



Geotechnisch advies:

Uitbreiding Zwembad Van der Hooplaan 239 te Amstelveen

Onderdeel:	Funderingsadvies/ Bouwputadvies
Projectnummer:	4381
Datum:	24-01-2023
Status:	Definitief
In opdracht van:	WSP

**Geotechnisch Adviesbureau
engineering en monitoring**

GRONDGRIP

De Giek 18
9206 AT Drachten
+31 (0) 513 460 699
www.grondgrip.nl
info@grondgrip.nl



Documentenbeheer

Documentgegevens

Projectnaam Uitbreiding Zwembad Van der Hooplaan 239 te Amstelveen
Onderdeel Funderingsadvies/ Bouwputadvies
Projectnummer 4381
Documentnummer 4381-FA-R01
Versienummer 1
Status Definitief
Datum 24-01-2023

Klantgegevens

Klant WSP Nederland B.V.
Adres Ringwade 41, 3439 LM Nieuwegein
Contactpersoon Dhr. H. Huurnink
Projectnummer

Versiebeheer

Versie	Doc nr	Datum	Status	Omschrijving	Opgesteld door	Controle door
1	4381-FA-R01	24-01-2023	Definitief	-	E. Sizoo	N. Brouwer

Op al onze werkzaamheden zijn de algemene leveringsvoorwaarden (ALV 2018) van de Vereniging Ondernemers Technisch Bodemonderzoek (V.O.T.B.), zoals gedeponeerd bij de Kamer van Koophandel Midden-Nederland te Utrecht onder nr. 40476246 en de rechtsverhouding opdrachtgever-architect, ingenieurs en adviseur DNR2011 van toepassing.



Inhoudsopgave

1	Inleiding	5
1.1	Algemeen	5
1.2	Normen en richtlijnen	5
1.3	Beschikbare gegevens	5
2	Projectinformatie	6
3	Grondonderzoek, terrein en bodemgesteldheid	8
3.1	Onderzoeksopzet	8
3.2	Terreinhoogte	9
3.3	Bodemopbouw	9
3.4	Water	9
3.5	Bodemopbouw en grondeigenschappen	9
4	Funderingsadvies	10
4.1	Funderingskeuze	10
4.1.1	Funderingstype	10
4.1.2	Keuze fundering	10
4.2	Paalfundering	11
4.2.1	Uitgangspunten	11
4.2.2	Resultaten drukdraagvermogen	12
4.2.3	Resultaten trekdraagvermogen alleenstaande palen	13
4.2.4	Resultaten trekdraagvermogen palen in paalgroep	13
5	Bouwputadvies	15
5.1	Algemeen	15
5.2	Uitgangspunten damwandberekeningen	15
5.2.1	Geometrie	15
5.2.2	(Grond)waterstand	15
5.2.3	Verkeer en werkbelasting	15
5.2.4	Fasering	15
5.2.5	Damwandprofielen	16
5.2.6	Berekeningsmethode en veiligheidsklasse	17
5.3	Resultaten en toetsing ongesteunde damwand	17
5.3.1	Resultaten damwandberekening	17
5.3.2	Toetsing vervormingen	18
5.4	Resultaten en toetsing gesteunde damwand	19
5.4.1	Resultaten damwandberekening	19
5.4.2	Toetsing vervormingen	20



6	Aanbevelingen voor de uitvoering	21
6.1	Paalfundering	21
6.1.1	Controle uitgangspunten	21
6.1.2	Werkterrein/bouwput	21
6.1.3	Palen nabij belending – invloed draagvermogen	21
6.2	Geboorde palen - Mortelschroef / avegaar palen / DPA palen / fundexpalen	21
6.2.1	Uitvoeringsnormen en richtlijnen	21
6.2.2	Ontspanning van de grond	21
6.2.3	Locatie t.o.v. andere palen – nieuwe palen naast elkaar	22
6.2.4	Controle paal integriteit	22
6.3	Heibegleiding / Paalinstallatie	22
6.4	Trillingen inbrengen en verwijderen damwand	23
7	Slotopmerking	23
Bijlage A	Samenvatting Netto Draagvermogen (Druk)	24
Bijlage B	Samenvatting Netto Draagvermogen (Trek)	79
Bijlage C	(Voorbeeld) berekening draagvermogen	134
Bijlage D	Detail uitvoer draagvermogen	138
Bijlage E	Grondonderzoek	351



1 Inleiding

1.1 Algemeen

Op 24 november 2022 ontving GrondGrip BV te Drachten via Koops Grondmechanica van WSP Nederland te Breda opdracht voor het opstellen van een geotechnisch advies voor het project Uitbreiding Zwembad Van der Hooplaan 239 te Amstelveen.

Dit rapport bevat het grondonderzoek en het geotechnisch advies, onderdelen fundering en bouwput ten behoeve van een voorlopig ontwerp. het uitgevoerde grondonderzoek is reeds eerder gerapporteerd. Separaat is een trillingspredictie voor het heien van prefab betonnen heipalen uitgewerkt (zie ons rapport 4381-01-TA-R01).

Dit rapport omvat de volgende onderdelen:

- ▶ een korte projectomschrijving
- ▶ een beschrijving van het geotechnisch onderzoek en de bodemgesteldheid
- ▶ het funderingsadvies en uitwerking van de fundering
- ▶ een bouwputadvies
- ▶ aanbevelingen voor de uitvoering
- ▶ slotopmerking

1.2 Normen en richtlijnen

Voor het opstellen van de adviesrapportage zijn de volgende normen en richtlijnen van toepassing geacht:

- [1.] NEN 9997-1+C2:2017, Geotechnisch ontwerp van Constructies – Deel 1: Algemene regels, november 2017
- [2.] CUR 166, Damwandconstructies 6^e Druk, 2012

1.3 Beschikbare gegevens

Het advies is opgesteld aan de hand van een grondonderzoek door Koops grondmechanica. Zie rapport:

- [3.] 'Grondonderzoek voor Uitbreiding Zwembad de Meerkamp aan de Van der Hooplaan 239 te Amstelveen', 5045, november 2022, Koops grondmechanica B.V.

De resultaten van het betreffende grondonderzoek zijn als bijlage toegevoegd (zie Bijlage E).

Overige door de opdrachtgever ter beschikking gestelde documenten:

- [4.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Palenplan' Voorlopig Ontwerp, DO-097, 16-12-2022, WSP Nederland.
- [5.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Palenplan Kelder' Voorlopig Ontwerp, DO-098, 16-12-2022, WSP Nederland.
- [6.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Begane grond' Voorlopig Ontwerp, DO-100, 16-12-2022, WSP Nederland.
- [7.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Doorsneden as 2 t/m 8 Voorlopig Ontwerp, DO-200, 16-12-2022, WSP Nederland.
- [8.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Doorsnede as 9 en gevel voorzijde as 10, 11, 12, 13' Voorlopig Ontwerp, DO-201, 16-12-2022, WSP Nederland.
- [9.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Doorsneden as C/J, F/M, O, R, W, B', D'' Voorlopig Ontwerp, DO-202, 16-12-2022, WSP Nederland.
- [10.] ' Nieuwbouw Zwembad de Meerkamp te Amstelveen – Gevel as 1, 7, NJ,, A-H, E' – D' Voorlopig Ontwerp, DO-203, 16-12-2022, WSP Nederland.
- [11.] 'Uitbreiding zwembad, Van der Hooplaan 239 te Amstelveen - Trillingspredictie', 4381-01-TA-R01, 30-11-2022, Grondgrip B.V.

GrondGrip staat niet in voor de juistheid en/of volledigheid van de door derden verstrekte informatie en gegevens.

2 Projectinformatie

De bouwlocatie is gelegen aan de van der Hooplaan 239 te Amstelveen. In onderstaande figuur, Figuur 1, is de projectlocatie met omliggende bebouwing opgenomen. Het plan betreft de uitbreiding van een zwembad. Het zwembad wordt uitgebreid met een ca 25x25m zwembad en een gebouw met kantoorruimte van ca 20m x 110m langs de zuid- en oostzijde van het bestaande complex.

Voor de fundering zijn in overleg met de opdrachtgever prefab heipalen in combinatie met trillingsvrije schroefinjectiepalen langs de bestaande bebouwing voorzien. Ook is als trillingsvrij alternatief een optie voor avegaarpalen in dit rapport uitgewerkt. Separaat is een trillingspredictie voor het heien van prefab betonnen heipalen uitgewerkt (zie ons rapport 4381-01-TA-R01).

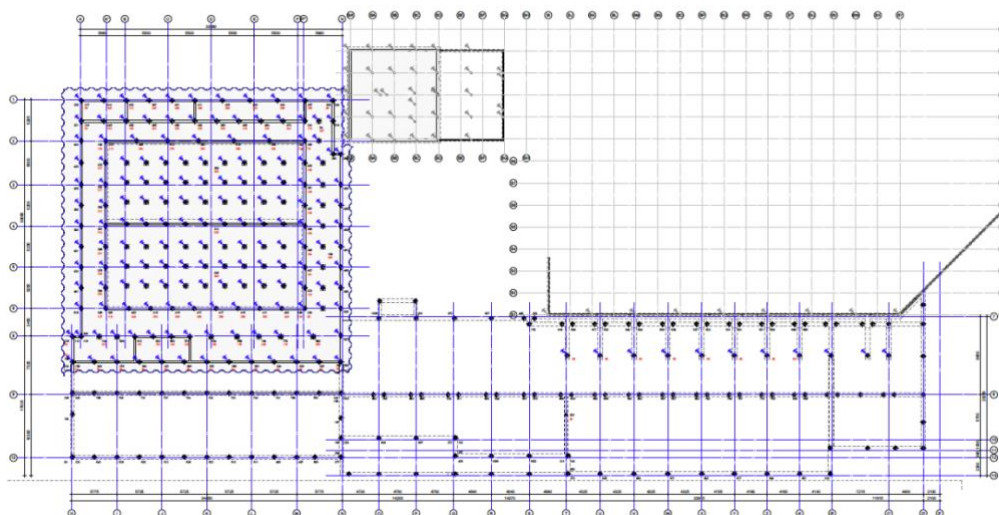
Voor de trekpalen is uitgegaan van een trekdraagvermogen van 250kN (rekenwaarde).

Voor zover bij ons bureau bekend is er geen sprake van aanbrengen van significante terreinophogingen.

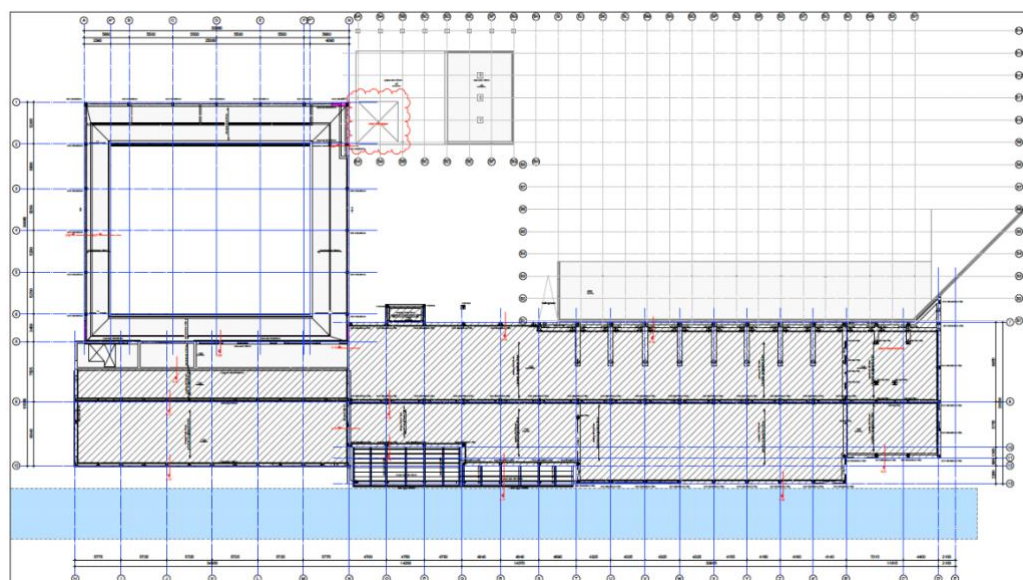
Een aantal tekeningen zijn aangeleverd inclusief de plattegronden, doorsneden en een definitief palenplan. Ter indicatie zijn palenplan, plattegrond en een doorsnede weergegeven in Figuur 2 t/m 4. Zie documenten [4.] t/m [10.]



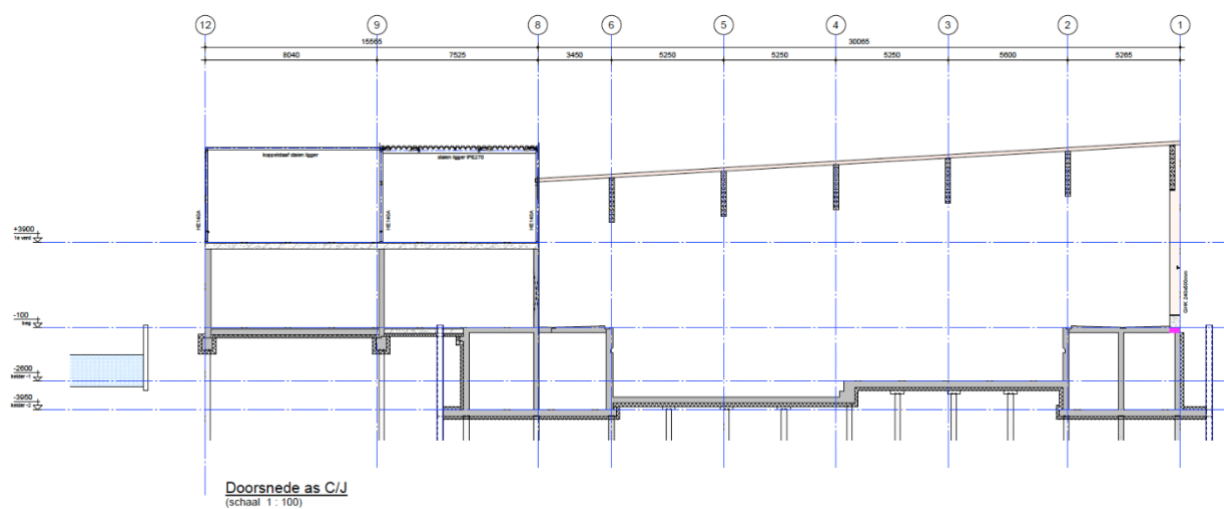
Figuur 1 Locatie nieuwbouw (bron: Google Maps)



Figuur 2 Palenplan - ter indicatie



Figuur 3 Plattegrond Begane Grond - ter indicatie

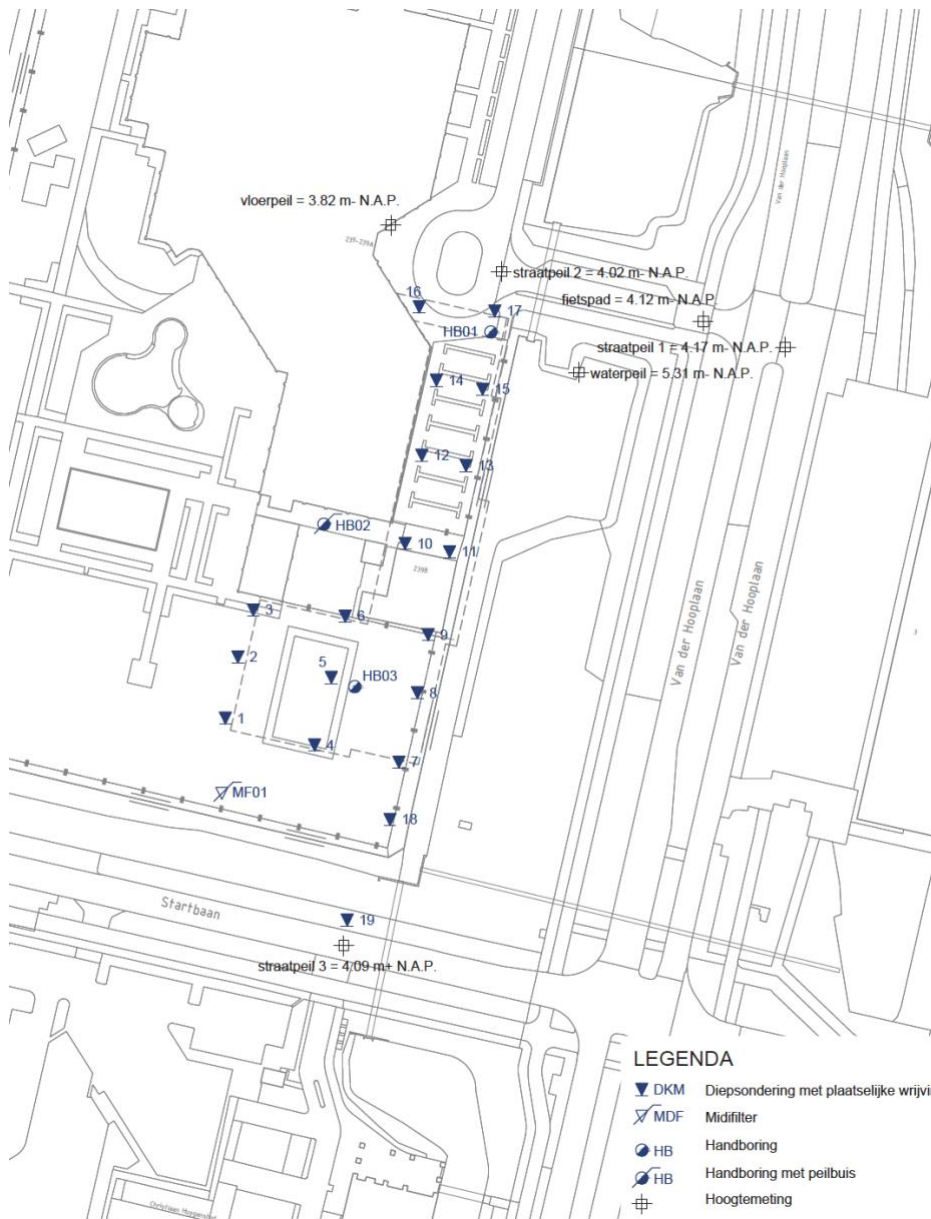


Figuur 4 Doorsnede - ter indicatie

3 Grondonderzoek, terrein en bodemgesteldheid

3.1 Onderzoekopzet

Het grondonderzoek is uitgevoerd in november 2022 volgens onderstaande plattegrond:



Figuur 5 Locatie nieuwbouw en sonderingen (bron: Geotechnisch onderzoek [3.])

De rapportage van het grondonderzoek is voor de volledigheid als bijlage toegevoegd aan dit rapport (zie Bijlage E).

De aard en omvang van het onderzoek voldoet aan 3.2.3 van NEN 9997-1 voor de toetsing van geotechnische constructies.



3.2 Terreinhoogte

De maaiveldhoogte ter plaatse van de onderzoekslocaties van het grondonderzoek [2.] varieerde tussen de N.A.P. -3,8m en N.A.P. -4,4m.

Tijdens het grondonderzoek is een straatpeil gemeten van rond de N.A.P. -4,1m en een vloerpeil van het bestaande zwembad van N.A.P. -3,8m.

3.3 Bodemopbouw

In onderstaande tabel is de aangetroffen bodemgesteldheid globaal omschreven:

Tabel 1 Globale bodemopbouw

Bovenkant laag [m t.o.v. NAP]			Grondsoort
Maaiveld			Zand, sterk siltig, plaatselijk zwak humeus
-4,5	á	-5,2	Klei, schoon, slap
-5,2	á	-6,7	Klei, zwak zandig, slap
-10,2	á	-10,9	Veen, matig
-11,0	á	-11,3	Zand, schoon, matig tot vast gepakt
Maximaal verkende diepte is N.A.P. -20,0 m			

3.4 Water

De actuele grondwaterstand is tijdens het grondonderzoek niet in de handboringen aangetroffen. In een nabijgelegen sloot is het waterpeil ingemeten op N.A.P. -5,3m

De grondwaterstand kan aan fluctuatie onderhevig zijn onder invloed van o.a. neerslag en verdamping, seizoensinvloeden, beheersmaatregelen, open waterstanden etc. In de berekeningen is een grondwaterstand rond de N.A.P. -5,4m gehanteerd.

3.5 Bodemopbouw en grondeigenschappen

In onderstaande tabel is de aangetroffen bodemgesteldheid globaal omschreven:

Tabel 2 Gehanteerde grondparameters

Grondsoort	b.k. laag	γ	γ_{sat}	φ'	c'	$k_{h,1}$	$k_{h,2}$	$k_{h,3}$
[-]	[m NAP]	[kN/m ³]	[kN/m ³]	[graden]	[kPa]	[kN/m ³]	[kN/m ³]	[kN/m ³]
Klei, sterk siltig, zwak humeus	-4,6	14	14	15	0	12000	6000	3000
Klei, zwak zandig, slap	-5,5	15	15	22,5	0	2000	800	500
Veen	-10,5	12	12	15	2,5	2000	800	500
Zand, schoon, vast	-11,5	19	21	35	0	40000	20000	10000
Zand, schoon matig	-15	18	20	32,5	0	12000	6000	3000
Hierin is: γ / γ_{sat} het volumiek gewicht van resp. vochtige grond en verzadigde grond; φ' de effectieve hoek van inwendige wrijving; c' de effectieve cohesie; s de schelpfactor; $k_{h,i}$ de lage horizontale beddingsconstanten, afhankelijk van de vervorming conform tabel 3.3 van CUR166								

4 Funderingsadvies

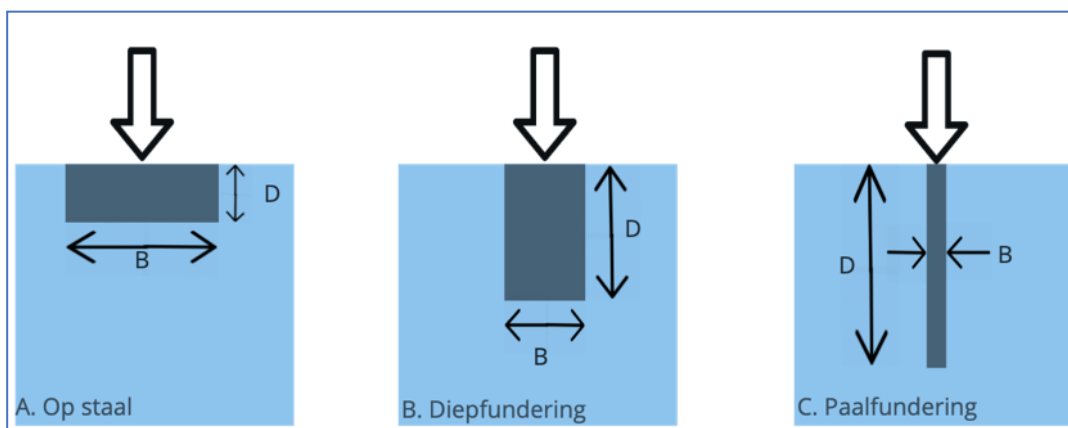
4.1 Funderingskeuze

4.1.1 Funderingstype

Er zijn 3 hoofdtypen fundering, te weten:

- A. fundering op staal; een ondiepe fundering op de vaste grond. Een fundering op staal is vaak goedkoper dan een fundering op palen, wanneer op geringe diepte goede, draagkrachtige bodemlagen aanwezig zijn. Bij samendrukbare bodem is het vaak niet goed mogelijk om een fundering op staal te realiseren, omdat de zettingen dan te groot zouden worden.
- B. diepfundering; tussenvorm palen en staal, met elementen met een diepte tussen circa 3 en $5 \times$ de breedte. Een diepfundering kan interessant zijn wanneer pas op een diepte van 2 tot 4 m een draagkrachtige bodemlaag aanwezig is en voor een normale fundering op staal te veel grondwerk zou zijn vereist.
- C. fundering op palen, bestaande uit elementen met een diepte $> 5 \times$ de breedte/diameter. Een fundering op palen wordt doorgaans toegepast in gebieden met slappe of heterogene bodem, bij uitbreiding van bestaande bebouwing (om zettingsverschillen te voorkomen) en/of bij zeer hoge funderingsbelastingen.

Een schematisch overzicht van de hoofdtypen is hieronder weergegeven.



Figuur 6 Soorten funderingen

4.1.2 Keuze fundering

Gezien de aangetroffen bodemgesteldheid, met over het algemeen weinig draagkrachtige en samendrukbare lagen in de eerste meters vanaf maaiveld, in combinatie met de aard van de bouwplannen met plaatselijk hoge puntlasten, komt voor dit project een fundering op palen in aanmerking. De bestaande bebouwing is reeds gefundeerd op palen.

Voor dit project is in eerste instantie uitgegaan van de toepassing van avegaarpaal. Dit in verband met de aanwezigheid van bestaande bebouwing en de aansluiting van de nieuw te realiseren kelders en funderingen met het bestaande zwembadgebouw. Bij gebruikmaken van het avegaar paaltype worden de trillingen tot een minimum beperkt. Wel dient rekening te worden gehouden met vrijkomende grond.

Naar wens van de opdrachtgever is ook een optie voor prefab betonpalen uitgewerkt. In combinatie met schroefinjectiepalen langs de rand van de bestaande bebouwing kan deze oplossing in ons inziens ook voldoen. Tevens is voor de prefab betonpalen een trillingspredictie uitgewerkt [6].

Ten aanzien van de paalkeuze dient het volgende te worden opgemerkt:



- ▶ De paalsysteemkeuze is gebaseerd op de voorhanden zijnde en verstrekte gegevens. Aanvullende milieukundige, archeologisch, geohydrologische, gemeentelijke of overige randvoorwaarden kunnen aanleiding geven tot wijziging van het paaltype.
- ▶ De keuze voor alternatieve paalsystemen is niet uitgesloten.

4.2 Paalfundering

4.2.1 Uitgangspunten

Het funderingsadvies is opgesteld op basis van NEN 9997-1+C2:2017. Deze norm bevat de NEN-EN 1997-1 (Eurocode 7 – Deel 1) en de nationale bijlage en laatste aanvullingen.

De gebruikte geotechnische uitgangspunten zijn als volgt samengevat:

- ▶ In het rapport worden de draagkracht en vervormingen bepaald van axiaal op druk belaste funderingselementen.
- ▶ Voor dit project is uitgegaan van een niet-stijf bouwwerk, waarbij de constructie geplaatst is in veiligheidsklasse RC2 en geotechnische categorie 2.
- ▶ Paalklasse factoren;

Tabel 3 Paalklassefactoren

Paaltype	α_p	α_s	α_t	β	S	L/Z
Avegaarpaal / mortelschroefpaal	0,56	0,006	0,0045	1,0	1,0	2
Prefab betonpalen	0,7	0,010	0,0070	1,0	1,0	1
Schroefinjectie palen	0,63	0,009	0,0090	1,0	1,0	1
α_p	= paalklassefactor voor de berekening van de draagkracht van de paalpunt					
β	= factor die de invloed van de paalvoetvorm in rekening brengt					
S	= factor die de invloed van de vorm van de dwarsdoorsnede van de paalvoet in rekening brengt					
α_s	= factor die de invloed van het paaltype op de schachtwrijving in rekening brengt					

- ▶ Partiële en correlatie factoren

Tabel 4 Partiële veiligheids- en correlatie factoren

$\xi_{3/4}$	=	Correlatiefactor voor de bepaling van karakteristieke waarden uit de resultaten van grondproeven. (Bepaald volgens NEN 9997-1, Tabel A.10a, uitgaande van aantal sonderingen $N=1$ en niet stijf). Vooralsnog is geen controle op de variatie uitgevoerd, en is een eventueel mogelijke optimalisatie bij variatie < 12% nog niet toegepast.	=	1,39
γ_t	=	Partiële weerstandsfactor op de totale weerstand voor op druk belaste palen	=	1,20
$\gamma_{s,t}$	=	Partiële weerstandsfactor op de totale weerstand voor op trek belaste palen	=	1,35
$\gamma_{m,var;q,c}$	=	Partiële weerstandsfactor op de totale weerstand voor op trek belaste palen bij wisselende belasting	=	1,50

- ▶ Voor klei-, leem/silt of veenlagen wordt, cf. NEN 9997-1 art. 7.6.1.1, door ons bureau schachtwrijving buiten beschouwing gelaten.
- ▶ Er is geen rekening gehouden met een toegenomen grondspanning t.g.v. een ophoging.
- ▶ Voor de sonderingen met betrekking tot de kelder is rekening gehouden met een reductie t.g.v. ontgraving.
- ▶ Er is uitgegaan van alleenstaande palen. Groepswerking is buiten beschouwing gelaten.
- ▶ Er is rekening gehouden met negatieve kleef tot een niveau van N.A.P. -10,5 m.
- ▶ Positieve kleef is gerekend in de draagkrachtige lagen.

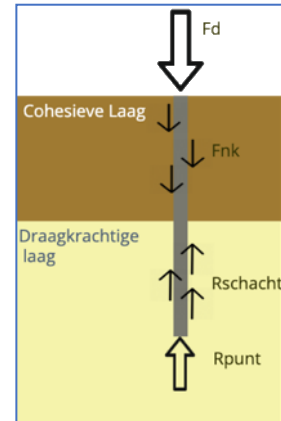
- Voor wat betreft de in rekening te brengen paaldiameter voor bepaling van het schachtdraagvermogen, is voor de palen met groutinjectie (type Tubex en Fundex o.g.), conform COBc gerekend met de gemiddelde buitendiameter van de boorbuis en de voetdiameter.

4.2.2 Resultaten drukdraagvermogen

Aan de hand van de berekende punt- en schachtweerstand is de maximale draagkracht $[R_{c;d}]$ bepaald. Vervolgens is de netto draagkracht $R_{c;net;d}$ bepaald door de maximale draagkracht $[R_{c;d}]$ te verminderen met de negatieve kleef welke zich kan ontwikkelen langs de paalschacht. Deze extra paalbelasting ($F_{s,nk;d}$) treedt op naast de constructiebelastingen ($F_{c;d}$).

In de volgende tabel staat per sondeerpunt, paal (schacht) afmeting en paalpuntniveau de maximale rekenwaarde van de grond mechanische draagkracht aangegeven. De in de tabel genoemde rekenwaarden zijn opgebouwd uit de punt- en schachtweerstand en verminderd met de negatieve kleefbelasting.

De aangehouden rekenmethode is alleen geldig voor palen met een minimale lengte van 8 maal de paaldiameter.



Figuur 7 Drukdraagvermogen

De genoemde draagkrachten (druk) gelden voor verticaal en centrisc op druk belaste palen. Opgemerkt dient te worden dat de palen niet zijn gecontroleerd op de slankheid en de maximale (beton) spanning in de paalschacht.

Voor dit rapport zijn de draagvermogens van drie paaltypes uitgerekend van verschillende diameters en voor zowel de ontgraven en niet-ontgraven situatie. De berekende paaltypes en diameters staan weergegeven in Tabel 5.

Tabel 5 Berekende paaltypes en paaldiameters

Paaltype	Berekende Paaldiameters (mm)
Prefab betonpaal	250 x 250
	290 x 290
	320 x 320
	350 x 350
	380 x 380
	400 x 400
Schroefinjectiepalen	350
	400
	450
	500
Avegaarpalen	350
	400
	450
	500
	550

Uit de berekeningen blijkt dat met een paalpuntniveau van N.A.P. -21m er een draagvermogen behaald kan worden van rond de 880 kN – 1.150 kN, voor een paaldiameter van 250x250mm. Met grotere diameters tot 400x400mm is een draagvermogen te behalen tot rond de 1.400 kN – 2.200 kN.

Bij de kelder is minder draagvermogen haalbaar door de ontgraving. Voor de ontgraven situatie is met een paalpuntniveau van N.A.P. -21m een draagvermogen haalbaar rond de 700kN – 1.100kN en voor de grotere diameters rond de 1.300kN - 2.000kN.

Voor schroefinjectiepalen met een diameter van 450mm kan een paaldrukvermogen van 650 – 1.100 kN behaald worden voor een paalpuntniveau van N.A.P. -16m en van 1140 – 1.950 kN voor een paalpuntniveau van N.A.P. -22m. Voor de ontgraven situatie is met een diameter van 450mm een paaldrukvermogen haalbaar van 570 – 1.015 kN voor een paalpuntniveau van N.A.P. -16m en van 1.025 – 1.850 kN voor een paalpuntniveau van N.A.P. -22m.

In Bijlage A is een overzicht met netto draagvermogens weergegeven per paaltype, paalpuntniveau en paaldiameter. Tevens is een lijst netto draagvermogens toegevoegd voor de ontgraven situatie.

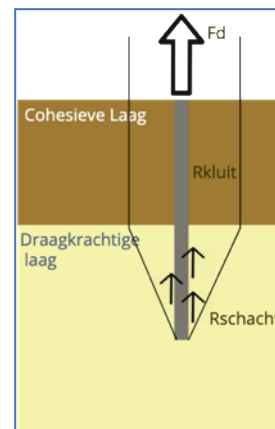
In Bijlage C en Bijlage D zijn een voorbeeldberekening en uitgebreide samenvattingstabellen opgenomen

4.2.3 Resultaten trekdraagvermogen alleenstaande palen

Bij het bepalen van het trekdraagvermogen van de palen is uitgegaan van de mobiliseerbare schacht wrijving in de draagkrachtige lagen. Tevens is rekening gehouden met het kluitcriterium wat inhoudt dat het mobiliseerbare gewicht aan grondmassa is bepaald. In beide situaties is het eigengewicht geschat en verdisconteerd in de berekening. Een eventuele negatieve kleeft zone is niet meegenomen in de schachtwrijving. Let wel deze rekenmethode is conform de norm alleen geldig voor trekpalen langer dan 8x de paaldiameter.

De genoemde draagvermogens gelden voor alleenstaande wisselend op trek belaste palen en kunnen alleen worden opgenomen indien de palen over de volledige lengte van voldoende wapening zijn voorzien.

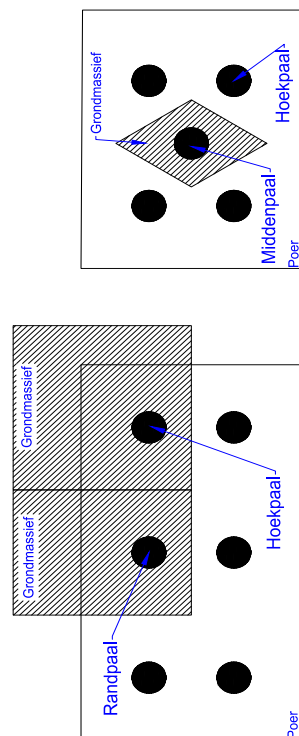
In bijlage B is een overzicht met netto trekvermogens weergegeven per paaltype, paalpuntniveau en paaldiameter.



Figuur 8 Trekdraagvermogen

4.2.4 Resultaten trekdraagvermogen palen in paalgroep

Bij het bepalen van het trekdraagvermogen $R_{t,d}$ van palen in een paalgroep wordt onderscheid gemaakt in middenpalen, randpalen en hoekpalen (zie figuur 9). Voor middenpalen is over het algemeen de massa van het grondmassief dat rondom de palen aanwezig is maatgevend voor de opneembare trekkracht. Voor randpalen en hoekpalen wordt geïnterpoleerd tussen middenpalen en alleenstaande palen.



Figuur 9 Principeschets rand-, hoek- en middenpalen

Op basis van het beschikbaar gestelde palenplan en informatie is in onderhavige rapportage uitgegaan van een raster van 2.5m x 2.5m. Voor deze hart op hart afstand is de maatgevende situatie waarbij het minimale kluitgewicht beschikbaar is per paal doorgerekend. Hiervoor is aangenomen een middenpaal met een paaldiameter van 400x400mm. De berekeningen hebben aangetoond dat er voor de maatgevende situatie voldoende conusweerstand en kluitgewicht is voor een trekdraagvermogen van 250kN per paal indien een paalpuntniveau op N.A.P. -23m aangehouden wordt. Kleinere paaldiameters en hoek en randpalen voldoen hierbij ook aan voldoende trekdraagvermogen zoals berekend voor alleenstaande palen.

Opgemerkt wordt dat het trekdraagvermogen per paal lager kan worden naarmate een dichter stramien wordt toegepast.

5 Bouwputadvies

5.1 Algemeen

Ten behoeve van de bouw van de kelder, zal een bouwput moeten worden gerealiseerd. De bouwkuip wordt gerealiseerd als gesloten bouwkuip om invloed op de omgeving te beperken.

De maatgevende situatie voor de stabiliteitsanalyse (taluds en damwanden) van de bouwput is in de berekeningen beschouwd, waarbij twee situaties aangenomen zijn:

- ▶ Situatie 1: een maaiveldniveau van circa N.A.P. -4,0 m en een maximaal benodigd ontgravingsniveau van ongeveer N.A.P. -8,36m
- ▶ Situatie 2: een maaiveldniveau van circa N.A.P. -4,0 m en een maximaal benodigd ontgravingsniveau van ongeveer N.A.P. -7,66m.

5.2 Uitgangspunten damwandberekeningen

5.2.1 Geometrie

Voor de advisering is uitgegaan van de volgende punten:

- ▶ Gehanteerd maaiveldniveau: N.A.P. -4,00 m
- ▶ Ontgravingsniveau N.A.P. -8,23m
- ▶ Onderkant waterglasinjectie op N.A.P. -16,0 m
- ▶ Niveau stempeling/verankering N.A.P. -5,4 m

5.2.2 (Grond)waterstand

- ▶ Niveau grondwaterstand: gem. circa N.A.P. -5,4 m
- ▶ Niveau grondwater tijdens bemaling, 0,5m onder ontgravingsniveau: N.A.P. -8,73

5.2.3 Verkeer en werkbelasting

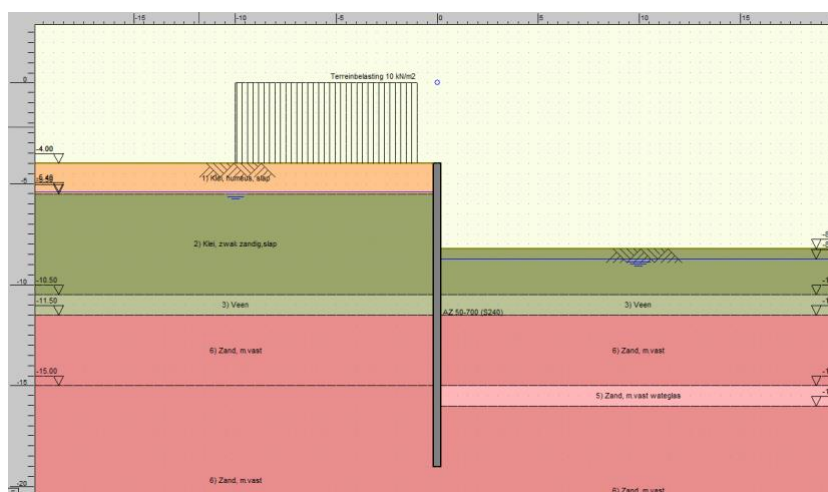
Tijdens de bouw wordt conform CUR 166 gerekend met een gelijkmatig verdeelde terreinbelasting van 10 kN/m². Vooralsnog is gerekend met een belasting van 10 kN/m², over een breedte van 10m. Dit omdat exacte gegevens betreffende de optredende belastingen uit de belendingen ten tijde van voorliggend rapport bij ons bureau niet bekend zijn.

5.2.4 Fasering

Voor de berekening van de damwand is de volgende fasering gehanteerd:

- ▶ Ontgraven tot een niveau van N.A.P.- 8,23m, bij een gelijktijdige verlaging van de grondwaterstand tot N.A.P. -8,73m met een reguliere belasting van 10 kN/m²

Voor een schematisatie van maatgevende fase, zie onderstaande figuren.

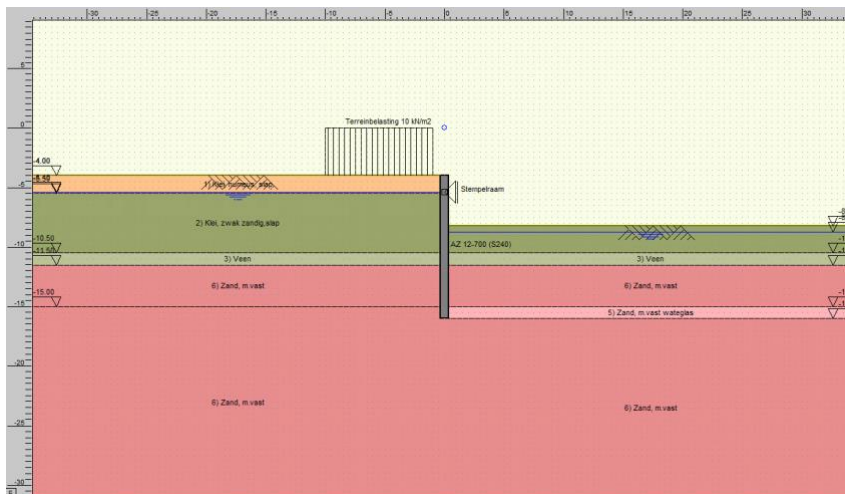


Figuur 10 Schematisatie maatgevende fase (ongesteund)

Voor de gesteunde opties zijn de volgende fases toegevoegd alvorens de bovenstaande fases uit te voeren:

- Ontgraven tot een niveau van N.A.P. -5,4m
- Aanbrengen stempel

Voor een schematisatie van de maatgevende fase, zie.



Figuur 11 Schematisatie maatgevende fase (gesteund,1b)

5.2.5 Damwandprofielen

Ten behoeve van de te realiseren damwandconstructie is op verzoek van de opdrachtgever voor de beschouwde doorsneden in eerste instantie uitgegaan van een stalen damwand van het type AZ 52-700. In de volgende tabel zijn de eigenschappen van het beschouwde damwandprofiel aangegeven. Andere profieltypen met minimaal gelijkwaardige buigstijfheids- en sterkte-eigenschappen kunnen ook worden toegepast.

Tabel 6 Eigenschappen van het beschouwde damwandprofiel

Grootheid	Eenheid	AZ50-700N	AZ12-700
I traagheidsmoment	[cm ⁴ /m ¹]	124.890	18.880
W weerstandsmoment	[cm ³ /m ¹]	4955	1205
E elasticiteitsmodulus	[kN/mm ²]	240	240
EI buigstijfheid	[kNm ² /m ¹]	262.296	39.648
Gewicht	[kg/m ²]	237	97
R _{M,max,d} opneembaar moment	[kNm/m ¹]	1189	289

* Staalkwaliteit S 240 GP

Aangezien de damwand slechts als tijdelijke constructie dient is geen rekening gehouden met een reductie t.g.v. corrosie.



5.2.6 Berekeningsmethode en veiligheidsklasse

De berekeningen zijn uitgevoerd met een eendimensionaal eindig-elementenprogramma op basis van elasto-plastisch grondgedrag (D-Sheet Piling 22.1).

De damwanden zijn doorgerekend voor de constructieve veiligheid (grenstoestand GEO). De representatieve grondparameters en de werkelijke situaties zijn hierbij omgerekend naar rekenwaarden. De damwand wordt vooralsnog ingedeeld in betrouwbaarheidsklasse RC1 (CUR veiligheidsklasse I).

Voor de partiële veiligheidsfactoren (γ) en additionele veiligheidsmarges (Δ), betrokken op de representatieve waarden X_{rep} wordt verwezen naar onderstaande tabel. Deze waarden worden door D-Sheet Piling zelf in de geometrie verwerkt.

Tabel 7 Veiligheidsfactoren conform NEN 9997-1

Parameter	Betrouwbaarheidsklasse RC1	
	γ	Δ
Hoek van inwendige wrijving ϕ'	1,15	-
Cohesie c'	1,15	-
Kerende hoogte h	10%	$\leq 0,50$ m
Verhoging grondwaterstand hoge zijde	-	+ 0,05 m
Verlaging grondwaterstand lage zijde	-	- 0,20 m
Beddingconstante	1,30	-

5.3 Resultaten en toetsing ongesteunde damwand

5.3.1 Resultaten damwandberekening

In de volgende tabel zijn de resultaten van de damwandberekening weergegeven.

Tabel 8 Resultaten damwandberekeningen

		Situatie 1a
Damwandprofiel		AZ52-700
Boven- / onderzijde damwand	m N.A.P.	-4,0/-19,0
Kerende hoogte (max)	m	4,23
Lengte damwand	m	23,0
Opneembaar moment	kNm/m ¹	1189
Buigend moment $M_{s;d}$	kNm/m ¹	1091
Hor doorbuiging u_{hor}	mm	153
Gemob. Weerstand	%	68.5
Stabiliteit-factor	--	2,53
Toets sterkte $M_{s;d} / M_{r;d}$	--	0,92
Voldoet $\leq 1,0$	ja / nee	ja

Hierin is:

- Gemob. Weerstand de maximale gemobiliseerde weerstand van het passieve grondmassief
- Stabiliteitsfactor kleinste klassefactor voor de totale stabiliteit volgens methode Bishop ($\geq 1,0$)

De berekende momenten zijn kleiner dan de maximaal op te nemen buigende momenten van de damwandtypen. Het beoogde damwandtype is derhalve voldoende sterk.



5.3.2 Toetsing vervormingen

Ten behoeve van de bouwput liggen de maximaal te verwachten horizontale vervormingen van de damwand in een ordegrootte van 153mm voor de ongesteunde situatie met belastingen van 10kN/m² voor de twee kerende hoogtes.

Indien de omgeving geen rol speelt wordt voor de maximale vervormingen vaak de volgende vuistregel aangehouden:

Maximale vervorming $\leq 1/50 \cdot$ kerende hoogte (maximaal 100 mm) = 85 mm voor een tijdelijke damwand.

Uitgaande van een kerende hoogte van 4,23 m (van maaiveld tot N.A.P. -8,23 m), is de theoretisch berekende optredende vervorming (165 mm) hierbij groter dan de indicatief aan te houden waarde voor de aan te houden maximale vervorming (87mm). Een zwaarder en langere damwand profiel kan de optredende vervorming nog iets verder verminderen, echter de winst is gering en zal niet onder de indicatief aan te houden waarden komen.

Als gevolg van de vervorming (uitbuiging) van de damwand ontstaat een zakkingstrog achter de damwand. De ordegrootte van deze zakkingstrog bedraagt over het algemeen zo'n 0,5 tot 1,5 maal de horizontale vervorming. De zakkingstrog strekt zich uit tot een afstand van ongeveer 0,5 à 2 maal de kerende hoogte. Indien gewenst kan door middel van een Eindige Elementen berekening (Plaxis) meer inzicht worden verkregen in de optredende vervormingen in de omgeving en de invloed van de realisatie van de bouwkuip op de omgeving.

Teneinde horizontale uitbuiging van de damwand en daarmee gepaard gaande vervormingen van het grondmassief te beperken is ons advies om een gesteunde damwand toe te passen. Bijkomend voordeel is dan dat de benodigde damwandlengte over het algemeen eveneens sterk kan worden gereduceerd. In de volgende paragraaf is de situatie van een gesteunde damwand uitgewerkt.



5.4 Resultaten en toetsing gesteunde damwand

5.4.1 Resultaten damwandberekening

Gezien de ongesteunde damwand oplossing een stevig en lang damwand profiel vereist en daarbij nog relatief veel vervorming geeft, zijn in de onderstaande tabel de resultaten van een optie van een gesteunde damwand gegeven.

Tabel 9 Resultaten damwandberekeningen – gesteund

		Situatie 1b
Damwandprofiel		AZ12-700
Boven- / onderzijde damwand	m N.A.P.	-4,0/-16,0
Kerende hoogte (max)	m	4,23
Lengte damwand	m	12,0
Opneembaar moment	kNm/m ¹	289
Buigend moment M _{s;d}	kNm/m ¹	212
Hor doorbuiging u _{hor}	mm	32.7
Gemob. Weerstand	%	57.2
Kracht steunpunt	kN	129
Stabiliteit-factor	--	1,79
Toets sterkte M _{s;d} / M _{r;d}	--	0,73
Voldoet ≤ 1,0	ja / nee	ja

Hierin is:

- Gemob. Weerstand: de maximale gemobiliseerde weerstand van het passieve grondmassief
- Stabiliteitsfactor: kleinste klassefactor voor de totale stabiliteit volgens methode Bishop ($\geq 1,0$)

De berekende momenten zijn kleiner dan de maximaal op te nemen buigende momenten van de damwandtypen. Het beoogde damwandtype is derhalve voldoende sterk.



5.4.2 Toetsing vervormingen

Ten behoeve van de bouwput liggen de maximaal te verwachten horizontale vervormingen van de damwand in een ordegrootte van 30 mm voor de situatie met een stempeling.

Indien de omgeving geen rol speelt wordt voor de maximale vervormingen vaak de volgende vuistregel aangehouden:

Maximale vervorming $\leq 1/50 \cdot$ kerende hoogte (maximaal 100 mm) = 85mm mm voor een tijdelijke damwand.

Uitgaande van een kerende hoogte van 4,23m, is de theoretisch berekende optredende vervorming (33mm) hierbij kleiner dan de indicatief aan te houden waarde voor de aan te houden maximale vervorming (85mm). Door de opdrachtgever dient te worden nagegaan of deze verplaatsingen acceptabel zijn.

Als gevolg van de vervorming (uitbuiging) van de damwand ontstaat een zakkingstrog achter de damwand. De ordegrootte van deze zakkingstrog bedraagt over het algemeen zo'n 0,5 tot 1,5 maal de horizontale vervorming. De zakkingstrog strekt zich uit tot een afstand van ongeveer 0,5 à 2 maal de kerende hoogte. Indien gewenst kan door middel van een Eindige Elementen berekening (Plaxis) meer inzicht worden verkregen in de optredende vervormingen in de omgeving en de invloed van de realisatie van de bouwkuip op de omgeving.

Uit bovenstaande berekeningen blijkt dat de horizontale uitbuiging van de damwand en de daarmee gepaard gaande vervormingen van het grondmassief aanzienlijk gereduceerd kunnen worden door het toepassen van stempeling aan de damwand. Bovendien is met een gesteunde damwand de benodigde damwandlengte eveneens gereduceerd met 3m en is een aanzienlijk lichter damwand profiel mogelijk. Op basis van deze berekeningen is een gesteunde damwand ons advies.



6 Aanbevelingen voor de uitvoering

6.1 Paalfundering

6.1.1 Controle uitgangspunten

Voorafgaand aan de uitvoering moet worden gecontroleerd:

- ▶ de relatie tussen: maaiveldhoogte, werkhoogte, bouwpeil t.o.v. Ref/NAP,
- ▶ diameter avegaar en te realiseren paallengte in relatie tot grondonderzoek en funderingsadvies,
- ▶ overige relevante uitgangspunten geotechnische rapportages.

6.1.2 Werkterrein/bouwput

Het werkterrein dient dermate droog en stabiel te zijn dat verantwoord kan worden gewerkt. Voorkomen moet worden dat eenmaal gemaakte palen beschadigen doordat deze horizontaal worden belast door bijvoorbeeld het manoeuvreren van materieel of door graafwerk rond de paal. Dit geldt vooral bij gedeeltelijk gewapende palen. Let op: in beginsel dienen de palen gemaakt te worden vanaf een zodanig werkniveau dat er geen potentiaalsprong is tussen de freatische grondwaterspiegel en de stijghoogte van het grondwater in dieper gelegen watervoerende lagen (hydrostatisch verloop vanaf het werkniveau). De ondergrond dient vrij te zijn van obstakels en verstoringen die van invloed kunnen zijn op de uiteindelijke paalkwaliteit. De ligging van kabels en leidingen dient in beeld te zijn gebracht.

Hieronder staan enkele aandachtspunten t.a.v. de uitvoering van de geadviseerde paaltype (n). Onder meer wordt ingegaan op het belang van de uitvoering en controle van de paalkwaliteit. Geadviseerd wordt hiervan kennis te nemen.

6.1.3 Palen nabij belending – invloed draagvermogen

Bij een belending op palen is het wenselijk om een zekere afstand aan te houden tussen de palen onder de nieuwbouw en de belending. Voor wat betreft de minimaal te hanteren afstand zijn geen landelijke normen of officiële richtlijnen voorhanden. Mocht een minimaal te hanteren afstand van belang zijn dan kunnen in overleg met ons bureau project specifieke richtlijnen opgesteld worden.

6.2 Geboorde palen - Mortelschroef / avegaar palen / DPA palen /fundexpalen

Uitvoering dient bij voorkeur te geschieden door een gerenommeerd bedrijf.

6.2.1 Uitvoeringsnormen en richtlijnen

- ▶ NEN-EN 1536:2010 en “Uitvoering van bijzonder geotechnisch werk – Boorpalen”
- ▶ NVN 6724 “in de grond gevormde funderingselementen van beton of mortel”,
- ▶ BRL-2356/01, bijlage A/B “in de grond gevormde palen-avegaarpalen/buisschroefpalen”,
- ▶ CUR-aanbeveling 109 “akoestisch doormeten van betonnen funderingspalen”,
- ▶ CUR 2004-1 “beoordelingssysteem voor de begaanbaarheid van bouwterreinen”
- ▶ CUR-aanbeveling 114 “toezicht op de realisatie van paalfunderingen”.

Verder kunnen gemeenten aanvullende en/of afwijkende eisen stellen ten aanzien van het ontwerp en de uitvoering van avegaarpalen.

6.2.2 Ontspanning van de grond

Door het aanbrengen van deze palen kan bij een ontspanning van de grond ontstaan. Indien er naastgelegen fundering op staal aanwezig zijn kan dit invloed hebben op het draagvermogen van de naastgelegen fundering.



6.2.3 Locatie t.o.v. andere palen – nieuwe palen naast elkaar

Wanneer twee palen onmiddellijk na elkaar worden vervaardigd, moet de onderlinge h.o.h. afstand tenminste viermaal de paaldiameter bedragen, met een minimum van 2 meter. Een kleinere afstand is toegestaan, indien de tijd tussen het maken van de eerste en de tweede paal zodanig lang is dat de eerst gemaakte paal voldoende is verhard (minstens 4 uur). Tijdens de uitvoering van de palen moet het niveau van de specie in de reeds gemaakte naburige paal worden gecontroleerd. Wanneer er nazakking of oppersing wordt geconstateerd, moet een andere uitvoeringsvolgorde of een langere verhardingstijd worden gekozen. De paal waarbij oppersing of nazakking is geconstateerd moet, indien geen vervangende paal wordt gemaakt, na verharding worden gecontroleerd.

6.2.4 Controle paal integriteit

Door middel van akoestisch doormeten dient de integriteit van palen te worden beoordeeld. Deze metingen kunnen desgewenst door ons bureau worden uitgevoerd vanaf 5 dagen na productie. De meetgegevens geven informatie over o.a. discontinuïteiten, zoals scheuren, insnoeringen en uitstulpingen, over de lengte van de paal en over de kwaliteit van de paalkop. Aan palen waarbij tijdens de uitvoering bijzonderheden werden geconstateerd dient tijdens de kwaliteitscontrole extra aandacht te worden besteed. Visuele controle van de paalkop kan plaatsvinden door deze vrij te graven. Hiervoor dient de paal wel voldoende te zijn gewapend. Indien twijfel bestaat ten aanzien van het draagvermogen van een paal kan afhankelijk van de situatie worden nagesondeerd binnen 1,0 m van de paal, of kan een paal worden proefbelast.

6.3 Heibegleiding / Paalinstallatie

Gezien de variabele bodemgesteldheid en het belang van een betrouwbare fundering voor het bouwwerk is deskundig toezicht tijdens de uitvoering van het heiwerk / het installeren van de palen noodzakelijk. Voor wat betreft de taken en verantwoordelijkheden van de toezichthouder wordt verwezen naar CUR aanbeveling 114 (Toezicht op de realisatie van paalfunderingen, 2009).

Heibegleiding betekent controle en vastleggen van de gegevens elke paal:

- ▶ Paalnummer en paal positie.
- ▶ Afhei-hoogte.
- ▶ Paaldimensies.
- ▶ Bereikte puntniveau.
- ▶ Type heihamer toegepaste valhoogte.
- ▶ Aantal slagen van de heihamer per minuut.

De rapportage van de heibegleiding geeft dan duidelijke informatie voor de constructeur, adviseur geotechniek en bouw- en woningtoezicht.



6.4 Trillingen inbrengen en verwijderen damwand

Gezien de relatief korte afstand tot de bestaande bebouwing (sporthal), dient bij het trillend en/of heidend inbrengen of verwijderen van de damwand, rekening te worden gehouden met overschrijding van trillingsrichtlijnen. Wij achten het dan ook wenselijk om de damwanden trillingsvrij (drukken) aan te brengen.

Indien de damwanden trillend op diepte worden gebracht, zullen trillingen in de ondergrond worden veroorzaakt. De optredende trillingen kunnen tevens resulteren in een verdichting c.q. herschikking van losgepakte zanden met een zakking van het maaiveld inclusief eventuele belendingen, leidingen en/of bestrating als gevolg.

Het Handboek Ondergronds Bouwen (COB) geeft aan dat binnen een afstand van 6 meter van een paalfundering de voorkeur uitgaat naar heidend inbrengen (i.p.v. intrillen). Bij een afstand van 6 tot 10 meter tot de paalfundering zal tijdens het intrillen een voortdurende controle van de trillingsniveaus plaats moeten vinden. Door de trillingsniveaus tijdens het heidewerk te registreren kan een uitspraak worden gedaan over deze kans op schade aan bouwwerken (evenals inzicht in de hinder voor personen in gebouwen en schade aan apparatuur). Desgewenst kunnen dergelijke metingen door ons bureau worden uitgevoerd.

Het verwijderen van de damwandplanken zal eveneens trillingen veroorzaken in de ondergrond. Deze trillingen treden vooral op voor het in beweging komen van de damwandplank, ten gevolge van zand in de damwandsloten. De trillingen bij het verwijderen kunnen worden gereduceerd door de damwanden bij het aanbrengen te voorzien van slotsmering.

7 Slotopmerking

Indien in de loop van het project veranderingen optreden in het beschreven bouwplan of in de in dit advies gehanteerde uitgangspunten verzoeken wij u contact met ons bureau op te nemen, zodat wij ons rapport hierop kunnen toetsen.

Bijlage A Samenvatting Netto Draagvermogen (Druk)

A1 Prefab betonpalen

Technosoft Paalfunderingen release 6.71a
29 nov 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

Technosoft Paalfunderingen release 6.71a 4 jan 2023

OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Rc; netto; d	
	niveau	niveau	250p	250p o
1	-4.24	-12.50	287	
		-13.00	348	
		-13.50	374	
		-14.00	418	
		-14.50	434	
		-15.00	412	
		-15.50	432	
		-16.00	451	
		-16.50	512	
		-17.00	576	
		-17.50	701	
		-18.00	680	
		-18.50	695	
		-19.00	732	
		-19.50	756	
		-20.00	839	
		-20.50	865	
		-21.00	1056	
		-21.50	1124	
2	-4.31	-22.00	1241	
		-22.50	1318	
		-12.50	242	
		-13.00	279	
		-13.50	314	
		-14.00	333	
		-14.50	359	
		-15.00	385	
		-15.50	433	
		-16.00	446	
		-16.50	471	
		-17.00	495	
		-17.50	567	
		-18.00	593	
		-18.50	658	
		-19.00	701	
		-19.50	748	
		-20.00	759	
		-20.50	804	
		-21.00	993	
		-21.50	1150	
		-22.00	1151	
		-22.50	1217	





Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
3	-4.03	-12.50	312	
		-13.00	341	
		-13.50	351	
		-14.00	358	
		-14.50	379	
		-15.00	401	
		-15.50	424	
		-16.00	450	
		-16.50	471	
		-17.00	508	
		-17.50	625	
		-18.00	641	
		-18.50	647	
		-19.00	633	
		-19.50	651	
		-20.00	666	
		-20.50	798	
		-21.00	1010	
		-21.50	1052	
4	-4.21	-22.00	1120	
		-22.50	1180	
		-12.50	262	
		-13.00	324	
		-13.50	388	
		-14.00	465	
		-14.50	504	
		-15.00	542	
		-15.50	572	
		-16.00	642	
		-16.50	639	
		-17.00	644	
		-17.50	650	
5	-4.10	-18.00	644	
		-18.50	658	
		-19.00	744	
		-19.50	806	
		-20.00	851	
		-20.50	1030	
		-21.00	1158	
		-21.50	1145	
		-22.00	1175	
		-22.50	1226	
		-12.50	296	
		-13.00	373	
		-13.50	358	
		-14.00	355	
		-14.50	376	
		-15.00	399	
		-15.50	467	
		-16.00	500	
		-16.50	519	
		-17.00	591	
		-17.50	596	
		-18.00	607	
		-18.50	631	
		-19.00	655	
		-19.50	685	
		-20.00	763	
		-20.50	866	
		-21.00	1132	
		-21.50	1192	
		-22.00	1237	
		-22.50	1282	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o

6	-4.28	-12.50	290
		-13.00	334
		-13.50	346
		-14.00	354
		-14.50	375
		-15.00	408
		-15.50	491
		-16.00	489
		-16.50	518
		-17.00	539
		-17.50	592
		-18.00	644
		-18.50	700
		-19.00	774
		-19.50	826
		-20.00	1013
		-20.50	1082
7	-4.33	-21.00	1163
		-21.50	1239
		-22.00	1278
		-22.50	1309
		-12.50	290
		-13.00	367
		-13.50	426
		-14.00	441
		-14.50	443
		-15.00	470
		-15.50	487
8	-4.35	-16.00	495
		-16.50	490
		-17.00	516
		-17.50	529
		-18.00	572
		-18.50	596
		-19.00	614
		-19.50	759
		-20.00	773
		-20.50	793
		-21.00	928
		-21.50	1083
		-22.00	1212
		-22.50	1284
		-12.50	249
		-13.00	307
		-13.50	321
		-14.00	325
		-14.50	322
		-15.00	339
		-15.50	355
		-16.00	383
		-16.50	419
		-17.00	420
		-17.50	423
		-18.00	438
		-18.50	453
		-19.00	487
		-19.50	570
		-20.00	718
		-20.50	856
		-21.00	999
		-21.50	1086
		-22.00	1138
		-22.50	1191



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
9	-4.34	-12.50	287	
		-13.00	339	
		-13.50	366	
		-14.00	357	
		-14.50	383	
		-15.00	383	
		-15.50	402	
		-16.00	399	
		-16.50	417	
		-17.00	432	
		-17.50	454	
		-18.00	469	
		-18.50	513	
		-19.00	538	
		-19.50	724	
		-20.00	777	
		-20.50	831	
		-21.00	997	
		-21.50	1145	
		-22.00	1190	
		-22.50	1235	
10	-4.05	-12.50	239	
		-13.00	287	
		-13.50	343	
		-14.00	396	
		-14.50	437	
		-15.00	400	
		-15.50	415	
		-16.00	434	
		-16.50	483	
		-17.00	509	
		-17.50	540	
		-18.00	674	
		-18.50	644	
		-19.00	647	
		-19.50	694	
		-20.00	756	
		-20.50	816	
		-21.00	896	
		-21.50	1097	
		-22.00	1214	
		-22.50	1259	
11	-4.07	-12.50	216	
		-13.00	276	
		-13.50	259	
		-14.00	276	
		-14.50	296	
		-15.00	321	
		-15.50	479	
		-16.00	541	
		-16.50	535	
		-17.00	580	
		-17.50	569	
		-18.00	574	
		-18.50	596	
		-19.00	632	
		-19.50	696	
		-20.00	975	
		-20.50	1097	
		-21.00	1142	
		-21.50	1187	
		-22.00	1232	
		-22.50	1264	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
12	-4.04	-12.50	282	
		-13.00	329	
		-13.50	361	
		-14.00	408	
		-14.50	442	
		-15.00	506	
		-15.50	526	
		-16.00	512	
		-16.50	534	
		-17.00	551	
		-17.50	574	
		-18.00	592	
		-18.50	657	
		-19.00	697	
		-19.50	750	
		-20.00	822	
		-20.50	869	
13	-4.03	-21.00	927	
		-21.50	967	
		-22.00	1133	
		-22.50	1162	
		-12.50	260	
		-13.00	276	
		-13.50	286	
		-14.00	316	
		-14.50	361	
		-15.00	391	
		-15.50	475	
		-16.00	519	
		-16.50	553	
		-17.00	594	
		-17.50	620	
		-18.00	651	
		-18.50	697	
14	-4.04	-19.00	779	
		-19.50	819	
		-20.00	864	
		-20.50	931	
		-21.00	976	
		-21.50	1079	
		-22.00	1255	
		-22.50	1300	
		-12.50	278	
		-13.00	283	
		-13.50	317	
		-14.00	353	
		-14.50	371	
		-15.00	422	
		-15.50	533	
		-16.00	561	
		-16.50	571	
		-17.00	624	
		-17.50	662	
		-18.00	687	
		-18.50	808	
		-19.00	769	
		-19.50	642	
		-20.00	639	
		-20.50	735	
		-21.00	795	
		-21.50	834	
		-22.00	871	
		-22.50	1150	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o

15	-3.79	-12.50	301
		-13.00	331
		-13.50	387
		-14.00	399
		-14.50	459
		-15.00	482
		-15.50	513
		-16.00	635
		-16.50	719
		-17.00	766
		-17.50	701
		-18.00	727
		-18.50	737
		-19.00	800
		-19.50	827
		-20.00	856
		-20.50	873
16	-3.91	-21.00	880
		-21.50	886
		-22.00	1071
		-22.50	1225
		-12.50	255
		-13.00	299
		-13.50	301
		-14.00	332
		-14.50	361
		-15.00	389
		-15.50	496
		-16.00	577
		-16.50	599
		-17.00	585
		-17.50	606
		-18.00	641
		-18.50	760
17	-4.01	-19.00	798
		-19.50	849
		-20.00	878
		-20.50	917
		-21.00	939
		-21.50	1247
		-22.00	1292
		-22.50	1224
		-12.50	305
		-13.00	315
		-13.50	370
		-14.00	370
		-14.50	398
		-15.00	448
		-15.50	529
		-16.00	595
		-16.50	642
		-17.00	731
		-17.50	769
		-18.00	807
		-18.50	895
		-19.00	910
		-19.50	975
		-20.00	1005
		-20.50	1047
		-21.00	1167
		-21.50	1311
		-22.00	1356
		-22.50	1401



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o

18	-4.40	-12.50	267	
		-13.00	287	
		-13.50	334	
		-14.00	368	
		-14.50	358	
		-15.00	358	
		-15.50	378	
		-16.00	397	
		-16.50	448	
		-17.00	549	
		-17.50	810	
		-18.00	663	
		-18.50	669	
		-19.00	664	
		-19.50	761	
		-20.00	776	
		-20.50	845	
		-21.00	957	
		-21.50	1009	
		-22.00	1056	
		-22.50	1247	

19	-4.20	-12.50	275	
		-13.00	323	
		-13.50	372	
		-14.00	390	
		-14.50	416	
		-15.00	441	
		-15.50	498	
		-16.00	495	
		-16.50	524	
		-17.00	548	
		-17.50	801	
		-18.00	867	
		-18.50	876	
		-19.00	839	
		-19.50	825	
		-20.00	906	
		-20.50	904	
		-21.00	1051	
		-21.50	1101	
		-22.00	1255	
		-22.50	1342	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
1 - Ontgraven tot	-8.36	-12.50		221
		-13.00		283
		-13.50		313
		-14.00		351
		-14.50		373
		-15.00		360
		-15.50		378
		-16.00		394
		-16.50		445
		-17.00		500
		-17.50		609
		-18.00		597
		-18.50		612
		-19.00		645
		-19.50		668
		-20.00		743
		-20.50		771
2 - Ontgraven tot	-8.36	-21.00		944
		-21.50		1010
		-22.00		1122
		-22.50		1195
		-12.50		193
		-13.00		237
		-13.50		270
		-14.00		292
		-14.50		313
		-15.00		334
		-15.50		377
		-16.00		391
		-16.50		412
		-17.00		432
		-17.50		496
		-18.00		522
		-18.50		584
3 - Ontgraven tot	-8.36	-19.00		624
		-19.50		666
		-20.00		684
		-20.50		728
		-21.00		897
		-21.50		1045
		-22.00		1053
		-22.50		1118
		-12.50		241
		-13.00		275
		-13.50		296
		-14.00		309
		-14.50		325
		-15.00		343
		-15.50		362
		-16.00		387
		-16.50		403
		-17.00		435
		-17.50		533
		-18.00		550
		-18.50		557
		-19.00		548
		-19.50		564
		-20.00		578
		-20.50		691
		-21.00		879
		-21.50		925
		-22.00		991
		-22.50		1050



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
4 - Ontgraven tot	-8.36	-12.50		216
		-13.00		269
		-13.50		321
		-14.00		388
		-14.50		432
		-15.00		468
		-15.50		499
		-16.00		569
		-16.50		572
		-17.00		579
		-17.50		590
		-18.00		590
		-18.50		604
		-19.00		679
		-19.50		737
		-20.00		780
		-20.50		942
		-21.00		1064
		-21.50		1061
		-22.00		1093
		-22.50		1144
5 - Ontgraven tot	-8.36	-12.50		224
		-13.00		292
		-13.50		298
		-14.00		303
		-14.50		321
		-15.00		339
		-15.50		396
		-16.00		426
		-16.50		447
		-17.00		510
		-17.50		522
		-18.00		537
		-18.50		557
		-19.00		577
		-19.50		603
		-20.00		672
		-20.50		762
		-21.00		1000
		-21.50		1119
		-22.00		1123
		-22.50		1191
6 - Ontgraven tot	-8.36	-12.50		226
		-13.00		276
		-13.50		297
		-14.00		309
		-14.50		329
		-15.00		355
		-15.50		428
		-16.00		434
		-16.50		459
		-17.00		480
		-17.50		526
		-18.00		572
		-18.50		621
		-19.00		689
		-19.50		735
		-20.00		901
		-20.50		971
		-21.00		1049
		-21.50		1127
		-22.00		1169
		-22.50		1202



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
7 - Ontgraven tot	-8.36	-12.50		232
		-13.00		299
		-13.50		349
		-14.00		381
		-14.50		388
		-15.00		410
		-15.50		429
		-16.00		438
		-16.50		441
		-17.00		463
		-17.50		475
		-18.00		513
		-18.50		534
		-19.00		550
		-19.50		681
		-20.00		697
		-20.50		717
		-21.00		838
		-21.50		983
		-22.00		1105
		-22.50		1229
8 - Ontgraven tot	-8.36	-12.50		198
		-13.00		256
		-13.50		279
		-14.00		289
		-14.50		288
		-15.00		302
		-15.50		316
		-16.00		339
		-16.50		372
		-17.00		375
		-17.50		379
		-18.00		392
		-18.50		405
		-19.00		435
		-19.50		508
		-20.00		640
		-20.50		767
		-21.00		901
		-21.50		987
		-22.00		1040
		-22.50		1149
9 - Ontgraven tot	-8.36	-12.50		232
		-13.00		280
		-13.50		310
		-14.00		312
		-14.50		334
		-15.00		338
		-15.50		354
		-16.00		353
		-16.50		368
		-17.00		381
		-17.50		401
		-18.00		415
		-18.50		453
		-19.00		476
		-19.50		644
		-20.00		697
		-20.50		750
		-21.00		901
		-21.50		1044
		-22.00		1093
		-22.50		1136



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
10 - Ontgraven tot	-8.36	-12.50		194
		-13.00		237
		-13.50		283
		-14.00		325
		-14.50		373
		-15.00		355
		-15.50		370
		-16.00		386
		-16.50		428
		-17.00		452
		-17.50		478
		-18.00		594
		-18.50		575
		-19.00		581
		-19.50		622
		-20.00		676
		-20.50		730
		-21.00		803
		-21.50		984
		-22.00		1125
		-22.50		1169
11 - Ontgraven tot	-8.36	-12.50		174
		-13.00		233
		-13.50		237
		-14.00		255
		-14.50		271
		-15.00		292
		-15.50		418
		-16.00		475
		-16.50		475
		-17.00		515
		-17.50		514
		-18.00		523
		-18.50		541
		-19.00		573
		-19.50		628
		-20.00		873
		-20.50		1015
		-21.00		1103
		-21.50		1133
		-22.00		1134
		-22.50		1169
12 - Ontgraven tot	-8.36	-12.50		214
		-13.00		266
		-13.50		299
		-14.00		339
		-14.50		370
		-15.00		428
		-15.50		453
		-16.00		453
		-16.50		473
		-17.00		491
		-17.50		510
		-18.00		526
		-18.50		582
		-19.00		618
		-19.50		667
		-20.00		733
		-20.50		777
		-21.00		830
		-21.50		869
		-22.00		1020
		-22.50		1054



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
13 - Ontgraven tot	-8.36	-12.50		208
		-13.00		233
		-13.50		249
		-14.00		275
		-14.50		311
		-15.00		335
		-15.50		406
		-16.00		446
		-16.50		480
		-17.00		521
		-17.50		551
		-18.00		577
		-18.50		616
		-19.00		689
		-19.50		727
		-20.00		768
		-20.50		831
		-21.00		873
		-21.50		966
		-22.00		1156
		-22.50		1232
14 - Ontgraven tot	-8.36	-12.50		219
		-13.00		236
		-13.50		270
		-14.00		299
		-14.50		314
		-15.00		356
		-15.50		444
		-16.00		476
		-16.50		488
		-17.00		534
		-17.50		569
		-18.00		598
		-18.50		704
		-19.00		677
		-19.50		571
		-20.00		569
		-20.50		653
		-21.00		708
		-21.50		746
		-22.00		780
		-22.50		1028
15 - Ontgraven tot	-8.36	-12.50		234
		-13.00		271
		-13.50		314
		-14.00		332
		-14.50		384
		-15.00		410
		-15.50		436
		-16.00		535
		-16.50		608
		-17.00		651
		-17.50		611
		-18.00		635
		-18.50		645
		-19.00		699
		-19.50		727
		-20.00		757
		-20.50		776
		-21.00		785
		-21.50		792
		-22.00		954
		-22.50		1095



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	Rc; netto; d	[kN]
	niveau	niveau	250p	250p o
16 - Ontgraven tot	-8.36	-12.50		210
		-13.00		251
		-13.50		263
		-14.00		288
		-14.50		313
		-15.00		336
		-15.50		421
		-16.00		489
		-16.50		516
		-17.00		507
		-17.50		526
		-18.00		557
		-18.50		657
		-19.00		694
		-19.50		739
		-20.00		767
		-20.50		805
		-21.00		828
		-21.50		1130
		-22.00		1218
		-22.50		1097
17 - Ontgraven tot	-8.36	-12.50		234
		-13.00		259
		-13.50		305
		-14.00		317
		-14.50		340
		-15.00		379
		-15.50		446
		-16.00		504
		-16.50		547
		-17.00		626
		-17.50		664
		-18.00		699
		-18.50		777
		-19.00		790
		-19.50		851
		-20.00		878
		-20.50		915
		-21.00		1021
		-21.50		1202
		-22.00		1269
		-22.50		1314
18 - Ontgraven tot	-8.36	-12.50		211
		-13.00		243
		-13.50		285
		-14.00		314
		-14.50		314
		-15.00		316
		-15.50		332
		-16.00		348
		-16.50		391
		-17.00		478
		-17.50		711
		-18.00		593
		-18.50		605
		-19.00		605
		-19.50		693
		-20.00		711
		-20.50		776
		-21.00		879
		-21.50		928
		-22.00		972
		-22.50		1148



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

		maaiveld paalpunt		Rc; netto; d		[kN]
sondering	niveau	niveau	250p	250p o		
19 - Ontgraven tot	-8.36	-12.50			224	
		-13.00			266	
		-13.50			305	
		-14.00			334	
		-14.50			359	
		-15.00			379	
		-15.50			433	
		-16.00			438	
		-16.50			461	
		-17.00			482	
		-17.50			698	
		-18.00			763	
		-18.50			783	
		-19.00			759	
		-19.50			752	
		-20.00			827	
		-20.50			829	
		-21.00			963	
		-21.50			1014	
		-22.00			1157	
		-22.50			1243	



OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c, netto; d}$	[kN]			
	niveau	niveau		290p	320p	350p	400p
1	-4.24	-12.50	373	445	500	535	573
		-13.00	409	464	531	604	659
		-13.50	466	540	618	700	758
		-14.00	526	606	688	694	722
		-14.50	498	571	647	723	774
		-15.00	511	593	683	777	838
		-15.50	535	618	707	801	867
		-16.00	556	641	732	827	894
		-16.50	636	737	845	959	1039
		-17.00	715	828	949	1078	1168
		-17.50	816	926	1049	1180	1274
		-18.00	833	959	1082	1208	1298
		-18.50	846	967	1094	1228	1320
		-19.00	894	1021	1153	1292	1385
		-19.50	921	1053	1190	1331	1429
		-20.00	1026	1176	1335	1501	1617
		-20.50	1055	1206	1367	1537	1655
		-21.00	1301	1497	1706	1925	2079
		-21.50	1377	1579	1794	2022	2182
		-22.00	1520	1743	1979	2227	2399
2	-4.31	-12.50	310	366	401	443	472
		-13.00	336	390	444	500	532
		-13.50	378	425	483	546	591
		-14.00	421	484	549	619	666
		-14.50	456	535	613	687	738
		-15.00	489	577	674	778	835
		-15.50	532	614	706	804	874
		-16.00	556	647	744	847	919
		-16.50	585	678	776	881	954
		-17.00	613	709	811	919	995
		-17.50	704	816	934	1060	1148
		-18.00	731	843	962	1088	1175
		-18.50	813	938	1070	1210	1308
		-19.00	862	991	1129	1274	1374
		-19.50	908	1041	1183	1332	1436
		-20.00	936	1079	1230	1382	1487
		-20.50	982	1125	1275	1431	1537
		-21.00	1236	1435	1648	1878	2041
		-21.50	1416	1564	1781	2017	2179
		-22.00	1417	1631	1858	2097	2264
3	-4.03	-12.50	383	439	503	561	601
		-13.00	414	466	517	560	588
		-13.50	406	461	523	580	625



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{c; netto; d}$	[kN]				
					290p	320p	350p	380p	400p
			-14.00	446	512	580	646	693	
			-14.50	475	556	636	713	766	
			-15.00	503	587	674	769	832	
			-15.50	530	616	709	807	875	
			-16.00	560	650	746	847	918	
			-16.50	583	674	772	875	947	
			-17.00	631	731	839	954	1035	
			-17.50	790	891	1000	1087	1166	
			-18.00	769	877	998	1127	1208	
			-18.50	789	871	965	1069	1141	
			-19.00	759	864	974	1090	1170	
			-19.50	787	895	1009	1127	1208	
			-20.00	803	911	1024	1141	1222	
			-20.50	978	1121	1272	1430	1541	
			-21.00	1235	1391	1574	1769	1911	
			-21.50	1288	1479	1680	1891	2038	
			-22.00	1366	1562	1769	1986	2136	
			-22.50	1438	1647	1870	2106	2272	
4	-4.21		-12.50	337	400	471	548	600	
			-13.00	410	480	555	635	691	
			-13.50	488	570	654	742	804	
			-14.00	590	683	768	864	933	
			-14.50	641	751	864	974	1049	
			-15.00	691	814	942	1074	1163	
			-15.50	726	855	995	1150	1259	
			-16.00	801	937	1087	1245	1355	
			-16.50	799	930	1069	1217	1261	
			-17.00	803	892	994	1120	1210	
			-17.50	789	903	1029	1160	1252	
			-18.00	785	897	1015	1138	1224	
			-18.50	799	910	1028	1151	1236	
			-19.00	908	1040	1178	1323	1424	
			-19.50	984	1123	1273	1429	1538	
			-20.00	1049	1217	1399	1597	1736	
			-20.50	1268	1460	1664	1879	2012	
			-21.00	1362	1545	1741	1949	2098	
			-21.50	1400	1601	1813	2035	2187	
			-22.00	1431	1635	1848	2066	2215	
			-22.50	1500	1718	1948	2189	2355	
5	-4.10		-12.50	379	450	528	612	647	
			-13.00	455	493	516	557	588	
			-13.50	419	466	526	591	634	
			-14.00	447	516	586	659	710	
			-14.50	472	551	633	711	762	
			-15.00	498	580	666	759	823	
			-15.50	584	680	783	893	960	
			-16.00	622	721	827	940	1018	
			-16.50	641	740	845	956	1033	
			-17.00	711	812	918	1032	1105	
			-17.50	723	825	934	1050	1131	
			-18.00	743	851	965	1084	1167	
			-18.50	770	881	998	1120	1204	
			-19.00	798	912	1032	1158	1245	
			-19.50	833	952	1076	1207	1297	
			-20.00	933	1070	1214	1366	1473	
			-20.50	1066	1230	1410	1604	1742	
			-21.00	1404	1624	1859	2108	2285	
			-21.50	1488	1707	1910	2145	2311	
			-22.00	1527	1753	1991	2241	2415	
			-22.50	1592	1843	2100	2358	2537	
6	-4.28		-12.50	366	432	481	552	607	
			-13.00	421	495	514	532	563	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$ 290p	[kN]			
				320p	350p	380p	400p
		-13.50	396	452	513	579	627
		-14.00	448	516	586	660	711
		-14.50	473	553	634	710	762
		-15.00	514	602	697	800	869
		-15.50	604	677	770	874	946
		-16.00	606	702	805	914	994
		-16.50	640	740	845	957	1035
		-17.00	664	764	870	982	1060
		-17.50	731	841	960	1086	1176
		-18.00	793	913	1040	1173	1266
		-18.50	863	995	1136	1285	1389
		-19.00	951	1093	1244	1403	1514
		-19.50	1011	1160	1316	1481	1596
		-20.00	1258	1454	1658	1882	2036
		-20.50	1339	1546	1764	1991	2150
		-21.00	1446	1668	1906	2100	2261
		-21.50	1497	1724	1962	2212	2386
		-22.00	1570	1804	2051	2311	2491
		-22.50	1613	1846	2092	2350	2529
7	-4.33	-12.50	376	447	524	607	666
		-13.00	465	544	630	721	774
		-13.50	535	600	659	709	752
		-14.00	530	608	689	773	832
		-14.50	561	659	755	849	913
		-15.00	591	690	764	838	897
		-15.50	586	680	780	887	961
		-16.00	612	709	785	864	932
		-16.50	600	688	780	878	946
		-17.00	630	722	819	916	986
		-17.50	644	736	834	939	1013
		-18.00	696	795	900	1009	1084
		-18.50	723	823	929	1039	1115
		-19.00	746	852	967	1091	1177
		-19.50	913	1040	1178	1326	1428
		-20.00	941	1075	1215	1363	1465
		-20.50	959	1091	1228	1372	1470
		-21.00	1153	1338	1538	1753	1903
		-21.50	1328	1524	1731	1952	2106
		-22.00	1492	1716	1947		
8	-4.35	-12.50	326	383	433	485	519
		-13.00	369	417	465	526	560
		-13.50	388	434	480	529	559
		-14.00	397	447	493	545	585
		-14.50	399	465	534	600	643
		-15.00	422	490	563	640	693
		-15.50	441	510	585	664	720
		-16.00	476	553	634	721	782
		-16.50	513	581	648	715	759
		-17.00	502	572	641	718	773
		-17.50	515	588	664	745	800
		-18.00	531	606	683	764	820
		-18.50	549	626	706	791	849
		-19.00	592	675	763	855	919
		-19.50	705	814	932	1057	1145
		-20.00	885	1020	1163	1313	1418
		-20.50	1056	1219	1392	1576	1704
		-21.00	1226	1412	1609	1817	1962
		-21.50	1335	1534	1742	1962	2115
		-22.00	1399	1603	1816	2037	2190
		-22.50	1486	1726	1982	2254	2445
9	-4.34	-12.50	374	439	488	555	605
		-13.00	425	487	531	548	563



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{C; netto; d}	[kN]				
				290p	320p	350p	380p	400p
		-13.50		401	462	526	591	637
		-14.00		450	517	583	652	689
		-14.50		472	535	604	671	718
		-15.00		475	551	631	708	756
		-15.50		488	548	615	693	749
		-16.00		490	563	641	722	779
		-16.50		511	586	665	749	807
		-17.00		528	606	687	773	833
		-17.50		554	634	718	806	867
		-18.00		571	652	737	826	888
		-18.50		627	718	812	913	982
		-19.00		662	767	883	1010	1101
		-19.50		891	1030	1177	1332	1440
		-20.00		954	1096	1246	1404	1514
		-20.50		1014	1161	1317	1482	1598
		-21.00		1225	1409	1604	1811	1955
		-21.50		1396	1606	1826	2056	2216
		-22.00		1482	1709	1939	2182	2348
		-22.50		1526	1759	2007	2259	2429
10	-4.05	-12.50		300	352	410	474	519
		-13.00		363	427	495	567	618
		-13.50		429	497	571	648	701
		-14.00		503	581	664	752	813
		-14.50		554	620	656	712	754
		-15.00		489	570	660	755	818
		-15.50		519	605	696	792	860
		-16.00		539	623	714	810	876
		-16.50		600	695	797	904	979
		-17.00		628	724	826	934	1009
		-17.50		667	772	886	1008	1094
		-18.00		814	929	1052	1184	1277
		-18.50		791	908	1035	1168	1261
		-19.00		791	903	1022	1146	1232
		-19.50		854	979	1110	1247	1341
		-20.00		925	1060	1203	1354	1458
		-20.50		997	1141	1294	1454	1566
		-21.00		1106	1278	1463	1660	1798
		-21.50		1352	1558	1776	2007	2168
		-22.00		1513	1756	1975	2174	2323
		-22.50		1549	1778	2025	2279	2456
11	-4.07	-12.50		281	338	400	466	453
		-13.00		317	351	386	421	451
		-13.50		310	357	406	459	497
		-14.00		353	408	465	524	565
		-14.50		375	440	508	570	613
		-15.00		407	478	555	637	694
		-15.50		616	727	846	939	994
		-16.00		640	736	848	972	1057
		-16.50		667	774	888	1010	1071
		-17.00		706	789	876	972	1040
		-17.50		686	785	895	1009	1085
		-18.00		704	809	917	1031	1110
		-18.50		728	833	944	1061	1140
		-19.00		772	884	1002	1126	1213
		-19.50		862	995	1135	1282	1386
		-20.00		1232	1447	1678	1927	2102
		-20.50		1377	1606	1848	2094	2266
		-21.00		1429	1663	1903	2090	2233
		-21.50		1481	1676	1871	2097	2263
		-22.00		1510	1728	1958	2198	2364
		-22.50		1568	1801	2037	2282	2451
12	-4.04	-12.50		373	426	471	548	592



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c; netto; d}	[kN]				
				290p	320p	350p	380p	400p
		-13.00		415	471	535	608	662
		-13.50		452	525	603	684	741
		-14.00		518	598	682	769	830
		-14.50		564	662	766	870	940
		-15.00		643	756	875	998	1069
		-15.50		664	722	809	919	988
		-16.00		632	728	837	953	1033
		-16.50		662	766	862	953	1028
		-17.00		671	773	881	994	1074
		-17.50		705	810	922	1039	1121
		-18.00		724	829	940	1057	1139
		-18.50		806	926	1052	1185	1277
		-19.00		858	990	1132	1276	1375
		-19.50		928	1076	1233	1400	1513
		-20.00		1003	1148	1301	1462	1573
		-20.50		1057	1207	1365	1530	1644
		-21.00		1131	1291	1458	1633	1754
		-21.50		1183	1358	1547	1747	1886
		-22.00		1366	1568	1775	1997	2150
		-22.50		1425	1635	1854	2084	2241
13	-4.03	-12.50		303	350	402	462	462
		-13.00		316	354	410	470	513
		-13.50		356	412	472	535	578
		-14.00		403	467	531	599	645
		-14.50		459	540	625	706	760
		-15.00		493	578	669	768	836
		-15.50		596	697	806	922	1003
		-16.00		649	756	870	991	1076
		-16.50		687	795	910	1034	1120
		-17.00		736	848	968	1096	1185
		-17.50		768	887	1013	1143	1233
		-18.00		806	930	1060	1197	1293
		-18.50		865	1001	1146	1295	1398
		-19.00		964	1114	1273	1441	1559
		-19.50		1009	1162	1324	1495	1614
		-20.00		1063	1223	1394	1577	1705
		-20.50		1142	1311	1489	1677	1807
		-21.00		1195	1369	1552	1744	1877
		-21.50		1335	1542	1761	1992	2152
		-22.00		1560	1808	2072	2352	2548
		-22.50		1613	1866	2135	2421	2620
14	-4.04	-12.50		306	351	404	470	514
		-13.00		360	421	458	508	551
		-13.50		391	453	517	585	632
		-14.00		450	520	591	666	718
		-14.50		470	552	638	720	776
		-15.00		532	623	720	824	894
		-15.50		664	778	901	1032	1098
		-16.00		701	812	929	1055	1147
		-16.50		708	819	937	1062	1149
		-17.00		766	885	1012	1146	1239
		-17.50		819	947	1081	1223	1321
		-18.00		849	979	1115	1258	1357
		-18.50		981	1105	1193	982	1039
		-19.00		724	824	921	1023	1097
		-19.50		764	860	959	1061	1130
		-20.00		753	841	930	1022	1097
		-20.50		878	991	1112	1243	1332
		-21.00		946	1065	1187	1314	1401
		-21.50		990	1111	1236	1365	1452
		-22.00		1034	1163	1297	1440	1542
		-22.50		1394	1588	1791	2004	2151



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	290p	320p	350p	380p	400p
15	-3.79	-12.50	384	449	480	544	594
		-13.00	415	482	554	630	683
		-13.50	487	563	644	728	786
		-14.00	513	606	697	793	861
		-14.50	584	687	798	911	983
		-15.00	609	713	824	943	1027
		-15.50	646	757	878	1008	1102
		-16.00	799	933	1077	1231	1339
		-16.50	901	1050	1209	1378	1450
		-17.00	935	1002	1085	1220	1316
		-17.50	858	987	1127	1277	1380
		-18.00	892	1024	1164	1312	1414
		-18.50	900	1031	1170	1316	1418
		-19.00	976	1111	1255	1409	1516
		-19.50	1006	1149	1299	1457	1566
		-20.00	1039	1183	1318	1435	1527
		-20.50	1033	1166	1311	1463	1567
		-21.00	1060	1201	1349	1502	1608
		-21.50	1061	1199	1342	1490	1592
		-22.00	1318	1520	1738	1971	2136
		-22.50	1503	1722	1953	2196	2364
16	-3.91	-12.50	324	383	446	478	502
		-13.00	338	375	430	491	530
		-13.50	378	435	496	560	605
		-14.00	422	493	561	632	680
		-14.50	458	538	621	706	760
		-15.00	492	577	669	769	839
		-15.50	629	739	858	987	1078
		-16.00	724	844	936	1029	1103
		-16.50	720	827	943	1064	1147
		-17.00	718	827	944	1067	1152
		-17.50	744	856	972	1095	1179
		-18.00	787	905	1028	1158	1248
		-18.50	951	1097	1215	1374	1485
		-19.00	980	1128	1281	1446	1561
		-19.50	1041	1194	1328	1491	1607
		-20.00	1071	1225	1387	1553	1671
		-20.50	1115	1273	1439	1612	1733
		-21.00	1149	1316	1495	1687	1824
		-21.50	1551	1798	2061	2340	2429
		-22.00	1591	1726	1919	2065	2059
		-22.50	1340	1466	1626	1801	1923
17	-4.01	-12.50	361	411	452	517	567
		-13.00	396	462	526	602	651
		-13.50	462	483	548	620	670
		-14.00	473	550	623	701	756
		-14.50	504	592	685	775	833
		-15.00	569	667	771	882	960
		-15.50	667	780	901	1031	1121
		-16.00	746	869	1000	1140	1238
		-16.50	801	931	1071	1222	1329
		-17.00	886	1023	1170	1326	1435
		-17.50	950	1095	1248	1409	1522
		-18.00	1001	1154	1312	1478	1593
		-18.50	1113	1290	1476	1670	1801
		-19.00	1124	1298	1482	1677	1810
		-19.50	1205	1391	1589	1798	1943
		-20.00	1237	1425	1623	1833	1979
		-20.50	1286	1478	1682	1896	2046
		-21.00	1473	1728	2006	2302	2507
		-21.50	1625	1880	2151	2437	2638
		-22.00	1677	1937	2213	2506	2710
		-22.50	1730	1995	2276	2574	2782



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	290p	320p	350p	380p	400p
18	-4.40	-12.50	338	382	407	455	494
		-13.00	352	408	470	538	586
		-13.50	415	480	549	617	664
		-14.00	464	507	554	598	643
		-14.50	440	493	559	625	671
		-15.00	446	517	593	674	728
		-15.50	467	539	615	696	753
		-16.00	491	567	647	733	793
		-16.50	555	642	735	835	905
		-17.00	694	814	945	1087	1188
		-17.50	920	951	1041	1167	1264
		-18.00	816	950	1085	1228	1328
		-18.50	819	938	1064	1197	1289
		-19.00	821	950	1088	1236	1340
		-19.50	929	1067	1211	1361	1463
		-20.00	943	1077	1217	1364	1466
		-20.50	1029	1176	1331	1493	1605
		-21.00	1164	1333	1511	1698	1828
		-21.50	1229	1403	1586	1778	1910
		-22.00	1285	1468	1656	1853	1990
		-22.50	1541	1776	2023	2282	2458
19	-4.20	-12.50	346	406	474	550	604
		-13.00	404	469	539	613	665
		-13.50	463	519	579	654	706
		-14.00	497	579	658	741	799
		-14.50	526	617	714	808	868
		-15.00	560	661	773	896	966
		-15.50	609	707	778	884	959
		-16.00	616	714	817	927	1004
		-16.50	647	747	853	966	1044
		-17.00	677	781	893	1011	1094
		-17.50	1007	1177	1358	1552	1688
		-18.00	1103	1248	1393	1522	1650
		-18.50	1049	1204	1376	1570	1695
		-19.00	1031	1185	1331	1488	1604
		-19.50	1004	1145	1294	1450	1560
		-20.00	1112	1274	1443	1619	1742
		-20.50	1104	1267	1442	1624	1749
		-21.00	1290	1482	1685	1899	2048
		-21.50	1346	1542	1749	1966	2117
		-22.00	1547	1785	2039	2301	2483
		-22.50	1646	1801	2032	2258	2406



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{c; netto; d} [kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o
1 - Ontgraven tot	-8.36	-12.50	284	337	394	432	464
		-13.00	336	382	436	495	537
		-13.50	386	446	508	574	620
		-14.00	436	500	566	590	616
		-14.50	429	491	554	617	660
		-15.00	445	514	590	669	719
		-15.50	467	538	613	693	749
		-16.00	484	557	634	715	771
		-16.50	551	637	729	826	894
		-17.00	619	715	818	928	1005
		-17.50	711	806	912	1025	1105
		-18.00	730	839	945	1054	1133
		-18.50	744	849	960	1075	1155
		-19.00	788	898	1013	1134	1218
		-19.50	813	929	1049	1172	1257
		-20.00	908	1040	1180	1326	1427
		-20.50	939	1073	1215	1365	1470
		-21.00	1161	1336	1521	1716	1852
		-21.50	1236	1417	1608	1811	1954
		-22.00	1372	1573	1784	2007	2161
		-22.50	1475	1700	1936	2176	2342
2 - Ontgraven tot	-8.36	-12.50	249	296	332	368	393
		-13.00	285	329	375	423	450
		-13.50	325	367	416	468	505
		-14.00	363	415	470	527	566
		-14.50	394	458	520	582	624
		-15.00	421	495	574	657	712
		-15.50	462	535	613	697	756
		-16.00	485	563	646	733	794
		-16.50	510	589	673	762	824
		-17.00	534	616	703	796	860
		-17.50	614	710	812	920	995
		-18.00	643	741	843	952	1027
		-18.50	719	829	945	1066	1151
		-19.00	766	880	1000	1127	1215
		-19.50	811	930	1055	1186	1277
		-20.00	841	968	1103	1238	1331
		-20.50	887	1014	1148	1287	1382
		-21.00	1115	1292	1483	1688	1833
		-21.50	1285	1421	1617	1829	1975
		-22.00	1294	1489	1694	1911	2061
		-22.50	1369	1570	1782	2006	2161
3 - Ontgraven tot	-8.36	-12.50	297	341	391	438	470
		-13.00	334	379	422	460	484
		-13.50	344	390	441	489	526
		-14.00	379	433	488	545	584
		-14.50	407	473	537	599	642
		-15.00	428	497	571	648	698
		-15.50	450	521	597	677	733
		-16.00	479	555	634	719	778
		-16.50	498	574	655	741	801
		-17.00	538	622	712	808	876
		-17.50	663	760	853	927	998
		-18.00	660	752	854	964	1033
		-18.50	679	754	835	925	988
		-19.00	658	748	844	944	1013
		-19.50	682	776	873	976	1046
		-20.00	696	790	887	989	1059
		-20.50	848	971	1102	1240	1336
		-21.00	1078	1215	1374	1545	1669
		-21.50	1133	1300	1476	1662	1791
		-22.00	1208	1382	1564	1755	1888
		-22.50	1279	1464	1661	1871	2018



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld niveau	paalpunt niveau	$R_{c, netto; d}$ [kN]				
			290p o	320p o	350p o	380p o	400p o
4 - Ontgraven tot	-8.36	-12.50	275	324	377	435	475
		-13.00	337	392	450	512	556
		-13.50	400	464	531	600	648
		-14.00	487	561	637	717	773
		-14.50	543	631	721	811	872
		-15.00	591	691	793	898	969
		-15.50	627	733	848	973	1061
		-16.00	706	824	953	1088	1183
		-16.50	711	824	945	1073	1124
		-17.00	718	803	895	1007	1087
		-17.50	715	817	929	1046	1127
		-18.00	717	818	923	1034	1111
		-18.50	731	831	937	1048	1124
		-19.00	827	945	1069	1199	1289
		-19.50	897	1023	1157	1297	1395
		-20.00	959	1110	1274	1451	1575
		-20.50	1157	1331	1514	1707	1834
		-21.00	1252	1419	1597	1786	1921
		-21.50	1294	1477	1671	1873	2011
		-22.00	1329	1515	1710	1909	2046
		-22.50	1396	1597	1808	2028	2180
5 - Ontgraven tot	-8.36	-12.50	290	346	406	468	503
		-13.00	361	395	421	458	484
		-13.50	350	390	439	491	527
		-14.00	377	432	489	548	588
		-14.50	400	464	529	591	633
		-15.00	421	488	558	633	683
		-15.50	493	572	657	747	810
		-16.00	527	610	697	790	855
		-16.50	550	632	719	812	876
		-17.00	613	700	790	887	949
		-17.50	631	719	813	911	980
		-18.00	655	748	846	949	1020
		-18.50	678	775	877	981	1053
		-19.00	702	801	906	1015	1091
		-19.50	733	837	945	1059	1138
		-20.00	820	940	1066	1198	1291
		-20.50	937	1081	1238	1408	1528
		-21.00	1239	1433	1638	1857	2012
		-21.50	1378	1521	1702	1911	2058
		-22.00	1370	1572	1784	2006	2161
		-22.50	1459	1669	1889	2121	2281
6 - Ontgraven tot	-8.36	-12.50	295	348	388	444	486
		-13.00	346	403	429	451	478
		-13.50	342	389	440	495	535
		-14.00	385	441	500	561	603
		-14.50	411	477	542	605	648
		-15.00	445	518	598	682	737
		-15.50	525	589	668	756	817
		-16.00	534	617	705	798	863
		-16.50	566	651	742	837	904
		-17.00	587	674	765	861	928
		-17.50	647	743	845	954	1031
		-18.00	703	808	918	1033	1113
		-18.50	764	880	1004	1134	1224
		-19.00	845	970	1103	1242	1339
		-19.50	899	1030	1168	1313	1414
		-20.00	1120	1294	1477	1672	1807
		-20.50	1200	1384	1577	1779	1920
		-21.00	1302	1502	1719	1895	2039
		-21.50	1361	1566	1780	2005	2162
		-22.00	1434	1646	1870	2105	2267
		-22.50	1479	1691	1914	2148	2311



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c, netto; d} [kN]				
			290p o	320p o	350p o	380p o	400p o
7 - Ontgraven tot	-8.36	-12.50	300	358	418	481	526
		-13.00	376	438	504	575	625
		-13.50	435	504	556	602	640
		-14.00	455	521	589	659	709
		-14.50	488	568	646	725	778
		-15.00	512	596	671	735	784
		-15.50	517	598	685	777	841
		-16.00	541	626	695	765	824
		-16.50	538	616	698	784	844
		-17.00	565	646	731	817	879
		-17.50	576	658	744	837	902
		-18.00	623	711	803	900	967
		-18.50	647	736	830	927	995
		-19.00	668	763	865	974	1050
		-19.50	819	932	1056	1187	1278
		-20.00	847	967	1093	1224	1316
		-20.50	866	984	1108	1236	1324
		-21.00	1040	1207	1387	1580	1715
		-21.50	1204	1381	1569	1768	1907
		-22.00	1360	1562	1772		
8 - Ontgraven tot	-8.36	-12.50	255	303	355	399	428
		-13.00	310	351	392	442	472
		-13.50	337	377	418	462	488
		-14.00	351	394	435	480	514
		-14.50	356	413	470	525	563
		-15.00	374	433	495	560	604
		-15.50	389	449	513	581	629
		-16.00	420	486	556	630	682
		-16.50	455	516	578	637	677
		-17.00	449	511	572	641	689
		-17.50	460	525	593	664	713
		-18.00	475	540	609	681	730
		-18.50	490	558	629	704	756
		-19.00	528	602	679	761	818
		-19.50	628	725	829	940	1018
		-20.00	789	909	1036	1169	1262
		-20.50	946	1091	1246	1410	1523
		-21.00	1108	1275	1453	1640	1770
		-21.50	1212	1392	1580	1779	1917
		-22.00	1277	1461	1654	1855	1994
		-22.50	1437	1672	1911	2134	2292
9 - Ontgraven tot	-8.36	-12.50	298	352	393	447	487
		-13.00	349	402	441	462	477
		-13.50	345	395	449	503	541
		-14.00	388	443	499	557	594
		-14.50	413	468	525	583	623
		-15.00	418	483	552	620	661
		-15.50	431	484	542	611	659
		-16.00	433	496	564	635	684
		-16.50	450	515	584	657	707
		-17.00	465	532	603	678	730
		-17.50	489	558	632	709	762
		-18.00	503	574	649	726	780
		-18.50	554	633	716	804	864
		-19.00	585	677	779	890	970
		-19.50	792	915	1045	1182	1278
		-20.00	855	982	1115	1256	1353
		-20.50	914	1045	1185	1333	1436
		-21.00	1107	1271	1447	1632	1762
		-21.50	1270	1460	1659	1867	2012
		-22.00	1354	1560	1769	1989	2140
		-22.50	1400	1613	1838	2068	2221



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c, netto;d} [kN]				
			290p o	320p o	350p o	380p o	400p o
10 - Ontgraven tot -8.36	-12.50		242	284	327	375	410
	-13.00		297	345	397	453	492
	-13.50		350	403	460	519	560
	-14.00		406	467	531	599	646
	-14.50		466	525	558	607	643
	-15.00		433	502	577	653	704
	-15.50		460	532	609	691	747
	-16.00		475	548	625	706	762
	-16.50		528	609	696	787	850
	-17.00		554	637	724	816	880
	-17.50		588	678	775	879	952
	-18.00		717	816	922	1036	1115
	-18.50		704	806	917	1032	1113
	-19.00		707	806	909	1017	1092
	-19.50		762	872	987	1106	1188
	-20.00		825	944	1069	1201	1293
	-20.50		890	1018	1153	1294	1392
	-21.00		989	1141	1304	1477	1598
	-21.50		1211	1393	1585	1790	1932
	-22.00		1386	1595	1778	1957	2090
	-22.50		1406	1612	1833	2061	2219
11 - Ontgraven tot -8.36	-12.50		228	273	323	374	374
	-13.00		271	302	333	365	391
	-13.50		282	323	365	410	442
	-14.00		317	363	411	461	495
	-14.50		339	392	446	498	534
	-15.00		365	425	489	555	600
	-15.50		537	630	730	812	859
	-16.00		562	644	740	844	916
	-16.50		589	681	777	880	938
	-17.00		628	702	778	861	920
	-17.50		617	704	799	898	964
	-18.00		639	732	827	927	996
	-18.50		659	753	852	954	1024
	-19.00		698	798	903	1013	1089
	-19.50		777	894	1018	1149	1240
	-20.00		1100	1290	1494	1713	1867
	-20.50		1253	1453	1661	1880	2034
	-21.00		1359	1534	1723	1893	2022
	-21.50		1355	1530	1707	1912	2061
	-22.00		1387	1585	1793	2011	2162
	-22.50		1446	1658	1873	2095	2249
12 - Ontgraven tot -8.36	-12.50		279	333	371	428	468
	-13.00		332	379	430	487	529
	-13.50		371	428	489	552	596
	-14.00		424	488	552	620	667
	-14.50		465	540	620	700	755
	-15.00		540	630	725	821	879
	-15.50		567	632	708	801	859
	-16.00		558	641	735	833	901
	-16.50		584	674	761	841	906
	-17.00		597	685	779	877	946
	-17.50		625	716	813	915	986
	-18.00		641	733	829	931	1002
	-18.50		712	816	925	1041	1121
	-19.00		759	873	997	1124	1210
	-19.50		823	952	1089	1235	1334
	-20.00		893	1021	1155	1296	1394
	-20.50		944	1076	1215	1360	1461
	-21.00		1011	1152	1300	1454	1561
	-21.50		1061	1216	1384	1561	1684
	-22.00		1230	1411	1596	1793	1930
	-22.50		1290	1479	1675	1881	2021



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c, netto; d} [kN]				
			290p o	320p o	350p o	380p o	400p o
13 - Ontgraven tot -8.36	-12.50		245	283	323	369	376
	-13.00		270	304	349	396	429
	-13.50		306	351	399	449	484
	-14.00		343	393	445	499	536
	-14.50		391	456	521	586	630
	-15.00		418	487	561	639	691
	-15.50		505	589	677	772	838
	-16.00		555	643	737	836	905
	-16.50		592	683	780	882	954
	-17.00		643	738	839	947	1021
	-17.50		677	779	886	997	1073
	-18.00		711	818	929	1046	1127
	-18.50		762	880	1005	1133	1220
	-19.00		851	981	1119	1265	1367
	-19.50		892	1026	1167	1316	1420
	-20.00		942	1082	1232	1391	1502
	-20.50		1016	1164	1321	1485	1599
	-21.00		1066	1220	1381	1550	1667
	-21.50		1194	1377	1570	1773	1914
	-22.00		1432	1655	1891	2139	2310
	-22.50		1517	1742	1985	2243	2422
14 - Ontgraven tot -8.36	-12.50		248	284	325	376	410
	-13.00		294	343	381	423	456
	-13.50		332	381	433	487	524
	-14.00		375	430	487	546	587
	-14.50		394	459	525	590	635
	-15.00		445	518	596	678	733
	-15.50		555	648	748	854	929
	-16.00		592	683	780	883	958
	-16.50		602	694	791	894	966
	-17.00		658	758	863	974	1052
	-17.50		701	809	922	1044	1127
	-18.00		737	847	962	1083	1166
	-18.50		853	961	1043	864	914
	-19.00		641	729	815	905	969
	-19.50		679	763	851	940	1002
	-20.00		670	748	827	909	975
	-20.50		779	879	985	1101	1182
	-21.00		842	948	1057	1170	1246
	-21.50		886	994	1105	1220	1298
	-22.00		925	1039	1159	1286	1377
	-22.50		1245	1418	1599	1789	1920



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c, netto; d} [kN]				
			290p o	320p o	350p o	380p o	400p o
15 - Ontgraven tot -8.36	-12.50	-12.50	295	344	379	428	465
	-13.00	-13.00	336	388	442	500	540
	-13.50	-13.50	390	448	509	573	617
	-14.00	-14.00	420	489	558	632	684
	-14.50	-14.50	484	566	652	738	793
	-15.00	-15.00	513	596	685	780	845
	-15.50	-15.50	544	633	730	834	908
	-16.00	-16.00	669	777	893	1017	1103
	-16.50	-16.50	758	879	1008	1145	1214
	-17.00	-17.00	799	856	935	1049	1131
	-17.50	-17.50	746	856	975	1104	1191
	-18.00	-18.00	777	891	1011	1137	1224
	-18.50	-18.50	785	898	1017	1143	1230
	-19.00	-19.00	852	972	1097	1230	1323
	-19.50	-19.50	883	1007	1136	1272	1366
	-20.00	-20.00	917	1045	1166	1270	1352
	-20.50	-20.50	918	1036	1164	1298	1390
	-21.00	-21.00	944	1070	1200	1336	1429
	-21.50	-21.50	948	1071	1198	1329	1419
	-22.00	-22.00	1172	1351	1543	1748	1893
	-22.50	-22.50	1337	1530	1734	1947	2096
16 - Ontgraven tot -8.36	-12.50	-12.50	263	308	356	389	410
	-13.00	-13.00	291	324	368	416	450
	-13.50	-13.50	324	372	422	474	511
	-14.00	-14.00	359	414	468	524	562
	-14.50	-14.50	393	458	523	589	632
	-15.00	-15.00	420	489	564	644	698
	-15.50	-15.50	529	619	715	819	893
	-16.00	-16.00	610	709	793	871	933
	-16.50	-16.50	618	707	804	905	974
	-17.00	-17.00	620	712	810	913	984
	-17.50	-17.50	644	738	836	938	1009
	-18.00	-18.00	682	782	886	996	1071
	-18.50	-18.50	820	949	1050	1187	1281
	-19.00	-19.00	852	979	1110	1251	1350
	-19.50	-19.50	905	1037	1155	1295	1395
	-20.00	-20.00	934	1067	1208	1351	1453
	-20.50	-20.50	978	1115	1259	1410	1514
	-21.00	-21.00	1013	1159	1315	1483	1602
	-21.50	-21.50	1403	1625	1861	2078	2146
	-22.00	-22.00	1416	1536	1708	1838	1838
	-22.50	-22.50	1205	1317	1462	1618	1728
17 - Ontgraven tot -8.36	-12.50	-12.50	283	323	360	410	448
	-13.00	-13.00	322	374	425	483	523
	-13.50	-13.50	376	406	459	517	557
	-14.00	-14.00	399	460	520	581	624
	-14.50	-14.50	426	497	571	641	688
	-15.00	-15.00	479	558	643	733	795
	-15.50	-15.50	559	652	752	857	931
	-16.00	-16.00	629	731	839	954	1034
	-16.50	-16.50	678	787	903	1027	1115
	-17.00	-17.00	760	876	999	1130	1221
	-17.50	-17.50	818	940	1070	1206	1301
	-18.00	-18.00	864	995	1128	1268	1365
	-18.50	-18.50	965	1117	1275	1440	1552
	-19.00	-19.00	975	1124	1283	1450	1564
	-19.50	-19.50	1051	1212	1384	1565	1691
	-20.00	-20.00	1080	1243	1416	1598	1725
	-20.50	-20.50	1123	1291	1468	1655	1785
	-21.00	-21.00	1288	1511	1753	2012	2191
	-21.50	-21.50	1487	1718	1963	2222	2402
	-22.00	-22.00	1576	1826	2091	2371	2562
	-22.50	-22.50	1628	1883	2154	2441	2642



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c, netto; d} [kN]				
			290p o	320p o	350p o	380p o	400p o
18 - Ontgraven tot -8.36	-12.50		272	314	339	380	411
	-13.00		298	344	395	449	487
	-13.50		351	404	460	520	559
	-14.00		390	437	479	518	556
	-14.50		385	432	487	543	582
	-15.00		391	453	518	587	632
	-15.50		409	470	536	605	653
	-16.00		429	494	563	637	688
	-16.50		484	559	639	724	784
	-17.00		603	706	819	941	1027
	-17.50		809	836	916	1026	1111
	-18.00		728	847	966	1091	1179
	-18.50		739	845	957	1075	1157
	-19.00		747	862	984	1116	1209
	-19.50		847	971	1101	1236	1328
	-20.00		863	984	1111	1244	1336
	-20.50		943	1077	1217	1364	1465
	-21.00		1068	1222	1384	1554	1672
	-21.50		1129	1287	1454	1628	1749
	-22.00		1182	1349	1520	1700	1825
	-22.50		1418	1632	1858	2094	2255
19 - Ontgraven tot -8.36	-12.50		280	328	381	436	474
	-13.00		330	381	436	493	533
	-13.50		376	432	486	547	590
	-14.00		420	485	549	616	662
	-14.50		451	526	603	678	726
	-15.00		479	563	655	755	820
	-15.50		528	612	681	772	837
	-16.00		543	627	716	811	877
	-16.50		569	655	746	843	910
	-17.00		593	684	780	882	952
	-17.50		877	1022	1178	1344	1461
	-18.00		967	1100	1227	1340	1452
	-18.50		937	1073	1225	1395	1506
	-19.00		930	1067	1198	1338	1441
	-19.50		913	1039	1172	1311	1409
	-20.00		1012	1157	1308	1466	1575
	-20.50		1011	1158	1315	1479	1591
	-21.00		1180	1354	1537	1730	1865
	-21.50		1237	1415	1603	1800	1936
	-22.00		1423	1640	1870	2112	2277
	-22.50		1521	1666	1877	2085	2220



A2 Schroefinjectiepalen

Technosoft Paalfunderingen release 6.71a

22 dec 2022

OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{c, netto; d} [kN]			
	niveau	niveau	SI 350	SI 400	SI 450	SI 500
1	-4.24	-12.50	369	442	501	584
		-13.00	385	470	570	688
		-13.50	442	543	652	776
		-14.00	495	588	613	702
		-14.50	459	557	654	758
		-15.00	473	586	706	821
		-15.50	491	603	725	857
		-16.00	508	622	745	879
		-16.50	587	723	872	1034
		-17.00	661	814	982	1167
		-17.50	745	899	1071	1262
		-18.00	765	921	1086	1274
		-18.50	768	927	1098	1281
		-19.00	811	976	1151	1341
		-19.50	834	1005	1185	1379
		-20.00	935	1134	1348	1572
		-20.50	957	1158	1377	1618
		-21.00	1200	1463	1749	2058
		-21.50	1267	1538	1835	2163
		-22.00	1403	1700	2022	2368
		-22.50	1509	1839	2184	2554
2	-4.31	-12.50	307	355	412	490
		-13.00	321	391	459	529
		-13.50	349	422	505	596
		-14.00	393	477	567	663
		-14.50	431	530	626	729
		-15.00	462	586	709	813
		-15.50	494	609	738	878
		-16.00	517	639	774	920
		-16.50	540	664	800	948
		-17.00	563	692	833	987
		-17.50	652	802	966	1144
		-18.00	672	821	984	1161
		-18.50	749	916	1097	1294
		-19.00	791	964	1151	1354
		-19.50	831	1008	1201	1408
		-20.00	857	1046	1241	1451
		-20.50	894	1082	1281	1494
		-21.00	1151	1422	1725	2055
		-21.50	1261	1536	1842	2171
		-22.00	1312	1599	1911	2244
		-22.50	1379	1674	1993	2338
3	-4.03	-12.50	368	449	525	599
		-13.00	389	454	507	587
		-13.50	376	454	532	622
		-14.00	414	500	586	682
		-14.50	444	547	646	747
		-15.00	468	579	700	813
		-15.50	491	607	735	874
		-16.00	517	637	770	913
		-16.50	535	657	790	936
		-17.00	580	715	866	1032
		-17.50	720	850	979	1147
		-18.00	699	850	1010	1116
		-18.50	696	812	942	1097
		-19.00	678	815	962	1118
		-19.50	703	842	992	1151
		-20.00	713	852	1000	1158
		-20.50	889	1077	1282	1505



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{c, netto, d}$		[kN]	
				SI 350	SI 400	SI 450	SI 500
3	-4.03		-21.00	1121	1349	1606	1890
			-21.50	1185	1439	1713	2008
			-22.00	1253	1513	1793	2094
			-22.50	1320	1600	1908	2203
4	-4.21		-12.50	331	424	525	634
			-13.00	396	494	601	718
			-13.50	469	578	695	822
			-14.00	563	677	805	945
			-14.50	614	759	902	1055
			-15.00	662	826	997	1165
			-15.50	691	871	1077	1307
			-16.00	757	948	1156	1384
			-16.50	747	924	1068	1171
			-17.00	721	846	1013	1194
			-17.50	718	875	1044	1230
			-18.00	709	855	1013	1183
			-18.50	717	863	1020	1189
			-19.00	824	997	1184	1384
			-19.50	892	1079	1280	1496
			-20.00	963	1193	1451	1726
			-20.50	1170	1427	1693	1966
			-21.00	1243	1489	1762	2060
			-21.50	1283	1550	1835	2139
			-22.00	1307	1574	1853	2149
			-22.50	1372	1661	1971	2293
5	-4.10		-12.50	372	474	569	619
			-13.00	409	450	506	573
			-13.50	383	457	540	637
			-14.00	416	506	601	702
			-14.50	439	543	641	743
			-15.00	461	571	691	804
			-15.50	544	674	810	965
			-16.00	576	709	856	1016
			-16.50	588	720	864	1021
			-17.00	648	782	924	1077
			-17.50	656	792	941	1103
			-18.00	673	815	968	1133
			-18.50	696	841	997	1163
			-19.00	719	868	1029	1201
			-19.50	751	906	1072	1252
			-20.00	848	1029	1225	1441
			-20.50	979	1204	1460	1744
			-21.00	1312	1610	1939	2200
6	-4.28		-12.50	363	431	532	639
			-13.00	408	446	487	568
			-13.50	370	448	536	634
			-14.00	419	508	605	707
			-14.50	444	546	644	747
			-15.00	482	603	736	865
			-15.50	550	664	799	950
			-16.00	560	691	837	993
			-16.50	590	723	868	1025
			-17.00	607	740	885	1042
			-17.50	670	819	984	1167
			-18.00	728	887	1060	1245
			-18.50	794	971	1165	1374
			-19.00	874	1064	1270	1492
			-19.50	927	1124	1337	1567
			-20.00	1173	1436	1724	2036



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$		[kN]	
			SI 350	SI 400	SI 450	SI 500
6	-4.28	-20.50	1246	1523	1819	2139
		-21.00	1346	1641	1912	2241
		-21.50	1389	1691	2016	2364
		-22.00	1454	1766	2103	2462
		-22.50	1486	1796	2130	2488
7	-4.33	-12.50	371	472	584	708
		-13.00	451	562	677	750
		-13.50	503	577	648	755
		-14.00	498	602	713	836
		-14.50	532	657	778	906
		-15.00	555	659	757	883
		-15.50	544	671	810	961
		-16.00	566	663	778	918
		-16.50	544	660	785	920
		-17.00	571	692	818	957
		-17.50	580	701	837	988
		-18.00	628	758	897	1047
		-18.50	649	779	919	1069
		-19.00	670	812	971	1145
		-19.50	829	1002	1192	1396
		-20.00	854	1029	1218	1420
		-20.50	864	1035	1217	1411
		-21.00	1066	1318	1599	1901
		-21.50	1224	1487	1774	2087
		-22.00	1384	1677		
8	-4.35	-12.50	322	387	454	515
		-13.00	347	411	485	546
		-13.50	357	417	477	533
		-14.00	364	424	493	573
		-14.50	371	458	541	628
		-15.00	390	481	581	676
		-15.50	405	498	602	715
		-16.00	439	542	654	760
		-16.50	465	548	631	732
		-17.00	452	539	638	747
		-17.50	462	557	659	768
		-18.00	475	571	674	784
		-18.50	491	590	697	812
		-19.00	531	640	757	884
		-19.50	645	793	956	1135
		-20.00	818	999	1194	1409
		-20.50	983	1203	1443	1702
		-21.00	1144	1395	1667	1961
		-21.50	1244	1510	1797	2106
		-22.00	1300	1570	1858	2165
		-22.50	1480	1810	2131	2472
9	-4.34	-12.50	370	436	530	612
		-13.00	410	465	486	574
		-13.50	377	459	545	635
		-14.00	420	505	586	654
		-14.50	431	518	605	699
		-15.00	439	541	635	696
		-15.50	443	521	623	735
		-16.00	445	542	647	760
		-16.50	462	561	668	784
		-17.00	477	579	689	809
		-17.50	499	604	717	838
		-18.00	513	618	732	854
		-18.50	567	685	814	952
		-19.00	603	749	916	1107
		-19.50	827	1012	1214	1433
		-20.00	879	1068	1273	1494



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c, netto, d}$		[kN]	
			SI 350	SI 400	SI 450	SI 500
9	-4.34	-20.50	930	1126	1341	1577
		-21.00	1136	1383	1654	1946
		-21.50	1300	1580	1880	2204
		-22.00	1384	1677	1992	2326
		-22.50	1420	1734	2056	2394
10	-4.05	-12.50	291	367	453	552
		-13.00	350	438	535	629
		-13.50	407	501	603	714
		-14.00	476	582	698	741
		-14.50	525	563	639	744
		-15.00	455	569	691	806
		-15.50	481	596	722	859
		-16.00	494	607	732	866
		-16.50	552	680	820	971
		-17.00	574	701	841	991
		-17.50	611	753	913	1089
		-18.00	745	899	1072	1257
		-18.50	720	879	1051	1236
		-19.00	713	861	1020	1190
		-19.50	774	938	1113	1301
		-20.00	841	1019	1213	1419
		-20.50	906	1097	1303	1525
		-21.00	1016	1249	1505	1787
		-21.50	1253	1528	1830	2162
11	-4.07	-12.50	280	360	398	444
		-13.00	294	338	389	458
		-13.50	290	353	424	502
		-14.00	330	402	479	561
		-14.50	352	437	517	602
		-15.00	381	478	586	690
		-15.50	590	743	851	1004
		-16.00	595	738	900	1076
		-16.50	622	768	906	1026
		-17.00	638	747	872	1022
		-17.50	625	762	906	1060
		-18.00	640	776	923	1080
		-18.50	658	797	945	1102
		-19.00	699	846	1006	1176
		-19.50	789	965	1156	1365
		-20.00	1166	1461	1791	2131
		-20.50	1310	1607	1931	2232
		-21.00	1381	1643	1895	2160
		-21.50	1363	1613	1914	2242
12	-4.04	-12.50	361	423	527	600
		-13.00	398	474	573	688
		-13.50	430	530	637	753
		-14.00	490	595	710	832
		-14.50	535	668	803	947
		-15.00	611	764	915	973
		-15.50	595	697	836	982
		-16.00	581	718	869	1032
		-16.50	610	731	859	1015
		-17.00	612	747	894	1053
		-17.50	641	781	932	1096
		-18.00	654	792	943	1109
		-18.50	734	892	1063	1247
		-19.00	783	961	1145	1342
		-19.50	852	1050	1263	1467
		-20.00	913	1105	1311	1533
		-20.50	960	1157	1369	1595
		-21.00	1028	1237	1461	1701
		-21.50	1078	1314	1573	1856
		-22.00	1254	1517	1803	2106
		-22.50	1307	1582	1878	2191



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt	$R_{c, netto, d}$ [kN]			
				SI 350	SI 400	SI 450	SI 500
13	-4.03	-12.50		290	358	403	463
		-13.00		288	359	439	526
		-13.50		334	410	491	580
		-14.00		377	458	546	639
		-14.50		433	541	645	755
		-15.00		462	578	708	834
		-15.50		560	699	852	1019
		-16.00		607	752	911	1074
		-16.50		638	784	945	1120
		-17.00		680	831	997	1178
		-17.50		708	867	1035	1217
		-18.00		741	905	1083	1270
		-18.50		797	979	1172	1379
		-19.00		890	1091	1310	1545
		-19.50		927	1131	1353	1593
		-20.00		975	1190	1428	1689
		-20.50		1046	1270	1513	1774
		-21.00		1092	1322	1569	1836
		-21.50		1233	1509	1809	2133
		-22.00		1486	1824	2169	2545
		-22.50		1557	1901	2278	2648
14	-4.04	-12.50		292	359	446	531
		-13.00		344	396	472	564
		-13.50		367	449	538	633
		-14.00		421	512	610	713
		-14.50		441	549	656	775
		-15.00		499	622	757	885
		-15.50		627	784	934	1108
		-16.00		653	802	970	1156
		-16.50		654	803	966	1143
		-17.00		707	867	1042	1231
		-17.50		756	926	1109	1307
		-18.00		780	952	1136	1334
		-18.50		897	1016	846	982
		-19.00		641	759	890	1023
		-19.50		667	787	913	1045
		-20.00		647	754	876	1028
		-20.50		772	918	1083	1243
		-21.00		832	982	1140	1305
		-21.50		869	1021	1180	1346
		-22.00		909	1073	1255	1464
		-22.50		1268	1523	1796	2087
15	-3.79	-12.50		372	423	514	622
		-13.00		394	486	586	696
		-13.50		460	562	673	792
		-14.00		489	607	734	873
		-14.50		554	696	839	979
		-15.00		572	714	871	1033
		-15.50		606	759	932	1127
		-16.00		752	936	1139	1360
		-16.50		847	1050	1234	1304
		-17.00		830	928	1104	1301
		-17.50		785	960	1153	1362
		-18.00		812	987	1177	1382
		-18.50		813	986	1174	1377
		-19.00		879	1059	1257	1474
		-19.50		908	1095	1296	1495
		-20.00		934	1095	1256	1447
		-20.50		917	1096	1287	1490
		-21.00		943	1125	1318	1523
		-21.50		938	1113	1299	1494
		-22.00		1204	1477	1781	2116
		-22.50		1375	1665	1979	2316



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]			
	niveau	niveau	SI 350	SI 400	SI 450	SI 500
16	-3.91	-12.50	315	395	437	495
		-13.00	308	376	454	535
		-13.50	353	431	515	607
		-14.00	397	485	577	674
		-14.50	431	538	644	751
		-15.00	461	578	709	847
		-15.50	595	747	919	1109
		-16.00	682	805	935	1112
		-16.50	665	811	967	1143
		-17.00	658	805	965	1137
		-17.50	678	825	982	1152
		-18.00	717	872	1039	1217
		-18.50	882	1039	1246	1468
		-19.00	899	1093	1307	1513
		-19.50	952	1129	1341	1570
		-20.00	974	1176	1391	1624
		-20.50	1011	1218	1441	1679
		-21.00	1042	1265	1516	1797
		-21.50	1485	1826	2056	2244
		-22.00	1402	1639	1718	1872
		-22.50	1170	1363	1585	1838
17	-4.01	-12.50	345	403	494	588
		-13.00	381	464	562	598
		-13.50	403	477	572	673
		-14.00	446	540	642	751
		-14.50	475	593	706	823
		-15.00	535	668	815	960
		-15.50	628	783	954	1141
		-16.00	700	867	1052	1252
		-16.50	749	927	1126	1347
		-17.00	824	1011	1214	1435
		-17.50	881	1074	1285	1513
		-18.00	926	1127	1342	1573
		-18.50	1036	1272	1521	1763
		-19.00	1038	1271	1523	1786
		-19.50	1113	1363	1635	1929
		-20.00	1138	1388	1660	1953
		-20.50	1179	1435	1713	2012
		-21.00	1379	1731	2118	2535
		-21.50	1572	1925	2311	2729
		-22.00	1642	2017	2429	2875
		-22.50	1686	2068	2486	2939
18	-4.40	-12.50	326	362	431	517
		-13.00	336	416	507	599
		-13.50	393	482	570	608
		-14.00	427	475	544	600
		-14.50	399	479	565	657
		-15.00	412	507	611	709
		-15.50	427	523	628	741
		-16.00	449	550	661	782
		-16.50	510	628	758	901
		-17.00	652	818	1006	1206
		-17.50	795	896	1068	1278
		-18.00	758	932	1118	1317
		-18.50	747	905	1076	1260
		-19.00	750	922	1115	1327
		-19.50	848	1029	1221	1425
		-20.00	854	1029	1217	1416
		-20.50	935	1128	1336	1559
		-21.00	1065	1288	1530	1789
		-21.50	1121	1350	1596	1860
		-22.00	1171	1407	1661	1933
		-22.50	1427	1739	2072	2427



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]			
	niveau	niveau	SI 350	SI 400	SI 450	SI 500
19	-4.20	-12.50	335	423	525	632
		-13.00	385	475	573	625
		-13.50	434	506	604	711
		-14.00	471	573	682	797
		-14.50	497	620	738	858
		-15.00	529	671	821	943
		-15.50	568	669	809	962
		-16.00	569	700	844	999
		-16.50	595	728	874	1032
		-17.00	620	761	914	1081
		-17.50	953	1185	1441	1672
		-18.00	1028	1201	1400	1663
		-18.50	970	1188	1433	1652
		-19.00	947	1135	1344	1582
		-19.50	910	1096	1298	1520
		-20.00	1016	1228	1455	1699
		-20.50	1005	1222	1456	1707
		-21.00	1184	1439	1716	2010
		-21.50	1231	1491	1772	2073
		-22.00	1432	1751	2091	2334
		-22.50	1465	1736	2016	2340

Technosoft Paalfunderingen release 6.71a

22 dec 2022

OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
1 - Ontgraven tot	-8.36	-12.50	281	356	408	479
		-13.00	320	388	468	556
		-13.50	369	449	536	630
		-14.00	412	497	527	603
		-14.50	400	482	563	651
		-15.00	415	511	610	706
		-15.50	432	528	632	741
		-16.00	447	543	649	763
		-16.50	513	629	756	894
		-17.00	576	707	851	1008
		-17.50	654	787	936	1101
		-18.00	675	810	954	1117
		-18.50	680	819	968	1127
		-19.00	719	864	1019	1182
		-19.50	742	892	1050	1219
		-20.00	833	1009	1198	1394
		-20.50	857	1036	1230	1444
		-21.00	1077	1312	1566	1841
		-21.50	1142	1385	1651	1943
		-22.00	1271	1539	1829	2139
		-22.50	1372	1672	1983	2317
2 - Ontgraven tot	-8.36	-12.50	247	297	346	410
		-13.00	274	333	392	452
		-13.50	304	366	435	511
		-14.00	341	411	486	565
		-14.50	374	454	534	619
		-15.00	401	503	610	703
		-15.50	434	534	644	760
		-16.00	455	560	675	800
		-16.50	475	581	697	823
		-17.00	495	606	727	858
		-17.50	573	703	844	997
		-18.00	596	726	867	1019
		-18.50	668	814	973	1145
		-19.00	708	860	1025	1202
		-19.50	747	905	1076	1259
		-20.00	775	944	1118	1304
		-20.50	812	981	1158	1348
		-21.00	1043	1285	1556	1854



2 - Ontgraven tot -8.36	-21.50	1152	1400	1676	1973
	-22.00	1203	1464	1747	2048
	-22.50	1269	1538	1828	2141
3 - Ontgraven tot -8.36	-12.50	288	352	414	476
	-13.00	318	374	421	487
	-13.50	322	387	452	527
	-14.00	355	426	500	580
	-14.50	384	466	548	633
	-15.00	402	496	594	685
	-15.50	421	517	622	733
	-16.00	447	549	659	779
	-16.50	462	564	676	798
	-17.00	500	614	740	879
	-17.50	621	732	846	985
	-18.00	606	736	872	975
	-18.50	609	712	826	960
	-19.00	595	715	842	979
	-19.50	616	738	868	1007
	-20.00	626	747	876	1013
	-20.50	778	943	1121	1315
	-21.00	986	1187	1413	1662
	-21.50	1050	1274	1515	1776
	-22.00	1116	1346	1595	1860
	-22.50	1181	1430	1704	1976
4 - Ontgraven tot -8.36	-12.50	271	341	418	503
	-13.00	326	402	485	575
	-13.50	384	471	562	661
	-14.00	465	564	669	784
	-14.50	519	635	753	877
	-15.00	566	697	834	971
	-15.50	596	744	910	1095
	-16.00	670	835	1014	1207
	-16.50	667	821	957	1051
	-17.00	654	767	915	1075
	-17.50	654	795	946	1112
	-18.00	652	784	926	1077
	-18.50	661	792	933	1085
	-19.00	755	910	1078	1257
	-19.50	818	986	1167	1361
	-20.00	884	1091	1323	1569
	-20.50	1071	1303	1549	1796
	-21.00	1147	1371	1619	1890
	-21.50	1189	1433	1693	1969
	-22.00	1217	1461	1717	1987
	-22.50	1280	1546	1830	2125



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	R _{c; netto; d} [kN]			
			SI 350 o	SI 400 o	SI 450 o	SI 500 o
5 - Ontgraven tot	-8.36	-12.50	289	367	445	491
		-13.00	330	371	421	478
		-13.50	324	385	454	531
		-14.00	354	426	503	585
		-14.50	376	459	538	621
		-15.00	394	484	579	670
		-15.50	463	571	690	817
		-16.00	492	604	725	857
		-16.50	508	619	739	870
		-17.00	565	680	801	931
		-17.50	578	696	824	961
		-18.00	599	722	854	995
		-18.50	619	746	880	1023
		-19.00	639	770	911	1059
		-19.50	667	803	949	1106
		-20.00	752	910	1083	1271
		-20.50	867	1065	1289	1538
		-21.00	1164	1426	1716	1957
		-21.50	1248	1475	1750	2057
		-22.00	1275	1544	1835	2147
6 - Ontgraven tot	-8.36	-12.50	293	350	428	514
		-13.00	335	377	416	483
		-13.50	322	387	461	542
		-14.00	362	437	516	601
		-14.50	387	471	552	638
		-15.00	419	521	629	736
		-15.50	482	581	696	821
		-16.00	497	609	731	863
		-16.50	524	639	763	898
		-17.00	541	656	781	915
		-17.50	597	726	869	1026
		-18.00	649	788	938	1099
		-18.50	708	863	1033	1215
		-19.00	781	949	1130	1325
		-19.50	829	1003	1191	1393
		-20.00	1049	1283	1538	1813
		-20.50	1121	1367	1631	1916
		-21.00	1218	1486	1731	2027
		-21.50	1267	1540	1834	2147
		-22.00	1332	1616	1921	2246
7 - Ontgraven tot	-8.36	-12.50	298	378	464	558
		-13.00	365	451	546	624
		-13.50	419	490	554	645
		-14.00	430	517	611	714
		-14.50	463	565	667	774
		-15.00	483	582	667	774
		-15.50	483	593	713	842
		-16.00	503	592	694	817
		-16.50	492	595	706	826
		-17.00	516	623	735	858
		-17.50	523	631	752	885
		-18.00	567	682	806	939
		-18.50	585	702	827	960
		-19.00	605	732	873	1028
		-19.50	748	904	1073	1256
		-20.00	773	931	1101	1282
		-20.50	785	939	1103	1278
		-21.00	967	1195	1447	1719
		-21.50	1115	1353	1613	1896
		-22.00	1266	1532		



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	R _{c; netto; d} [kN]			
			SI 350 o	SI 400 o	SI 450 o	SI 500 o
8 - Ontgraven tot	-8.36	-12.50	252	319	376	430
		-13.00	294	348	411	465
		-13.50	313	366	420	470
		-14.00	324	377	438	507
		-14.50	334	407	478	552
		-15.00	349	427	512	591
		-15.50	361	442	531	627
		-16.00	390	479	576	679
		-16.50	416	494	569	659
		-17.00	410	487	576	673
		-17.50	418	503	594	691
		-18.00	429	515	607	705
		-18.50	443	532	628	730
		-19.00	479	576	681	793
		-19.50	580	711	856	1015
		-20.00	735	896	1070	1261
		-20.50	885	1082	1297	1529
		-21.00	1039	1265	1511	1776
		-21.50	1135	1375	1635	1914
		-22.00	1190	1435	1697	1976
9 - Ontgraven tot	-8.36	-12.50	295	353	429	498
		-13.00	338	389	415	487
		-13.50	326	394	466	542
		-14.00	364	436	508	570
		-14.50	382	455	530	611
		-15.00	390	478	560	615
		-15.50	395	465	554	651
		-16.00	397	482	574	673
		-16.50	412	499	592	693
		-17.00	425	514	610	714
		-17.50	445	537	636	742
		-18.00	457	550	650	757
		-18.50	506	610	723	844
		-19.00	538	666	813	981
		-19.50	740	905	1084	1278
		-20.00	793	962	1145	1342
		-20.50	843	1019	1212	1423
		-21.00	1031	1253	1497	1760
		-21.50	1187	1441	1713	1999
		-22.00	1269	1536	1822	2125
10 - Ontgraven tot	-8.36	-12.50	237	295	361	435
		-13.00	287	355	429	509
		-13.50	334	406	485	569
		-14.00	386	468	558	625
		-14.50	442	485	551	638
		-15.00	407	502	600	696
		-15.50	429	527	634	744
		-16.00	440	537	643	757
		-16.50	491	600	719	848
		-17.00	511	621	741	869
		-17.50	543	666	802	952
		-18.00	661	795	944	1104
		-18.50	646	785	935	1095
		-19.00	644	773	912	1060
		-19.50	697	842	994	1158
		-20.00	756	913	1084	1264
		-20.50	816	985	1167	1362
		-21.00	914	1120	1346	1595
		-21.50	1127	1371	1639	1933
		-22.00	1295	1530	1773	2079
		-22.50	1304	1584	1881	2201



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	R _{c; netto; d} [kN]			
			SI 350 o	SI 400 o	SI 450 o	SI 500 o
11 - Ontgraven tot -8.36	-12.50		228	293	330	372
	-13.00		254	295	340	397
	-13.50		266	320	380	446
	-14.00		298	358	423	492
	-14.50		318	387	454	525
	-15.00		343	425	511	597
	-15.50		516	644	740	865
	-16.00		526	648	785	933
	-16.50		552	675	799	903
	-17.00		572	668	777	908
	-17.50		566	685	812	945
	-18.00		586	706	834	971
	-18.50		601	725	855	993
	-19.00		637	769	910	1060
	-19.50		716	871	1041	1226
	-20.00		1045	1306	1596	1907
	-20.50		1182	1450	1740	2012
	-21.00		1256	1493	1722	1962
	-21.50		1249	1477	1749	2046
	-22.00		1286	1550	1833	2135
	-22.50		1342	1615	1904	2210
12 - Ontgraven tot -8.36	-12.50		278	335	413	475
	-13.00		320	383	461	550
	-13.50		354	432	516	607
	-14.00		402	485	575	670
	-14.50		442	544	649	762
	-15.00		515	636	756	823
	-15.50		525	616	733	852
	-16.00		518	636	765	902
	-16.50		542	652	764	900
	-17.00		549	667	795	933
	-17.50		574	696	827	969
	-18.00		585	706	838	982
	-18.50		653	791	940	1100
	-19.00		698	853	1015	1186
	-19.50		760	934	1122	1313
	-20.00		819	988	1170	1364
	-20.50		863	1037	1224	1424
	-21.00		925	1110	1309	1521
	-21.50		973	1183	1413	1663
	-22.00		1136	1371	1626	1896
	-22.50		1189	1436	1701	1982
13 - Ontgraven tot -8.36	-12.50		237	291	331	381
	-13.00		251	309	371	439
	-13.50		289	350	415	486
	-14.00		322	388	458	532
	-14.50		371	456	539	627
	-15.00		395	489	590	691
	-15.50		479	593	718	851
	-16.00		522	642	773	915
	-16.50		554	676	811	957
	-17.00		598	726	867	1018
	-17.50		629	764	908	1062
	-18.00		658	799	951	1110
	-18.50		708	866	1030	1207
	-19.00		790	966	1156	1358
	-19.50		826	1004	1198	1407
	-20.00		870	1058	1266	1493
	-20.50		937	1134	1347	1577
	-21.00		980	1183	1402	1636
	-21.50		1108	1352	1617	1903
	-22.00		1340	1641	1964	2285
	-22.50		1412	1720	2057	2392



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c; netto; d} [kN]			
			SI 350 o	SI 400 o	SI 450 o	SI 500 o
14 - Ontgraven tot -8.36	-12.50		239	293	360	426
	-13.00		284	334	396	468
	-13.50		313	380	451	528
	-14.00		353	426	503	585
	-14.50		373	457	542	636
	-15.00		421	520	626	728
	-15.50		528	656	797	921
	-16.00		556	679	818	970
	-16.50		561	684	819	964
	-17.00		612	746	891	1048
	-17.50		652	796	954	1120
	-18.00		682	828	984	1150
	-18.50		787	897	753	873
	-19.00		575	680	796	914
	-19.50		600	707	819	936
	-20.00		584	680	788	923
	-20.50		692	823	971	1114
	-21.00		749	883	1024	1172
	-21.50		785	922	1064	1213
	-22.00		821	968	1131	1318
	-22.50		1140	1368	1612	1872
15 - Ontgraven tot -8.36	-12.50		286	338	406	483
	-13.00		321	391	468	551
	-13.50		370	448	533	623
	-14.00		400	489	587	694
	-14.50		461	572	681	791
	-15.00		484	598	722	845
	-15.50		512	635	773	928
	-16.00		632	781	943	1121
	-16.50		715	881	1040	1112
	-17.00		715	807	956	1123
	-17.50		688	838	1004	1180
	-18.00		714	864	1028	1202
	-18.50		716	865	1027	1201
	-19.00		776	934	1106	1294
	-19.50		803	965	1140	1326
	-20.00		832	978	1121	1293
	-20.50		822	981	1151	1331
	-21.00		847	1009	1181	1363
	-21.50		846	1002	1168	1342
	-22.00		1078	1319	1588	1884
	-22.50		1229	1486	1763	2060
16 - Ontgraven tot -8.36	-12.50		256	319	359	408
	-13.00		269	325	389	455
	-13.50		306	370	439	513
	-14.00		338	408	481	558
	-14.50		372	456	540	626
	-15.00		396	492	596	703
	-15.50		504	627	766	917
	-16.00		577	687	797	943
	-16.50		575	697	828	974
	-17.00		573	697	831	975
	-17.50		592	715	848	989
	-18.00		627	758	899	1048
	-18.50		766	906	1083	1272
	-19.00		788	954	1138	1319
	-19.50		833	989	1173	1372
	-20.00		856	1032	1219	1421
	-20.50		893	1074	1268	1475
	-21.00		925	1121	1340	1586
	-21.50		1317	1617	1826	1992
	-22.00		1255	1466	1543	1682
	-22.50		1059	1233	1433	1662



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	R _{c; netto; d} [kN]			
			SI 350 o	SI 400 o	SI 450 o	SI 500 o
17 - Ontgraven tot	-8.36	-12.50	274	324	394	468
		-13.00	310	378	455	499
		-13.50	341	404	480	562
		-14.00	377	455	536	623
		-14.50	404	498	588	682
		-15.00	453	562	680	794
		-15.50	530	657	797	949
		-16.00	594	733	884	1049
		-16.50	638	786	951	1133
		-17.00	711	869	1040	1225
		-17.50	763	927	1105	1297
		-18.00	804	975	1157	1352
		-18.50	903	1105	1318	1533
		-19.00	906	1107	1323	1548
		-19.50	977	1194	1431	1686
		-20.00	1000	1218	1455	1711
		-20.50	1037	1261	1503	1765
		-21.00	1213	1521	1860	2224
		-21.50	1391	1703	2043	2411
		-22.00	1489	1819	2179	2570
		-22.50	1608	1979	2386	2827
18 - Ontgraven tot	-8.36	-12.50	268	304	361	431
		-13.00	286	351	424	502
		-13.50	334	406	483	526
		-14.00	367	414	475	526
		-14.50	354	422	495	574
		-15.00	365	448	535	618
		-15.50	378	461	551	647
		-16.00	396	483	579	683
		-16.50	449	550	662	785
		-17.00	570	714	876	1056
		-17.50	703	793	945	1129
		-18.00	681	834	998	1176
		-18.50	678	819	971	1135
		-19.00	685	840	1012	1201
		-19.50	777	941	1113	1297
		-20.00	786	945	1115	1294
		-20.50	861	1037	1226	1427
		-21.00	981	1185	1405	1641
		-21.50	1033	1243	1467	1707
		-22.00	1081	1297	1529	1778
		-22.50	1316	1602	1907	2231
19 - Ontgraven tot	-8.36	-12.50	273	341	415	496
		-13.00	316	386	462	526
		-13.50	356	428	508	595
		-14.00	398	481	569	663
		-14.50	428	526	622	720
		-15.00	455	572	701	806
		-15.50	495	591	711	842
		-16.00	505	619	742	876
		-16.50	527	642	768	904
		-17.00	548	670	802	946
		-17.50	833	1033	1253	1462
		-18.00	911	1063	1238	1467
		-18.50	869	1062	1279	1472
		-19.00	858	1027	1213	1424
		-19.50	831	998	1178	1376
		-20.00	928	1118	1322	1540
		-20.50	923	1120	1330	1556
		-21.00	1087	1318	1569	1833
		-21.50	1135	1371	1626	1899
		-22.00	1320	1611	1924	2149
		-22.50	1359	1609	1866	2163



A3 Avegaarpalen

Technosoft Paalfunderingen release 6.71
aug 2022

31

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

		maaiveld	paalpunt	$R_{c, netto; d}$	[kN]			
sondering		niveau	niveau	350	400	450	500	550
1	-4.24	-12.50		249	306	355	422	249
		-13.00		240	302	376	467	240
		-13.50		259	329	406	497	259
		-14.00		272	341	382	447	272
		-14.50		269	330	395	467	269
		-15.00		275	342	414	492	275
		-15.50		283	348	418	495	283
		-16.00		293	358	429	507	293
		-16.50		357	441	535	636	357
		-17.00		406	503	611	730	406
		-17.50		470	567	676	800	470
		-18.00		472	568	669	788	472
		-18.50		459	556	660	772	459
		-19.00		484	585	691	806	484
		-19.50		495	595	703	821	495
		-20.00		575	697	829	970	575
		-20.50		579	701	834	982	579
		-21.00		770	944	1133	1338	770
		-21.50		786	960	1153	1369	786
		-22.00		861	1052	1260	1486	861
		-22.50		907	1121	1343	1583	907
2	-4.31	-12.50		205	243	289	351	205
		-13.00		196	247	299	354	196
		-13.50		201	252	311	376	201
		-14.00		216	271	332	398	216
		-14.50		232	292	355	424	232
		-15.00		254	325	400	472	254
		-15.50		278	343	417	498	278
		-16.00		293	363	440	523	293
		-16.50		307	377	454	538	307
		-17.00		322	395	476	564	322
		-17.50		393	484	585	694	393
		-18.00		399	488	586	691	399
		-18.50		455	558	671	793	455
		-19.00		478	584	699	824	478
		-19.50		498	607	725	852	498
		-20.00		507	623	741	869	507
		-20.50		528	639	757	885	528
		-21.00		740	922	1127	1355	740
		-21.50		800	977	1179	1397	800
		-22.00		808	990	1189	1404	808
		-22.50		829	1013	1214	1431	829
3	-4.03	-12.50		246	308	369	430	246
		-13.00		236	287	333	394	236
		-13.50		217	270	326	391	217
		-14.00		228	284	343	409	228
		-14.50		239	300	365	435	239
		-15.00		255	319	387	460	255
		-15.50		269	334	405	482	269
		-16.00		291	359	434	516	291
		-16.50		300	369	445	527	300
		-17.00		335	415	504	604	335
		-17.50		446	521	595	695	446
		-18.00		422	514	609	687	422
		-18.50		420	497	579	675	420
		-19.00		412	496	585	681	412



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	350	400	450	500	550
3	-4.03	-19.50	428	513	605	702	428
		-20.00	431	515	604	699	431
		-20.50	581	708	847	999	581
		-21.00	750	908	1087	1288	750
		-21.50	761	934	1122	1327	761
		-22.00	774	946	1133	1336	774
		-22.50	787	969	1174	1370	787
4	-4.21	-12.50	221	293	373	460	221
		-13.00	240	311	390	478	240
		-13.50	266	341	424	515	266
		-14.00	310	384	472	569	310
		-14.50	326	414	508	611	326
		-15.00	352	443	544	653	352
		-15.50	369	467	585	728	369
		-16.00	460	579	707	848	460
		-16.50	441	546	650	733	441
		-17.00	430	527	632	746	430
		-17.50	445	544	650	768	445
		-18.00	429	517	612	714	429
		-18.50	430	516	609	710	430
		-19.00	517	626	745	872	517
		-19.50	561	680	809	948	561
		-20.00	604	758	935	1123	604
		-20.50	753	927	1108	1291	753
5	-4.10	-21.00	784	944	1124	1323	784
		-21.50	783	956	1142	1341	783
		-22.00	774	936	1111	1298	774
		-22.50	805	980	1170	1374	805
		-12.50	249	328	401	440	249
		-13.00	248	288	335	389	248
		-13.50	229	281	340	410	229
		-14.00	236	296	362	433	236
		-14.50	243	303	367	435	243
		-15.00	257	319	387	460	257
		-15.50	323	403	483	578	323
		-16.00	340	420	509	606	340
		-16.50	340	417	501	594	340
		-17.00	385	465	550	641	385
		-17.50	387	468	556	651	387
		-18.00	394	478	568	664	394
		-18.50	408	493	583	681	408
		-19.00	424	511	604	705	424
		-19.50	446	537	635	740	446
		-20.00	525	637	761	897	525
		-20.50	617	766	938	1132	617
		-21.00	864	1071	1301	1475	864
		-21.50	880	1050	1256	1491	880
		-22.00	856	1052	1265	1497	856
		-22.50	878	1075	1289	1522	878



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	350	400	450	500	550
6	-4.28	-12.50	249	301	380	465	249
		-13.00	251	288	327	389	251
		-13.50	222	276	339	411	222
		-14.00	240	301	368	440	240
		-14.50	245	307	372	441	245
		-15.00	274	345	426	515	274
		-15.50	324	390	469	559	324
		-16.00	326	404	491	583	326
		-16.50	343	421	506	599	343
		-17.00	351	427	511	602	351
		-17.50	399	488	589	701	399
		-18.00	436	532	637	750	436
		-18.50	479	588	709	841	479
		-19.00	531	649	777	916	531
		-19.50	557	679	811	953	557
		-20.00	755	932	1127	1340	755
		-20.50	775	953	1149	1362	775
		-21.00	820	1007	1179	1393	820
		-21.50	831	1017	1220	1440	831
		-22.00	854	1043	1248	1470	854
		-22.50	849	1031	1228	1439	849
7	-4.33	-12.50	253	331	420	519	253
		-13.00	281	362	450	511	281
		-13.50	295	355	414	492	295
		-14.00	287	357	434	521	287
		-14.50	296	371	453	540	296
		-15.00	307	381	460	547	307
		-15.50	331	410	496	591	331
		-16.00	344	406	480	568	344
		-16.50	329	399	476	558	329
		-17.00	348	423	499	584	348
		-17.50	350	424	509	604	350
		-18.00	387	468	555	648	387
		-18.50	398	478	565	657	398
		-19.00	411	501	603	716	411
		-19.50	540	655	783	921	540
		-20.00	543	658	782	916	543
		-20.50	534	641	757	881	534
		-21.00	694	872	1072	1289	694
		-21.50	785	964	1163	1382	785
		-22.00	868	1065			868
8	-4.35	-12.50	214	265	318	369	214
		-13.00	215	263	318	369	215
		-13.50	208	253	299	345	208
		-14.00	208	252	302	357	208
		-14.50	213	265	321	381	213
		-15.00	224	278	337	400	224
		-15.50	233	288	349	416	233
		-16.00	259	321	390	457	259
		-16.50	278	333	390	454	278
		-17.00	276	332	394	463	276
		-17.50	282	341	405	474	282
		-18.00	290	350	414	482	290
		-18.50	301	363	430	503	301
		-19.00	331	401	477	559	331
		-19.50	423	525	640	767	423
		-20.00	543	671	810	964	543
		-20.50	644	800	972	1160	644
		-21.00	730	905	1097	1307	730
		-21.50	761	940	1137	1352	761
		-22.00	755	927	1116	1321	755
		-22.50	882	1077	1284	1509	882



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$	[kN]				
				350	400	450	500	550
9	-4.34	-12.50	254	303	377	442	254	
		-13.00	252	297	327	393	252	
		-13.50	228	285	346	412	228	
		-14.00	241	298	354	407	241	
		-14.50	245	299	358	422	245	
		-15.00	252	311	370	423	252	
		-15.50	258	310	372	440	258	
		-16.00	264	323	386	455	264	
		-16.50	275	335	400	470	275	
		-17.00	284	346	413	486	284	
		-17.50	300	364	432	506	300	
		-18.00	308	372	440	514	308	
		-18.50	352	426	508	595	352	
		-19.00	375	472	586	720	375	
		-19.50	549	678	820	975	549	
		-20.00	559	687	826	978	559	
		-20.50	569	697	841	1000	569	
		-21.00	709	877	1063	1267	709	
		-21.50	800	987	1192	1415	800	
		-22.00	822	1011	1217	1441	822	
		-22.50	821	1005	1205	1420	821	
10	-4.05	-12.50	192	250	316	395	192	
		-13.00	209	273	345	419	209	
		-13.50	225	289	360	438	225	
		-14.00	252	321	400	456	252	
		-14.50	280	322	380	453	280	
		-15.00	258	325	398	476	258	
		-15.50	273	340	413	493	273	
		-16.00	277	342	412	489	277	
		-16.50	323	399	483	573	323	
		-17.00	332	406	488	576	332	
		-17.50	356	443	541	651	356	
		-18.00	467	562	671	788	467	
		-18.50	433	532	638	753	433	
		-19.00	417	503	597	697	417	
		-19.50	464	563	669	783	464	
		-20.00	510	619	738	866	510	
		-20.50	550	668	795	932	550	
		-21.00	629	781	950	1138	629	
		-21.50	796	980	1183	1409	796	
		-22.00	898	1069	1247	1476	898	
		-22.50	870	1072	1289	1524	870	
11	-4.07	-12.50	192	255	282	320	192	
		-13.00	181	217	257	308	181	
		-13.50	168	211	260	317	168	
		-14.00	182	230	283	340	182	
		-14.50	189	239	291	348	189	
		-15.00	210	267	331	402	210	
		-15.50	384	488	551	650	384	
		-16.00	369	461	567	683	369	
		-16.50	372	463	551	628	372	
		-17.00	379	449	527	619	379	
		-17.50	373	457	544	637	373	
		-18.00	377	458	545	640	377	
		-18.50	386	466	553	646	386	
		-19.00	417	504	599	700	417	
		-19.50	490	601	723	857	490	
		-20.00	795	1009	1250	1497	795	
		-20.50	855	1060	1287	1494	855	
		-21.00	855	1032	1206	1387	855	
		-21.50	816	981	1177	1393	816	
		-22.00	812	993	1191	1406	812	
		-22.50	819	999	1193	1404	819	



Netto paaldraagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$	[kN]				
	niveau	niveau		350	400	450	500	550
12	-4.04	-12.50	250	297	379	436	250	
		-13.00	247	304	378	465	247	
		-13.50	245	314	390	474	245	
		-14.00	265	333	411	495	265	
		-14.50	284	363	452	552	284	
		-15.00	337	425	512	571	337	
		-15.50	329	394	474	560	329	
		-16.00	332	410	497	591	332	
		-16.50	349	424	501	592	349	
		-17.00	357	436	521	614	357	
		-17.50	378	460	549	646	378	
		-18.00	382	462	550	647	382	
		-18.50	445	542	646	759	445	
		-19.00	476	589	704	826	476	
		-19.50	521	649	788	914	521	
		-20.00	555	674	803	942	555	
		-20.50	574	695	825	965	574	
		-21.00	611	739	878	1026	611	
		-21.50	637	782	948	1131	637	
		-22.00	768	931	1112	1307	768	
		-22.50	786	954	1136	1332	786	
13	-4.03	-12.50	189	241	279	329	189	
		-13.00	174	226	285	350	174	
		-13.50	190	243	300	364	190	
		-14.00	206	261	321	385	206	
		-14.50	244	309	380	456	244	
		-15.00	258	325	403	488	258	
		-15.50	331	416	511	615	331	
		-16.00	353	442	539	639	353	
		-16.50	361	449	546	653	361	
		-17.00	389	478	579	687	389	
		-17.50	400	491	591	699	400	
		-18.00	418	511	613	723	418	
		-18.50	460	564	676	797	460	
		-19.00	529	649	779	920	529	
		-19.50	545	665	795	936	545	
		-20.00	570	697	838	996	570	
		-20.50	613	745	889	1043	613	
		-21.00	633	767	912	1068	633	
		-21.50	739	910	1097	1302	739	
		-22.00	928	1143	1363	1606	928	
		-22.50	944	1158	1393	1623	944	
14	-4.04	-12.50	190	241	308	374	190	
		-13.00	207	248	304	372	207	
		-13.50	209	265	327	396	209	
		-14.00	233	293	360	432	233	
		-14.50	236	299	370	452	236	
		-15.00	280	350	428	514	280	
		-15.50	382	481	570	677	382	
		-16.00	390	479	582	696	390	
		-16.50	374	461	557	662	374	
		-17.00	411	506	610	724	411	
		-17.50	433	535	652	776	433	
		-18.00	454	554	663	781	454	
		-18.50	547	618	594	698	547	
		-19.00	437	524	621	721	437	
		-19.50	451	537	629	726	451	
		-20.00	424	497	584	697	424	
		-20.50	522	629	753	872	522	
		-21.00	554	661	775	895	554	
		-21.50	564	669	781	898	564	
		-22.00	578	690	819	972	578	
		-22.50	858	1046	1250	1470	858	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$	[kN]				
				350	400	450	500	550
15	-3.79	-12.50		228	271	339	422	228
		-13.00		227	291	363	442	227
		-13.50		255	324	401	485	255
		-14.00		255	330	417	514	255
		-14.50		303	383	471	566	303
		-15.00		311	389	475	570	311
		-15.50		332	418	518	631	332
		-16.00		445	556	680	815	445
		-16.50		504	628	736	783	504
		-17.00		487	560	663	780	487
		-17.50		471	576	694	820	471
		-18.00		485	589	702	824	485
		-18.50		477	578	688	807	477
		-19.00		531	639	758	889	531
		-19.50		546	657	776	904	546
		-20.00		566	676	781	900	566
		-20.50		571	683	802	929	571
		-21.00		587	700	820	948	587
		-21.50		575	682	794	912	575
		-22.00		805	997	1213	1454	805
		-22.50		906	1106	1324	1560	906
16	-3.91	-12.50		202	262	299	347	202
		-13.00		182	231	288	347	182
		-13.50		199	252	311	376	199
		-14.00		217	274	336	402	217
		-14.50		237	299	367	440	237
		-15.00		256	324	402	491	256
		-15.50		359	456	566	689	359
		-16.00		408	494	573	683	408
		-16.50		403	492	586	694	403
		-17.00		385	473	568	671	385
		-17.50		392	477	568	667	392
		-18.00		420	510	608	712	420
		-18.50		556	647	777	917	556
		-19.00		552	672	806	931	552
		-19.50		579	687	817	958	579
		-20.00		586	709	839	981	586
		-20.50		604	729	864	1008	604
		-21.00		617	753	911	1091	617
		-21.50		978	1209	1349	1455	978
		-22.00		889	1037	1126	1255	889
		-22.50		767	896	1041	1211	767
17	-4.01	-12.50		221	266	336	409	221
		-13.00		226	284	356	394	226
		-13.50		230	283	349	422	230
		-14.00		248	310	379	454	248
		-14.50		263	331	404	483	263
		-15.00		310	388	475	570	310
		-15.50		379	475	581	698	379
		-16.00		418	522	636	762	418
		-16.50		437	546	671	810	437
		-17.00		482	596	721	857	482
		-17.50		507	624	752	892	507
		-18.00		525	643	772	910	525
		-18.50		609	748	899	1051	609
		-19.00		599	730	872	1026	599
		-19.50		660	810	969	1141	660
		-20.00		676	822	980	1150	676
		-20.50		703	853	1015	1189	703
		-21.00		866	1099	1356	1631	866
		-21.50		988	1215	1463	1733	988
		-22.00		1020	1255	1515	1798	1020
		-22.50		1115	1375	1654	1956	1115



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$ [kN]				
			350	400	450	500	550
18	-4.40	-12.50	220	251	306	374	220
		-13.00	209	268	336	405	209
		-13.50	230	292	354	394	230
		-14.00	239	285	337	384	239
		-14.50	235	287	345	410	235
		-15.00	243	300	364	431	243
		-15.50	250	308	370	437	250
		-16.00	265	326	394	467	265
		-16.50	313	387	470	563	313
		-17.00	423	538	671	819	423
		-17.50	528	599	717	865	528
		-18.00	496	616	743	880	496
		-18.50	473	576	689	810	473
		-19.00	463	577	707	852	463
		-19.50	538	655	780	916	538
		-20.00	529	638	756	882	529
		-20.50	587	710	844	986	587
		-21.00	677	824	983	1155	677
		-21.50	694	841	1000	1171	694
		-22.00	707	855	1016	1190	707
		-22.50	904	1110	1334	1576	904
19	-4.20	-12.50	215	282	360	443	215
		-13.00	227	290	361	409	227
		-13.50	240	302	371	447	240
		-14.00	264	332	406	486	264
		-14.50	276	346	422	502	276
		-15.00	297	381	469	547	297
		-15.50	323	386	467	557	323
		-16.00	330	406	489	579	330
		-16.50	345	423	507	598	345
		-17.00	362	444	534	632	362
		-17.50	642	803	982	1140	642
		-18.00	683	797	930	1109	683
		-18.50	627	772	937	1075	627
		-19.00	590	705	836	988	590
		-19.50	540	651	773	909	540
		-20.00	618	750	892	1045	618
		-20.50	598	727	871	1029	598
		-21.00	740	900	1074	1262	740
		-21.50	756	917	1091	1278	756
		-22.00	909	1119	1342	1472	909
		-22.50	901	1069	1240	1439	901



Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN DRUKPALEN

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{c; netto; d} [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
1 - Ontgraven tot	-8.36	-12.50	209	270	313	372	
		-13.00	222	274	336	405	480
		-13.50	241	300	365	436	476
		-14.00	255	315	358	416	476
		-14.50	259	315	373	436	508
		-15.00	266	327	393	462	534
		-15.50	274	334	399	469	542
		-16.00	283	343	409	480	557
		-16.50	336	413	498	589	688
		-17.00	379	466	563	670	786
		-17.50	437	525	626	738	839
		-18.00	441	529	623	730	847
		-18.50	431	520	616	718	828
		-19.00	453	546	646	751	864
		-19.50	464	556	656	765	884
		-20.00	536	648	769	899	1038
		-20.50	543	655	778	914	1070
		-21.00	715	874	1047	1235	1436
		-21.50	732	892	1070	1268	1489
		-22.00	804	981	1173	1381	1604
		-22.50	850	1048	1253	1474	1712
2 - Ontgraven tot	-8.36	-12.50	186	226	266	319	
		-13.00	190	236	282	331	388
		-13.50	201	246	298	355	417
		-14.00	215	265	318	376	439
		-14.50	229	283	339	399	463
		-15.00	247	311	385	450	523
		-15.50	271	332	400	475	552
		-16.00	284	349	419	496	578
		-16.50	295	360	431	508	590
		-17.00	308	376	451	531	619
		-17.50	371	454	546	645	752
		-18.00	379	461	551	648	751
		-18.50	432	527	631	743	864
		-19.00	452	550	657	771	895
		-19.50	474	575	684	802	928
		-20.00	483	592	703	821	945
		-20.50	505	608	719	838	969
		-21.00	694	861	1049	1261	1477
		-21.50	754	919	1106	1308	1525
		-22.00	765	935	1120	1320	1535
		-22.50	788	960	1147	1348	1565
3 - Ontgraven tot	-8.36	-12.50	216	267	318	369	
		-13.00	219	264	305	358	413
		-13.50	213	261	311	367	426
		-14.00	226	276	329	387	450
		-14.50	237	292	349	410	474
		-15.00	248	306	370	433	500
		-15.50	261	320	384	454	525
		-16.00	280	343	411	485	565
		-16.50	288	351	420	495	575
		-17.00	317	390	471	560	659
		-17.50	413	483	555	644	750
		-18.00	395	479	566	639	724
		-18.50	394	465	542	630	726
		-19.00	387	465	547	635	728
		-19.50	401	480	564	653	748
		-20.00	404	481	564	651	745
		-20.50	534	650	775	912	1064
		-21.00	686	830	992	1174	1370



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$ 350 o	[kN]				
				400 o	450 o	500 o	550 o	
3 - Ontgraven tot	-8.36	-21.50	700	857	1028	1214	1413	
		-22.00	716	873	1043	1227	1425	
		-22.50	731	898	1085	1270	1453	
4 - Ontgraven tot	-8.36	-12.50	203	259	322	392		
		-13.00	223	281	345	416		493
		-13.50	247	311	379	453		535
		-14.00	290	360	437	521		612
		-14.50	311	389	471	560		656
		-15.00	334	415	505	600		700
		-15.50	350	438	542	667		814
		-16.00	431	538	653	778		901
		-16.50	420	515	615	694		790
		-17.00	413	505	603	708		821
		-17.50	429	522	621	731		847
		-18.00	419	503	593	689		791
		-18.50	421	503	592	687		790
		-19.00	498	600	711	830		956
		-19.50	539	650	771	900		1038
		-20.00	579	722	885	1059		1239
		-20.50	714	875	1048	1219		1416
		-21.00	748	899	1067	1253		1457
		-21.50	752	914	1088	1274		1474
		-22.00	747	900	1065	1241		1429
		-22.50	778	944	1122	1314		1519
5 - Ontgraven tot	-8.36	-12.50	217	281	345	380		
		-13.00	228	264	307	354		411
		-13.50	220	266	317	376		440
		-14.00	230	282	338	399		464
		-14.50	236	291	347	406		469
		-15.00	248	304	366	429		497
		-15.50	304	376	454	539		622
		-16.00	320	392	472	558		651
		-16.50	323	393	470	553		643
		-17.00	363	438	516	600		691
		-17.50	369	444	525	613		707
		-18.00	377	455	539	628		723
		-18.50	389	468	552	642		737
		-19.00	403	484	570	663		762
		-19.50	423	507	598	695		799
		-20.00	491	594	707	832		969
		-20.50	572	708	863	1039		1239
		-21.00	792	979	1186	1354		1568
		-21.50	815	972	1160	1375		1605
		-22.00	798	978	1174	1386		1614
		-22.50	822	1003	1200	1414		1643
6 - Ontgraven tot	-8.36	-12.50	222	268	332	402		
		-13.00	231	268	304	358		418
		-13.50	217	265	321	382		449
		-14.00	234	287	346	409		476
		-14.50	241	297	354	416		481
		-15.00	265	329	402	480		567
		-15.50	312	374	446	529		616
		-16.00	317	388	466	550		640
		-16.50	332	404	483	568		659
		-17.00	338	410	488	572		663
		-17.50	380	463	555	658		770
		-18.00	414	503	599	703		814
		-18.50	452	553	663	784		914
		-19.00	499	608	726	853		990
		-19.50	523	635	756	887		1027
		-20.00	699	862	1039	1233		1442
		-20.50	721	885	1064	1259		1468
		-21.00	767	941	1101	1300		1513
		-21.50	782	955	1143	1346		1565
		-22.00	807	983	1174	1380		1601
		-22.50	805	975	1159	1356		1568



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	R _{C; netto; d} [kN]				
				350 o	400 o	450 o	500 o	550 o
7 - Ontgraven tot	-8.36	-12.50		223	287	358	436	
		-13.00		251	317	391	456	510
		-13.50		268	329	383	451	525
		-14.00		273	335	403	479	561
		-14.50		283	351	422	499	566
		-15.00		292	359	433	510	591
		-15.50		314	388	467	552	601
		-16.00		327	388	457	538	624
		-16.50		319	385	456	533	615
		-17.00		336	406	478	558	643
		-17.50		338	408	487	575	673
		-18.00		372	447	529	616	708
		-18.50		381	457	538	624	716
		-19.00		393	477	572	677	793
		-19.50		509	617	735	863	999
		-20.00		514	621	737	861	994
		-20.50		506	608	716	831	955
		-21.00		651	815	1000	1199	1408
		-21.50		737	903	1087	1289	
		-22.00		815	999			
8 - Ontgraven tot	-8.36	-12.50		186	241	287	332	
		-13.00		203	246	296	341	389
		-13.50		206	248	291	334	382
		-14.00		210	252	297	348	403
		-14.50		215	265	316	370	427
		-15.00		224	275	330	387	445
		-15.50		232	284	341	403	468
		-16.00		254	312	376	444	503
		-16.50		272	325	380	442	506
		-17.00		272	325	385	450	521
		-17.50		277	334	394	459	528
		-18.00		284	341	402	467	536
		-18.50		293	352	416	485	558
		-19.00		320	386	458	535	618
		-19.50		401	496	602	719	847
		-20.00		509	627	754	896	1052
		-20.50		602	745	903	1075	1263
		-21.00		685	847	1025	1218	1428
		-21.50		717	883	1066	1264	1479
		-22.00		714	876	1051	1242	1446
		-22.50		835	1019	1213	1424	1655
9 - Ontgraven tot	-8.36	-12.50		223	270	331	388	
		-13.00		232	274	303	361	422
		-13.50		220	271	325	383	444
		-14.00		235	286	338	388	444
		-14.50		241	292	346	403	462
		-15.00		247	302	359	409	467
		-15.50		253	303	361	425	490
		-16.00		259	314	373	438	507
		-16.50		268	324	385	450	520
		-17.00		276	334	397	465	539
		-17.50		291	351	415	484	558
		-18.00		297	357	422	492	565
		-18.50		337	406	482	564	651
		-19.00		356	447	551	673	812
		-19.50		514	633	763	905	1058
		-20.00		527	645	774	913	1064
		-20.50		538	658	790	938	1100
		-21.00		666	821	993	1180	1382
		-21.50		754	928	1118	1318	1540
		-22.00		777	953	1145	1354	1578
		-22.50		780	952	1138	1339	1558



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$	[kN]				
				350 o	400 o	450 o	500 o	550 o
10 - Ontgraven tot -8.36		-12.50		180	227	281	342	
		-13.00		200	252	310	373	443
		-13.50		217	270	328	392	461
		-14.00		240	298	364	427	476
		-14.50		272	315	367	431	502
		-15.00		260	322	389	458	530
		-15.50		274	336	403	477	553
		-16.00		278	338	404	474	551
		-16.50		318	388	465	548	637
		-17.00		326	396	472	554	641
		-17.50		347	427	517	616	727
		-18.00		443	531	631	738	855
		-18.50		418	510	609	714	827
		-19.00		406	487	575	668	767
		-19.50		447	539	637	743	856
		-20.00		487	588	698	817	946
		-20.50		524	633	751	877	1012
		-21.00		594	734	888	1059	1250
		-21.50		744	912	1097	1303	1535
		-22.00		839	1001	1167	1377	1604
		-22.50		822	1009	1208	1425	1657
11 - Ontgraven tot -8.36		-12.50		178	232	261	296	
		-13.00		183	216	254	299	349
		-13.50		182	223	268	319	373
		-14.00		196	240	288	339	394
		-14.50		203	250	298	349	403
		-15.00		220	274	333	396	465
		-15.50		364	457	519	609	719
		-16.00		355	439	535	639	739
		-16.50		359	442	527	600	679
		-17.00		368	436	510	596	692
		-17.50		365	444	526	614	711
		-18.00		372	448	531	620	715
		-18.50		379	456	538	626	719
		-19.00		407	490	579	674	775
		-19.50		470	573	687	810	948
		-20.00		737	930	1147	1379	1622
		-20.50		797	988	1195	1388	1565
		-21.00		805	970	1132	1301	1504
		-21.50		776	930	1113	1313	1529
		-22.00		776	946	1130	1330	1544
		-22.50		786	955	1137	1333	1543
12 - Ontgraven tot -8.36		-12.50		215	262	326	377	
		-13.00		227	277	338	409	485
		-13.50		234	292	355	424	499
		-14.00		252	311	376	446	521
		-14.50		269	337	413	495	586
		-15.00		318	396	476	532	610
		-15.50		320	382	456	535	625
		-16.00		324	397	476	561	636
		-16.50		339	410	483	567	658
		-17.00		347	420	499	584	675
		-17.50		366	442	525	614	709
		-18.00		370	445	526	616	716
		-18.50		424	513	609	712	823
		-19.00		452	555	661	772	892
		-19.50		493	610	737	864	989
		-20.00		526	636	755	883	1020
		-20.50		544	656	777	906	1044
		-21.00		578	697	825	962	1108
		-21.50		603	738	890	1058	1241
		-22.00		723	875	1042	1222	1415
		-22.50		743	899	1068	1249	1443



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{c; netto; d}$ [kN]				
			350 o	400 o	450 o	500 o	550 o
13 - Ontgraven tot -8.36	-12.50		178	221	256	298	
	-13.00		177	222	271	325	383
	-13.50		194	239	289	342	400
	-14.00		209	256	308	363	422
	-14.50		241	299	360	426	495
	-15.00		252	313	382	455	533
	-15.50		315	391	476	568	665
	-16.00		336	415	502	597	693
	-16.50		346	425	513	609	713
	-17.00		373	455	547	645	752
	-17.50		386	470	562	661	766
	-18.00		401	487	581	681	789
	-18.50		438	534	636	746	865
	-19.00		500	609	728	857	995
	-19.50		515	625	745	874	1011
	-20.00		538	655	784	928	1086
	-20.50		579	701	833	975	1127
	-21.00		598	722	856	1000	1153
	-21.50		693	849	1021	1208	1410
	-22.00		866	1063	1279	1490	1738
14 - Ontgraven tot -8.36	-22.50		885	1083	1299	1514	1762
	-12.50		177	220	275	329	
	-13.00		197	236	284	341	402
	-13.50		207	256	309	367	430
	-14.00		226	278	334	395	460
	-14.50		231	286	347	415	494
	-15.00		267	330	399	471	550
	-15.50		353	439	535	614	714
	-16.00		362	443	534	635	744
	-16.50		352	430	516	609	709
	-17.00		384	470	563	664	773
	-17.50		403	496	600	713	829
	-18.00		424	516	615	721	705
	-18.50		508	575	554	648	742
	-19.00		412	492	580	671	767
	-19.50		425	505	589	677	771
	-20.00		403	472	551	655	764
	-20.50		488	586	701	810	925
	-21.00		521	619	723	834	950
	-21.50		532	630	733	842	956
	-22.00		545	650	768	908	1079
	-22.50		795	967	1152	1352	1567



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
15 - Ontgraven tot	-8.36	-12.50	202	244	298	360	
		-13.00	214	267	325	388	457
		-13.50	238	295	357	424	496
		-14.00	244	307	378	457	539
		-14.50	288	358	434	513	598
		-15.00	299	369	445	527	612
		-15.50	316	392	479	578	688
		-16.00	408	505	611	728	854
		-16.50	459	568	669	717	816
		-17.00	452	520	613	719	840
		-17.50	441	537	643	756	876
		-18.00	455	550	653	762	879
		-18.50	450	542	642	750	866
		-19.00	498	597	705	825	948
		-19.50	512	614	723	840	949
		-20.00	533	636	734	847	969
		-20.50	540	643	754	872	996
		-21.00	555	660	772	890	1015
		-21.50	547	646	751	862	978
		-22.00	747	921	1117	1335	1567
		-22.50	836	1017	1214	1426	1653
16 - Ontgraven tot	-8.36	-12.50	189	238	273	315	
		-13.00	187	230	280	331	388
		-13.50	204	251	303	359	419
		-14.00	217	267	320	376	437
		-14.50	237	293	353	416	482
		-15.00	252	313	383	461	544
		-15.50	335	419	514	621	706
		-16.00	377	459	532	630	739
		-16.50	378	459	544	642	752
		-17.00	365	445	532	625	725
		-17.50	371	448	532	621	717
		-18.00	395	477	566	661	763
		-18.50	510	597	715	842	974
		-19.00	512	620	741	857	983
		-19.50	535	635	753	882	1019
		-20.00	542	655	773	902	1040
		-20.50	561	675	798	929	1069
		-21.00	574	699	842	1005	1191
		-21.50	894	1102	1236	1334	1462
		-22.00	822	959	1044	1164	1314
		-22.50	719	840	974	1132	1297
17 - Ontgraven tot	-8.36	-12.50	201	240	297	356	
		-13.00	211	262	322	360	424
		-13.50	223	270	327	388	455
		-14.00	239	295	353	416	485
		-14.50	253	313	377	444	515
		-15.00	291	361	437	519	603
		-15.50	348	433	525	626	735
		-16.00	384	476	576	686	802
		-16.50	402	498	608	730	864
		-17.00	445	547	659	780	911
		-17.50	468	573	687	811	945
		-18.00	484	590	705	829	965
		-18.50	558	683	819	959	1116
		-19.00	550	668	796	934	1082
		-19.50	604	740	884	1038	1205
		-20.00	620	752	895	1048	1213
		-20.50	644	780	926	1083	1251
		-21.00	787	996	1225	1472	1735
		-21.50	900	1105	1329	1572	1835
		-22.00	933	1146	1380	1636	1915
		-22.50	1025	1258	1517	1793	2092



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{c; netto; d}$ [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
18 - Ontgraven tot	-8.36	-12.50	201	231	278	334	
		-13.00	199	249	306	367	432
		-13.50	220	273	330	369	414
		-14.00	229	274	322	366	421
		-14.50	230	279	332	390	453
		-15.00	238	291	350	410	472
		-15.50	244	297	355	417	482
		-16.00	257	313	376	444	517
		-16.50	297	366	442	526	618
		-17.00	392	495	614	747	875
		-17.50	489	556	664	799	936
		-18.00	467	577	694	821	954
		-18.50	451	547	652	764	885
		-19.00	445	551	671	805	952
		-19.50	514	624	742	868	1004
		-20.00	508	611	722	840	966
		-20.50	562	678	804	937	1080
		-21.00	646	784	933	1094	1266
		-21.50	662	800	949	1110	1281
		-22.00	675	814	965	1129	1306
		-22.50	855	1048	1257	1482	1726
19 - Ontgraven tot	-8.36	-12.50	197	251	310	375	
		-13.00	211	263	321	376	442
		-13.50	225	280	341	408	479
		-14.00	251	310	374	442	516
		-14.50	264	327	394	463	538
		-15.00	282	356	441	512	582
		-15.50	310	370	444	526	613
		-16.00	317	387	464	546	635
		-16.50	330	402	479	563	652
		-17.00	345	420	502	592	692
		-17.50	584	728	886	1035	1146
		-18.00	626	734	855	1017	1192
		-18.50	586	719	870	997	1128
		-19.00	559	668	789	930	1077
		-19.50	518	623	737	863	1004
		-20.00	590	713	845	987	1139
		-20.50	575	697	831	978	1139
		-21.00	704	854	1016	1190	1377
		-21.50	722	873	1035	1210	1396
		-22.00	862	1058	1269	1397	1592
		-22.50	862	1021	1183	1371	1568



Bijlage B Samenvatting Netto Draagvermogen (Trek)

B1 Prefab betonpalen

Technosoft Paalfunderingen release 6.71a
29 nov 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t, netto, d}$ [kN]	
	niveau	niveau	250p	250p o
1	-4.24	-12.50	50	
		-13.00	75	
		-13.50	101	
		-14.00	126	
		-14.50	146	
		-15.00	165	
		-15.50	186	
		-16.00	199	
		-16.50	212	
		-17.00	229	
		-17.50	251	
		-18.00	276	
		-18.50	302	
		-19.00	320	
		-19.50	339	
		-20.00	356	
		-20.50	377	
		-21.00	399	
		-21.50	424	
		-22.00	450	
2	-4.31	-12.50	44	
		-13.00	67	
		-13.50	90	
		-14.00	111	
		-14.50	128	
		-15.00	142	
		-15.50	159	
		-16.00	177	
		-16.50	195	
		-17.00	209	
		-17.50	224	
		-18.00	244	
		-18.50	263	
		-19.00	283	
		-19.50	303	
		-20.00	323	
		-20.50	342	
		-21.00	363	
		-21.50	389	
		-22.00	414	
		-22.50	439	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	paalpunt	$R_{t; netto; d}$ [kN]	
			250p	o
3	-4.03	-12.50	51	
		-13.00	76	
		-13.50	102	
		-14.00	126	
		-14.50	145	
		-15.00	161	
		-15.50	175	
		-16.00	188	
		-16.50	204	
		-17.00	218	
		-17.50	235	
		-18.00	259	
		-18.50	283	
		-19.00	306	
		-19.50	321	
		-20.00	337	
		-20.50	348	
		-21.00	373	
		-21.50	398	
		-22.00	423	
4	-4.21	-12.50	48	
		-13.00	71	
		-13.50	93	
		-14.00	116	
		-14.50	138	
		-15.00	160	
		-15.50	183	
		-16.00	206	
		-16.50	232	
		-17.00	255	
		-17.50	275	
		-18.00	296	
		-18.50	313	
		-19.00	327	
		-19.50	347	
		-20.00	367	
		-20.50	391	
		-21.00	416	
		-21.50	442	
		-22.00	467	
5	-4.10	-12.50	51	
		-13.00	76	
		-13.50	102	
		-14.00	127	
		-14.50	150	
		-15.00	164	
		-15.50	179	
		-16.00	199	
		-16.50	218	
		-17.00	235	
		-17.50	254	
		-18.00	275	
		-18.50	291	
		-19.00	304	
		-19.50	318	
		-20.00	332	
		-20.50	355	
		-21.00	380	
		-21.50	405	
		-22.00	431	
		-22.50	456	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t; netto; d} 250p	[kN] 250p o
6	-4.28	-12.50	47	
		-13.00	72	
		-13.50	96	
		-14.00	121	
		-14.50	142	
		-15.00	156	
		-15.50	173	
		-16.00	194	
		-16.50	214	
		-17.00	232	
		-17.50	246	
		-18.00	265	
		-18.50	284	
		-19.00	306	
		-19.50	329	
		-20.00	352	
		-20.50	377	
7	-4.33	-21.00	403	
		-21.50	428	
		-22.00	454	
		-22.50	479	
		-12.50	49	
		-13.00	74	
		-13.50	98	
		-14.00	122	
		-14.50	147	
		-15.00	170	
		-15.50	187	
		-16.00	205	
		-16.50	225	
		-17.00	237	
		-17.50	253	
		-18.00	267	
		-18.50	285	
8	-4.35	-19.00	299	
		-19.50	315	
		-20.00	337	
		-20.50	358	
		-21.00	376	
		-21.50	401	
		-22.00	427	
		-22.50	452	
		-12.50	47	
		-13.00	70	
		-13.50	93	
		-14.00	114	
		-14.50	131	
		-15.00	145	
		-15.50	157	
		-16.00	167	
		-16.50	180	
		-17.00	196	
		-17.50	211	
		-18.00	221	
		-18.50	230	
		-19.00	239	
		-19.50	251	
		-20.00	273	
		-20.50	298	
		-21.00	323	
		-21.50	349	
		-22.00	374	
		-22.50	400	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	paalpunt	$R_{t; netto; d}$ [kN]	
			250p	250p o
9	-4.34	-12.50	48	
		-13.00	72	
		-13.50	97	
		-14.00	122	
		-14.50	143	
		-15.00	159	
		-15.50	173	
		-16.00	186	
		-16.50	197	
		-17.00	208	
		-17.50	218	
		-18.00	230	
		-18.50	239	
		-19.00	254	
		-19.50	273	
		-20.00	299	
		-20.50	324	
		-21.00	349	
		-21.50	374	
10	-4.05	-22.00	400	
		-22.50	425	
		-12.50	44	
		-13.00	67	
		-13.50	90	
		-14.00	110	
		-14.50	130	
		-15.00	150	
		-15.50	170	
		-16.00	189	
		-16.50	202	
		-17.00	222	
		-17.50	236	
		-18.00	255	
		-18.50	277	
		-19.00	297	
		-19.50	311	
		-20.00	329	
11	-4.07	-20.50	349	
		-21.00	370	
		-21.50	395	
		-22.00	420	
		-22.50	446	
		-12.50	39	
		-13.00	60	
		-13.50	82	
		-14.00	102	
		-14.50	119	
		-15.00	131	
		-15.50	146	
		-16.00	170	
		-16.50	195	
		-17.00	217	
		-17.50	237	
		-18.00	258	
		-18.50	275	
		-19.00	289	
		-19.50	304	
		-20.00	327	
		-20.50	352	
		-21.00	377	
		-21.50	403	
		-22.00	428	
		-22.50	454	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t ; netto ; d} 250p	[kN] 250p o
12	-4.04	-12.50	46	
		-13.00	71	
		-13.50	97	
		-14.00	121	
		-14.50	141	
		-15.00	160	
		-15.50	181	
		-16.00	200	
		-16.50	221	
		-17.00	239	
		-17.50	254	
		-18.00	273	
		-18.50	288	
		-19.00	307	
		-19.50	326	
		-20.00	346	
		-20.50	368	
		-21.00	389	
		-21.50	410	
		-22.00	434	
13	-4.03	-12.50	48	
		-13.00	71	
		-13.50	95	
		-14.00	113	
		-14.50	129	
		-15.00	147	
		-15.50	164	
		-16.00	185	
		-16.50	205	
		-17.00	225	
		-17.50	245	
		-18.00	265	
		-18.50	283	
		-19.00	303	
		-19.50	326	
		-20.00	348	
		-20.50	371	
		-21.00	394	
		-21.50	417	
		-22.00	442	
14	-4.04	-12.50	52	
		-13.00	77	
		-13.50	102	
		-14.00	121	
		-14.50	141	
		-15.00	157	
		-15.50	176	
		-16.00	199	
		-16.50	222	
		-17.00	241	
		-17.50	261	
		-18.00	281	
		-18.50	301	
		-19.00	326	
		-19.50	352	
		-20.00	375	
		-20.50	389	
		-21.00	407	
		-21.50	427	
		-22.00	443	
		-22.50	462	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
niveau	niveau	250p	250p	o

15	-3.79	-12.50	67
		-13.00	92
		-13.50	114
		-14.00	134
		-14.50	152
		-15.00	173
		-15.50	193
		-16.00	214
		-16.50	239
		-17.00	265
		-17.50	290
		-18.00	316
		-18.50	339
		-19.00	356
		-19.50	376
		-20.00	395
		-20.50	412
		-21.00	432
16	-3.91	-21.50	450
		-22.00	463
		-22.50	489
		-12.50	55
		-13.00	78
		-13.50	99
		-14.00	118
		-14.50	134
		-15.00	150
		-15.50	167
		-16.00	191
		-16.50	216
17	-4.01	-17.00	241
		-17.50	265
		-18.00	280
		-18.50	298
		-19.00	323
		-19.50	348
		-20.00	374
		-20.50	394
		-21.00	414
		-21.50	437
		-22.00	463
		-22.50	488
		-12.50	55
		-13.00	80
		-13.50	104
		-14.00	126
		-14.50	145
		-15.00	163
		-15.50	181
		-16.00	205
		-16.50	228
		-17.00	252
		-17.50	278
		-18.00	303
		-18.50	326
		-19.00	350
		-19.50	374
		-20.00	398
		-20.50	421
		-21.00	446
		-21.50	472
		-22.00	497
		-22.50	523



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
18	-4.40	-12.50	46	
		-13.00	71	
		-13.50	96	
		-14.00	118	
		-14.50	134	
		-15.00	153	
		-15.50	168	
		-16.00	179	
		-16.50	191	
		-17.00	207	
		-17.50	231	
		-18.00	256	
		-18.50	282	
		-19.00	304	
		-19.50	322	
		-20.00	343	
		-20.50	362	
		-21.00	384	
		-21.50	409	
19	-4.20	-22.00	434	
		-22.50	460	
		-12.50	60	
		-13.00	84	
		-13.50	106	
		-14.00	125	
		-14.50	145	
		-15.00	164	
		-15.50	182	
		-16.00	201	
		-16.50	219	
		-17.00	236	
		-17.50	253	
		-18.00	279	
		-18.50	304	
		-19.00	330	
		-19.50	354	
		-20.00	374	
		-20.50	394	
		-21.00	417	
		-21.50	442	
		-22.00	468	
		-22.50	493	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
1 - Ontgraven tot	-8.36	-12.50		35
		-13.00		54
		-13.50		74
		-14.00		95
		-14.50		109
		-15.00		126
		-15.50		144
		-16.00		155
		-16.50		165
		-17.00		180
		-17.50		198
		-18.00		221
		-18.50		244
		-19.00		259
		-19.50		276
		-20.00		292
		-20.50		312
		-21.00		333
		-21.50		358
		-22.00		384
		-22.50		409
2 - Ontgraven tot	-8.36	-12.50		31
		-13.00		49
		-13.50		67
		-14.00		84
		-14.50		97
		-15.00		108
		-15.50		122
		-16.00		136
		-16.50		151
		-17.00		163
		-17.50		175
		-18.00		195
		-18.50		211
		-19.00		231
		-19.50		249
		-20.00		269
		-20.50		288
		-21.00		307
		-21.50		332
		-22.00		358
		-22.50		383
3 - Ontgraven tot	-8.36	-12.50		34
		-13.00		54
		-13.50		74
		-14.00		92
		-14.50		107
		-15.00		118
		-15.50		129
		-16.00		140
		-16.50		153
		-17.00		164
		-17.50		178
		-18.00		197
		-18.50		218
		-19.00		237
		-19.50		250
		-20.00		264
		-20.50		274
		-21.00		296
		-21.50		321
		-22.00		347
		-22.50		372



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
4 - Ontgraven tot	-8.36	-12.50		34
		-13.00		54
		-13.50		72
		-14.00		90
		-14.50		109
		-15.00		128
		-15.50		147
		-16.00		168
		-16.50		191
		-17.00		212
		-17.50		230
		-18.00		251
		-18.50		266
		-19.00		278
		-19.50		297
		-20.00		316
		-20.50		339
		-21.00		365
		-21.50		390
		-22.00		415
		-22.50		441
5 - Ontgraven tot	-8.36	-12.50		34
		-13.00		54
		-13.50		73
		-14.00		93
		-14.50		111
		-15.00		121
		-15.50		133
		-16.00		150
		-16.50		168
		-17.00		181
		-17.50		200
		-18.00		218
		-18.50		232
		-19.00		244
		-19.50		255
		-20.00		268
		-20.50		287
		-21.00		311
		-21.50		337
		-22.00		362
		-22.50		388
6 - Ontgraven tot	-8.36	-12.50		33
		-13.00		53
		-13.50		73
		-14.00		91
		-14.50		109
		-15.00		121
		-15.50		136
		-16.00		155
		-16.50		171
		-17.00		187
		-17.50		199
		-18.00		216
		-18.50		232
		-19.00		251
		-19.50		272
		-20.00		292
		-20.50		317
		-21.00		342
		-21.50		368
		-22.00		393
		-22.50		419



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{t; netto; d}$ [kN]	
				250p	250p o
7 - Ontgraven tot	-8.36		-12.50		35
			-13.00		55
			-13.50		75
			-14.00		95
			-14.50		115
			-15.00		133
			-15.50		147
			-16.00		163
			-16.50		183
			-17.00		193
			-17.50		206
			-18.00		219
			-18.50		234
			-19.00		246
			-19.50		261
			-20.00		281
			-20.50		301
			-21.00		318
			-21.50		342
			-22.00		367
			-22.50		393
8 - Ontgraven tot	-8.36		-12.50		34
			-13.00		51
			-13.50		72
			-14.00		88
			-14.50		101
			-15.00		112
			-15.50		122
			-16.00		131
			-16.50		141
			-17.00		154
			-17.50		167
			-18.00		176
			-18.50		184
			-19.00		192
			-19.50		202
			-20.00		221
			-20.50		246
			-21.00		271
			-21.50		297
			-22.00		322
			-22.50		347
9 - Ontgraven tot	-8.36		-12.50		34
			-13.00		54
			-13.50		73
			-14.00		93
			-14.50		109
			-15.00		122
			-15.50		134
			-16.00		144
			-16.50		154
			-17.00		163
			-17.50		171
			-18.00		181
			-18.50		189
			-19.00		202
			-19.50		220
			-20.00		246
			-20.50		271
			-21.00		294
			-21.50		320
			-22.00		345
			-22.50		371



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
10 - Ontgraven tot	-8.36	-12.50		30
		-13.00		49
		-13.50		68
		-14.00		82
		-14.50		98
		-15.00		116
		-15.50		133
		-16.00		148
		-16.50		158
		-17.00		176
		-17.50		188
		-18.00		203
		-18.50		224
		-19.00		242
		-19.50		254
		-20.00		270
		-20.50		288
		-21.00		307
		-21.50		331
		-22.00		356
		-22.50		382
11 - Ontgraven tot	-8.36	-12.50		27
		-13.00		45
		-13.50		65
		-14.00		80
		-14.50		93
		-15.00		102
		-15.50		114
		-16.00		134
		-16.50		155
		-17.00		174
		-17.50		192
		-18.00		212
		-18.50		227
		-19.00		238
		-19.50		252
		-20.00		272
		-20.50		297
		-21.00		323
		-21.50		348
		-22.00		373
		-22.50		399
12 - Ontgraven tot	-8.36	-12.50		31
		-13.00		51
		-13.50		71
		-14.00		90
		-14.50		105
		-15.00		121
		-15.50		142
		-16.00		158
		-16.50		175
		-17.00		191
		-17.50		203
		-18.00		219
		-18.50		231
		-19.00		248
		-19.50		266
		-20.00		285
		-20.50		305
		-21.00		324
		-21.50		344
		-22.00		367
		-22.50		392



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
13 - Ontgraven tot	-8.36	-12.50		33
		-13.00		53
		-13.50		71
		-14.00		85
		-14.50		96
		-15.00		110
		-15.50		123
		-16.00		142
		-16.50		161
		-17.00		177
		-17.50		197
		-18.00		213
		-18.50		228
		-19.00		246
		-19.50		267
		-20.00		287
		-20.50		307
		-21.00		329
		-21.50		350
		-22.00		375
		-22.50		401
14 - Ontgraven tot	-8.36	-12.50		35
		-13.00		55
		-13.50		74
		-14.00		88
		-14.50		103
		-15.00		116
		-15.50		130
		-16.00		150
		-16.50		170
		-17.00		186
		-17.50		203
		-18.00		221
		-18.50		239
		-19.00		262
		-19.50		285
		-20.00		306
		-20.50		318
		-21.00		334
		-21.50		354
		-22.00		369
		-22.50		386
15 - Ontgraven tot	-8.36	-12.50		45
		-13.00		65
		-13.50		80
		-14.00		98
		-14.50		113
		-15.00		131
		-15.50		147
		-16.00		163
		-16.50		184
		-17.00		206
		-17.50		228
		-18.00		251
		-18.50		271
		-19.00		285
		-19.50		304
		-20.00		322
		-20.50		338
		-21.00		356
		-21.50		373
		-22.00		385
		-22.50		410



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t; netto; d}$	[kN]
	niveau	niveau	250p	250p o
16 - Ontgraven tot	-8.36	-12.50		39
		-13.00		59
		-13.50		75
		-14.00		89
		-14.50		101
		-15.00		113
		-15.50		126
		-16.00		146
		-16.50		166
		-17.00		186
		-17.50		206
		-18.00		219
		-18.50		234
		-19.00		256
		-19.50		277
		-20.00		299
		-20.50		319
		-21.00		338
		-21.50		360
		-22.00		385
		-22.50		411
17 - Ontgraven tot	-8.36	-12.50		37
		-13.00		56
		-13.50		76
		-14.00		92
		-14.50		107
		-15.00		121
		-15.50		136
		-16.00		155
		-16.50		175
		-17.00		196
		-17.50		218
		-18.00		240
		-18.50		260
		-19.00		280
		-19.50		301
		-20.00		321
		-20.50		342
		-21.00		363
		-21.50		388
		-22.00		414
		-22.50		439
18 - Ontgraven tot	-8.36	-12.50		33
		-13.00		52
		-13.50		72
		-14.00		90
		-14.50		102
		-15.00		117
		-15.50		130
		-16.00		139
		-16.50		149
		-17.00		162
		-17.50		185
		-18.00		210
		-18.50		236
		-19.00		257
		-19.50		275
		-20.00		295
		-20.50		312
		-21.00		333
		-21.50		356
		-22.00		380
		-22.50		404
19 - Ontgraven tot	-8.36	-12.50		42
		-13.00		62
		-13.50		78
		-14.00		93
		-14.50		111
		-15.00		126



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$	[kN]	
	niveau	niveau	250p	250p o	
19 - Ontgraven tot	-8.36	-15.50			142
		-16.00			159
		-16.50			174
		-17.00			187
		-17.50			203
		-18.00			228
		-18.50			254
		-19.00			279
		-19.50			303
		-20.00			321
		-20.50			341
		-21.00			363
		-21.50			388
		-22.00			413
		-22.50			439

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$	[kN]				
	niveau	niveau	290p	320p	350p	380p	400p	
1	-4.24	-12.50	51	59	66	74	80	
		-13.00	73	83	93	103	111	
		-13.50	96	108	120	133	141	
		-14.00	118	132	147	162	172	
		-14.50	135	151	167	184	196	
		-15.00	152	170	188	207	220	
		-15.50	170	190	210	230	245	
		-16.00	182	203	224	246	261	
		-16.50	193	215	238	261	277	
		-17.00	208	232	256	281	298	
		-17.50	227	253	280	306	325	
		-18.00	249	277	306	336	355	
		-18.50	271	302	333	365	386	
		-19.00	287	319	352	386	408	
		-19.50	304	338	372	408	431	
		-20.00	319	355	391	428	453	
		-20.50	337	374	413	451	478	
		-21.00	356	396	436	477	505	
		-21.50	378	420	463	506	535	
		-22.00	400	445	490	535	566	
		-22.50	423	469	517	565	597	
2	-4.31	-12.50	46	53	60	67	72	
		-13.00	66	75	84	94	100	
		-13.50	86	97	108	120	128	
		-14.00	105	118	131	145	154	
		-14.50	119	134	149	164	174	
		-15.00	132	148	164	181	192	
		-15.50	147	165	183	201	213	
		-16.00	162	181	201	221	235	
		-16.50	178	199	220	242	257	
		-17.00	191	213	236	259	274	
		-17.50	204	227	251	276	292	
		-18.00	221	247	273	299	317	
		-18.50	238	265	292	321	340	
		-19.00	255	284	314	344	365	
		-19.50	272	303	335	367	388	
		-20.00	290	323	356	390	413	
		-20.50	307	342	377	413	437	
		-21.00	325	362	399	437	462	
		-21.50	347	386	426	466	493	
		-22.00	370	411	453	495	524	
		-22.50	392	435	480	524	554	
3	-4.03	-12.50	52	59	67	75	81	
		-13.00	74	84	94	104	112	
		-13.50	96	108	121	134	142	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{t; netto; d}$ 290p	[kN]				
					320p	350p	380p	400p	
			-14.00	117	132	146	161	171	
			-14.50	134	151	167	184	195	
			-15.00	148	165	183	202	214	
			-15.50	160	179	198	218	232	
			-16.00	172	192	213	234	248	
			-16.50	186	208	230	253	268	
			-17.00	198	221	245	268	285	
			-17.50	213	238	263	288	306	
			-18.00	234	261	288	316	334	
			-18.50	255	284	313	343	364	
			-19.00	275	306	338	370	391	
			-19.50	288	321	354	387	410	
			-20.00	302	336	371	406	429	
			-20.50	312	347	383	419	444	
			-21.00	334	371	409	447	473	
			-21.50	356	395	436	477	504	
			-22.00	378	420	463	506	535	
			-22.50	400	444	489	535	566	
4	-4.21		-12.50	49	56	64	72	77	
			-13.00	69	79	88	98	105	
			-13.50	89	101	112	124	133	
			-14.00	109	122	136	150	160	
			-14.50	128	144	159	176	187	
			-15.00	148	165	183	201	214	
			-15.50	167	187	207	227	241	
			-16.00	188	210	232	254	270	
			-16.50	210	234	259	284	301	
			-17.00	230	256	283	310	329	
			-17.50	248	276	304	334	353	
			-18.00	266	296	327	358	379	
			-18.50	281	313	345	378	400	
			-19.00	293	326	360	394	417	
			-19.50	310	345	381	417	441	
			-20.00	328	365	402	440	465	
			-20.50	349	388	427	467	494	
			-21.00	371	412	454	497	525	
			-21.50	393	437	481	526	556	
			-22.00	415	461	508	555	587	
			-22.50	437	486	535	584	618	
5	-4.10		-12.50	52	60	67	75	81	
			-13.00	74	84	94	105	112	
			-13.50	97	109	121	134	143	
			-14.00	119	133	148	163	173	
			-14.50	139	155	172	190	201	
			-15.00	151	169	187	206	219	
			-15.50	164	183	203	223	236	
			-16.00	181	203	224	246	261	
			-16.50	198	221	245	269	285	
			-17.00	213	237	262	287	305	
			-17.50	230	256	283	310	329	
			-18.00	248	276	305	334	353	
			-18.50	262	291	322	352	373	
			-19.00	274	305	336	368	390	
			-19.50	286	318	351	384	407	
			-20.00	298	332	366	401	425	
			-20.50	318	353	390	427	451	
			-21.00	340	378	417	456	482	
			-21.50	362	402	443	485	513	
			-22.00	384	427	470	514	544	
			-22.50	406	451	497	543	575	
6	-4.28		-12.50	49	56	63	71	76	
			-13.00	70	80	89	99	106	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t, netto; d}	[kN]				
				290p	320p	350p	380p	400p
		-13.50		92	103	115	128	136
		-14.00		113	127	141	156	166
		-14.50		131	147	163	180	191
		-15.00		144	161	179	197	209
		-15.50		159	178	197	217	230
		-16.00		177	198	219	240	255
		-16.50		194	217	240	263	279
		-17.00		210	234	259	284	301
		-17.50		223	249	275	301	319
		-18.00		240	267	295	323	342
		-18.50		256	285	315	345	365
		-19.00		275	307	338	370	392
		-19.50		296	329	363	397	420
		-20.00		315	351	387	423	448
		-20.50		337	375	414	452	479
		-21.00		360	400	440	482	509
		-21.50		382	424	467	511	540
		-22.00		404	449	494	540	571
		-22.50		426	473	521	569	602
7	-4.33	-12.50		51	58	65	73	79
		-13.00		72	81	91	101	108
		-13.50		93	105	117	130	138
		-14.00		114	128	143	158	168
		-14.50		136	152	169	186	198
		-15.00		156	174	193	212	225
		-15.50		171	191	211	232	246
		-16.00		187	208	231	253	268
		-16.50		204	228	252	276	293
		-17.00		215	240	265	290	308
		-17.50		229	255	281	309	327
		-18.00		241	269	297	325	344
		-18.50		257	286	316	346	367
		-19.00		269	300	331	362	384
		-19.50		283	315	348	381	403
		-20.00		302	336	371	406	430
		-20.50		321	357	394	431	456
		-21.00		337	374	413	452	478
		-21.50		358	398	439	480	508
		-22.00		381	423	466	509	539
		-22.50		403	447	493	539	570
8	-4.35	-12.50		49	56	63	71	77
		-13.00		69	78	87	97	104
		-13.50		89	100	112	124	132
		-14.00		107	121	134	148	158
		-14.50		122	137	152	168	178
		-15.00		134	151	167	184	196
		-15.50		145	162	180	198	210
		-16.00		154	173	191	211	224
		-16.50		165	185	205	225	239
		-17.00		179	200	222	244	259
		-17.50		192	215	238	261	277
		-18.00		202	225	249	274	290
		-18.50		210	234	259	284	301
		-19.00		218	243	269	295	312
		-19.50		228	254	281	308	327
		-20.00		247	275	304	333	353
		-20.50		269	300	331	363	384
		-21.00		291	324	358	392	415
		-21.50		313	349	385	421	446
		-22.00		335	373	411	450	476
		-22.50		357	398	438	479	507
9	-4.34	-12.50		49	56	64	72	77



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t; netto; d}	[kN]				
				290p	320p	350p	380p	400p
		-13.00		71	80	90	100	107
		-13.50		93	104	116	129	137
		-14.00		114	128	142	157	167
		-14.50		132	148	165	181	193
		-15.00		146	163	181	199	212
		-15.50		159	178	197	216	230
		-16.00		170	190	211	232	246
		-16.50		180	201	223	245	260
		-17.00		190	212	234	257	273
		-17.50		199	222	246	270	286
		-18.00		209	233	258	283	300
		-18.50		217	242	268	294	312
		-19.00		230	256	283	311	330
		-19.50		247	275	304	334	353
		-20.00		269	300	331	363	384
		-20.50		291	324	358	392	415
		-21.00		313	349	384	421	445
		-21.50		335	373	411	450	476
		-22.00		357	398	438	479	507
		-22.50		380	422	465	508	538
10	-4.05	-12.50		47	53	60	68	73
		-13.00		67	75	85	94	101
		-13.50		87	98	109	121	129
		-14.00		104	117	130	144	153
		-14.50		121	136	151	167	177
		-15.00		139	155	172	190	201
		-15.50		156	175	194	213	226
		-16.00		173	193	214	235	249
		-16.50		184	206	228	250	266
		-17.00		202	225	249	273	289
		-17.50		214	239	264	290	307
		-18.00		230	257	284	311	330
		-18.50		250	278	307	336	356
		-19.00		267	298	328	360	381
		-19.50		280	312	344	377	399
		-20.00		296	329	363	398	421
		-20.50		313	349	384	421	445
		-21.00		331	368	406	444	470
		-21.50		353	392	432	473	500
		-22.00		375	417	459	502	531
11	-4.07	-12.50		42	48	55	62	66
		-13.00		60	69	77	86	93
		-13.50		79	90	100	111	119
		-14.00		97	109	122	135	144
		-14.50		112	126	140	155	165
		-15.00		122	137	152	168	179
		-15.50		135	152	168	186	197
		-16.00		157	175	194	214	227
		-16.50		178	199	220	242	256
		-17.00		197	220	244	268	284
		-17.50		215	240	265	291	308
		-18.00		233	260	287	315	333
		-18.50		248	277	305	335	355
		-19.00		260	290	320	351	371
		-19.50		274	305	337	369	390
		-20.00		293	327	360	394	418
		-20.50		315	351	387	424	448
		-21.00		338	375	414	453	479
		-21.50		360	400	441	482	510
		-22.00		382	424	468	511	541
		-22.50		404	449	494	540	571



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{t, netto; d}$ [kN]					
					290p	320p	350p	380p	400p
12	-4.04	-12.50			48	55	62	70	75
		-13.00			70	79	89	99	106
		-13.50			92	104	116	128	137
		-14.00			113	127	141	156	166
		-14.50			130	146	162	179	190
		-15.00			148	165	183	201	214
		-15.50			165	185	205	225	239
		-16.00			183	204	226	248	263
		-16.50			200	224	247	271	287
		-17.00			217	242	267	293	310
		-17.50			230	256	283	310	329
		-18.00			246	274	303	332	351
		-18.50			259	289	319	349	370
		-19.00			276	307	339	371	392
		-19.50			293	326	359	393	416
		-20.00			310	345	381	417	441
		-20.50			329	366	403	441	467
		-21.00			348	386	426	466	493
		-21.50			366	407	448	490	519
		-22.00			387	430	473	518	547
		-22.50			409	454	500	547	578
13	-4.03	-12.50			50	57	64	72	78
		-13.00			70	79	89	99	106
		-13.50			90	102	113	126	134
		-14.00			107	120	133	147	157
		-14.50			121	135	151	166	177
		-15.00			136	153	169	186	198
		-15.50			151	169	188	206	219
		-16.00			169	189	209	230	244
		-16.50			187	209	231	254	269
		-17.00			204	228	252	276	293
		-17.50			222	247	273	300	318
		-18.00			239	266	294	323	342
		-18.50			255	284	313	343	364
		-19.00			273	304	335	367	389
		-19.50			292	325	359	393	416
		-20.00			312	347	383	419	443
		-20.50			332	369	407	445	471
		-21.00			352	391	431	471	498
		-21.50			372	413	455	498	527
		-22.00			394	438	482	527	557
		-22.50			416	462	509	556	588
14	-4.04	-12.50			53	60	68	76	82
		-13.00			75	85	95	105	112
		-13.50			97	109	122	134	143
		-14.00			113	127	142	156	166
		-14.50			130	146	162	179	190
		-15.00			145	162	180	198	210
		-15.50			161	180	199	219	233
		-16.00			181	202	224	246	261
		-16.50			201	225	248	272	289
		-17.00			218	243	268	294	312
		-17.50			236	263	290	318	337
		-18.00			253	282	311	341	361
		-18.50			271	301	332	364	385
		-19.00			293	326	359	393	416
		-19.50			315	350	386	422	447
		-20.00			335	373	411	449	475
		-20.50			347	386	426	465	492
		-21.00			363	403	444	486	514
		-21.50			381	423	466	509	539
		-22.00			395	439	483	528	559
		-22.50			411	457	503	550	582



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{t; netto; d}$ [kN]				
			290p	320p	350p	380p	400p
15	-3.79	-12.50	66	75	84	94	100
		-13.00	88	99	110	122	130
		-13.50	107	120	133	147	157
		-14.00	124	139	155	170	181
		-14.50	141	157	175	192	204
		-15.00	158	177	196	216	229
		-15.50	176	196	217	238	253
		-16.00	194	217	240	263	279
		-16.50	216	241	267	292	310
		-17.00	239	266	293	321	340
		-17.50	261	290	320	351	371
		-18.00	283	315	347	380	402
		-18.50	303	337	371	406	430
		-19.00	318	354	390	426	451
		-19.50	336	373	411	450	476
		-20.00	352	391	431	472	499
		-20.50	368	408	450	492	520
		-21.00	385	428	471	515	544
		-21.50	401	445	490	535	566
		-22.00	412	458	504	551	583
		-22.50	434	482	531	580	613
16	-3.91	-12.50	56	63	71	80	86
		-13.00	76	86	96	106	114
		-13.50	94	106	118	131	139
		-14.00	111	125	139	153	163
		-14.50	125	140	155	171	182
		-15.00	138	155	172	189	201
		-15.50	154	172	191	210	223
		-16.00	175	195	216	238	252
		-16.50	196	219	242	266	282
		-17.00	218	243	268	294	312
		-17.50	239	266	294	322	341
		-18.00	252	281	310	340	360
		-18.50	268	298	329	361	382
		-19.00	290	322	356	389	412
		-19.50	312	347	382	419	443
		-20.00	334	371	409	447	473
		-20.50	352	391	431	471	498
		-21.00	369	411	452	494	523
		-21.50	389	433	476	521	551
		-22.00	411	457	503	550	581
		-22.50	434	482	530	579	612
17	-4.01	-12.50	56	63	71	80	86
		-13.00	77	87	97	108	116
		-13.50	99	111	124	137	146
		-14.00	118	132	147	162	172
		-14.50	134	150	167	184	195
		-15.00	150	167	186	204	217
		-15.50	166	186	205	226	240
		-16.00	186	208	230	252	268
		-16.50	207	230	255	279	296
		-17.00	228	254	281	308	326
		-17.50	250	279	307	337	357
		-18.00	272	303	334	365	387
		-18.50	292	325	359	392	415
		-19.00	313	348	384	420	444
		-19.50	334	371	409	448	473
		-20.00	355	394	434	475	502
		-20.50	375	417	459	502	531
		-21.00	397	441	486	531	561
		-21.50	419	466	512	560	592
		-22.00	441	490	539	589	623
		-22.50	463	515	566	618	653



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]				
	niveau	niveau	290p	320p	350p	380p	400p
18	-4.40	-12.50	48	55	62	70	75
		-13.00	69	79	88	98	105
		-13.50	91	103	114	127	135
		-14.00	111	124	138	153	162
		-14.50	125	140	156	171	182
		-15.00	141	158	175	193	205
		-15.50	155	173	192	211	224
		-16.00	165	184	204	224	238
		-16.50	175	195	216	238	252
		-17.00	189	211	233	256	272
		-17.50	210	234	259	284	301
		-18.00	232	258	285	313	332
		-18.50	254	283	312	342	362
		-19.00	274	305	336	368	390
		-19.50	289	322	355	389	412
		-20.00	307	342	377	413	437
		-20.50	324	360	397	435	460
		-21.00	343	381	420	460	486
		-21.50	365	406	447	489	517
		-22.00	387	430	474	518	548
19	-4.20	-12.50	60	68	76	85	91
		-13.00	81	91	102	113	121
		-13.50	100	113	125	139	148
		-14.00	117	131	146	161	171
		-14.50	135	151	167	184	196
		-15.00	151	169	187	205	218
		-15.50	167	186	206	227	241
		-16.00	183	205	227	249	264
		-16.50	199	222	246	270	286
		-17.00	214	238	263	289	306
		-17.50	229	255	282	309	327
		-18.00	251	280	309	338	358
		-18.50	273	304	336	367	389
		-19.00	295	329	362	397	420
		-19.50	317	353	389	425	450
		-20.00	334	372	409	448	474
		-20.50	352	391	431	471	499
		-21.00	372	413	455	498	526
		-21.50	394	438	482	527	557
		-22.00	416	462	509	556	588
		-22.50	438	487	536	585	619



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t, netto; d}$ [kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o
1 - Ontgraven tot	-8.36	-12.50	38	44	51	57	62
		-13.00	55	63	71	79	85
		-13.50	73	83	93	103	110
		-14.00	91	102	114	126	135
		-14.50	104	116	130	143	153
		-15.00	118	133	148	163	174
		-15.50	134	150	166	183	195
		-16.00	144	161	178	196	209
		-16.50	153	171	189	208	221
		-17.00	165	185	205	226	239
		-17.50	181	203	225	247	262
		-18.00	201	225	249	273	289
		-18.50	221	247	273	299	317
		-19.00	235	262	289	317	336
		-19.50	250	278	307	337	357
		-20.00	263	293	324	355	376
		-20.50	281	313	346	379	401
		-21.00	299	333	367	402	426
		-21.50	321	358	394	432	457
		-22.00	343	382	421	461	488
		-22.50	366	406	448	490	518
2 - Ontgraven tot	-8.36	-12.50	35	41	47	53	57
		-13.00	51	58	65	73	79
		-13.50	67	76	85	95	101
		-14.00	81	92	103	114	122
		-14.50	92	104	116	129	137
		-15.00	103	115	129	142	152
		-15.50	115	129	143	158	169
		-16.00	127	142	158	175	186
		-16.50	140	157	174	192	204
		-17.00	151	169	187	206	219
		-17.50	162	181	200	221	234
		-18.00	179	200	221	243	258
		-18.50	193	216	239	263	279
		-19.00	211	235	260	286	303
		-19.50	226	253	279	306	325
		-20.00	244	272	301	330	349
		-20.50	260	290	320	351	372
		-21.00	277	308	341	373	395
		-21.50	299	333	367	402	426
		-22.00	321	357	394	432	457
		-22.50	343	382	421	461	488
3 - Ontgraven tot	-8.36	-12.50	38	43	50	56	61
		-13.00	55	63	71	79	85



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	R _{t, netto;d} [kN]				
			290p o	320p o	350p o	380p o	400p o
		-13.50	73	83	93	103	110
		-14.00	88	100	111	123	132
		-14.50	101	114	127	140	149
		-15.00	111	125	139	154	164
		-15.50	121	136	151	167	177
		-16.00	130	146	163	179	191
		-16.50	142	159	176	194	207
		-17.00	151	170	188	207	220
		-17.50	164	183	203	224	237
		-18.00	181	202	224	246	262
		-18.50	199	222	246	270	286
		-19.00	216	241	266	292	310
		-19.50	227	253	280	307	326
		-20.00	239	267	295	323	343
		-20.50	248	276	305	335	355
		-21.00	267	298	329	361	382
		-21.50	290	323	356	390	413
		-22.00	312	347	383	419	444
		-22.50	334	372	410	449	475
4 - Ontgraven tot	-8.36	-12.50	38	44	50	56	61
		-13.00	55	63	71	80	86
		-13.50	71	80	90	100	108
		-14.00	86	97	109	121	129
		-14.50	103	116	129	143	152
		-15.00	119	134	149	165	175
		-15.50	137	153	170	187	199
		-16.00	155	173	192	211	224
		-16.50	175	196	217	238	253
		-17.00	193	216	239	262	278
		-17.50	209	233	258	283	300
		-18.00	227	253	280	307	325
		-18.50	241	268	296	325	344
		-19.00	251	280	309	339	359
		-19.50	267	298	329	360	381
		-20.00	284	317	350	383	405
		-20.50	304	339	374	409	433
		-21.00	327	363	401	438	464
		-21.50	349	388	427	468	495
		-22.00	371	412	454	497	525
		-22.50	393	436	481	526	556
5 - Ontgraven tot	-8.36	-12.50	38	44	50	57	61
		-13.00	55	63	71	79	85
		-13.50	72	81	91	101	109
		-14.00	89	100	112	124	132
		-14.50	105	118	131	145	154
		-15.00	114	128	143	158	168
		-15.50	124	139	155	171	182
		-16.00	139	156	173	191	203
		-16.50	155	174	192	212	225
		-17.00	167	186	207	227	241
		-17.50	183	204	226	248	264
		-18.00	199	222	246	270	287
		-18.50	211	236	261	286	303
		-19.00	221	247	273	300	318
		-19.50	232	258	286	313	332
		-20.00	243	271	299	328	348
		-20.50	260	289	320	350	371
		-21.00	281	313	345	378	401
		-21.50	303	337	372	408	431
		-22.00	325	362	399	437	462
		-22.50	347	386	426	466	493
6 - Ontgraven tot	-8.36	-12.50	37	43	49	55	60



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{t, netto; d}$ [kN]				
			290p o	320p o	350p o	380p o	400p o
		-13.00	54	62	70	78	84
		-13.50	71	81	91	101	108
		-14.00	88	99	111	123	131
		-14.50	104	116	130	143	153
		-15.00	114	128	142	157	167
		-15.50	127	142	158	174	185
		-16.00	143	160	178	196	208
		-16.50	158	177	196	216	229
		-17.00	172	192	213	234	248
		-17.50	183	204	226	248	263
		-18.00	197	220	243	267	283
		-18.50	211	236	261	286	304
		-19.00	228	254	281	308	327
		-19.50	246	274	303	332	352
		-20.00	263	293	324	355	376
		-20.50	285	318	351	384	407
		-21.00	307	342	377	413	437
		-21.50	330	367	404	442	468
		-22.00	352	391	431	472	499
		-22.50	374	416	458	501	530
7 - Ontgraven tot	-8.36	-12.50	39	45	51	58	62
		-13.00	56	64	72	80	86
		-13.50	74	83	93	104	111
		-14.00	91	102	114	126	135
		-14.50	108	122	136	150	159
		-15.00	124	140	155	171	182
		-15.50	136	153	170	187	199
		-16.00	151	169	187	206	219
		-16.50	168	187	208	228	242
		-17.00	177	197	219	240	255
		-17.50	188	210	233	256	271
		-18.00	199	223	246	270	287
		-18.50	213	238	263	289	306
		-19.00	224	250	276	303	321
		-19.50	237	264	291	320	339
		-20.00	254	283	313	343	364
		-20.50	272	303	334	367	388
		-21.00	286	319	352	385	408
		-21.50	307	342	378	413	438
		-22.00	330	367	404	443	468
		-22.50	352	391	431	472	499
8 - Ontgraven tot	-8.36	-12.50	37	43	49	56	60
		-13.00	53	60	68	76	82
		-13.50	71	80	90	100	107
		-14.00	85	96	107	119	127
		-14.50	96	108	121	134	143
		-15.00	106	119	133	147	157
		-15.50	115	129	143	158	169
		-16.00	122	137	153	169	180
		-16.50	132	148	164	181	193
		-17.00	144	161	179	197	209
		-17.50	155	173	192	212	225
		-18.00	163	182	202	223	236
		-18.50	170	190	210	232	246
		-19.00	177	198	219	241	256
		-19.50	185	207	230	253	268
		-20.00	203	226	251	276	292
		-20.50	224	250	277	304	322
		-21.00	246	274	303	333	353
		-21.50	268	299	330	362	384
		-22.00	290	323	357	391	414
		-22.50	312	348	384	420	445



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto;d} [kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o
9 - Ontgraven tot	-8.36	-12.50	37	43	49	56	60
		-13.00	55	62	71	79	85
		-13.50	72	81	91	102	109
		-14.00	89	101	112	124	133
		-14.50	104	116	130	143	153
		-15.00	114	129	143	158	168
		-15.50	125	140	156	172	183
		-16.00	134	151	167	184	196
		-16.50	143	160	177	196	208
		-17.00	151	169	187	206	219
		-17.50	158	177	197	217	230
		-18.00	167	187	207	228	242
		-18.50	174	195	216	238	253
		-19.00	186	207	230	253	268
		-19.50	202	225	249	274	291
		-20.00	224	250	276	303	322
		-20.50	245	274	302	332	352
		-21.00	266	297	328	359	380
		-21.50	288	321	354	388	411
		-22.00	310	346	381	418	442
		-22.50	333	370	408	447	473
10 - Ontgraven tot	-8.36	-12.50	34	40	46	52	56
		-13.00	51	58	65	73	79
		-13.50	67	76	85	95	102
		-14.00	79	90	100	112	119
		-14.50	94	105	118	130	139
		-15.00	109	123	137	151	161
		-15.50	124	139	155	171	182
		-16.00	137	154	171	188	200
		-16.50	147	164	182	201	213
		-17.00	162	181	201	221	235
		-17.50	172	193	214	235	249
		-18.00	186	208	231	253	269
		-18.50	204	228	252	277	294
		-19.00	220	246	272	298	316
		-19.50	231	258	285	312	331
		-20.00	245	273	301	331	350
		-20.50	261	290	321	352	373
		-21.00	277	308	341	373	395
		-21.50	298	332	366	401	425
		-22.00	320	356	393	430	455
		-22.50	342	381	420	459	486
11 - Ontgraven tot	-8.36	-12.50	32	37	42	48	53
		-13.00	47	54	62	69	74
		-13.50	65	74	83	92	99
		-14.00	78	88	99	110	118
		-14.50	90	101	113	125	134
		-15.00	98	110	123	136	145
		-15.50	108	122	135	150	160
		-16.00	126	141	157	173	184
		-16.50	143	161	178	197	209
		-17.00	161	180	199	219	233
		-17.50	176	197	218	240	255
		-18.00	194	216	239	263	279
		-18.50	206	231	255	280	297
		-19.00	217	242	267	294	311
		-19.50	229	255	282	309	328
		-20.00	246	274	303	333	352
		-20.50	268	299	330	362	383
		-21.00	290	323	357	391	414
		-21.50	313	348	384	420	445
		-22.00	335	372	411	449	476
		-22.50	357	397	437	479	506



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto; d} [kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o
12 - Ontgraven tot	-8.36	-12.50	35	41	47	53	57
		-13.00	52	60	67	76	81
		-13.50	70	79	89	99	106
		-14.00	86	97	109	121	129
		-14.50	100	112	125	138	147
		-15.00	114	128	143	157	168
		-15.50	132	148	164	181	192
		-16.00	146	164	181	200	212
		-16.50	161	180	200	220	233
		-17.00	175	196	217	238	253
		-17.50	186	208	230	253	268
		-18.00	200	223	247	271	287
		-18.50	211	235	260	285	303
		-19.00	225	251	278	305	323
		-19.50	241	269	297	326	345
		-20.00	258	287	317	347	368
		-20.50	275	306	338	370	392
		-21.00	291	324	358	392	415
		-21.50	309	344	380	416	440
		-22.00	329	366	404	442	468
		-22.50	351	391	431	471	499
13 - Ontgraven tot	-8.36	-12.50	36	42	48	55	59
		-13.00	54	62	70	78	84
		-13.50	70	79	89	99	106
		-14.00	82	93	104	115	123
		-14.50	92	104	116	129	137
		-15.00	104	117	131	144	154
		-15.50	116	130	145	160	170
		-16.00	132	148	165	182	193
		-16.50	149	167	185	204	216
		-17.00	163	183	202	223	236
		-17.50	180	201	223	245	260
		-18.00	195	218	241	265	281
		-18.50	208	232	257	282	299
		-19.00	224	249	276	303	321
		-19.50	241	269	297	326	346
		-20.00	259	289	319	349	370
		-20.50	277	309	341	373	395
		-21.00	296	329	363	398	421
		-21.50	314	350	386	423	447
		-22.00	336	374	413	452	478
		-22.50	359	399	439	481	509
14 - Ontgraven tot	-8.36	-12.50	38	44	50	57	61
		-13.00	56	64	72	80	86
		-13.50	73	82	92	103	110
		-14.00	85	95	107	118	126
		-14.50	98	110	123	136	145
		-15.00	109	123	137	151	161
		-15.50	122	137	152	168	178
		-16.00	139	156	173	191	203
		-16.50	157	176	195	214	228
		-17.00	170	191	211	232	246
		-17.50	186	207	230	252	268
		-18.00	202	225	249	274	290
		-18.50	217	242	268	294	312
		-19.00	237	265	292	321	340
		-19.50	257	287	317	347	368
		-20.00	275	307	338	371	393
		-20.50	286	319	352	385	408
		-21.00	301	335	369	404	428
		-21.50	318	354	390	427	452
		-22.00	331	368	406	444	470
		-22.50	346	385	425	465	492



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t, netto; d}$ [kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o
15 - Ontgraven tot	-8.36	-12.50	47	54	61	68	74
		-13.00	64	73	82	92	98
		-13.50	78	88	98	109	117
		-14.00	93	105	117	130	138
		-14.50	106	120	133	147	157
		-15.00	123	138	153	169	180
		-15.50	136	152	169	186	198
		-16.00	151	169	187	206	219
		-16.50	169	189	209	230	244
		-17.00	188	210	232	255	271
		-17.50	207	231	256	281	298
		-18.00	227	253	280	307	325
		-18.50	244	272	301	330	349
		-19.00	257	286	316	346	367
		-19.50	274	305	337	369	391
		-20.00	289	322	355	389	412
		-20.50	303	338	372	408	431
		-21.00	319	355	392	429	454
		-21.50	334	372	410	448	475
		-22.00	344	383	422	462	489
		-22.50	366	407	449	491	519
16 - Ontgraven tot	-8.36	-12.50	41	48	54	61	66
		-13.00	59	67	76	85	91
		-13.50	73	83	93	103	110
		-14.00	86	97	108	120	128
		-14.50	96	108	121	133	142
		-15.00	106	120	133	147	157
		-15.50	119	133	148	164	174
		-16.00	136	152	169	186	198
		-16.50	153	172	190	209	222
		-17.00	171	191	212	233	247
		-17.50	188	210	233	256	271
		-18.00	200	223	247	271	287
		-18.50	213	238	263	288	306
		-19.00	232	258	285	313	332
		-19.50	251	279	309	338	358
		-20.00	270	300	332	363	385
		-20.50	287	319	352	386	409
		-21.00	304	338	373	409	433
		-21.50	323	359	396	434	459
		-22.00	345	384	423	463	490
		-22.50	367	408	450	492	520
17 - Ontgraven tot	-8.36	-12.50	40	46	52	59	64
		-13.00	57	65	73	82	88
		-13.50	74	84	94	104	111
		-14.00	88	100	111	123	132
		-14.50	101	114	127	141	150
		-15.00	114	128	142	157	167
		-15.50	127	143	159	175	186
		-16.00	144	161	179	197	209
		-16.50	161	181	200	220	234
		-17.00	180	201	222	244	259
		-17.50	199	222	246	270	286
		-18.00	218	243	268	294	312
		-18.50	235	262	290	318	337
		-19.00	253	282	311	341	361
		-19.50	271	302	333	365	386
		-20.00	289	322	355	389	411
		-20.50	307	341	376	412	436
		-21.00	326	362	399	437	462
		-21.50	347	386	426	466	493
		-22.00	370	411	453	495	524
		-22.50	392	435	479	524	554



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld	paalpunt	$R_{t, netto; d}$		[kN]				
	niveau	niveau	290p o	320p o	350p o	380p o	400p o		
18 - Ontgraven tot	-8.36	-12.50	37	43	49	55	60		
		-13.00	53	61	69	77	83		
		-13.50	71	80	90	100	107		
		-14.00	86	97	109	121	129		
		-14.50	97	110	122	135	144		
		-15.00	110	124	138	153	163		
		-15.50	122	137	152	168	178		
		-16.00	130	146	162	178	190		
		-16.50	138	155	172	190	202		
		-17.00	150	168	187	206	219		
		-17.50	170	190	211	232	246		
		-18.00	192	215	238	261	277		
		-18.50	214	239	265	290	308		
		-19.00	233	260	287	315	334		
		-19.50	248	277	306	335	355		
		-20.00	266	296	327	358	380		
		-20.50	281	313	346	379	401		
		-21.00	299	333	367	402	426		
		-21.50	320	356	392	430	455		
		-22.00	340	379	417	457	483		
		-22.50	361	402	443	485	513		
19 - Ontgraven tot	-8.36	-12.50	44	51	58	65	70		
		-13.00	62	71	79	89	95		
		-13.50	76	86	97	107	115		
		-14.00	89	100	112	124	132		
		-14.50	105	118	131	145	155		
		-15.00	118	132	147	163	173		
		-15.50	133	149	165	182	193		
		-16.00	147	164	182	201	213		
		-16.50	160	179	198	218	232		
		-17.00	172	192	213	234	249		
		-17.50	185	207	229	252	267		
		-18.00	208	232	256	281	298		
		-18.50	230	256	283	310	329		
		-19.00	252	281	310	340	360		
		-19.50	273	304	335	367	389		
		-20.00	289	321	354	388	411		
		-20.50	306	341	376	412	436		
		-21.00	325	361	398	436	461		
		-21.50	347	386	425	465	492		
		-22.00	369	410	452	494	523		
		-22.50	391	435	479	523	554		



B2 Schroefinjectiepalen

Technosoft Paalfunderingen release 6.71a
jan 2023

5

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t, netto, d}$		[kN]	
	niveau	niveau	SI 350	SI 400	SI 450	SI 500
1	-4.24	-12.50	61	73	86	100
		-13.00	88	104	121	139
		-13.50	115	135	156	177
		-14.00	142	166	191	216
		-14.50	163	190	217	246
		-15.00	184	214	244	276
		-15.50	205	238	273	307
		-16.00	220	255	292	329
		-16.50	233	271	309	348
		-17.00	252	292	333	375
		-17.50	275	319	363	409
		-18.00	302	349	398	447
		-18.50	329	380	433	486
		-19.00	348	402	457	514
		-19.50	368	425	484	543
		-20.00	387	447	508	570
		-20.50	409	472	536	601
		-21.00	432	499	567	635
		-21.50	459	530	601	674
		-22.00	486	561	636	713
		-22.50	513	591	671	752
2	-4.31	-12.50	55	66	78	90
		-13.00	79	94	109	126
		-13.50	104	122	141	161
		-14.00	126	148	170	194
		-14.50	144	168	193	219
		-15.00	160	186	213	242
		-15.50	178	207	237	268
		-16.00	196	228	261	295
		-16.50	216	250	286	323
		-17.00	231	268	306	345
		-17.50	247	286	326	368
		-18.00	268	311	354	399
		-18.50	288	333	380	427
		-19.00	310	358	408	459
		-19.50	330	382	435	489
		-20.00	352	407	463	520
		-20.50	373	431	490	550
		-21.00	395	456	518	582
		-21.50	422	487	553	621
		-22.00	449	518	588	659
		-22.50	476	549	623	698
3	-4.03	-12.50	62	74	87	101



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{t; netto; d}$		[kN]	
			SI 350	SI 400	SI 450	SI 500
4	-4.21	-13.00	89	105	122	140
		-13.50	116	136	157	179
		-14.00	142	165	190	215
		-14.50	163	189	217	246
		-15.00	179	208	238	269
		-15.50	194	225	258	291
		-16.00	209	242	277	312
		-16.50	226	262	299	337
		-17.00	240	278	318	358
		-17.50	258	299	341	384
		-18.00	283	328	374	421
		-18.50	309	358	407	458
		-19.00	333	385	439	493
		-19.50	349	404	459	516
		-20.00	366	423	481	540
		-20.50	379	437	497	558
		-21.00	405	467	531	596
		-21.50	432	498	566	635
		-22.00	459	529	601	674
		-22.50	485	560	636	712
		-12.50	59	71	83	96
		-13.00	83	99	115	131
		-13.50	108	126	146	166
		-14.00	131	153	176	200
		-14.50	155	181	207	235
		-15.00	179	208	238	269
		-15.50	202	235	269	303
		-16.00	227	264	301	339
		-16.50	254	295	336	378
		-17.00	279	323	368	414
		-17.50	300	347	395	444
		-18.00	323	373	424	477
		-18.50	341	394	448	503
		-19.00	356	411	467	525
		-19.50	377	435	494	555
		-20.00	398	460	522	586
		-20.50	423	489	555	622
		-21.00	450	520	590	661
		-21.50	477	550	625	700
		-22.00	504	581	660	739
		-22.50	531	612	694	778
5	-4.10	-12.50	63	75	88	101
		-13.00	89	106	122	140
		-13.50	116	136	157	179
		-14.00	143	167	192	218
		-14.50	168	195	224	253
		-15.00	183	213	243	275
		-15.50	198	230	263	297
		-16.00	220	255	291	328
		-16.50	240	279	318	358
		-17.00	258	298	340	383
		-17.50	279	323	368	413
		-18.00	300	347	396	445
		-18.50	317	367	418	469
		-19.00	332	384	437	491
		-19.50	346	400	455	512
		-20.00	362	418	476	534
		-20.50	385	445	506	568
		-21.00	412	476	541	607
		-21.50	439	507	576	646
		-22.00	466	538	611	685
		-22.50	493	569	646	724



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	R _{t, netto; d} [kN]			
			SI 350	SI 400	SI 450	SI 500
6	-4.28	-12.50	58	70	82	95
		-13.00	85	100	116	133
		-13.50	111	130	150	171
		-14.00	136	159	183	208
		-14.50	159	185	212	240
		-15.00	174	203	232	263
		-15.50	193	224	256	289
		-16.00	214	249	284	321
		-16.50	236	273	312	351
		-17.00	255	295	337	379
		-17.50	270	313	357	402
		-18.00	290	336	383	431
		-18.50	311	359	409	460
		-19.00	334	386	439	494
		-19.50	359	414	471	529
		-20.00	383	442	502	564
		-20.50	410	473	537	603
		-21.00	436	504	572	641
		-21.50	463	534	607	680
		-22.00	490	565	642	719
7	-4.33	-12.50	61	72	85	98
		-13.00	86	102	119	136
		-13.50	112	132	152	173
		-14.00	138	161	186	211
		-14.50	165	192	220	249
		-15.00	189	219	251	283
		-15.50	207	240	274	309
		-16.00	226	262	300	338
		-16.50	247	287	327	368
		-17.00	260	302	344	387
		-17.50	277	321	366	411
		-18.00	292	338	385	433
		-18.50	312	360	410	461
		-19.00	326	377	430	483
		-19.50	344	397	452	508
		-20.00	367	423	482	541
		-20.50	389	450	511	574
		-21.00	409	472	536	602
		-21.50	435	502	570	640
		-22.00	462	533	605	678
8	-4.35	-12.50	59	70	82	96
		-13.00	83	98	114	130
		-13.50	107	126	145	166
		-14.00	130	152	175	198
		-14.50	147	172	198	224
		-15.00	163	189	217	246
		-15.50	175	204	234	264
		-16.00	187	217	249	281
		-16.50	200	233	266	300
		-17.00	217	252	288	325
		-17.50	233	270	309	348
		-18.00	244	283	324	365
		-18.50	254	294	336	379
		-19.00	264	306	349	393
		-19.50	276	320	365	411
		-20.00	299	346	395	444
		-20.50	326	377	430	483
		-21.00	353	408	465	522
		-21.50	380	439	499	561
		-22.00	407	470	534	600
		-22.50	434	501	569	639



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	R _{t, netto; d} [kN]			
			SI 350	SI 400	SI 450	SI 500
9	-4.34	-12.50	59	71	83	96
		-13.00	85	101	117	134
		-13.50	112	131	151	172
		-14.00	138	161	185	210
		-14.50	160	186	214	242
		-15.00	177	206	235	266
		-15.50	192	224	256	289
		-16.00	206	239	274	309
		-16.50	218	253	290	327
		-17.00	230	267	304	343
		-17.50	241	279	319	360
		-18.00	253	293	335	377
		-18.50	263	305	348	392
		-19.00	279	323	368	415
		-19.50	299	347	395	445
		-20.00	326	378	430	483
		-20.50	353	408	465	522
		-21.00	380	439	499	561
		-21.50	407	470	534	600
		-22.00	434	501	569	638
10	-4.05	-12.50	56	67	79	91
		-13.00	80	95	110	127
		-13.50	104	123	142	162
		-14.00	125	147	169	192
		-14.50	146	171	196	223
		-15.00	168	195	224	253
		-15.50	189	220	252	284
		-16.00	209	243	277	313
		-16.50	223	259	296	334
		-17.00	244	283	323	364
		-17.50	260	301	343	387
		-18.00	279	323	369	415
		-18.50	302	350	399	448
		-19.00	324	375	427	480
		-19.50	339	392	447	502
		-20.00	359	415	472	530
		-20.50	380	439	499	561
		-21.00	402	464	527	592
		-21.50	428	494	561	630
		-22.00	455	525	596	669
11	-4.07	-12.50	50	60	71	83
		-13.00	72	86	101	116
		-13.50	95	113	130	149
		-14.00	117	137	158	180
		-14.50	135	158	182	207
		-15.00	148	172	198	225
		-15.50	164	191	219	248
		-16.00	189	220	252	285
		-16.50	215	250	286	322
		-17.00	239	277	317	357
		-17.50	261	302	345	388
		-18.00	282	327	373	419
		-18.50	301	348	397	446
		-19.00	316	365	416	467
		-19.50	332	384	437	491
		-20.00	356	411	468	526
		-20.50	383	442	503	564
		-21.00	410	473	538	603
		-21.50	437	504	572	642
		-22.00	464	535	607	681
		-22.50	491	566	642	720



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	R _{t, netto; d} [kN]			
			SI 350	SI 400	SI 450	SI 500
12	-4.04	-12.50	57	69	81	94
		-13.00	84	99	116	132
		-13.50	111	130	150	171
		-14.00	137	160	184	208
		-14.50	158	184	211	239
		-15.00	178	208	238	269
		-15.50	200	233	266	300
		-16.00	221	257	293	330
		-16.50	243	281	321	362
		-17.00	263	304	347	390
		-17.50	279	323	368	414
		-18.00	298	345	393	442
		-18.50	314	363	414	465
		-19.00	334	386	440	494
		-19.50	355	410	466	524
		-20.00	377	435	495	555
		-20.50	399	461	524	588
		-21.00	422	487	553	620
		-21.50	444	513	582	653
		-22.00	470	542	615	689
		-22.50	497	572	650	728
13	-4.03	-12.50	60	71	84	97
		-13.00	84	100	116	133
		-13.50	109	128	147	168
		-14.00	129	151	173	197
		-14.50	146	170	196	222
		-15.00	165	192	220	249
		-15.50	183	213	244	276
		-16.00	205	238	272	307
		-16.50	226	263	300	338
		-17.00	247	287	327	368
		-17.50	269	312	355	400
		-18.00	290	335	382	430
		-18.50	309	358	407	458
		-19.00	331	382	435	489
		-19.50	355	410	466	523
		-20.00	379	437	497	558
		-20.50	403	465	528	593
		-21.00	427	493	559	628
		-21.50	451	521	591	663
		-22.00	478	552	626	702
		-22.50	505	582	661	741
14	-4.04	-12.50	63	75	88	102
		-13.00	90	106	123	141
		-13.50	117	137	158	180
		-14.00	137	160	184	209
		-14.50	158	184	211	239
		-15.00	175	204	234	264
		-15.50	195	227	259	293
		-16.00	219	255	291	328
		-16.50	244	283	322	363
		-17.00	264	306	349	392
		-17.50	286	331	377	423
		-18.00	307	355	404	454
		-18.50	328	379	432	485
		-19.00	355	410	466	524
		-19.50	382	441	501	563
		-20.00	407	470	533	598
		-20.50	422	487	553	620
		-21.00	440	508	577	647
		-21.50	462	533	605	678
		-22.00	480	553	628	704
		-22.50	500	576	654	733



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	R _{t, netto; d} [kN]			
			SI 350	SI 400	SI 450	SI 500
15	-3.79	-12.50	79	94	109	126
		-13.00	106	124	143	163
		-13.50	129	150	173	197
		-14.00	150	175	201	227
		-14.50	170	198	227	256
		-15.00	192	223	255	288
		-15.50	213	247	282	318
		-16.00	235	273	311	351
		-16.50	262	304	346	390
		-17.00	289	335	381	428
		-17.50	316	366	416	467
		-18.00	343	396	451	506
		-18.50	368	425	482	541
		-19.00	386	445	506	568
		-19.50	408	470	534	599
		-20.00	428	493	560	628
		-20.50	446	515	584	655
		-21.00	467	539	611	685
		-21.50	486	561	636	713
		-22.00	501	577	655	734
		-22.50	527	608	690	772
16	-3.91	-12.50	67	79	93	107
		-13.00	91	107	125	142
		-13.50	114	133	154	175
		-14.00	134	157	180	204
		-14.50	150	176	202	228
		-15.00	167	195	223	253
		-15.50	186	217	248	280
		-16.00	212	246	281	317
		-16.50	238	276	315	354
		-17.00	264	306	348	392
		-17.50	289	335	381	429
		-18.00	306	354	403	453
		-18.50	325	376	428	480
		-19.00	352	406	462	519
		-19.50	378	437	497	558
		-20.00	405	468	531	596
		-20.50	427	492	559	627
		-21.00	448	517	587	658
		-21.50	473	545	619	693
		-22.00	500	576	654	732
		-22.50	527	607	688	771
17	-4.01	-12.50	67	79	93	107
		-13.00	93	109	127	145
		-13.50	119	139	161	183
		-14.00	142	166	190	216
		-14.50	162	189	217	245
		-15.00	181	211	241	272
		-15.50	201	233	267	301
		-16.00	226	262	299	337
		-16.50	250	290	331	372
		-17.00	276	320	364	410
		-17.50	303	351	399	449
		-18.00	330	381	433	487
		-18.50	355	410	466	523
		-19.00	380	439	499	559
		-19.50	405	468	531	596
		-20.00	431	497	564	633
		-20.50	456	526	596	669
		-21.00	482	556	631	707
		-21.50	509	587	665	745
		-22.00	536	618	700	784
		-22.50	563	648	735	823



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{t; netto; d}$ [kN]			
			SI 350	SI 400	SI 450	SI 500
18	-4.40	-12.50	57	69	81	94
		-13.00	83	99	115	132
		-13.50	110	129	149	170
		-14.00	134	156	180	204
		-14.50	151	176	202	229
		-15.00	171	199	228	257
		-15.50	187	218	249	282
		-16.00	199	232	265	299
		-16.50	212	246	281	317
		-17.00	229	265	303	342
		-17.50	254	294	336	378
		-18.00	281	325	371	417
		-18.50	308	356	406	456
		-19.00	332	384	437	491
		-19.50	351	406	461	518
		-20.00	373	431	490	550
		-20.50	393	454	516	579
		-21.00	416	480	546	612
		-21.50	443	511	581	651
		-22.00	470	542	615	690
		-22.50	497	573	650	729
19	-4.20	-12.50	71	85	99	114
		-13.00	98	115	133	152
		-13.50	121	141	163	185
		-14.00	141	165	189	214
		-14.50	163	189	217	246
		-15.00	182	212	243	274
		-15.50	202	234	268	302
		-16.00	222	258	294	332
		-16.50	241	280	319	360
		-17.00	259	300	342	385
		-17.50	278	321	366	412
		-18.00	304	352	401	451
		-18.50	331	383	436	490
		-19.00	358	414	471	528
		-19.50	385	444	505	566
		-20.00	406	468	532	597
		-20.50	427	493	560	628
		-21.00	451	521	591	663
		-21.50	478	551	626	701
		-22.00	505	582	661	740
		-22.50	532	613	696	779



Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto; d} [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
1 - Ontgraven tot	-8.36	-12.50	46	55	66	77
		-13.00	66	79	92	107
		-13.50	88	104	120	138
		-14.00	109	128	148	169
		-14.50	125	146	169	192
		-15.00	143	167	192	218
		-15.50	162	188	216	245
		-16.00	173	202	232	262
		-16.50	184	215	246	278
		-17.00	200	233	266	301
		-17.50	220	255	292	329
		-18.00	244	283	323	364
		-18.50	268	310	354	399
		-19.00	284	329	375	423
		-19.50	302	350	399	449
		-20.00	319	370	421	473
		-20.50	341	394	449	505
		-21.00	363	419	477	536
		-21.50	390	450	512	575
		-22.00	417	481	547	614
2 - Ontgraven tot	-8.36	-12.50	42	51	61	71
		-13.00	60	72	85	99
		-13.50	80	95	111	127
		-14.00	98	115	134	153
		-14.50	111	131	151	172
		-15.00	124	145	167	190
		-15.50	138	162	186	212
		-16.00	153	179	206	233
		-16.50	169	197	226	256
		-17.00	182	212	243	275
		-17.50	195	227	260	294
		-18.00	216	251	287	325
		-18.50	234	272	311	351
		-19.00	255	296	338	381
		-19.50	274	318	363	409
		-20.00	296	342	390	439
		-20.50	315	365	416	468
		-21.00	336	388	442	497
		-21.50	363	419	477	536
		-22.00	390	450	512	575
		-22.50	416	481	547	614



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
3 - Ontgraven tot	-8.36	-12.50	45	54	65	76
		-13.00	66	79	92	107
		-13.50	88	104	120	138
		-14.00	106	125	145	165
		-14.50	122	143	165	187
		-15.00	134	157	181	206
		-15.50	146	171	196	223
		-16.00	158	184	211	240
		-16.50	171	200	229	260
		-17.00	183	213	244	277
		-17.50	198	230	264	298
		-18.00	219	255	291	329
		-18.50	241	279	319	360
		-19.00	261	303	346	390
		-19.50	275	319	364	410
		-20.00	290	336	383	431
		-20.50	300	348	397	447
		-21.00	324	375	428	481
		-21.50	351	406	462	520
		-22.00	378	437	497	559
		-22.50	405	468	532	598
4 - Ontgraven tot	-8.36	-12.50	45	54	65	76
		-13.00	66	79	93	107
		-13.50	85	101	117	135
		-14.00	104	122	141	161
		-14.50	124	145	168	191
		-15.00	144	169	194	220
		-15.50	165	193	221	250
		-16.00	187	218	249	282
		-16.50	212	246	281	317
		-17.00	234	271	310	349
		-17.50	253	294	335	377
		-18.00	275	319	363	409
		-18.50	292	337	385	433
		-19.00	305	353	402	452
		-19.50	324	375	427	480
		-20.00	345	399	454	510
		-20.50	369	427	485	545
		-21.00	396	458	520	584
		-21.50	423	488	555	623
		-22.00	450	519	590	662
		-22.50	477	550	624	700
5 - Ontgraven tot	-8.36	-12.50	45	55	65	76
		-13.00	66	79	92	106
		-13.50	86	102	119	136
		-14.00	107	126	146	166
		-14.50	126	148	170	194
		-15.00	138	161	185	211
		-15.50	150	175	201	228
		-16.00	168	196	225	255
		-16.50	188	218	250	283
		-17.00	202	235	268	303
		-17.50	221	257	294	331
		-18.00	241	280	320	360
		-18.50	256	296	338	381
		-19.00	268	311	355	399
		-19.50	281	325	371	418
		-20.00	294	341	388	437
		-20.50	315	364	415	467
		-21.00	340	394	448	504
		-21.50	367	425	483	543
		-22.00	394	456	518	582
		-22.50	421	486	553	621



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
6 - Ontgraven tot	-8.36	-12.50	44	53	63	74
		-13.00	65	77	91	105
		-13.50	86	101	118	135
		-14.00	106	124	144	164
		-14.50	125	146	169	192
		-15.00	137	160	185	210
		-15.50	153	179	205	233
		-16.00	173	202	231	262
		-16.50	191	222	255	288
		-17.00	208	241	276	312
		-17.50	221	257	293	331
		-18.00	238	277	316	356
		-18.50	256	297	339	382
		-19.00	276	320	365	411
		-19.50	298	345	393	442
		-20.00	319	369	421	473
		-20.50	346	400	455	512
		-21.00	373	431	490	551
		-21.50	400	462	525	589
		-22.00	427	493	560	628
		-22.50	454	524	595	667
7 - Ontgraven tot	-8.36	-12.50	46	56	66	78
		-13.00	67	80	93	108
		-13.50	89	105	121	139
		-14.00	109	128	148	169
		-14.50	131	153	176	200
		-15.00	150	175	201	228
		-15.50	165	192	220	250
		-16.00	182	212	243	275
		-16.50	203	236	270	304
		-17.00	214	248	284	321
		-17.50	228	265	303	341
		-18.00	241	280	320	361
		-18.50	258	299	342	385
		-19.00	271	314	358	404
		-19.50	287	332	379	426
		-20.00	308	357	407	458
		-20.50	330	381	434	489
		-21.00	347	401	457	513
		-21.50	373	431	490	551
		-22.00	400	462	525	590
		-22.50	427	493	560	628
8 - Ontgraven tot	-8.36	-12.50	44	54	64	75
		-13.00	63	75	89	102
		-13.50	85	100	117	134
		-14.00	102	120	139	159
		-14.50	116	136	157	179
		-15.00	128	150	173	197
		-15.50	138	162	186	212
		-16.00	148	173	199	226
		-16.50	159	186	213	242
		-17.00	174	202	232	263
		-17.50	187	218	249	282
		-18.00	197	229	263	297
		-18.50	205	239	273	309
		-19.00	214	249	285	322
		-19.50	224	261	299	337
		-20.00	245	285	326	368
		-20.50	271	315	359	405
		-21.00	298	345	394	444
		-21.50	325	376	429	483
		-22.00	352	407	464	521
		-22.50	379	438	499	560



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
9 - Ontgraven tot	-8.36	-12.50	44	54	64	75
		-13.00	66	78	92	106
		-13.50	86	102	119	136
		-14.00	107	126	146	167
		-14.50	125	146	169	192
		-15.00	138	162	186	211
		-15.50	151	176	202	230
		-16.00	162	189	217	246
		-16.50	172	201	231	261
		-17.00	182	212	243	275
		-17.50	192	223	256	289
		-18.00	202	235	269	305
		-18.50	211	246	281	318
		-19.00	224	261	299	337
		-19.50	244	283	324	366
		-20.00	271	314	359	404
		-20.50	297	345	393	442
		-21.00	323	373	425	479
		-21.50	349	404	460	518
		-22.00	376	435	495	556
		-22.50	403	466	530	595
10 - Ontgraven tot	-8.36	-12.50	40	49	59	70
		-13.00	60	72	85	99
		-13.50	80	95	111	128
		-14.00	95	113	131	149
		-14.50	113	132	153	174
		-15.00	132	154	178	202
		-15.50	150	175	201	228
		-16.00	166	193	222	251
		-16.50	177	207	237	268
		-17.00	196	228	261	295
		-17.50	209	243	278	314
		-18.00	225	262	299	338
		-18.50	247	287	327	369
		-19.00	267	309	353	398
		-19.50	280	324	370	416
		-20.00	297	343	392	441
		-20.50	316	366	417	469
		-21.00	336	388	442	497
		-21.50	361	418	475	534
		-22.00	388	449	510	573
		-22.50	415	480	545	612
11 - Ontgraven tot	-8.36	-12.50	37	46	55	65
		-13.00	56	68	80	93
		-13.50	78	92	108	124
		-14.00	94	111	129	147
		-14.50	108	127	147	168
		-15.00	118	138	160	182
		-15.50	130	153	176	200
		-16.00	152	177	204	231
		-16.50	173	202	232	263
		-17.00	194	226	259	293
		-17.50	213	248	284	320
		-18.00	234	272	311	351
		-18.50	250	290	331	373
		-19.00	263	304	347	392
		-19.50	277	321	366	412
		-20.00	298	345	394	443
		-20.50	325	376	429	482
		-21.00	352	407	464	521
		-21.50	379	438	498	560
		-22.00	406	469	533	599
		-22.50	433	500	568	637



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
12 - Ontgraven tot	-8.36	-12.50	42	51	61	71
		-13.00	62	75	88	102
		-13.50	84	100	116	133
		-14.00	104	122	141	161
		-14.50	120	141	162	185
		-15.00	138	161	185	210
		-15.50	159	186	213	242
		-16.00	177	206	236	267
		-16.50	195	226	259	293
		-17.00	212	246	281	318
		-17.50	225	261	299	337
		-18.00	242	281	320	361
		-18.50	255	296	338	381
		-19.00	273	316	361	407
		-19.50	292	338	386	434
		-20.00	312	361	412	463
		-20.50	333	386	439	494
		-21.00	353	409	465	523
		-21.50	375	433	493	554
		-22.00	399	461	524	589
		-22.50	426	492	559	628
13 - Ontgraven tot	-8.36	-12.50	43	53	63	74
		-13.00	65	77	90	105
		-13.50	84	100	116	133
		-14.00	99	116	135	154
		-14.50	111	131	151	172
		-15.00	126	147	170	193
		-15.50	140	164	188	214
		-16.00	160	186	214	243
		-16.50	180	210	240	272
		-17.00	197	230	263	297
		-17.50	218	253	290	327
		-18.00	236	274	313	353
		-18.50	252	292	334	376
		-19.00	271	314	358	403
		-19.50	292	339	386	435
		-20.00	314	363	414	466
		-20.50	336	389	442	498
		-21.00	358	414	472	530
		-21.50	381	441	501	563
		-22.00	408	471	536	602
		-22.50	435	502	571	640
14 - Ontgraven tot	-8.36	-12.50	45	55	65	77
		-13.00	67	80	93	108
		-13.50	87	103	120	137
		-14.00	102	120	139	158
		-14.50	118	138	159	181
		-15.00	132	154	178	202
		-15.50	147	172	197	224
		-16.00	168	196	225	255
		-16.50	190	221	253	286
		-17.00	206	240	274	310
		-17.50	225	261	298	337
		-18.00	244	283	324	365
		-18.50	263	305	348	392
		-19.00	288	333	380	427
		-19.50	312	361	411	463
		-20.00	334	386	440	494
		-20.50	347	401	457	513
		-21.00	365	422	480	539
		-21.50	386	446	507	569
		-22.00	401	464	527	592
		-22.50	420	485	551	619



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
15 - Ontgraven tot	-8.36	-12.50	56	67	79	92
		-13.00	77	92	107	123
		-13.50	93	110	128	146
		-14.00	112	132	152	173
		-14.50	128	150	173	197
		-15.00	148	173	199	225
		-15.50	164	192	220	249
		-16.00	182	212	243	275
		-16.50	204	237	271	306
		-17.00	228	264	302	340
		-17.50	251	291	332	374
		-18.00	275	319	363	409
		-18.50	296	343	390	439
		-19.00	311	360	410	461
		-19.50	332	384	437	492
		-20.00	351	406	461	518
		-20.50	368	425	484	543
		-21.00	388	448	509	572
		-21.50	405	468	532	597
		-22.00	418	483	548	616
		-22.50	445	513	583	654
16 - Ontgraven tot	-8.36	-12.50	49	60	71	83
		-13.00	71	85	99	114
		-13.50	88	104	121	138
		-14.00	103	121	140	160
		-14.50	116	136	157	178
		-15.00	128	150	173	197
		-15.50	143	167	193	219
		-16.00	164	191	219	248
		-16.50	185	216	247	279
		-17.00	207	241	275	311
		-17.50	228	265	303	341
		-18.00	242	281	321	361
		-18.50	258	299	341	385
		-19.00	281	325	371	417
		-19.50	304	352	401	451
		-20.00	327	378	431	484
		-20.50	348	402	458	514
		-21.00	369	426	485	545
		-21.50	392	452	514	578
		-22.00	419	483	549	616
		-22.50	445	514	584	655
17 - Ontgraven tot	-8.36	-12.50	47	57	68	80
		-13.00	68	81	95	110
		-13.50	89	105	122	140
		-14.00	106	125	145	165
		-14.50	122	143	165	188
		-15.00	137	161	185	210
		-15.50	154	179	206	234
		-16.00	174	203	232	263
		-16.50	195	227	260	294
		-17.00	217	253	289	326
		-17.50	241	280	319	360
		-18.00	264	306	349	393
		-18.50	285	330	376	423
		-19.00	307	355	404	455
		-19.50	329	380	433	486
		-20.00	350	405	461	518
		-20.50	372	430	489	549
		-21.00	395	456	519	582
		-21.50	422	487	553	620
		-22.00	449	518	588	659
		-22.50	475	548	623	698



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]			
	niveau	niveau	SI 350 o	SI 400 o	SI 450 o	SI 500 o
18 - Ontgraven tot	-8.36	-12.50	44	53	63	74
		-13.00	64	76	90	104
		-13.50	85	101	117	134
		-14.00	104	122	141	161
		-14.50	117	138	159	181
		-15.00	133	156	180	204
		-15.50	147	172	197	224
		-16.00	157	183	210	238
		-16.50	167	195	224	254
		-17.00	182	212	243	275
		-17.50	206	239	274	309
		-18.00	233	270	309	348
		-18.50	260	301	344	387
		-19.00	283	328	373	420
		-19.50	301	349	397	447
		-20.00	322	373	425	478
		-20.50	341	395	449	505
		-21.00	363	419	477	536
		-21.50	388	448	510	572
		-22.00	413	477	542	608
		-22.50	439	506	575	645
19 - Ontgraven tot	-8.36	-12.50	53	64	75	87
		-13.00	75	88	103	119
		-13.50	92	108	126	144
		-14.00	107	126	146	166
		-14.50	127	148	171	194
		-15.00	142	166	191	217
		-15.50	160	187	214	243
		-16.00	178	207	237	268
		-16.50	194	225	258	291
		-17.00	208	242	277	312
		-17.50	224	261	298	336
		-18.00	251	292	333	375
		-18.50	278	322	368	414
		-19.00	305	353	402	453
		-19.50	331	382	435	489
		-20.00	350	404	460	517
		-20.50	372	429	488	548
		-21.00	394	455	517	581
		-21.50	421	486	552	620
		-22.00	448	517	587	658
		-22.50	475	548	622	697



B3 Avegaarpalen

Technosoft Paalfunderingen release 6.71
1 sep 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld niveau	paalpunt niveau	$R_{t, netto; d}$ [kN]				
			350	400	450	500	550
1	-4.24	-12.50	40	49	59	69	40
		-13.00	54	65	77	89	54
		-13.50	68	81	95	109	68
		-14.00	81	96	112	129	81
		-14.50	92	109	126	145	92
		-15.00	103	121	140	160	103
		-15.50	114	134	155	177	114
		-16.00	121	143	165	188	121
		-16.50	128	151	174	198	128
		-17.00	138	162	186	212	138
		-17.50	150	175	202	229	150
		-18.00	164	191	220	249	164
		-18.50	177	207	238	269	177
		-19.00	187	218	250	284	187
		-19.50	197	230	264	299	197
		-20.00	207	241	277	313	207
		-20.50	218	254	291	329	218
		-21.00	230	268	307	347	230
		-21.50	244	284	325	367	244
		-22.00	258	300	343	387	258
		-22.50	272	315	361	407	272
2	-4.31	-12.50	37	45	55	65	37
		-13.00	49	60	71	83	49
		-13.50	62	74	87	101	62
		-14.00	73	87	102	118	73
		-14.50	82	98	114	131	82
		-15.00	91	107	125	143	91
		-15.50	100	118	137	157	100
		-16.00	109	129	149	171	109
		-16.50	119	140	162	185	119
		-17.00	127	150	173	197	127
		-17.50	135	159	183	209	135
		-18.00	147	172	198	225	147
		-18.50	157	183	211	240	157
		-19.00	168	196	226	256	168
		-19.50	178	208	240	272	178
		-20.00	190	221	254	288	190
		-20.50	200	234	268	304	200
		-21.00	212	247	283	320	212
		-21.50	225	262	301	340	225
		-22.00	239	278	319	360	239
		-22.50	253	294	336	380	253
3	-4.03	-12.50	41	50	59	70	41
		-13.00	54	65	77	90	54



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t, netto; d}	[kN]				
				350	400	450	500	550
		-13.50		68	81	95	110	68
		-14.00		81	96	112	129	81
		-14.50		92	108	126	144	92
		-15.00		100	118	137	157	100
		-15.50		108	127	147	168	108
		-16.00		116	136	157	180	116
		-16.50		124	146	169	193	124
		-17.00		132	155	179	204	132
		-17.50		141	166	191	217	141
		-18.00		154	180	208	236	154
		-18.50		167	196	225	255	167
		-19.00		180	210	241	273	180
		-19.50		188	219	252	286	188
		-20.00		197	229	263	298	197
		-20.50		203	237	272	308	203
		-21.00		217	252	289	327	217
		-21.50		230	268	307	347	230
		-22.00		244	284	325	367	244
		-22.50		258	300	343	387	258
4	-4.21	-12.50		39	48	57	68	39
		-13.00		51	62	73	86	51
		-13.50		64	76	90	104	64
		-14.00		76	90	105	121	76
		-14.50		88	104	121	139	88
		-15.00		100	118	137	157	100
		-15.50		112	132	153	174	112
		-16.00		125	147	169	193	125
		-16.50		139	163	187	213	139
		-17.00		151	177	204	231	151
		-17.50		162	190	218	247	162
		-18.00		174	203	233	264	174
		-18.50		183	214	245	278	183
		-19.00		191	223	255	289	191
		-19.50		202	235	269	305	202
		-20.00		213	248	284	321	213
		-20.50		226	263	301	340	226
5	-4.10	-12.50		41	50	59	70	41
		-13.00		54	65	77	90	54
		-13.50		68	81	95	110	68
		-14.00		82	97	113	130	82
		-14.50		94	112	129	148	94
		-15.00		102	120	140	160	102
		-15.50		110	130	150	171	110
		-16.00		121	142	164	188	121
		-16.50		132	155	178	203	132
		-17.00		141	165	190	216	141
		-17.50		152	177	204	232	152
6	-4.28	-12.50		38	47	57	67	38



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	R _{t; netto; d} [kN]				
				350	400	450	500	550
			-13.00	52	63	74	86	52
			-13.50	65	78	92	106	65
			-14.00	78	93	109	125	78
			-14.50	90	106	124	142	90
			-15.00	98	116	134	154	98
			-15.50	107	126	146	167	107
			-16.00	118	139	161	184	118
			-16.50	129	152	175	200	129
			-17.00	139	163	188	214	139
			-17.50	147	173	199	226	147
			-18.00	158	184	212	241	158
			-18.50	168	196	226	256	168
			-19.00	180	210	241	274	180
			-19.50	193	225	258	292	193
			-20.00	205	239	274	310	205
			-20.50	219	255	292	330	219
			-21.00	232	270	310	350	232
			-21.50	246	286	327	370	246
			-22.00	260	302	345	390	260
			-22.50	274	318	363	410	274
7	-4.33		-12.50	40	48	58	69	40
			-13.00	53	64	75	88	53
			-13.50	66	79	93	107	66
			-14.00	79	94	110	126	79
			-14.50	93	110	127	146	93
			-15.00	105	124	143	164	105
			-15.50	114	134	155	177	114
			-16.00	124	146	169	192	124
			-16.50	135	159	183	208	135
			-17.00	142	167	192	218	142
			-17.50	151	176	203	231	151
			-18.00	159	186	213	242	159
			-18.50	169	197	226	257	169
			-19.00	176	206	237	268	176
			-19.50	185	216	248	281	185
			-20.00	197	230	263	298	197
8	-4.35		-20.50	209	243	279	316	209
			-21.00	218	254	292	330	218
			-21.50	232	270	309	350	232
			-22.00	246	286	327	370	246
			-22.50	259	302	345	390	259
			-12.50	39	47	57	67	39
			-13.00	51	62	73	85	51
			-13.50	64	76	89	103	64
			-14.00	75	89	104	120	75
			-14.50	84	100	116	134	84
			-15.00	92	109	127	145	92
			-15.50	99	116	135	155	99
			-16.00	105	123	143	164	105
			-16.50	112	132	152	174	112
			-17.00	120	142	164	187	120
			-17.50	129	151	175	199	129
			-18.00	135	158	183	208	135
			-18.50	140	164	189	216	140
			-19.00	145	170	196	223	145
			-19.50	151	177	205	233	151
			-20.00	163	191	220	250	163
			-20.50	177	207	238	270	177
			-21.00	191	223	256	290	191
			-21.50	204	239	274	310	204
			-22.00	218	254	292	330	218
			-22.50	232	270	310	350	232



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]				
	niveau	niveau	350	400	450	500	550
9	-4.34	-12.50	39	48	57	67	39
		-13.00	52	63	75	87	52
		-13.50	66	79	92	107	66
		-14.00	79	94	110	126	79
		-14.50	90	107	124	143	90
		-15.00	99	117	136	155	99
		-15.50	107	126	146	167	107
		-16.00	114	135	156	178	114
		-16.50	121	142	164	187	121
		-17.00	127	149	172	196	127
		-17.50	133	156	180	205	133
		-18.00	139	163	188	214	139
		-18.50	144	169	195	222	144
		-19.00	152	179	206	234	152
		-19.50	163	191	220	250	163
		-20.00	177	207	238	270	177
		-20.50	191	222	256	290	191
		-21.00	204	238	273	310	204
		-21.50	218	254	291	330	218
		-22.00	232	270	309	350	232
		-22.50	245	286	327	370	245
10	-4.05	-12.50	37	46	55	65	37
		-13.00	50	60	71	83	50
		-13.50	62	74	87	101	62
		-14.00	73	87	101	117	73
		-14.50	84	99	116	133	84
		-15.00	95	112	130	149	95
		-15.50	106	124	144	165	106
		-16.00	116	136	158	180	116
		-16.50	123	145	167	191	123
		-17.00	134	157	181	207	134
		-17.50	142	167	192	218	142
		-18.00	152	178	205	233	152
		-18.50	164	192	221	250	164
		-19.00	175	205	235	267	175
		-19.50	183	214	245	278	183
		-20.00	193	225	258	293	193
		-20.50	204	238	273	309	204
		-21.00	215	251	287	325	215
		-21.50	229	266	305	345	229
		-22.00	242	282	323	365	242
		-22.50	256	298	341	385	256
11	-4.07	-12.50	34	42	51	61	34
		-13.00	46	56	66	78	46
		-13.50	58	69	82	95	58
		-14.00	69	82	96	111	69
		-14.50	78	93	108	125	78
		-15.00	85	100	117	135	85
		-15.50	93	110	128	147	93
		-16.00	106	125	145	166	106
		-16.50	119	140	162	185	119
		-17.00	132	154	178	203	132
		-17.50	143	167	193	219	143
		-18.00	154	180	207	235	154
		-18.50	163	191	220	249	163
		-19.00	171	200	230	261	171
		-19.50	179	210	241	273	179
		-20.00	192	223	257	291	192
		-20.50	205	239	274	311	205
		-21.00	219	255	292	331	219
		-21.50	233	271	310	351	233
		-22.00	247	287	328	371	247
		-22.50	260	303	346	391	260



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto; d} [kN]				
	niveau	niveau	350	400	450	500	550
12	-4.04	-12.50	38	47	56	66	38
		-13.00	52	62	74	86	52
		-13.50	65	78	92	106	65
		-14.00	79	93	109	125	79
		-14.50	89	106	123	141	89
		-15.00	100	118	137	157	100
		-15.50	111	131	151	173	111
		-16.00	122	143	165	189	122
		-16.50	133	156	180	205	133
		-17.00	143	168	193	220	143
		-17.50	152	177	204	232	152
		-18.00	162	189	217	247	162
		-18.50	170	198	228	259	170
		-19.00	180	210	242	274	180
		-19.50	191	223	255	289	191
		-20.00	202	235	270	306	202
		-20.50	214	249	285	323	214
		-21.00	225	262	300	339	225
		-21.50	237	275	315	356	237
		-22.00	250	290	332	375	250
		-22.50	263	306	350	395	263
13	-4.03	-12.50	39	48	57	68	39
		-13.00	52	62	74	86	52
		-13.50	64	77	90	105	64
		-14.00	75	89	104	120	75
		-14.50	83	99	115	133	83
		-15.00	93	110	128	147	93
		-15.50	103	121	140	161	103
		-16.00	114	134	155	177	114
		-16.50	125	147	169	193	125
		-17.00	136	159	183	209	136
		-17.50	147	172	198	225	147
		-18.00	157	184	212	241	157
		-18.50	167	196	225	255	167
		-19.00	178	208	239	271	178
		-19.50	191	222	255	289	191
		-20.00	203	236	271	307	203
		-20.50	215	251	287	325	215
		-21.00	228	265	303	343	228
		-21.50	240	279	320	361	240
		-22.00	254	295	338	381	254
		-22.50	268	311	356	401	268
14	-4.04	-12.50	41	50	60	70	41
		-13.00	55	66	78	90	55
		-13.50	68	82	96	110	68
		-14.00	79	93	109	125	79
		-14.50	89	106	123	141	89
		-15.00	98	116	135	154	98
		-15.50	109	128	148	169	109
		-16.00	121	142	164	187	121
		-16.50	134	157	181	206	134
		-17.00	144	169	194	221	144
		-17.50	155	181	209	237	155
		-18.00	166	194	223	253	166
		-18.50	177	206	237	269	177
		-19.00	191	222	255	289	191
		-19.50	204	238	273	309	204
		-20.00	217	253	289	327	217
		-20.50	225	262	300	339	225
		-21.00	234	273	312	353	234
		-21.50	245	285	327	369	245
		-22.00	255	296	338	382	255
		-22.50	265	308	352	397	265



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld paalpunt niveau	$R_{t, netto; d}$ [kN]				
			350	400	450	500	550
15	-3.79	-12.50	49	59	70	82	49
		-13.00	62	75	88	102	62
		-13.50	74	88	103	119	74
		-14.00	85	101	117	135	85
		-14.50	96	113	131	150	96
		-15.00	107	126	145	166	107
		-15.50	117	138	159	182	117
		-16.00	129	151	175	199	129
		-16.50	143	167	192	219	143
		-17.00	157	183	210	239	157
		-17.50	170	199	228	259	170
		-18.00	184	215	246	279	184
		-18.50	197	229	262	297	197
		-19.00	206	240	275	311	206
		-19.50	217	253	289	327	217
		-20.00	227	264	303	342	227
		-20.50	237	276	315	356	237
		-21.00	248	288	329	372	248
		-21.50	258	299	342	386	258
		-22.00	265	308	352	397	265
16	-3.91	-12.50	43	52	62	73	43
		-13.00	55	66	78	91	55
		-13.50	67	80	93	108	67
		-14.00	77	92	107	123	77
		-14.50	86	102	118	136	86
		-15.00	94	112	130	149	94
		-15.50	104	123	142	163	104
		-16.00	117	138	159	182	117
		-16.50	131	153	177	201	131
		-17.00	144	168	194	221	144
		-17.50	157	183	211	240	157
		-18.00	166	193	222	252	166
		-18.50	175	205	235	267	175
		-19.00	189	220	253	286	189
		-19.50	203	236	271	306	203
		-20.00	216	252	288	326	216
		-20.50	227	264	303	342	227
		-21.00	238	277	317	358	238
		-21.50	251	292	333	377	251
		-22.00	265	307	351	397	265
17	-4.01	-12.50	43	52	62	73	43
		-13.00	56	67	79	92	56
		-13.50	69	83	97	112	69
		-14.00	81	96	112	129	81
		-14.50	92	108	126	144	92
		-15.00	101	119	139	158	101
		-15.50	112	131	152	173	112
		-16.00	124	146	168	192	124
		-16.50	137	160	185	210	137
		-17.00	150	176	202	230	150
		-17.50	164	191	220	250	164
		-18.00	177	207	237	269	177
		-18.50	190	222	254	288	190
		-19.00	203	237	271	307	203
		-19.50	216	251	288	326	216
		-20.00	229	266	305	344	229
		-20.50	242	281	321	363	242
		-21.00	255	297	339	383	255
		-21.50	269	312	357	403	269
		-22.00	283	328	375	423	283
		-22.50	297	344	393	443	297



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	$R_{t; netto; d}$ [kN]				
				350	400	450	500	550
18	-4.40	-12.50		38	47	56	66	38
		-13.00		51	62	73	86	51
		-13.50		65	77	91	105	65
		-14.00		77	92	107	123	77
		-14.50		86	102	119	136	86
		-15.00		96	113	132	151	96
		-15.50		105	123	143	164	105
		-16.00		111	131	151	173	111
		-16.50		117	138	160	183	117
		-17.00		126	148	171	196	126
		-17.50		139	163	188	214	139
		-18.00		153	179	206	234	153
		-18.50		167	195	224	254	167
		-19.00		179	209	240	272	179
		-19.50		189	220	253	287	189
		-20.00		200	233	268	303	200
		-20.50		210	245	281	318	210
		-21.00		222	259	297	335	222
		-21.50		236	275	314	355	236
		-22.00		250	290	332	375	250
		-22.50		264	306	350	395	264
19	-4.20	-12.50		45	55	65	76	45
		-13.00		58	70	83	96	58
		-13.50		70	84	98	113	70
		-14.00		81	96	112	128	81
		-14.50		92	109	126	145	92
		-15.00		102	120	139	159	102
		-15.50		112	132	152	174	112
		-16.00		122	144	166	189	122
		-16.50		132	155	179	204	132
		-17.00		141	166	191	217	141
		-17.50		151	177	203	231	151
		-18.00		165	192	221	251	165
		-18.50		178	208	239	271	178
		-19.00		192	224	257	291	192
		-19.50		206	240	275	311	206
		-20.00		216	252	289	326	216
		-20.50		228	265	303	343	228
		-21.00		240	279	319	361	240
		-21.50		254	295	337	381	254
		-22.00		267	311	355	401	267
		-22.50		281	326	373	421	281



Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

OVERZICHT NETTO DRAAGVERMOGEN TREKPALEN (n=1)

Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto;d} [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
1 - Ontgraven tot	-8.36	-12.50	32	40	49	58	
		-13.00	43	52	62	73	85
		-13.50	54	65	77	89	103
		-14.00	65	77	91	106	121
		-14.50	73	87	102	118	134
		-15.00	82	98	114	131	149
		-15.50	92	109	127	145	165
		-16.00	98	116	135	155	175
		-16.50	104	123	142	163	185
		-17.00	112	132	153	175	198
		-17.50	122	144	166	190	214
		-18.00	134	158	182	208	234
		-18.50	147	172	198	226	254
		-19.00	155	182	209	238	268
		-19.50	165	193	222	252	283
		-20.00	173	203	233	265	297
		-20.50	184	215	248	281	315
		-21.00	196	228	262	297	334
		-21.50	209	244	280	317	356
		-22.00	223	260	298	337	378
2 - Ontgraven tot	-8.36	-12.50	30	38	46	55	
		-13.00	40	49	59	69	81
		-13.50	50	60	72	84	97
		-14.00	59	71	84	97	112
		-14.50	66	79	93	108	124
		-15.00	73	87	102	117	134
		-15.50	80	95	112	129	147
		-16.00	88	104	122	140	159
		-16.50	96	114	133	152	173
		-17.00	103	122	141	162	184
		-17.50	110	130	151	172	195
		-18.00	121	142	165	188	213
		-18.50	130	153	177	202	228
		-19.00	141	165	191	217	245
		-19.50	150	176	204	232	261
		-20.00	161	189	218	248	279
		-20.50	172	201	231	263	295
		-21.00	182	213	245	278	312
		-21.50	196	229	263	298	334
		-22.00	210	244	281	318	356
3 - Ontgraven tot	-8.36	-12.50	32	39	48	57	
		-13.00	43	52	62	73	85



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
 Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	R _{t, netto; d} [kN]				
				350 o	400 o	450 o	500 o	550 o
			-13.50	54	65	77	89	103
			-14.00	63	76	89	104	119
			-14.50	71	85	100	115	132
			-15.00	78	93	108	125	143
			-15.50	84	100	117	134	153
			-16.00	90	107	125	143	163
			-16.50	97	115	134	154	175
			-17.00	103	122	142	163	185
			-17.50	111	131	152	174	197
			-18.00	122	144	166	190	215
			-18.50	133	156	181	206	233
			-19.00	144	169	195	222	250
			-19.50	151	177	204	232	262
			-20.00	158	186	214	244	274
			-20.50	164	192	222	252	284
			-21.00	176	206	237	270	303
			-21.50	190	222	255	290	325
			-22.00	204	238	273	310	347
			-22.50	218	254	291	330	370
4 - Ontgraven tot	-8.36		-12.50	32	39	48	57	
			-13.00	43	52	62	73	85
			-13.50	53	64	75	88	101
			-14.00	62	75	88	102	117
			-14.50	73	87	101	117	134
			-15.00	83	98	115	132	150
			-15.50	94	111	129	148	168
			-16.00	105	124	143	164	186
			-16.50	118	138	160	183	206
			-17.00	129	151	175	199	225
			-17.50	139	163	188	214	241
			-18.00	150	176	202	230	259
			-18.50	159	185	214	243	273
			-19.00	165	193	223	253	284
			-19.50	175	205	236	267	300
			-20.00	186	217	250	283	318
			-20.50	199	232	266	301	338
			-21.00	212	247	284	321	360
			-21.50	226	263	302	341	382
			-22.00	240	279	319	361	404
			-22.50	253	295	337	381	426
5 - Ontgraven tot	-8.36		-12.50	32	40	48	58	
			-13.00	43	52	62	73	85
			-13.50	53	64	76	88	102
			-14.00	64	76	90	104	119
			-14.50	74	88	103	119	135
			-15.00	80	95	111	128	145
			-15.50	86	102	119	137	156
			-16.00	95	113	131	151	171
			-16.50	105	124	144	165	187
			-17.00	113	133	154	176	199
			-17.50	123	144	167	191	216
			-18.00	133	156	181	206	232
			-18.50	141	165	190	217	245
			-19.00	147	173	199	227	255
			-19.50	154	180	208	236	266
			-20.00	161	188	217	247	278
			-20.50	171	200	231	262	295
			-21.00	184	216	248	281	316
			-21.50	198	231	266	301	338
			-22.00	212	247	284	321	360
			-22.50	226	263	302	341	382
6 - Ontgraven tot	-8.36		-12.50	31	39	47	57	



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt R _{t, netto; d}	[kN]				
				350 o	400 o	450 o	500 o	550 o
		-13.00		42	51	61	72	84
		-13.50		53	64	75	88	101
		-14.00		63	76	89	103	118
		-14.50		73	87	102	118	134
		-15.00		79	94	110	127	145
		-15.50		88	104	121	139	158
		-16.00		98	116	134	154	175
		-16.50		107	126	147	168	190
		-17.00		116	136	158	180	204
		-17.50		123	144	167	191	215
		-18.00		132	155	179	204	230
		-18.50		141	165	191	217	245
		-19.00		151	177	204	232	262
		-19.50		162	190	219	249	280
		-20.00		173	202	233	265	297
		-20.50		187	218	251	285	319
		-21.00		201	234	269	305	341
		-21.50		214	250	287	325	364
		-22.00		228	266	304	344	386
		-22.50		242	282	322	364	408
7 - Ontgraven tot	-8.36	-12.50		32	40	49	58	
		-13.00		43	53	63	74	86
		-13.50		54	65	77	90	104
		-14.00		65	77	91	106	121
		-14.50		76	90	106	122	139
		-15.00		86	102	119	136	155
		-15.50		94	111	129	148	168
		-16.00		102	121	140	161	182
		-16.50		113	133	154	176	199
		-17.00		119	140	162	185	209
		-17.50		126	148	172	196	221
		-18.00		133	156	181	206	232
		-18.50		142	166	192	219	247
		-19.00		149	174	201	229	258
		-19.50		157	184	211	241	271
		-20.00		168	196	226	257	289
		-20.50		179	209	240	273	307
		-21.00		188	219	252	286	321
		-21.50		201	234	269	305	342
		-22.00		215	250	287	325	365
		-22.50		228	266	305	345	387
8 - Ontgraven tot	-8.36	-12.50		31	39	48	57	
		-13.00		41	50	60	71	83
		-13.50		52	63	75	87	101
		-14.00		61	74	87	101	115
		-14.50		69	82	96	111	127
		-15.00		75	89	104	121	138
		-15.50		80	95	112	129	147
		-16.00		85	101	118	136	155
		-16.50		91	108	126	145	165
		-17.00		99	117	136	156	177
		-17.50		106	125	145	166	189
		-18.00		111	131	152	174	197
		-18.50		115	136	158	181	205
		-19.00		120	141	164	188	213
		-19.50		126	148	172	196	222
		-20.00		136	160	186	212	239
		-20.50		149	176	203	231	261
		-21.00		163	191	221	251	283
		-21.50		177	207	239	271	305
		-22.00		191	223	256	291	327
		-22.50		204	239	274	311	349



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
9 - Ontgraven tot	-8.36	-12.50	32	39	48	57	
		-13.00	42	52	62	73	85
		-13.50	53	64	76	89	102
		-14.00	64	77	90	104	120
		-14.50	73	87	102	118	134
		-15.00	80	95	111	128	146
		-15.50	87	103	120	138	157
		-16.00	92	110	128	147	166
		-16.50	98	116	135	155	175
		-17.00	103	122	141	162	184
		-17.50	108	128	148	170	192
		-18.00	114	134	155	178	202
		-18.50	118	140	162	185	210
		-19.00	125	148	171	195	221
		-19.50	135	159	184	210	237
		-20.00	149	175	202	230	260
		-20.50	163	190	220	250	281
		-21.00	175	205	236	269	302
		-21.50	189	221	254	289	324
		-22.00	203	237	272	309	346
		-22.50	217	253	290	329	368
10 - Ontgraven tot	-8.36	-12.50	30	37	45	54	
		-13.00	40	49	59	69	81
		-13.50	50	61	72	84	97
		-14.00	58	70	82	96	110
		-14.50	67	80	94	109	125
		-15.00	77	91	107	123	141
		-15.50	86	102	119	137	156
		-16.00	94	112	130	149	169
		-16.50	100	119	138	158	179
		-17.00	110	130	150	172	195
		-17.50	117	137	159	182	206
		-18.00	125	147	171	195	220
		-18.50	136	160	185	211	238
		-19.00	146	172	198	226	254
		-19.50	153	180	207	236	265
		-20.00	162	190	218	248	280
		-20.50	172	201	231	263	296
		-21.00	182	213	245	278	312
		-21.50	195	228	262	297	333
		-22.00	209	244	280	317	355
		-22.50	223	259	298	337	378
11 - Ontgraven tot	-8.36	-12.50	28	35	43	52	
		-13.00	38	47	56	66	78
		-13.50	49	59	70	83	95
		-14.00	57	69	81	95	109
		-14.50	65	77	91	106	121
		-15.00	70	83	98	113	130
		-15.50	76	91	106	123	140
		-16.00	87	104	121	139	158
		-16.50	98	116	135	155	176
		-17.00	109	129	149	171	194
		-17.50	119	140	162	185	209
		-18.00	130	152	176	201	227
		-18.50	138	162	187	213	240
		-19.00	144	169	195	223	251
		-19.50	152	178	205	234	263
		-20.00	163	191	220	250	281
		-20.50	177	206	237	270	303
		-21.00	190	222	255	290	325
		-21.50	204	238	273	310	347
		-22.00	218	254	291	330	369
		-22.50	232	270	309	350	392



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t, netto; d}$ [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
12 - Ontgraven tot	-8.36	-12.50	30	38	46	55	
		-13.00	41	50	60	71	82
		-13.50	52	63	74	87	100
		-14.00	62	74	88	102	117
		-14.50	71	84	99	114	130
		-15.00	80	95	111	127	145
		-15.50	91	107	125	144	163
		-16.00	100	118	137	157	178
		-16.50	109	129	149	170	193
		-17.00	118	139	161	183	207
		-17.50	125	147	170	194	219
		-18.00	133	157	181	206	233
		-18.50	140	165	190	217	244
		-19.00	150	175	202	230	259
		-19.50	159	187	215	244	275
		-20.00	170	199	229	260	292
		-20.50	181	211	243	275	309
		-21.00	191	223	256	291	326
		-21.50	202	236	271	307	344
		-22.00	214	250	287	325	364
		-22.50	228	266	305	345	386
13 - Ontgraven tot	-8.36	-12.50	31	39	47	56	
		-13.00	42	51	61	72	84
		-13.50	52	63	74	87	100
		-14.00	59	71	84	98	113
		-14.50	66	79	93	108	123
		-15.00	74	88	103	119	136
		-15.50	81	96	113	130	148
		-16.00	91	108	126	145	164
		-16.50	102	120	139	160	181
		-17.00	111	130	151	173	196
		-17.50	121	143	165	189	213
		-18.00	130	153	177	202	228
		-18.50	139	163	188	214	242
		-19.00	148	174	201	229	257
		-19.50	160	187	215	245	275
		-20.00	171	200	230	261	293
		-20.50	182	213	244	277	312
		-21.00	193	226	259	294	330
		-21.50	205	239	275	311	349
		-22.00	219	255	292	331	371
		-22.50	233	271	310	351	393
14 - Ontgraven tot	-8.36	-12.50	32	40	48	58	
		-13.00	43	52	63	74	86
		-13.50	54	65	76	89	103
		-14.00	61	73	86	100	115
		-14.50	69	83	97	112	129
		-15.00	77	91	107	123	141
		-15.50	85	100	117	135	153
		-16.00	95	113	131	151	171
		-16.50	107	126	146	167	189
		-17.00	115	136	157	179	203
		-17.50	125	147	170	193	218
		-18.00	135	158	183	208	235
		-18.50	144	169	195	222	250
		-19.00	157	184	212	241	271
		-19.50	169	198	228	259	291
		-20.00	181	211	242	275	309
		-20.50	187	219	252	285	320
		-21.00	197	229	263	299	335
		-21.50	207	242	278	314	353
		-22.00	215	251	288	326	366
		-22.50	225	262	301	340	381



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		R _{t, netto; d} [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
15 - Ontgraven tot	-8.36	-12.50	37	46	55	65	
		-13.00	48	58	69	81	94
		-13.50	57	68	80	94	108
		-14.00	66	79	93	108	123
		-14.50	75	89	104	120	137
		-15.00	85	101	117	135	154
		-15.50	93	110	128	147	167
		-16.00	102	121	140	161	182
		-16.50	114	134	155	177	200
		-17.00	126	148	171	195	220
		-17.50	138	162	186	212	239
		-18.00	150	176	202	230	259
		-18.50	161	188	217	246	276
		-19.00	169	197	227	258	289
		-19.50	180	210	241	273	307
		-20.00	189	221	253	287	322
		-20.50	198	231	265	300	337
		-21.00	208	242	278	315	353
		-21.50	217	253	290	329	368
		-22.00	224	261	299	338	379
		-22.50	237	276	317	358	401
16 - Ontgraven tot	-8.36	-12.50	34	42	51	61	
		-13.00	45	55	66	77	89
		-13.50	54	65	77	90	103
		-14.00	62	74	87	101	116
		-14.50	68	82	96	111	127
		-15.00	75	89	105	121	138
		-15.50	83	98	115	132	151
		-16.00	93	110	129	148	168
		-16.50	104	123	143	164	185
		-17.00	115	136	157	180	203
		-17.50	126	148	172	196	221
		-18.00	133	157	181	206	233
		-18.50	142	166	192	219	246
		-19.00	153	180	207	236	265
		-19.50	165	193	223	253	284
		-20.00	177	207	238	270	303
		-20.50	188	219	252	286	321
		-21.00	199	232	266	302	338
		-21.50	210	245	281	319	357
		-22.00	224	261	299	339	379
		-22.50	238	277	317	359	401
17 - Ontgraven tot	-8.36	-12.50	33	41	50	59	
		-13.00	44	53	64	75	87
		-13.50	54	66	78	90	104
		-14.00	63	76	89	104	119
		-14.50	72	85	100	116	132
		-15.00	79	94	110	127	145
		-15.50	88	104	121	140	159
		-16.00	98	116	135	155	176
		-16.50	109	129	149	171	193
		-17.00	121	142	164	187	212
		-17.50	133	156	180	205	231
		-18.00	144	169	195	222	250
		-18.50	155	182	209	238	268
		-19.00	166	195	224	254	286
		-19.50	178	208	239	271	304
		-20.00	189	220	253	287	322
		-20.50	200	233	267	303	340
		-21.00	212	247	283	320	359
		-21.50	225	262	301	340	381
		-22.00	239	278	318	360	403
		-22.50	253	294	336	380	425



Netto paal draagvermogen(s) zijn naar beneden toe afgerond op: 1.0 kN nauwkeurig
Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		$R_{t; netto; d}$ [kN]				
	niveau	niveau	350 o	400 o	450 o	500 o	550 o
18 - Ontgraven tot	-8.36	-12.50	31	39	47	57	
		-13.00	42	51	61	72	83
		-13.50	53	63	75	88	101
		-14.00	62	74	88	102	117
		-14.50	69	83	97	112	128
		-15.00	77	92	108	124	142
		-15.50	85	100	117	135	153
		-16.00	90	106	124	143	162
		-16.50	95	113	131	151	171
		-17.00	103	121	141	162	184
		-17.50	115	136	157	180	204
		-18.00	129	151	175	200	226
		-18.50	143	167	193	220	248
		-19.00	154	181	208	237	267
		-19.50	164	192	221	251	282
		-20.00	175	204	235	267	300
		-20.50	185	216	248	281	316
		-21.00	196	228	262	297	334
		-21.50	208	243	279	316	354
		-22.00	221	258	296	335	375
		-22.50	234	273	313	354	396
19 - Ontgraven tot	-8.36	-12.50	36	44	53	63	
		-13.00	47	57	68	79	92
		-13.50	56	67	79	92	106
		-14.00	64	76	90	104	119
		-14.50	74	88	103	119	136
		-15.00	82	97	114	131	149
		-15.50	91	108	126	144	164
		-16.00	100	118	137	157	178
		-16.50	108	128	148	170	192
		-17.00	116	137	158	181	204
		-17.50	124	146	169	193	218
		-18.00	138	162	187	213	240
		-18.50	152	178	205	233	262
		-19.00	166	194	223	253	285
		-19.50	179	209	240	272	305
		-20.00	189	220	253	287	322
		-20.50	200	233	267	303	339
		-21.00	211	246	282	320	358
		-21.50	225	262	300	340	380
		-22.00	239	278	318	359	402
		-22.50	252	293	336	379	424



Bijlage C (Voorbeeld) berekening draagvermogen

Technosoft Paalfunderingen release 6.71a
jan 2023

5

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

DETAIL BER. DRAAGVERMOGEN 250 VB; 10; N.A.P.-21.00

Uitgangspunten

- gehanteerde sondering : 10
- gehanteerde paal : 250p
- paalpuntniveau : N.A.P.-21.00 m
- traject positieve kleef : N.A.P.-11.30 m
tot: N.A.P.-21.00 m

Maximale draagkracht van de paalpunt

De maximale puntweerstand volgens art. 7.6.2.3 (e) bedraagt :

$$q_{b,max} = 0.5 * \alpha_p * \beta * s * ((q_{c,I,gem} + q_{c,II,gem})/2 + q_{c,III,gem})$$

$$= 8.887 \text{ MPa}$$

waarin :		in dit geval :
$q_{c,I,gem}$	= de gemiddelde waarde van de conusweerstand over traject I	= 15.26 MPa
$q_{c,II,gem}$	= de gemiddelde waarde van de conusweerstand over traject II	= 15.26 MPa
$q_{c,III,gem}$	= de gemiddelde waarde van de conusweerstand over traject III	= 10.13 MPa
α_p	= paalklassefactor	= 0.70 -
β	= factor voor de paalvoetvorm	= 1.00 -
ϕ	= hoek van de inwendige wrijving	= 32.5 -
r	= verhouding b/a	= 1.00 -
s	= factor voor de vorm van de voet	= 1.00 -

Voor een uitgebreide beschrijving van het bepalen van de gemiddelde conusweerstand in de gebieden I, II en III wordt verwezen naar art. 7.6.2.3 (e) in de norm.

De maximale draagkracht van de paalpunt volgens art. 7.6.2.3 (c) bedraagt:

$$R_{b,cal,max;i} = A_b * q_{b,max;i}$$

$$= 555 \text{ kN}$$

waarin :		in dit geval :
A_b	= oppervlak van de paalvoet	= 0.0625 m ²

Maximale paalschachtwrijving

De maximale paalschachtwrijving volgens art. 7.6.2.3 (i) bedraagt:

$$q_{s,max;z} = \alpha_s * q_{c,z;a}$$

De maximale schachtwrijvingskracht volgens art. 7.6.2.3 (c) bedraagt:

$$R_{s,cal,max;i} = O_{s,A1,gem} * \sum q_{s,max;z;i} * d_z$$

$$= 1062 \text{ kN}$$



Per laag

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

Nr Laag	Nivo	$O_{s;gem}$	α_s	Perc.	$q_{c;z;a}$	$q_{s;max}$	d_z	$R_{c;cal}$
	[m]	[m ¹]		[%]	[MPa]	[MPa]	[m]	[kN]
--	----	-11.30	--	--	--	--	--	--
1 Zand - Schoon - Matig	-21.00	1.00	0.0100	100	10.95	0.109	9.701061.8	
totaal		1.00	0.0100		10.95	0.109	9.701061.8	

Maximale draagkracht

De maximale draagkracht van de paal volgens art. 7.6.2.3 (c) bedraagt:

$$R_{c;cal;i} = R_{b;cal;max;i} + R_{s;cal;max;i}$$

$$= 1617 \text{ kN } (= 555 + 1062)$$

De karakteristieke waarde van de maximale draagkracht van de paal volgens art. 7.6.2.3 (b) bedraagt:

$$R_{c;k} = R_{c;cal} / \xi_{3(n=1)}$$

$$= 1163 \text{ kN}$$

waarin : in dit geval :

$$\xi_{3(n=1)} = \text{factor volgens art. A.3.3.3 bij 1 sondering} = 1.39 -$$

Voor de rekenwaarde van de maximale draagkracht van de paal kan volgens art. 2.4.7.3.3 worden aangehouden :

$$R_{c;d} = R_{c;k} / \gamma_R$$

$$= 970 \text{ kN}$$

waarin : in dit geval :

$$\gamma_R = \text{partiële weerstandsfactor volgens art. A.3.3.2}$$

$$\text{tabel A.6, A.7 of A.8} = 1.20 -$$



DETAIL BER. NEGATIEVE KLEEF 250 VB; 10; N.A.P.-21.00

Uitgangspunten

- gehanteerde sondering	: 10
- gehanteerde paal	: 250p
- paalpuntniveau	: N.A.P.-21.00 m
- paalkopniveau	: N.A.P. 0.00 m
- traject negatieve kleeft	: N.A.P. -4.05 m
	tot : N.A.P.-11.30 m
- $p_{sur;k}$	: 0.00 kN/m ²

Berekening negatieve kleeft

De karakteristieke waarde van de maximale negatieve kleeftbelasting v.e. alleenstaande paal volgens art. 7.3.2.2 (d) bedraagt:

$$F_{nk;k} = O_{s;gem} \sum d_j \cdot K_{0;j;k} \cdot \tan \delta_{j;k} \cdot (\sigma'_{v;j-1;k} + \sigma'_{v;j;k}) / 2.0$$

$$= -72.8 \text{ kN}$$

waarin :

$O_{s;gem}$	= omtrek van de dwarsdoorsnede van de paalschacht
d_j	= de dikte van de grondlaag i
$K_{0;j;k}$	= de karakteristieke waarde van de neutrale gronddrukfactor in laag i
$\delta_{j;k}$	= de karakteristieke waarde van de wrijvingshoek
$\sigma'_{v;j;k}$	= de karakteristieke waarde van de effectieve verticale spanning onder in laag j

Per laag

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

Nr Laag	Nivo [m]	Hoogte [m]	$O_{s;gem}$ [m ²]	$K_{0;j} \cdot \tan(\delta_i)$	$\sigma'_{v;j;k}$ [kN/m ²]
--	----	-4.05	--	--	0.00
1 Zand - Sterk siltig - Kleiig	-5.20	1.15	1.00	0.25	21.85
2 Klei - Schoon - Slap	-5.50	0.30	1.00	0.25	23.95
3 Klei - Zwak zandig - Slap	-10.50	5.00	1.00	0.25	63.95
4 Veen - Matig voorbelast - Mati	-11.30	0.80	1.00	0.25	66.35

Rekenwaarde

De rekenwaarde van de maximale negatieve kleeftbelasting van een alleenstaande paal bedraagt :

$$F_{nk;d} = F_{nk;k} \cdot \gamma_{f;nk} = -72.8 \text{ kN}$$

waarin :

$\gamma_{f;nk}$	= belastingfactor voor de negatieve kleeft (art. 7.3.2.2 (b))	in dit geval : 1.0 -
-----------------	--	-------------------------

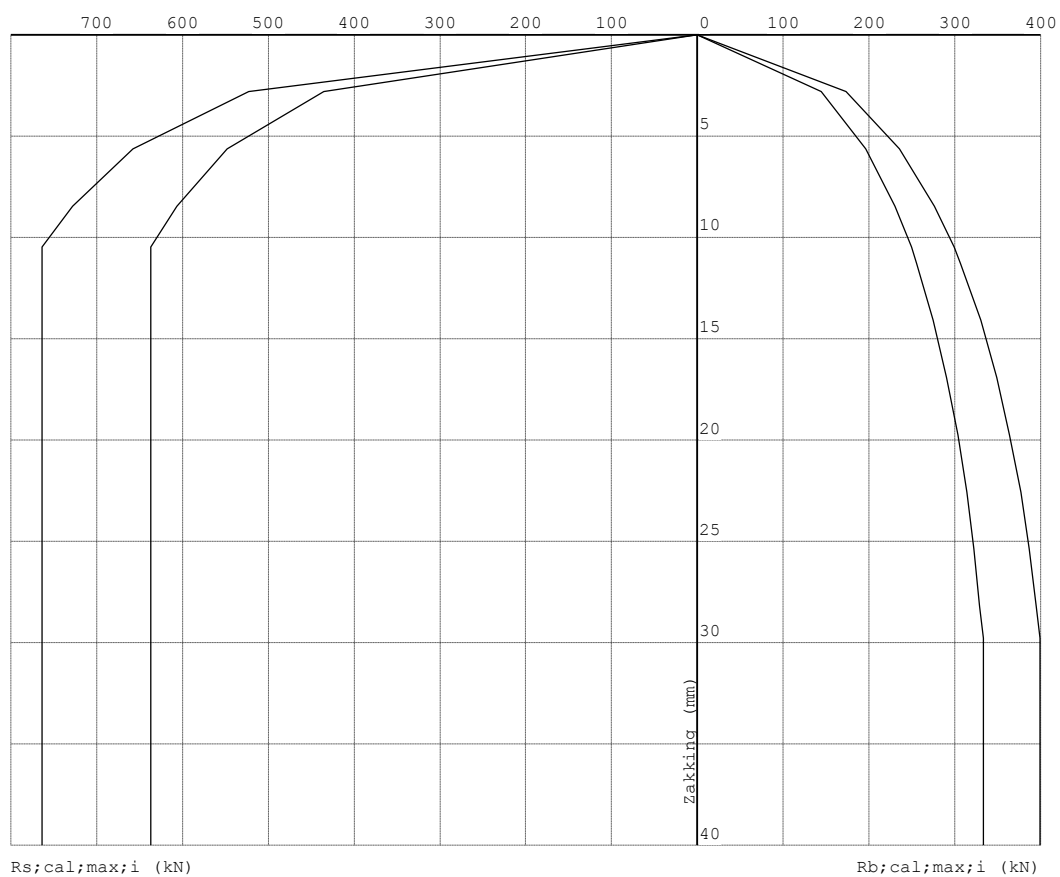


LAST_ZAKKINGSDIAGRAM 250 VB

Uitgangspunten

- gehanteerde sondering : 10
- gehanteerde paal : 250p
- paalpuntniveau : N.A.P.-21.00 m

Last-zakkingsdiagram grenstoestand 1B en 2





Bijlage D Detail uitvoer draagvermogen

C1 Prefab Betonpalen

Technosoft Paalfunderingen release 6.71a
29 nov 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

SAMENVATTINGSTABEL 250p (n=1)

Uitgangspunten

- paal	: 250p
- paaltype	: Geheide paal (beton)
- schachtafmeting	: 250 x 250
Paalklassefactor α_p	: 0.70
Factor α_s (tabel 7.c EC 7.1)	: 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor $\xi_{3(n=1)}$	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	463.1	121.5	584.5	350.4	-63.2	287.2
		-13.00	489.6	196.5	686.1	411.3	-63.2	348.1
		-13.50	458.8	271.5	730.3	437.8	-63.2	374.6
		-14.00	456.6	346.5	803.0	481.4	-63.2	418.2
		-14.50	427.0	403.4	830.4	497.8	-63.2	434.6
		-15.00	332.2	461.3	793.5	475.7	-63.2	412.5
		-15.50	305.3	521.2	826.5	495.5	-63.2	432.3
		-16.00	297.0	561.3	858.3	514.6	-63.2	451.3
		-16.50	362.8	597.3	960.1	575.6	-63.2	512.4
		-17.00	417.4	649.1	1066.5	639.4	-63.2	576.1
		-17.50	561.7	713.1	1274.9	764.3	-63.2	701.1
		-18.00	453.0	788.1	1241.1	744.1	-63.2	680.8
		-18.50	402.5	863.1	1265.6	758.8	-63.2	695.5
		-19.00	411.0	915.7	1326.7	795.4	-63.2	732.1
		-19.50	396.1	971.7	1367.8	820.0	-63.2	756.8
		-20.00	482.4	1023.1	1505.4	902.5	-63.2	839.3
		-20.50	466.6	1083.1	1549.6	929.0	-63.2	865.8
		-21.00	719.6	1148.7	1868.4	1120.1	-63.2	1056.9
		-21.50	757.2	1223.7	1980.9	1187.6	-63.2	1124.4
		-22.00	878.1	1298.7	2176.8	1305.1	-63.2	1241.8
		-22.50	930.3	1373.7	2304.0	1381.3	-63.2	1318.0
2	-4.31	-12.50	408.4	103.0	511.4	306.6	-63.7	242.9
		-13.00	402.3	170.6	572.9	343.5	-63.7	279.8
		-13.50	392.5	238.4	631.0	378.3	-63.7	314.6
		-14.00	361.5	301.4	662.9	397.4	-63.7	333.7
		-14.50	355.8	349.8	705.6	423.0	-63.7	359.3
		-15.00	356.3	392.7	748.9	449.0	-63.7	385.3
		-15.50	386.4	443.0	829.4	497.2	-63.7	433.5
		-16.00	357.3	493.7	851.0	510.2	-63.7	446.5
		-16.50	346.5	546.8	893.3	535.6	-63.7	471.8
		-17.00	343.0	589.2	932.2	558.9	-63.7	495.2
		-17.50	421.1	631.9	1053.0	631.3	-63.7	567.6
		-18.00	403.9	691.6	1095.6	656.8	-63.7	593.1
		-18.50	459.1	746.2	1205.3	722.6	-63.7	658.9
		-19.00	469.8	806.2	1276.0	765.0	-63.7	701.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{sk;d}$ [kN]	$R_{c;netto;d}$ [kN]
2	-4.31	-19.50	490.6	863.5	1354.1	811.8	-63.7	748.1
		-20.00	450.2	923.5	1373.7	823.6	-63.7	759.9
		-20.50	467.3	981.0	1448.4	868.3	-63.7	804.6
		-21.00	721.5	1041.8	1763.4	1057.2	-63.7	993.5
		-21.50	908.1	1116.8	2024.9	1214.0	-63.7	1150.3
		-22.00	834.8	1191.8	2026.6	1215.0	-63.7	1151.3
		-22.50	870.8	1266.8	2137.7	1281.6	-63.7	1217.9
3	-4.03	-12.50	519.2	123.9	643.2	385.6	-72.9	312.7
		-13.00	492.4	198.9	691.4	414.5	-72.9	341.6
		-13.50	433.5	273.9	707.5	424.1	-72.9	351.2
		-14.00	375.3	344.7	720.1	431.7	-72.9	358.8
		-14.50	352.6	402.6	755.3	452.8	-72.9	379.9
		-15.00	343.9	447.3	791.2	474.4	-72.9	401.5
		-15.50	341.2	488.8	830.0	497.6	-72.9	424.7
		-16.00	344.2	528.7	872.9	523.3	-72.9	450.4
		-16.50	331.7	575.8	907.5	544.0	-72.9	471.2
		-17.00	354.8	614.9	969.7	581.4	-72.9	508.5
		-17.50	500.3	665.3	1165.6	698.8	-72.9	625.9
		-18.00	456.1	734.9	1191.1	714.1	-72.9	641.2
		-18.50	394.8	806.4	1201.2	720.1	-72.9	647.3
		-19.00	304.0	873.9	1177.9	706.2	-72.9	633.3
		-19.50	289.8	918.1	1207.9	724.2	-72.9	651.3
		-20.00	269.9	964.2	1234.1	739.9	-72.9	667.0
		-20.50	454.9	997.8	1452.8	871.0	-72.9	798.1
		-21.00	736.0	1070.3	1806.3	1082.9	-72.9	1010.0
		-21.50	731.3	1145.3	1876.6	1125.0	-72.9	1052.1
		-22.00	770.5	1220.3	1990.7	1193.5	-72.9	1120.6
		-22.50	795.4	1295.3	2090.7	1253.4	-72.9	1180.5
4	-4.21	-12.50	429.2	114.7	543.9	326.1	-64.1	262.0
		-13.00	465.5	182.2	647.7	388.3	-64.1	324.2
		-13.50	506.0	249.6	755.6	453.0	-64.1	389.0
		-14.00	568.4	314.7	883.1	529.4	-64.1	465.4
		-14.50	568.0	380.7	948.7	568.8	-64.1	504.7
		-15.00	564.6	446.7	1011.3	606.3	-64.1	542.3
		-15.50	549.3	512.7	1062.1	636.7	-64.1	572.7
		-16.00	597.0	582.3	1179.2	707.0	-64.1	642.9
		-16.50	517.0	657.3	1174.2	704.0	-64.1	639.9
		-17.00	457.0	725.7	1182.7	709.0	-64.1	645.0
		-17.50	407.1	784.8	1191.8	714.5	-64.1	650.5
		-18.00	335.4	846.6	1182.1	708.7	-64.1	644.6
		-18.50	309.2	896.7	1205.9	723.0	-64.1	658.9
		-19.00	410.7	937.7	1348.4	808.4	-64.1	744.3
		-19.50	456.7	995.4	1452.1	870.6	-64.1	806.5
		-20.00	471.8	1054.9	1526.7	915.3	-64.1	851.2
		-20.50	700.2	1125.2	1825.4	1094.4	-64.1	1030.3
		-21.00	838.3	1200.2	2038.6	1222.2	-64.1	1158.1
		-21.50	743.0	1275.2	2018.2	1210.0	-64.1	1145.9
		-22.00	716.6	1350.2	2066.8	1239.1	-64.1	1175.0
		-22.50	727.2	1425.2	2152.5	1290.4	-64.1	1226.4
5	-4.10	-12.50	485.0	124.7	609.7	365.5	-68.9	296.6
		-13.00	538.2	199.7	737.9	442.4	-68.9	373.5
		-13.50	438.5	274.7	713.2	427.6	-68.9	358.7
		-14.00	358.4	349.7	708.1	424.5	-68.9	355.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
5	-4.10	-14.50	324.4	417.8	742.2	445.0	-68.9	376.1
		-15.00	322.0	458.8	780.7	468.1	-68.9	399.2
		-15.50	393.9	500.6	894.5	536.2	-68.9	467.4
		-16.00	388.8	560.2	949.0	569.0	-68.9	500.1
		-16.50	364.4	617.7	982.2	588.8	-68.9	520.0
		-17.00	437.1	664.8	1101.9	660.6	-68.9	591.8
		-17.50	386.3	723.0	1109.4	665.1	-68.9	596.2
		-18.00	346.0	782.9	1128.9	676.8	-68.9	608.0
		-18.50	339.1	829.7	1168.8	700.7	-68.9	631.9
		-19.00	338.2	869.6	1207.8	724.1	-68.9	655.2
		-19.50	349.0	909.3	1258.3	754.4	-68.9	685.5
		-20.00	436.1	952.2	1388.2	832.3	-68.9	763.4
		-20.50	542.3	1017.2	1559.5	935.0	-68.9	866.1
		-21.00	911.9	1092.2	2004.1	1201.5	-68.9	1132.7
		-21.50	937.5	1167.2	2104.7	1261.8	-68.9	1193.0
		-22.00	937.5	1242.2	2179.7	1306.8	-68.9	1237.9
		-22.50	937.5	1317.2	2254.7	1351.7	-68.9	1282.9
6	-4.28	-12.50	477.1	112.5	589.6	353.5	-63.3	290.2
		-13.00	477.4	185.5	662.9	397.4	-63.3	334.1
		-13.50	424.7	258.5	683.2	409.6	-63.3	346.3
		-14.00	366.3	330.0	696.3	417.4	-63.3	354.2
		-14.50	340.1	391.8	731.9	438.8	-63.3	375.5
		-15.00	352.3	434.0	786.3	471.4	-63.3	408.1
		-15.50	441.3	484.8	926.2	555.2	-63.3	492.0
		-16.00	378.0	544.8	922.9	553.3	-63.3	490.0
		-16.50	366.1	603.6	969.8	581.4	-63.3	518.1
		-17.00	349.6	656.6	1006.2	603.2	-63.3	539.9
		-17.50	395.1	699.5	1094.7	656.3	-63.3	593.0
		-18.00	425.5	754.8	1180.3	707.6	-63.3	644.3
		-18.50	462.6	810.6	1273.2	763.3	-63.3	700.0
		-19.00	521.8	875.5	1397.3	837.7	-63.3	774.4
		-19.50	539.7	944.0	1483.8	889.6	-63.3	826.3
		-20.00	785.3	1010.6	1796.0	1076.7	-63.3	1013.4
		-20.50	826.1	1085.6	1911.8	1146.1	-63.3	1082.9
		-21.00	886.2	1160.6	2046.9	1227.1	-63.3	1163.9
		-21.50	937.5	1235.6	2173.1	1302.8	-63.3	1239.6
7	-4.33	-22.00	927.8	1310.6	2238.4	1342.0	-63.3	1278.7
		-22.50	904.5	1385.6	2290.1	1373.0	-63.3	1309.7
		-12.50	466.0	118.9	584.9	350.6	-59.7	290.9
		-13.00	521.8	191.2	713.0	427.4	-59.7	367.7
		-13.50	547.5	263.4	810.9	486.2	-59.7	426.4
		-14.00	501.7	335.1	836.8	501.7	-59.7	441.9
		-14.50	430.9	408.5	839.3	503.2	-59.7	443.5
		-15.00	409.0	475.4	884.4	530.2	-59.7	470.5
		-15.50	388.0	524.6	912.6	547.1	-59.7	487.4
		-16.00	346.5	578.9	925.4	554.8	-59.7	495.1
		-16.50	280.8	637.7	918.4	550.6	-59.7	490.9
		-17.00	287.6	673.1	960.7	576.0	-59.7	516.3
		-17.50	264.7	718.6	983.3	589.5	-59.7	529.8
		-18.00	294.4	760.4	1054.8	632.4	-59.7	572.6
		-18.50	281.0	813.7	1094.6	656.2	-59.7	596.5
		-19.00	270.3	854.1	1124.4	674.1	-59.7	614.4
		-19.50	465.3	901.2	1366.5	819.2	-59.7	759.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{bk;d}$ [kN]	$R_{c;netto;d}$ [kN]
7	-4.33	-20.00	425.2	964.9	1390.1	833.4	-59.7	773.6
		-20.50	395.1	1028.4	1423.4	853.4	-59.7	793.7
		-21.00	566.7	1081.2	1647.9	987.9	-59.7	928.2
		-21.50	752.8	1154.7	1907.6	1143.6	-59.7	1083.9
		-22.00	893.0	1229.7	2122.8	1272.6	-59.7	1212.9
		-22.50	937.5	1304.7	2242.2	1344.3	-59.7	1284.5
8	-4.35	-12.50	402.5	113.2	515.7	309.2	-59.2	250.0
		-13.00	430.8	180.3	611.0	366.3	-59.2	307.1
		-13.50	385.8	248.5	634.3	380.3	-59.2	321.0
		-14.00	331.0	310.9	642.0	384.9	-59.2	325.6
		-14.50	276.8	359.7	636.5	381.6	-59.2	322.4
		-15.00	263.5	400.9	664.4	398.3	-59.2	339.1
		-15.50	257.0	435.0	692.0	414.9	-59.2	355.7
		-16.00	272.5	466.2	738.6	442.8	-59.2	383.6
		-16.50	295.5	502.7	798.3	478.6	-59.2	419.4
		-17.00	249.8	549.9	799.7	479.4	-59.2	420.2
		-17.50	212.7	592.6	805.4	482.8	-59.2	423.6
		-18.00	206.7	624.0	830.7	498.0	-59.2	438.8
		-18.50	205.9	649.2	855.1	512.6	-59.2	453.4
		-19.00	236.6	675.3	912.0	546.7	-59.2	487.5
		-19.50	342.1	708.6	1050.7	629.9	-59.2	570.7
		-20.00	523.7	773.2	1296.9	777.5	-59.2	718.3
		-20.50	678.9	848.2	1527.1	915.5	-59.2	856.3
		-21.00	843.6	923.2	1766.8	1059.2	-59.2	1000.0
		-21.50	913.1	998.2	1911.3	1145.9	-59.2	1086.7
		-22.00	924.8	1073.2	1998.0	1197.9	-59.2	1138.6
		-22.50	937.5	1148.2	2085.7	1250.4	-59.2	1191.2
9	-4.34	-12.50	467.4	114.3	581.7	348.7	-60.8	288.0
		-13.00	480.4	187.7	668.1	400.5	-60.8	339.8
		-13.50	452.3	261.1	713.3	427.7	-60.8	366.9
		-14.00	364.4	333.9	698.3	418.6	-60.8	357.9
		-14.50	345.9	395.3	741.2	444.4	-60.8	383.6
		-15.00	300.0	441.4	741.3	444.4	-60.8	383.7
		-15.50	289.1	484.2	773.3	463.6	-60.8	402.8
		-16.00	245.5	521.8	767.3	460.0	-60.8	399.2
		-16.50	242.6	554.7	797.4	478.0	-60.8	417.2
		-17.00	237.4	585.6	823.0	493.4	-60.8	432.6
		-17.50	244.0	615.7	859.7	515.4	-60.8	454.6
		-18.00	236.5	648.6	885.1	530.6	-60.8	469.9
		-18.50	282.0	676.3	958.2	574.5	-60.8	513.7
		-19.00	282.0	718.4	1000.4	599.8	-60.8	539.0
		-19.50	534.9	775.7	1310.6	785.8	-60.8	725.0
		-20.00	548.2	850.7	1398.9	838.6	-60.8	777.9
		-20.50	562.3	925.6	1488.0	892.1	-60.8	831.3
		-21.00	765.3	1000.0	1765.3	1058.3	-60.8	997.5
		-21.50	937.5	1075.0	2012.5	1206.5	-60.8	1145.7
		-22.00	937.5	1150.0	2087.5	1251.5	-60.8	1190.7
		-22.50	937.5	1225.0	2162.5	1296.4	-60.8	1235.7
10	-4.05	-12.50	416.3	104.8	521.1	312.4	-72.8	239.6
		-13.00	429.0	172.5	601.4	360.6	-72.8	287.8
		-13.50	455.2	240.0	695.1	416.8	-72.8	343.9
		-14.00	485.2	298.2	783.3	469.6	-72.8	396.8
		-14.50	495.3	356.7	851.9	510.8	-72.8	437.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
10	-4.05	-15.00	373.9	415.2	789.0	473.0	-72.8	400.2
		-15.50	339.9	474.9	814.8	488.5	-72.8	415.6
		-16.00	316.1	529.9	846.0	507.2	-72.8	434.4
		-16.50	359.1	569.2	928.3	556.5	-72.8	483.7
		-17.00	344.3	626.5	970.8	582.0	-72.8	509.2
		-17.50	352.8	669.6	1022.4	612.9	-72.8	540.1
		-18.00	523.8	723.3	1247.2	747.7	-72.8	674.9
		-18.50	408.4	787.7	1196.1	717.1	-72.8	644.3
		-19.00	354.7	847.6	1202.2	720.8	-72.8	647.9
		-19.50	391.1	889.4	1280.5	767.7	-72.8	694.9
		-20.00	441.1	942.8	1383.9	829.7	-72.8	756.8
		-20.50	480.8	1002.0	1482.8	888.9	-72.8	816.1
		-21.00	555.4	1061.8	1617.3	969.6	-72.8	896.8
		-21.50	817.2	1135.3	1952.6	1170.6	-72.8	1097.8
		-22.00	937.5	1210.3	2147.8	1287.7	-72.8	1214.8
		-22.50	937.5	1285.3	2222.8	1332.6	-72.8	1259.8
11	-4.07	-12.50	389.8	87.9	477.7	286.4	-69.9	216.5
		-13.00	426.8	151.3	578.0	346.5	-69.9	276.7
		-13.50	334.7	215.1	549.8	329.6	-69.9	259.7
		-14.00	303.8	274.5	578.3	346.7	-69.9	276.8
		-14.50	286.2	324.9	611.2	366.4	-69.9	296.5
		-15.00	294.6	358.7	653.3	391.7	-69.9	321.8
		-15.50	513.4	402.3	915.8	549.0	-69.9	479.1
		-16.00	545.3	474.3	1019.6	611.2	-69.9	541.4
		-16.50	463.3	546.3	1009.7	605.3	-69.9	535.4
		-17.00	472.4	612.5	1084.8	650.4	-69.9	580.5
		-17.50	395.0	672.3	1067.2	639.8	-69.9	569.9
		-18.00	342.8	732.3	1075.0	644.5	-69.9	574.6
		-18.50	327.6	783.4	1111.0	666.1	-69.9	596.2
		-19.00	348.9	823.1	1172.0	702.7	-69.9	632.8
		-19.50	408.9	868.7	1277.6	766.0	-69.9	696.1
		-20.00	809.5	934.5	1744.0	1045.5	-69.9	975.7
		-20.50	937.5	1009.5	1947.0	1167.3	-69.9	1097.4
		-21.00	937.5	1084.5	2022.0	1212.2	-69.9	1142.4
		-21.50	937.5	1159.5	2097.0	1257.2	-69.9	1187.3
		-22.00	937.5	1234.5	2172.0	1302.2	-69.9	1232.3
		-22.50	916.4	1309.5	2225.9	1334.5	-69.9	1264.6
12	-4.04	-12.50	480.6	109.5	590.0	353.7	-70.9	282.8
		-13.00	483.0	184.4	667.4	400.1	-70.9	329.2
		-13.50	462.4	259.4	721.8	432.7	-70.9	361.8
		-14.00	468.6	331.0	799.6	479.4	-70.9	408.5
		-14.50	467.5	388.7	856.2	513.3	-70.9	442.4
		-15.00	516.6	446.3	962.9	577.3	-70.9	506.4
		-15.50	489.6	506.3	995.9	597.1	-70.9	526.2
		-16.00	408.9	564.6	973.5	583.6	-70.9	512.7
		-16.50	385.2	624.2	1009.5	605.2	-70.9	534.3
		-17.00	358.1	679.5	1037.6	622.1	-70.9	551.2
		-17.50	352.6	723.4	1076.0	645.1	-70.9	574.2
		-18.00	329.3	777.6	1106.9	663.6	-70.9	592.7
		-18.50	394.5	821.1	1215.7	728.8	-70.9	657.9
		-19.00	405.6	876.4	1282.0	768.6	-70.9	697.7
		-19.50	436.8	933.4	1370.2	821.5	-70.9	750.6
		-20.00	496.3	993.7	1490.0	893.3	-70.9	822.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12	-4.04	-20.50	512.5	1056.3	1568.8	940.5	-70.9	869.6
		-21.00	546.7	1118.9	1665.5	998.5	-70.9	927.6
		-21.50	550.2	1181.5	1731.7	1038.2	-70.9	967.3
		-22.00	756.9	1251.5	2008.4	1204.1	-70.9	1133.2
		-22.50	730.0	1326.5	2056.5	1232.9	-70.9	1162.0
13	-4.03	-12.50	438.1	116.0	554.2	332.2	-71.6	260.7
		-13.00	395.6	184.6	580.2	347.8	-71.6	276.3
		-13.50	343.7	252.9	596.6	357.7	-71.6	286.1
		-14.00	339.4	308.3	647.7	388.3	-71.6	316.8
		-14.50	366.5	355.2	721.7	432.7	-71.6	361.1
		-15.00	364.9	407.0	771.9	462.8	-71.6	391.2
		-15.50	455.6	457.6	913.2	547.5	-71.6	475.9
		-16.00	467.9	517.7	985.6	590.9	-71.6	519.3
		-16.50	464.4	577.7	1042.1	624.7	-71.6	553.2
		-17.00	474.6	635.7	1110.4	665.7	-71.6	594.1
		-17.50	459.4	695.7	1155.2	692.6	-71.6	621.0
		-18.00	452.2	753.3	1205.5	722.7	-71.6	651.2
		-18.50	476.1	806.4	1282.5	768.9	-71.6	697.3
		-19.00	553.8	866.4	1420.2	851.4	-71.6	779.9
		-19.50	553.5	932.6	1486.1	890.9	-71.6	819.3
		-20.00	562.9	999.1	1562.0	936.5	-71.6	864.9
		-20.50	607.4	1066.1	1673.5	1003.3	-71.6	931.7
		-21.00	614.5	1133.1	1747.6	1047.7	-71.6	976.2
		-21.50	717.8	1201.4	1919.3	1150.6	-71.6	1079.1
		-22.00	937.5	1276.4	2213.9	1327.3	-71.6	1255.7
		-22.50	937.5	1351.4	2288.9	1372.2	-71.6	1300.7
14	-4.04	-12.50	456.9	126.1	583.0	349.5	-71.2	278.3
		-13.00	391.2	201.1	592.2	355.1	-71.2	283.8
		-13.50	372.9	276.1	648.9	389.0	-71.2	317.8
		-14.00	376.8	331.6	708.5	424.7	-71.2	353.5
		-14.50	350.4	388.6	739.0	443.0	-71.2	371.8
		-15.00	386.1	437.6	823.7	493.8	-71.2	422.6
		-15.50	516.9	491.4	1008.3	604.5	-71.2	533.2
		-16.00	496.0	559.4	1055.4	632.8	-71.2	561.5
		-16.50	443.9	627.5	1071.4	642.3	-71.2	571.1
		-17.00	476.6	683.4	1159.9	695.4	-71.2	624.2
		-17.50	480.4	742.9	1223.4	733.4	-71.2	662.2
		-18.00	464.5	801.8	1266.3	759.2	-71.2	687.9
		-18.50	607.2	860.5	1467.6	879.9	-71.2	808.6
		-19.00	466.6	935.5	1402.1	840.6	-71.2	769.3
		-19.50	179.6	1010.5	1190.1	713.5	-71.2	642.2
		-20.00	105.9	1079.7	1185.5	710.7	-71.2	639.5
		-20.50	226.2	1120.2	1346.4	807.2	-71.2	736.0
		-21.00	273.2	1171.9	1445.1	866.4	-71.2	795.1
		-21.50	278.3	1231.7	1510.0	905.2	-71.2	834.0
		-22.00	293.0	1280.1	1573.1	943.1	-71.2	871.9
		-22.50	701.9	1335.2	2037.1	1221.3	-71.2	1150.1
15	-3.79	-12.50	455.7	172.9	628.6	376.9	-75.3	301.6
		-13.00	432.8	245.6	678.4	406.7	-75.3	331.4
		-13.50	462.4	309.6	772.0	462.8	-75.3	387.5
		-14.00	423.9	368.8	792.7	475.2	-75.3	399.9
		-14.50	467.4	424.1	891.5	534.5	-75.3	459.2
		-15.00	446.7	483.9	930.6	557.9	-75.3	482.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
15	-3.79	-15.50	440.2	542.0	982.2	588.8	-75.3	513.6
		-16.00	580.3	605.0	1185.3	710.6	-75.3	635.3
		-16.50	646.0	680.0	1326.0	795.0	-75.3	719.7
		-17.00	649.9	755.0	1404.9	842.2	-75.3	766.9
		-17.50	466.2	830.0	1296.1	777.1	-75.3	701.8
		-18.00	434.5	905.0	1339.5	803.1	-75.3	727.8
		-18.50	382.8	973.1	1355.9	812.9	-75.3	737.6
		-19.00	437.5	1023.4	1460.9	875.9	-75.3	800.6
		-19.50	422.4	1083.4	1505.8	902.8	-75.3	827.5
		-20.00	415.5	1138.6	1554.1	931.7	-75.3	856.4
		-20.50	392.9	1190.0	1582.9	949.0	-75.3	873.7
		-21.00	346.4	1248.2	1594.6	956.0	-75.3	880.7
		-21.50	303.0	1300.8	1603.8	961.5	-75.3	886.2
		-22.00	573.3	1339.8	1913.1	1146.9	-75.3	1071.6
		-22.50	754.5	1414.7	2169.2	1300.5	-75.3	1225.2
16	-3.91	-12.50	408.8	136.4	545.2	326.8	-70.9	255.9
		-13.00	413.5	204.3	617.8	370.4	-70.9	299.5
		-13.50	354.7	266.8	621.4	372.5	-70.9	301.7
		-14.00	349.5	322.8	672.3	403.1	-70.9	332.2
		-14.50	353.0	368.3	721.2	432.4	-70.9	361.5
		-15.00	353.8	414.4	768.2	460.6	-70.9	389.7
		-15.50	480.2	466.8	947.0	567.7	-70.9	496.9
		-16.00	543.4	537.5	1080.9	648.0	-70.9	577.1
		-16.50	508.6	610.2	1118.7	670.7	-70.9	599.8
		-17.00	411.6	682.8	1094.4	656.1	-70.9	585.2
		-17.50	375.7	753.9	1129.6	677.2	-70.9	606.3
		-18.00	389.3	799.6	1188.9	712.7	-70.9	641.9
		-18.50	535.3	851.7	1387.0	831.6	-70.9	760.7
		-19.00	525.3	925.5	1450.8	869.8	-70.9	798.9
		-19.50	534.8	1000.5	1535.3	920.4	-70.9	849.5
		-20.00	509.8	1074.6	1584.4	949.9	-70.9	879.0
17	-4.01	-20.50	513.6	1134.7	1648.2	988.2	-70.9	917.3
		-21.00	490.1	1194.5	1684.7	1010.0	-70.9	939.1
		-21.50	937.5	1262.0	2199.5	1318.6	-70.9	1247.8
		-22.00	937.5	1337.0	2274.5	1363.6	-70.9	1292.7
		-22.50	748.0	1412.0	2160.0	1294.9	-70.9	1224.1
		-12.50	488.8	136.1	624.9	374.6	-69.1	305.6
		-13.00	432.9	209.1	641.9	384.8	-69.1	315.8
		-13.50	451.8	282.0	733.8	439.9	-69.1	370.9
		-14.00	387.9	345.9	733.8	439.9	-69.1	370.9
		-14.50	379.0	401.6	780.6	468.0	-69.1	398.9
		-15.00	410.4	453.6	864.0	518.0	-69.1	449.0
		-15.50	489.3	508.6	997.9	598.3	-69.1	529.2
		-16.00	532.2	577.0	1109.2	665.0	-69.1	595.9
		-16.50	541.5	645.8	1187.3	711.8	-69.1	642.8
		-17.00	617.5	718.3	1335.8	800.8	-69.1	731.8
		-17.50	604.7	793.3	1398.0	838.1	-69.1	769.1
		-18.00	595.9	866.6	1462.5	876.8	-69.1	807.8
		-18.50	673.5	936.2	1609.6	965.0	-69.1	895.9
		-19.00	626.5	1006.7	1633.3	979.2	-69.1	910.1
		-19.50	665.1	1077.3	1742.4	1044.6	-69.1	975.6
		-20.00	644.2	1147.8	1792.0	1074.3	-69.1	1005.3
		-20.50	644.7	1217.0	1861.7	1116.2	-69.1	1047.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
17	-4.01	-21.00	771.8	1290.5	2062.3	1236.4	-69.1	1167.3
		-21.50	937.5	1365.5	2303.0	1380.7	-69.1	1311.6
		-22.00	937.5	1440.5	2378.0	1425.6	-69.1	1356.6
		-22.50	937.5	1515.5	2453.0	1470.6	-69.1	1401.5
18	-4.40	-12.50	431.6	110.2	541.8	324.8	-57.7	267.1
		-13.00	393.1	182.6	575.7	345.2	-57.7	287.4
		-13.50	398.5	255.8	654.3	392.3	-57.7	334.5
		-14.00	389.0	322.2	711.2	426.4	-57.7	368.7
		-14.50	324.1	369.5	693.6	415.8	-57.7	358.1
		-15.00	270.9	423.9	694.8	416.5	-57.7	358.8
		-15.50	257.1	470.0	727.1	435.9	-57.7	378.2
		-16.00	257.3	502.0	759.3	455.2	-57.7	397.5
		-16.50	308.1	535.7	843.8	505.9	-57.7	448.1
		-17.00	429.6	582.8	1012.4	607.0	-57.7	549.2
		-17.50	794.8	653.2	1448.0	868.1	-57.7	810.4
		-18.00	474.6	728.2	1202.8	721.1	-57.7	663.4
		-18.50	409.1	803.2	1212.2	726.8	-57.7	669.0
		-19.00	335.7	869.7	1205.4	722.6	-57.7	664.9
		-19.50	443.2	922.5	1365.7	818.8	-57.7	761.0
		-20.00	408.5	982.8	1391.3	834.1	-57.7	776.4
		-20.50	468.7	1038.4	1507.0	903.5	-57.7	845.8
		-21.00	590.4	1102.8	1693.2	1015.1	-57.7	957.4
		-21.50	602.7	1177.8	1780.5	1067.4	-57.7	1009.7
		-22.00	605.7	1252.8	1858.5	1114.2	-57.7	1056.5
		-22.50	848.6	1327.8	2176.4	1304.8	-57.7	1247.1
19	-4.20	-12.50	413.3	150.0	563.4	337.7	-62.7	275.0
		-13.00	421.4	222.7	644.1	386.2	-62.7	323.4
		-13.50	439.0	287.1	726.1	435.3	-62.7	372.6
		-14.00	412.7	342.8	755.6	453.0	-62.7	390.3
		-14.50	396.1	402.8	798.9	479.0	-62.7	416.2
		-15.00	383.0	457.3	840.3	503.8	-62.7	441.0
		-15.50	425.7	511.1	936.8	561.7	-62.7	498.9
		-16.00	364.5	567.1	931.6	558.5	-62.7	495.8
		-16.50	358.2	620.6	978.8	586.8	-62.7	524.1
		-17.00	350.3	668.6	1018.9	610.8	-62.7	548.1
		-17.50	721.0	720.0	1441.0	863.9	-62.7	801.1
		-18.00	756.6	795.0	1551.5	930.2	-62.7	867.4
		-18.50	696.0	870.0	1566.0	938.8	-62.7	876.1
		-19.00	559.7	945.0	1504.7	902.1	-62.7	839.4
		-19.50	463.8	1018.1	1481.9	888.4	-62.7	825.7
		-20.00	541.5	1076.0	1617.5	969.7	-62.7	907.0
		-20.50	477.0	1136.0	1613.0	967.0	-62.7	904.3
		-21.00	655.3	1202.8	1858.1	1114.0	-62.7	1051.2
		-21.50	663.5	1277.8	1941.3	1163.9	-62.7	1101.1
		-22.00	846.5	1352.8	2199.3	1318.6	-62.7	1255.8
		-22.50	916.8	1427.8	2344.6	1405.6	-62.7	1342.9

**REKENGEGEVENS 250p o**

Berekening : Ontwerpend
Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
: 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
: 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
: 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
: 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
: 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
: 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
: 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
: 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
: 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
Paalgroep : NEE
Aantal sonderingen : 19
Factor ξ_3 (n=1) : 1.39 (handmatig)
Factor ξ_3 (gem) : 1.39 (handmatig)
Factor ξ_4 (min) : 1.39 (handmatig)
Weerstandsfactor γ_R : 1.20
 $\gamma_{f;nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{p;cal;max;i}$: NEE
UGT draagvermogen zonder negatieve kleef : NEE

Paal : 250p
Niveau paalkop [m] : N.A.P. 0.00
Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 250p

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL 250p o (n=1)

Uitgangspunten

- paal	: 250p
- paaltype	: Geheide paal (beton)
- schachtafmeting	: 250 x 250
Paalklassefactor α_p	: 0.70
Factor α_s (tabel 7.c EC 7.1)	: 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor $\xi_3 (n=1)$	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigkdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	306.9	76.3	383.2	229.7	-7.8	222.0
		-13.00	353.9	132.7	486.6	291.7	-7.8	284.0
		-13.50	342.6	192.7	535.3	320.9	-7.8	313.2
		-14.00	347.3	252.2	599.5	359.4	-7.8	351.7
		-14.50	341.2	295.5	636.8	381.7	-7.8	374.0
		-15.00	268.8	345.5	614.3	368.3	-7.8	360.5
		-15.50	248.2	396.6	644.8	386.6	-7.8	378.8
		-16.00	242.0	428.9	670.9	402.2	-7.8	394.4
		-16.50	298.0	458.4	756.5	453.5	-7.8	445.8
		-17.00	346.1	501.3	847.4	508.0	-7.8	500.3
		-17.50	474.8	555.3	1030.0	617.5	-7.8	609.8
		-18.00	387.1	622.3	1009.3	605.1	-7.8	597.4
		-18.50	346.0	689.2	1035.2	620.6	-7.8	612.9
		-19.00	355.9	734.4	1090.3	653.6	-7.8	645.9
		-19.50	343.8	784.4	1128.1	676.3	-7.8	668.6
		-20.00	421.8	830.7	1252.4	750.9	-7.8	743.1
		-20.50	409.0	890.5	1299.5	779.1	-7.8	771.3
		-21.00	636.7	951.2	1587.9	952.0	-7.8	944.2
		-21.50	671.6	1026.2	1697.8	1017.9	-7.8	1010.1
		-22.00	783.2	1101.2	1884.4	1129.8	-7.8	1122.0
		-22.50	831.6	1176.2	2007.8	1203.7	-7.8	1195.9
2 - Ontgraven tot	-8.36	-12.50	272.2	65.2	337.5	202.3	-8.5	193.8
		-13.00	292.8	117.0	409.8	245.7	-8.5	237.2
		-13.50	294.4	171.2	465.6	279.1	-8.5	270.6
		-14.00	282.1	220.0	502.2	301.1	-8.5	292.5
		-14.50	280.0	257.0	537.0	321.9	-8.5	313.4
		-15.00	281.5	290.4	571.9	342.9	-8.5	334.3
		-15.50	312.6	330.6	643.2	385.6	-8.5	377.1
		-16.00	295.1	371.6	666.6	399.7	-8.5	391.1
		-16.50	287.5	415.1	702.6	421.2	-8.5	412.7
		-17.00	286.0	450.3	736.3	441.4	-8.5	432.9
		-17.50	356.0	486.1	842.1	504.9	-8.5	496.3
		-18.00	342.7	543.9	886.6	531.5	-8.5	523.0
		-18.50	395.8	593.2	988.9	592.9	-8.5	584.3
		-19.00	404.9	651.0	1055.9	633.1	-8.5	624.5
		-19.50	422.1	704.0	1126.1	675.1	-8.5	666.6
		-20.00	393.2	763.1	1156.4	693.3	-8.5	684.7
		-20.50	410.8	817.9	1228.7	736.6	-8.5	728.1
		-21.00	637.3	873.8	1511.1	906.0	-8.5	897.4
		-21.50	808.8	948.8	1757.6	1053.7	-8.5	1045.2
		-22.00	747.4	1023.8	1771.2	1061.9	-8.5	1053.3
		-22.50	781.4	1098.8	1880.2	1127.2	-8.5	1118.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-12.50	343.3	73.7	417.0	250.0	-8.2	241.8
		-13.00	340.4	133.0	473.3	283.8	-8.2	275.5
		-13.50	314.7	192.9	507.5	304.3	-8.2	296.0
		-14.00	284.9	244.4	529.3	317.3	-8.2	309.1
		-14.50	270.4	286.9	557.3	334.1	-8.2	325.9
		-15.00	266.3	320.5	586.8	351.8	-8.2	343.6
		-15.50	266.5	352.4	618.9	371.1	-8.2	362.8
		-16.00	276.1	383.7	659.7	395.5	-8.2	387.3
		-16.50	266.2	421.2	687.4	412.1	-8.2	403.9
		-17.00	287.0	452.7	739.8	443.5	-8.2	435.3
		-17.50	409.2	493.9	903.1	541.5	-8.2	533.2
		-18.00	380.2	552.1	932.3	559.0	-8.2	550.7
		-18.50	332.2	612.1	944.3	566.1	-8.2	557.9
		-19.00	260.4	668.8	929.2	557.1	-8.2	548.8
		-19.50	249.0	706.3	955.3	572.7	-8.2	564.5
		-20.00	232.1	746.4	978.5	586.6	-8.2	578.4
		-20.50	392.6	775.3	1167.9	700.2	-8.2	692.0
		-21.00	639.0	841.3	1480.3	887.5	-8.2	879.2
		-21.50	641.0	916.3	1557.3	933.6	-8.2	925.4
		-22.00	676.9	991.3	1668.3	1000.2	-8.2	991.9
		-22.50	700.1	1066.3	1766.5	1059.0	-8.2	1050.8
4 - Ontgraven tot	-8.36	-12.50	299.5	74.0	373.5	223.9	-7.9	216.0
		-13.00	329.3	133.8	463.1	277.6	-7.9	269.7
		-13.50	363.3	186.4	549.6	329.5	-7.9	321.6
		-14.00	424.4	237.5	661.9	396.8	-7.9	388.9
		-14.50	441.7	293.5	735.1	440.7	-7.9	432.8
		-15.00	446.1	349.0	795.1	476.6	-7.9	468.7
		-15.50	438.5	407.2	845.8	507.1	-7.9	499.2
		-16.00	495.0	467.3	962.3	576.9	-7.9	569.0
		-16.50	430.9	536.5	967.4	580.0	-7.9	572.1
		-17.00	381.6	597.6	979.2	587.1	-7.9	579.1
		-17.50	347.8	651.1	998.9	598.9	-7.9	591.0
		-18.00	287.8	711.1	998.9	598.9	-7.9	590.9
		-18.50	265.5	756.5	1021.9	612.7	-7.9	604.8
		-19.00	355.0	792.0	1147.0	687.7	-7.9	679.8
		-19.50	396.9	846.0	1243.0	745.2	-7.9	737.3
		-20.00	411.3	903.8	1315.1	788.4	-7.9	780.5
		-20.50	614.4	971.1	1585.5	950.5	-7.9	942.6
		-21.00	743.2	1046.1	1789.2	1072.7	-7.9	1064.8
		-21.50	662.1	1121.1	1783.2	1069.1	-7.9	1061.2
		-22.00	640.5	1196.1	1836.5	1101.0	-7.9	1093.1
		-22.50	651.6	1270.5	1922.1	1152.3	-7.9	1144.4
5 - Ontgraven tot	-8.36	-12.50	312.6	74.9	387.5	232.3	-7.8	224.6
		-13.00	368.4	132.6	501.0	300.4	-7.8	292.6
		-13.50	322.0	188.9	510.9	306.3	-7.8	298.5
		-14.00	273.3	246.6	519.9	311.7	-7.8	303.9
		-14.50	249.5	299.5	549.0	329.2	-7.8	321.4
		-15.00	248.7	330.7	579.4	347.4	-7.8	339.6
		-15.50	311.5	363.2	674.8	404.5	-7.8	396.8
		-16.00	310.4	413.5	723.9	434.0	-7.8	426.2
		-16.50	292.5	467.3	759.8	455.5	-7.8	447.8
		-17.00	358.7	505.8	864.5	518.3	-7.8	510.5
		-17.50	324.8	559.6	884.4	530.2	-7.8	522.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maai­veld paalpunt niveau	Bezwijkdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
5 - Ontgraven tot	-8.36	-18.00	293.7	615.1	908.8	544.9	-7.8	537.1
		-18.50	288.2	654.5	942.7	565.1	-7.8	557.4
		-19.00	287.8	688.2	976.1	585.2	-7.8	577.4
		-19.50	298.3	722.1	1020.4	611.7	-7.8	604.0
		-20.00	374.9	759.0	1133.9	679.8	-7.8	672.0
		-20.50	469.0	815.9	1284.9	770.3	-7.8	762.6
		-21.00	794.6	887.5	1682.1	1008.5	-7.8	1000.7
		-21.50	918.5	962.5	1881.1	1127.7	-7.8	1120.0
		-22.00	849.0	1037.5	1886.5	1131.0	-7.8	1123.2
		-22.50	887.2	1112.5	1999.7	1198.9	-7.8	1191.1
6 - Ontgraven tot	-8.36	-12.50	321.5	71.1	392.6	235.4	-8.4	226.9
		-13.00	345.7	129.5	475.2	284.9	-8.4	276.5
		-13.50	322.3	187.3	509.6	305.5	-8.4	297.1
		-14.00	287.1	242.5	529.6	317.5	-8.4	309.1
		-14.50	267.5	295.5	562.9	337.5	-8.4	329.1
		-15.00	278.8	328.6	607.4	364.2	-8.4	355.7
		-15.50	356.8	372.1	728.9	437.0	-8.4	428.6
		-16.00	310.9	427.6	738.4	442.7	-8.4	434.3
		-16.50	303.9	477.3	781.2	468.3	-8.4	459.9
		-17.00	292.3	522.8	815.1	488.7	-8.4	480.2
		-17.50	333.7	559.0	892.7	535.2	-8.4	526.8
		-18.00	361.9	607.2	969.1	581.0	-8.4	572.6
		-18.50	396.1	655.2	1051.2	630.2	-8.4	621.8
		-19.00	452.3	711.5	1163.9	697.8	-8.4	689.3
		-19.50	470.0	771.5	1241.6	744.4	-8.4	735.9
		-20.00	688.2	829.9	1518.1	910.1	-8.4	901.7
		-20.50	729.7	904.8	1634.5	979.9	-8.4	971.5
		-21.00	785.2	979.8	1765.0	1058.2	-8.4	1049.7
		-21.50	840.1	1054.8	1894.9	1136.0	-8.4	1127.6
		-22.00	834.4	1129.8	1964.2	1177.6	-8.4	1169.2
		-22.50	814.6	1204.8	2019.4	1210.7	-8.4	1202.3
7 - Ontgraven tot	-8.36	-12.50	323.9	77.3	401.2	240.5	-8.4	232.1
		-13.00	378.3	135.5	513.8	308.1	-8.4	299.6
		-13.50	401.7	195.4	597.1	358.0	-8.4	349.5
		-14.00	397.7	252.2	649.9	389.6	-8.4	381.2
		-14.50	349.2	312.0	661.2	396.4	-8.4	388.0
		-15.00	332.0	366.1	698.0	418.5	-8.4	410.1
		-15.50	325.0	406.0	731.0	438.3	-8.4	429.9
		-16.00	292.0	453.8	745.7	447.1	-8.4	438.7
		-16.50	240.3	510.6	750.9	450.2	-8.4	441.8
		-17.00	246.5	540.5	787.1	471.9	-8.4	463.4
		-17.50	227.2	579.3	806.6	483.6	-8.4	475.1
		-18.00	255.5	615.4	870.8	522.1	-8.4	513.6
		-18.50	244.6	661.5	906.2	543.3	-8.4	534.9
		-19.00	236.1	696.8	932.9	559.3	-8.4	550.9
		-19.50	411.7	739.2	1150.9	690.0	-8.4	681.6
		-20.00	378.0	799.2	1177.2	705.7	-8.4	697.3
		-20.50	351.9	858.5	1210.4	725.7	-8.4	717.2
		-21.00	506.9	905.8	1412.7	846.9	-8.4	838.5
		-21.50	676.5	978.0	1654.5	991.9	-8.4	983.5
		-22.00	805.8	1053.0	1858.8	1114.4	-8.4	1106.0
		-22.50	937.5	1128.0	2065.5	1238.3	-8.4	1229.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
8 - Ontgraven tot	-8.36	-12.50	271.6	72.3	343.9	206.2	-7.8	198.4
		-13.00	316.6	124.6	441.2	264.5	-7.8	256.7
		-13.50	293.9	184.5	478.3	286.8	-7.8	279.0
		-14.00	263.6	232.7	496.3	297.5	-7.8	289.8
		-14.50	224.3	270.4	494.7	296.6	-7.8	288.8
		-15.00	214.3	303.0	517.2	310.1	-7.8	302.3
		-15.50	209.6	330.5	540.1	323.8	-7.8	316.0
		-16.00	223.9	355.9	579.8	347.6	-7.8	339.8
		-16.50	247.4	386.2	633.6	379.9	-7.8	372.1
		-17.00	214.3	425.8	640.0	383.7	-7.8	376.0
		-17.50	183.9	462.0	645.8	387.2	-7.8	379.4
		-18.00	178.9	488.8	667.7	400.3	-7.8	392.5
		-18.50	178.4	510.6	689.0	413.0	-7.8	405.3
		-19.00	205.9	533.2	739.2	443.1	-7.8	435.4
		-19.50	299.4	562.4	861.8	516.6	-7.8	508.9
		-20.00	461.6	620.2	1081.8	648.6	-7.8	640.8
		-20.50	601.1	692.2	1293.3	775.3	-7.8	767.6
		-21.00	750.2	767.2	1517.3	909.7	-7.8	901.9
		-21.50	818.5	842.2	1660.6	995.6	-7.8	987.8
		-22.00	830.6	917.2	1747.7	1047.8	-7.8	1040.0
		-22.50	937.5	992.2	1929.7	1156.9	-7.8	1149.1
9 - Ontgraven tot	-8.36	-12.50	328.6	72.8	401.4	240.7	-8.2	232.4
		-13.00	350.6	131.6	482.2	289.1	-8.2	280.8
		-13.50	342.6	189.3	532.0	318.9	-8.2	310.7
		-14.00	287.3	247.6	534.9	320.7	-8.2	312.5
		-14.50	275.5	295.4	571.0	342.3	-8.2	334.1
		-15.00	246.6	331.8	578.4	346.7	-8.2	338.5
		-15.50	239.2	366.2	605.4	363.0	-8.2	354.7
		-16.00	206.5	397.0	603.5	361.8	-8.2	353.6
		-16.50	204.5	424.3	628.7	376.9	-8.2	368.7
		-17.00	200.5	450.2	650.6	390.1	-8.2	381.8
		-17.50	208.2	475.7	683.9	410.0	-8.2	401.7
		-18.00	202.4	503.8	706.2	423.4	-8.2	415.1
		-18.50	243.0	527.7	770.7	462.0	-8.2	453.8
		-19.00	244.8	564.2	809.0	485.0	-8.2	476.8
		-19.50	471.2	618.3	1089.5	653.2	-8.2	644.9
		-20.00	484.5	693.3	1177.9	706.2	-8.2	697.9
		-20.50	498.2	766.6	1264.9	758.3	-8.2	750.1
		-21.00	681.4	836.7	1518.1	910.1	-8.2	901.9
		-21.50	844.4	911.7	1756.0	1052.8	-8.2	1044.5
		-22.00	851.0	986.7	1837.6	1101.7	-8.2	1093.5
		-22.50	847.7	1061.7	1909.4	1144.7	-8.2	1136.5
10 - Ontgraven tot	-8.36	-12.50	275.6	61.9	337.5	202.3	-8.2	194.1
		-13.00	293.3	116.9	410.1	245.9	-8.2	237.6
		-13.50	315.1	172.2	487.3	292.1	-8.2	283.9
		-14.00	344.1	213.5	557.5	334.2	-8.2	326.0
		-14.50	375.7	261.1	636.8	381.8	-8.2	373.5
		-15.00	293.7	313.5	607.2	364.0	-8.2	355.8
		-15.50	269.2	363.0	632.2	379.0	-8.2	370.8
		-16.00	251.0	407.0	658.0	394.5	-8.2	386.3
		-16.50	289.6	438.2	727.8	436.3	-8.2	428.1
		-17.00	279.1	489.0	768.1	460.5	-8.2	452.3
		-17.50	287.6	524.1	811.7	486.6	-8.2	478.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-18.00	435.5	570.3	1005.8	603.0	-8.2	594.8
		-18.50	343.4	630.3	973.8	583.8	-8.2	575.5
		-19.00	299.5	684.3	983.8	589.8	-8.2	581.6
		-19.50	331.9	719.8	1051.7	630.5	-8.2	622.3
		-20.00	376.7	765.9	1142.6	685.0	-8.2	676.8
		-20.50	413.5	819.1	1232.7	739.0	-8.2	730.8
		-21.00	479.7	874.0	1353.7	811.6	-8.2	803.4
		-21.50	710.8	945.3	1656.1	992.9	-8.2	984.6
		-22.00	870.3	1020.3	1890.6	1133.5	-8.2	1125.2
		-22.50	869.1	1095.3	1964.4	1177.7	-8.2	1169.5
11 - Ontgraven tot	-8.36	-12.50	251.1	53.0	304.2	182.3	-8.2	174.1
		-13.00	297.0	105.8	402.7	241.5	-8.2	233.2
		-13.50	244.4	165.2	409.6	245.6	-8.2	237.3
		-14.00	230.0	209.3	439.4	263.4	-8.2	255.2
		-14.50	219.6	247.7	467.3	280.2	-8.2	271.9
		-15.00	227.5	273.6	501.1	300.4	-8.2	292.2
		-15.50	403.3	307.7	711.0	426.3	-8.2	418.0
		-16.00	439.5	367.1	806.6	483.6	-8.2	475.3
		-16.50	380.2	427.1	807.3	484.0	-8.2	475.7
		-17.00	389.1	485.3	874.4	524.2	-8.2	516.0
		-17.50	334.0	537.3	871.3	522.4	-8.2	514.1
		-18.00	291.5	595.5	886.9	531.7	-8.2	523.5
		-18.50	279.0	638.6	917.6	550.1	-8.2	541.9
		-19.00	298.5	672.4	970.9	582.1	-8.2	573.8
		-19.50	351.1	711.5	1062.6	637.0	-8.2	628.8
		-20.00	700.2	770.8	1471.0	881.9	-8.2	873.7
		-20.50	862.1	845.8	1708.0	1024.0	-8.2	1015.7
		-21.00	933.8	920.8	1854.7	1111.9	-8.2	1103.7
		-21.50	909.4	995.8	1905.2	1142.2	-8.2	1134.0
		-22.00	835.5	1070.8	1906.4	1142.9	-8.2	1134.7
		-22.50	818.1	1145.8	1963.9	1177.4	-8.2	1169.1
12 - Ontgraven tot	-8.36	-12.50	305.4	65.1	370.5	222.1	-7.8	214.4
		-13.00	334.1	122.7	456.9	273.9	-7.8	266.2
		-13.50	330.3	182.7	513.0	307.6	-7.8	299.8
		-14.00	342.3	237.3	579.5	347.4	-7.8	339.7
		-14.50	349.8	281.7	631.5	378.6	-7.8	370.8
		-15.00	397.6	330.3	727.9	436.4	-7.8	428.6
		-15.50	379.8	390.3	770.1	461.7	-7.8	453.9
		-16.00	332.2	437.8	770.0	461.7	-7.8	453.9
		-16.50	315.5	487.7	803.2	481.5	-7.8	473.8
		-17.00	297.7	534.8	832.5	499.1	-7.8	491.3
		-17.50	294.0	570.7	864.7	518.4	-7.8	510.7
		-18.00	275.0	616.7	891.7	534.6	-7.8	526.8
		-18.50	331.5	653.1	984.6	590.3	-7.8	582.5
		-19.00	342.4	702.4	1044.8	626.4	-7.8	618.6
		-19.50	371.1	754.7	1125.8	675.0	-7.8	667.2
		-20.00	426.2	810.3	1236.5	741.3	-7.8	733.6
		-20.50	441.9	868.7	1310.6	785.7	-7.8	778.0
		-21.00	474.3	924.1	1398.4	838.4	-7.8	830.6
		-21.50	479.1	984.0	1463.1	877.1	-7.8	869.4
		-22.00	663.1	1051.3	1714.4	1027.8	-7.8	1020.1
		-22.50	644.9	1126.3	1771.3	1061.9	-7.8	1054.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-12.50	290.8	69.8	360.6	216.2	-7.8	208.4
		-13.00	273.3	128.9	402.3	241.2	-7.8	233.4
		-13.50	246.0	182.8	428.9	257.1	-7.8	249.3
		-14.00	249.9	222.3	472.1	283.0	-7.8	275.3
		-14.50	275.4	256.7	532.1	319.0	-7.8	311.3
		-15.00	276.1	295.7	571.8	342.8	-7.8	335.0
		-15.50	355.3	335.1	690.4	413.9	-7.8	406.2
		-16.00	368.8	389.6	758.4	454.7	-7.8	446.9
		-16.50	369.0	445.6	814.5	488.3	-7.8	480.6
		-17.00	389.4	493.8	883.2	529.5	-7.8	521.8
		-17.50	381.1	551.1	932.2	558.9	-7.8	551.1
		-18.00	375.6	600.0	975.6	584.9	-7.8	577.1
		-18.50	397.5	644.2	1041.7	624.5	-7.8	616.8
		-19.00	467.8	696.0	1163.8	697.7	-7.8	690.0
		-19.50	469.6	756.0	1225.6	734.8	-7.8	727.0
		-20.00	479.6	815.5	1295.1	776.5	-7.8	768.7
		-20.50	522.9	876.5	1399.4	838.9	-7.8	831.2
		-21.00	531.0	938.6	1469.6	881.1	-7.8	873.3
		-21.50	623.7	1002.1	1625.9	974.7	-7.8	967.0
		-22.00	865.8	1076.8	1942.6	1164.7	-7.8	1156.9
		-22.50	917.5	1151.8	2069.3	1240.6	-7.8	1232.8
14 - Ontgraven tot	-8.36	-12.50	303.8	75.5	379.3	227.4	-7.8	219.6
		-13.00	273.2	134.9	408.1	244.6	-7.8	236.9
		-13.50	272.6	191.7	464.3	278.4	-7.8	270.6
		-14.00	281.0	231.3	512.3	307.2	-7.8	299.4
		-14.50	262.6	274.9	537.5	322.3	-7.8	314.5
		-15.00	293.9	313.4	607.3	364.1	-7.8	356.4
		-15.50	399.0	354.9	753.9	452.0	-7.8	444.2
		-16.00	393.0	414.0	806.9	483.8	-7.8	476.0
		-16.50	354.1	473.7	827.8	496.3	-7.8	488.5
		-17.00	386.4	518.8	905.2	542.7	-7.8	534.9
		-17.50	392.5	570.1	962.6	577.1	-7.8	569.3
		-18.00	387.2	623.9	1011.1	606.2	-7.8	598.4
		-18.50	511.8	675.7	1187.5	711.9	-7.8	704.2
		-19.00	399.0	743.7	1142.8	685.1	-7.8	677.3
		-19.50	153.7	811.7	965.4	578.8	-7.8	571.0
		-20.00	90.9	872.2	963.0	577.4	-7.8	569.6
		-20.50	195.3	908.1	1103.4	661.5	-7.8	653.8
		-21.00	238.7	956.4	1195.1	716.5	-7.8	708.7
		-21.50	243.7	1015.0	1258.7	754.6	-7.8	746.9
		-22.00	257.0	1057.3	1314.3	787.9	-7.8	780.2
		-22.50	619.1	1109.0	1728.0	1036.0	-7.8	1028.2
15 - Ontgraven tot	-8.36	-12.50	296.3	106.0	402.3	241.2	-6.6	234.6
		-13.00	299.8	164.9	464.6	278.6	-6.6	272.0
		-13.50	327.2	209.1	536.3	321.5	-6.6	315.0
		-14.00	304.7	260.9	565.7	339.1	-6.6	332.6
		-14.50	347.6	305.1	652.7	391.3	-6.6	384.7
		-15.00	335.8	360.3	696.0	417.3	-6.6	410.7
		-15.50	334.0	404.6	738.6	442.8	-6.6	436.3
		-16.00	451.1	453.9	904.9	542.5	-6.6	536.0
		-16.50	512.3	514.3	1026.5	615.4	-6.6	608.8
		-17.00	518.2	579.5	1097.6	658.1	-6.6	651.5
		-17.50	385.1	645.2	1030.3	617.7	-6.6	611.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
15 - Ontgraven tot	-8.36	-18.00	360.4	711.3	1071.7	642.5	-6.6	635.9
		-18.50	317.7	769.6	1087.4	651.9	-6.6	645.3
		-19.00	366.8	811.6	1178.4	706.5	-6.6	699.9
		-19.50	355.2	869.4	1224.6	734.1	-6.6	727.6
		-20.00	353.7	920.4	1274.1	763.8	-6.6	757.3
		-20.50	339.2	967.2	1306.3	783.2	-6.6	776.6
		-21.00	300.0	1021.5	1321.5	792.3	-6.6	785.7
		-21.50	262.8	1070.7	1333.4	799.4	-6.6	792.8
		-22.00	498.4	1104.5	1602.8	960.9	-6.6	954.4
		-22.50	659.6	1178.8	1838.3	1102.1	-6.6	1095.5
16 - Ontgraven tot	-8.36	-12.50	274.1	87.4	361.5	216.7	-6.7	210.1
		-13.00	283.0	147.4	430.3	258.0	-6.7	251.3
		-13.50	256.7	193.6	450.3	270.0	-6.7	263.3
		-14.00	256.8	235.1	491.9	294.9	-6.7	288.3
		-14.50	265.3	269.0	534.4	320.4	-6.7	313.7
		-15.00	267.9	303.9	571.8	342.8	-6.7	336.1
		-15.50	370.2	344.5	714.7	428.5	-6.7	421.8
		-16.00	426.3	401.3	827.5	496.1	-6.7	489.5
		-16.50	411.0	460.9	871.9	522.7	-6.7	516.1
		-17.00	337.6	520.9	858.4	514.6	-6.7	508.0
		-17.50	310.5	579.4	890.0	533.6	-6.7	526.9
		-18.00	323.3	617.1	940.4	563.8	-6.7	557.1
		-18.50	447.2	660.8	1108.0	664.3	-6.7	657.6
		-19.00	445.1	724.1	1169.2	700.9	-6.7	694.3
		-19.50	456.0	788.6	1244.6	746.2	-6.7	739.5
		-20.00	439.4	852.4	1291.7	774.4	-6.7	767.8
		-20.50	444.7	910.1	1354.8	812.2	-6.7	805.6
		-21.00	425.4	968.1	1393.4	835.4	-6.7	828.7
		-21.50	865.1	1031.4	1896.4	1136.9	-6.7	1130.3
		-22.00	937.5	1106.4	2043.9	1225.3	-6.7	1218.7
		-22.50	660.8	1181.4	1842.2	1104.4	-6.7	1097.8
17 - Ontgraven tot	-8.36	-12.50	321.3	81.7	403.1	241.7	-7.3	234.4
		-13.00	304.9	139.6	444.6	266.5	-7.3	259.2
		-13.50	324.8	196.4	521.2	312.5	-7.3	305.2
		-14.00	296.4	244.5	540.9	324.3	-7.3	317.0
		-14.50	291.1	288.3	579.4	347.3	-7.3	340.1
		-15.00	316.9	329.0	645.9	387.2	-7.3	380.0
		-15.50	382.9	374.1	757.0	453.8	-7.3	446.5
		-16.00	424.5	429.8	854.3	512.1	-7.3	504.9
		-16.50	435.4	489.2	924.6	554.3	-7.3	547.0
		-17.00	506.6	550.6	1057.3	633.9	-7.3	626.6
		-17.50	504.9	615.9	1120.8	671.9	-7.3	664.7
		-18.00	500.2	679.0	1179.2	706.9	-7.3	699.7
		-18.50	570.9	738.1	1309.0	784.8	-7.3	777.5
		-19.00	532.6	798.4	1331.0	798.0	-7.3	790.7
		-19.50	573.8	858.7	1432.6	858.9	-7.3	851.6
		-20.00	558.4	919.0	1477.4	885.7	-7.3	878.5
		-20.50	560.4	978.5	1539.0	922.7	-7.3	915.4
		-21.00	672.7	1042.7	1715.4	1028.4	-7.3	1021.1
		-21.50	901.3	1116.7	2018.0	1209.8	-7.3	1202.5
		-22.00	937.5	1191.7	2129.2	1276.5	-7.3	1269.2
		-22.50	937.5	1266.7	2204.2	1321.5	-7.3	1314.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
18 - Ontgraven tot	-8.36	-12.50	294.4	71.2	365.6	219.2	-7.8	211.4
		-13.00	292.9	126.9	419.8	251.7	-7.8	243.9
		-13.50	302.9	186.0	488.9	293.1	-7.8	285.4
		-14.00	300.5	237.1	537.6	322.3	-7.8	314.5
		-14.50	263.7	273.9	537.6	322.3	-7.8	314.5
		-15.00	223.1	317.6	540.7	324.2	-7.8	316.4
		-15.50	212.3	354.8	567.1	340.0	-7.8	332.3
		-16.00	213.1	381.1	594.3	356.3	-7.8	348.5
		-16.50	257.2	409.2	666.4	399.5	-7.8	391.8
		-17.00	362.3	448.9	811.2	486.3	-7.8	478.6
		-17.50	683.7	516.0	1199.6	719.2	-7.8	711.5
		-18.00	411.8	591.0	1002.8	601.2	-7.8	593.4
		-18.50	357.2	666.0	1023.1	613.4	-7.8	605.6
		-19.00	293.9	729.8	1023.7	613.7	-7.8	606.0
		-19.50	389.6	780.3	1169.9	701.4	-7.8	693.6
		-20.00	360.7	839.5	1200.2	719.6	-7.8	711.8
		-20.50	416.5	891.6	1308.0	784.2	-7.8	776.4
		-21.00	528.7	951.1	1479.8	887.2	-7.8	879.4
		-21.50	540.9	1020.8	1561.7	936.3	-7.8	928.5
		-22.00	545.0	1090.5	1635.4	980.5	-7.8	972.7
		-22.50	766.6	1161.8	1928.4	1156.1	-7.8	1148.3
19 - Ontgraven tot	-8.36	-12.50	289.9	97.0	386.9	232.0	-7.3	224.7
		-13.00	300.2	157.0	457.3	274.1	-7.3	266.9
		-13.50	316.8	204.9	521.7	312.8	-7.3	305.5
		-14.00	322.8	246.8	569.6	341.5	-7.3	334.2
		-14.50	311.3	300.5	611.8	366.8	-7.3	359.5
		-15.00	302.1	343.8	645.9	387.2	-7.3	379.9
		-15.50	342.3	392.6	734.9	440.6	-7.3	433.3
		-16.00	302.8	440.6	743.4	445.7	-7.3	438.4
		-16.50	298.3	484.4	782.7	469.3	-7.3	462.0
		-17.00	292.2	524.2	816.4	489.5	-7.3	482.2
		-17.50	608.9	569.1	1177.9	706.2	-7.3	698.9
		-18.00	641.4	644.1	1285.5	770.7	-7.3	763.4
		-18.50	599.3	719.1	1318.3	790.4	-7.3	783.1
		-19.00	484.9	794.1	1278.9	766.7	-7.3	759.5
		-19.50	403.4	864.6	1267.9	760.2	-7.3	752.9
		-20.00	474.1	917.7	1391.8	834.4	-7.3	827.1
		-20.50	418.2	977.7	1395.9	836.9	-7.3	829.6
		-21.00	579.6	1040.1	1619.7	971.0	-7.3	963.8
		-21.50	588.4	1115.1	1703.6	1021.3	-7.3	1014.0
		-22.00	753.6	1189.5	1943.1	1164.9	-7.3	1157.6
		-22.50	822.4	1264.5	2086.9	1251.1	-7.3	1243.8

**SAMENVATTINGSTABEL 290p (n=1)****Uitgangspunten**

- paal	:	290p
- paaltype	:	Geheide paal (beton)
- schachtafmeting	:	290 x 290
Paalklassefactor α_p	:	0.70
Factor α_s (tabel 7.c EC 7.1)	:	0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor $\xi_{3(n=1)}$	:	1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	603.6	140.9	744.5	446.4	-73.4	373.0
		-13.00	577.4	227.9	805.3	482.8	-73.4	409.5
		-13.50	585.4	314.9	900.3	539.7	-73.4	466.4
		-14.00	597.9	401.9	999.8	599.4	-73.4	526.0
		-14.50	485.4	467.9	953.3	571.6	-73.4	498.2
		-15.00	440.7	535.1	975.8	585.0	-73.4	511.6
		-15.50	410.8	604.6	1015.5	608.8	-73.4	535.4
		-16.00	399.9	651.1	1051.0	630.1	-73.4	556.7
		-16.50	491.2	692.9	1184.1	709.9	-73.4	636.5
		-17.00	562.2	752.9	1315.1	788.4	-73.4	715.1
		-17.50	657.4	827.2	1484.6	890.1	-73.4	816.7
		-18.00	598.6	914.2	1512.9	907.0	-73.4	833.6
		-18.50	533.9	1001.2	1535.1	920.3	-73.4	847.0
		-19.00	552.2	1062.2	1614.5	967.9	-73.4	894.5
		-19.50	532.9	1127.2	1660.1	995.2	-73.4	921.9
		-20.00	648.2	1186.8	1834.9	1100.1	-73.4	1026.7
		-20.50	625.9	1256.4	1882.2	1128.4	-73.4	1055.1
		-21.00	959.9	1332.5	2292.4	1374.4	-73.4	1301.0
		-21.50	1000.0	1419.5	2419.5	1450.5	-73.4	1377.2
		-22.00	1151.8	1506.5	2658.3	1593.7	-73.4	1520.3
		-22.50	1243.1	1593.5	2836.6	1700.6	-73.4	1627.2
2	-4.31	-12.50	522.4	119.5	641.9	384.8	-73.9	310.9
		-13.00	486.1	197.9	684.0	410.1	-73.9	336.2
		-13.50	477.4	276.6	754.0	452.0	-73.9	378.1
		-14.00	476.3	349.6	826.0	495.2	-73.9	421.3
		-14.50	478.7	405.8	884.5	530.3	-73.9	456.4
		-15.00	485.0	455.5	940.5	563.8	-73.9	489.9
		-15.50	497.7	513.9	1011.5	606.4	-73.9	532.5
		-16.00	479.6	572.7	1052.3	630.8	-73.9	556.9
		-16.50	466.3	634.3	1100.6	659.8	-73.9	585.9
		-17.00	462.9	683.4	1146.3	687.2	-73.9	613.3
		-17.50	566.1	733.0	1299.1	778.8	-73.9	704.9
		-18.00	541.7	802.3	1344.0	805.8	-73.9	731.9
		-18.50	614.4	865.6	1480.0	887.3	-73.9	813.4
		-19.00	626.5	935.2	1561.7	936.2	-73.9	862.3
		-19.50	636.2	1001.7	1637.9	982.0	-73.9	908.1
		-20.00	613.3	1071.3	1684.6	1010.0	-73.9	936.0
		-20.50	624.5	1138.0	1762.5	1056.7	-73.9	982.8
		-21.00	977.9	1208.5	2186.4	1310.8	-73.9	1236.9
		-21.50	1190.2	1295.5	2485.7	1490.3	-73.9	1416.3
		-22.00	1105.1	1382.5	2487.6	1491.4	-73.9	1417.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
2	-4.31	-22.50	1144.6	1469.5	2614.1	1567.2	-73.9	1493.3
3	-4.03	-12.50	637.6	143.8	781.4	468.4	-84.6	383.9
		-13.00	600.9	230.8	831.7	498.6	-84.6	414.1
		-13.50	501.9	317.8	819.7	491.4	-84.6	406.9
		-14.00	485.9	399.9	885.8	531.1	-84.6	446.5
		-14.50	467.0	467.0	934.0	560.0	-84.6	475.4
		-15.00	462.8	518.9	981.7	588.5	-84.6	504.0
		-15.50	459.1	567.0	1026.1	615.2	-84.6	530.6
		-16.00	463.2	613.3	1076.5	645.4	-84.6	560.8
		-16.50	446.8	667.9	1114.7	668.3	-84.6	583.7
		-17.00	480.5	713.3	1193.8	715.7	-84.6	631.1
		-17.50	687.7	771.7	1459.4	875.0	-84.6	790.4
		-18.00	572.0	852.5	1424.5	854.0	-84.6	769.5
		-18.50	521.7	935.5	1457.2	873.6	-84.6	789.1
		-19.00	394.3	1013.7	1408.0	844.1	-84.6	759.6
		-19.50	390.0	1065.0	1455.0	872.3	-84.6	787.7
		-20.00	363.2	1118.5	1481.7	888.3	-84.6	803.7
		-20.50	615.0	1157.5	1772.5	1062.6	-84.6	978.1
		-21.00	960.1	1241.5	2201.6	1319.9	-84.6	1235.3
		-21.50	962.0	1328.5	2290.6	1373.2	-84.6	1288.7
		-22.00	1004.6	1415.5	2420.1	1450.9	-84.6	1366.3
		-22.50	1038.4	1502.5	2541.0	1523.4	-84.6	1438.8
4	-4.21	-12.50	554.1	133.1	687.2	412.0	-74.3	337.7
		-13.00	596.7	211.3	808.0	484.4	-74.3	410.1
		-13.50	649.0	289.6	938.6	562.7	-74.3	488.4
		-14.00	743.6	365.1	1108.6	664.6	-74.3	590.3
		-14.50	753.0	441.6	1194.6	716.2	-74.3	641.9
		-15.00	759.7	518.2	1277.8	766.1	-74.3	691.8
		-15.50	741.4	594.7	1336.2	801.1	-74.3	726.7
		-16.00	784.9	675.4	1460.3	875.5	-74.3	801.2
		-16.50	695.6	762.4	1458.1	874.1	-74.3	799.8
		-17.00	622.7	841.8	1464.5	878.0	-74.3	803.7
		-17.50	530.5	910.3	1440.8	863.8	-74.3	789.5
		-18.00	451.4	982.1	1433.5	859.4	-74.3	785.1
		-18.50	416.5	1040.2	1456.7	873.4	-74.3	799.0
		-19.00	551.8	1087.8	1639.6	982.9	-74.3	908.6
		-19.50	610.9	1154.6	1765.6	1058.5	-74.3	984.2
		-20.00	651.5	1223.7	1875.2	1124.2	-74.3	1049.9
		-20.50	934.7	1305.3	2240.0	1342.9	-74.3	1268.6
		-21.00	1004.8	1392.3	2397.1	1437.1	-74.3	1362.8
		-21.50	980.5	1479.3	2459.8	1474.7	-74.3	1400.4
		-22.00	946.1	1566.3	2512.4	1506.2	-74.3	1431.9
		-22.50	972.9	1653.3	2626.1	1574.4	-74.3	1500.1
5	-4.10	-12.50	622.3	144.7	767.0	459.8	-79.9	379.9
		-13.00	661.8	231.6	893.5	535.7	-79.9	455.8
		-13.50	514.2	318.6	832.8	499.3	-79.9	419.4
		-14.00	474.6	405.6	880.3	527.7	-79.9	447.9
		-14.50	436.6	484.6	921.2	552.2	-79.9	472.4
		-15.00	433.2	532.2	965.4	578.8	-79.9	498.9
		-15.50	526.8	580.7	1107.5	664.0	-79.9	584.1
		-16.00	521.6	649.8	1171.4	702.3	-79.9	622.4
		-16.50	487.4	716.6	1204.0	721.8	-79.9	641.9
		-17.00	548.9	771.2	1320.1	791.4	-79.9	711.6
		-17.50	500.6	838.7	1339.3	803.0	-79.9	723.1
		-18.00	464.7	908.2	1372.9	823.1	-79.9	743.2
		-18.50	456.3	962.5	1418.8	850.6	-79.9	770.7
		-19.00	455.9	1008.7	1464.6	878.0	-79.9	798.2
		-19.50	469.6	1054.8	1524.3	913.9	-79.9	834.0
		-20.00	585.8	1104.5	1690.3	1013.4	-79.9	933.5
		-20.50	732.0	1180.0	1911.9	1146.2	-79.9	1066.4
		-21.00	1209.2	1267.0	2476.1	1484.5	-79.9	1404.6
		-21.50	1261.5	1354.0	2615.5	1568.0	-79.9	1488.1
		-22.00	1240.2	1441.0	2681.2	1607.4	-79.9	1527.5
		-22.50	1261.5	1528.0	2789.5	1672.3	-79.9	1592.5
6	-4.28	-12.50	604.0	130.5	734.4	440.3	-73.4	366.9
		-13.00	610.9	215.2	826.1	495.3	-73.4	421.9
		-13.50	483.6	299.9	783.5	469.7	-73.4	396.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-14.00	488.4	382.8	871.2	522.3	-73.4	448.9
		-14.50	457.7	454.5	912.2	546.9	-73.4	473.5
		-15.00	477.4	503.5	980.9	588.1	-73.4	514.6
		-15.50	567.6	562.4	1130.0	677.5	-73.4	604.0
		-16.00	501.8	632.0	1133.8	679.8	-73.4	606.3
		-16.50	491.4	700.2	1191.6	714.4	-73.4	641.0
		-17.00	468.8	761.6	1230.4	737.7	-73.4	664.3
		-17.50	530.8	811.4	1342.3	804.7	-73.4	731.3
		-18.00	570.3	875.6	1445.8	866.8	-73.4	793.4
		-18.50	621.9	940.3	1562.2	936.6	-73.4	863.1
		-19.00	694.0	1015.6	1709.6	1024.9	-73.4	951.5
		-19.50	714.8	1095.1	1809.8	1085.0	-73.4	1011.6
		-20.00	1049.9	1172.4	2222.3	1332.3	-73.4	1258.9
		-20.50	1097.7	1259.4	2357.1	1413.1	-73.4	1339.7
		-21.00	1188.1	1346.4	2534.5	1519.5	-73.4	1446.1
		-21.50	1187.1	1433.4	2620.5	1571.0	-73.4	1497.6
		-22.00	1221.9	1520.4	2742.3	1644.0	-73.4	1570.6
		-22.50	1206.4	1607.4	2813.7	1686.9	-73.4	1613.5
7	-4.33	-12.50	605.3	137.9	743.2	445.6	-69.3	376.3
		-13.00	669.6	221.7	891.3	534.4	-69.3	465.1
		-13.50	702.4	305.6	1008.0	604.3	-69.3	535.0
		-14.00	610.9	388.7	999.6	599.3	-69.3	530.0
		-14.50	578.7	473.8	1052.5	631.0	-69.3	561.7
		-15.00	550.4	551.4	1101.8	660.5	-69.3	591.3
		-15.50	485.8	608.5	1094.4	656.1	-69.3	586.8
		-16.00	466.3	671.5	1137.9	682.2	-69.3	612.9
		-16.50	377.2	739.7	1116.9	669.6	-69.3	600.3
		-17.00	387.1	780.8	1167.8	700.1	-69.3	630.9
		-17.50	356.7	833.5	1190.3	713.6	-69.3	644.3
		-18.00	395.7	882.1	1277.7	766.0	-69.3	696.7
		-18.50	377.8	943.9	1321.7	792.4	-69.3	723.1
		-19.00	369.1	990.8	1359.9	815.3	-69.3	746.0
		-19.50	593.6	1045.4	1638.9	982.6	-69.3	913.3
		-20.00	566.7	1119.3	1685.9	1010.8	-69.3	941.5
		-20.50	523.5	1192.9	1716.4	1029.0	-69.3	959.8
		-21.00	784.6	1254.2	2038.8	1222.3	-69.3	1153.0
		-21.50	991.5	1339.5	2331.0	1397.5	-69.3	1328.2
		-22.00	1179.1	1426.5	2605.6	1562.1	-69.3	1492.8
8	-4.35	-12.50	527.3	131.4	658.6	394.9	-68.7	326.2
		-13.00	522.3	209.1	731.4	438.5	-68.7	369.8
		-13.50	474.6	288.2	762.8	457.3	-68.7	388.6
		-14.00	417.4	360.7	778.1	466.5	-68.7	397.8
		-14.50	363.6	417.2	780.8	468.1	-68.7	399.4
		-15.00	354.6	465.0	819.7	491.4	-68.7	422.7
		-15.50	345.7	504.6	850.4	509.8	-68.7	441.1
		-16.00	369.4	540.7	910.2	545.7	-68.7	477.0
		-16.50	388.3	583.2	971.5	582.4	-68.7	513.7
		-17.00	315.6	637.8	953.4	571.6	-68.7	502.9
		-17.50	286.4	687.4	973.8	583.8	-68.7	515.1
		-18.00	278.1	723.8	1001.9	600.7	-68.7	532.0
		-18.50	278.2	753.1	1031.3	618.3	-68.7	549.6
		-19.00	319.0	783.4	1102.3	660.9	-68.7	592.2
		-19.50	468.6	822.0	1290.6	773.7	-68.7	705.0
		-20.00	694.7	896.9	1591.6	954.2	-68.7	885.5
		-20.50	893.1	983.9	1877.0	1125.3	-68.7	1056.6
		-21.00	1089.3	1070.9	2160.2	1295.1	-68.7	1226.4
		-21.50	1184.2	1157.9	2342.1	1404.1	-68.7	1335.4
		-22.00	1204.7	1244.9	2449.6	1468.6	-68.7	1399.9
		-22.50	1261.5	1331.9	2593.4	1554.8	-68.7	1486.1
9	-4.34	-12.50	609.1	132.6	741.7	444.7	-70.5	374.1
		-13.00	609.7	217.7	827.4	496.0	-70.5	425.5
		-13.50	484.2	302.9	787.0	471.9	-70.5	401.3
		-14.00	481.9	387.3	869.2	521.1	-70.5	450.6
		-14.50	447.3	458.6	905.9	543.1	-70.5	472.6
		-15.00	399.3	512.0	911.2	546.3	-70.5	475.8
		-15.50	371.2	561.7	932.8	559.2	-70.5	488.7
		-16.00	329.9	605.3	935.2	560.7	-70.5	490.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
9	-4.34	-16.50	326.5	643.5	970.0	581.5	-70.5	511.0
		-17.00	320.4	679.3	999.7	599.3	-70.5	528.8
		-17.50	328.3	714.2	1042.5	625.0	-70.5	554.5
		-18.00	318.2	752.4	1070.6	641.8	-70.5	571.3
		-18.50	380.3	784.5	1164.8	698.3	-70.5	627.8
		-19.00	389.1	833.3	1222.4	732.9	-70.5	662.4
		-19.50	705.0	899.8	1604.8	962.1	-70.5	891.6
		-20.00	722.9	986.8	1709.8	1025.0	-70.5	954.5
		-20.50	736.0	1073.7	1809.7	1085.0	-70.5	1014.4
		-21.00	1002.4	1160.0	2162.3	1296.4	-70.5	1225.9
		-21.50	1200.6	1247.0	2447.6	1467.4	-70.5	1396.9
		-22.00	1256.6	1334.0	2590.6	1553.1	-70.5	1482.6
		-22.50	1242.7	1421.0	2663.7	1596.9	-70.5	1526.4
10	-4.05	-12.50	520.1	121.6	641.7	384.7	-84.5	300.2
		-13.00	547.7	200.1	747.8	448.3	-84.5	363.8
		-13.50	578.4	278.4	856.8	513.7	-84.5	429.2
		-14.00	634.2	345.9	980.1	587.6	-84.5	503.1
		-14.50	651.8	413.8	1065.6	638.8	-84.5	554.3
		-15.00	476.2	481.6	957.8	574.2	-84.5	489.7
		-15.50	457.3	550.9	1008.2	604.4	-84.5	520.0
		-16.00	425.3	614.7	1040.0	623.5	-84.5	539.0
		-16.50	482.7	660.3	1143.0	685.2	-84.5	600.8
		-17.00	462.1	726.8	1188.9	712.8	-84.5	628.3
		-17.50	478.1	776.7	1254.8	752.3	-84.5	667.8
		-18.00	660.8	839.1	1499.9	899.2	-84.5	814.7
		-18.50	547.1	913.7	1460.8	875.8	-84.5	791.3
		-19.00	477.2	983.2	1460.4	875.5	-84.5	791.1
		-19.50	534.1	1031.8	1565.9	938.8	-84.5	854.3
		-20.00	591.4	1093.7	1685.1	1010.2	-84.5	925.8
		-20.50	641.8	1162.3	1804.0	1081.5	-84.5	997.1
		-21.00	755.1	1231.7	1986.8	1191.1	-84.5	1106.7
		-21.50	1080.6	1317.0	2397.6	1437.4	-84.5	1352.9
11	-4.07	-12.50	503.0	101.9	604.9	362.7	-81.1	281.6
		-13.00	489.1	175.5	664.5	398.4	-81.1	317.3
		-13.50	403.6	249.5	653.1	391.5	-81.1	310.5
		-14.00	406.4	318.4	724.9	434.6	-81.1	353.5
		-14.50	385.1	376.9	762.1	456.9	-81.1	375.8
		-15.00	398.6	416.1	814.7	488.4	-81.1	407.4
		-15.50	697.4	466.7	1164.1	697.9	-81.1	616.9
		-16.00	653.1	550.1	1203.2	721.3	-81.1	640.3
		-16.50	614.5	633.8	1248.3	748.4	-81.1	667.3
		-17.00	602.9	710.4	1313.4	787.4	-81.1	706.3
		-17.50	500.4	779.8	1280.2	767.5	-81.1	686.5
		-18.00	461.2	849.4	1310.6	785.7	-81.1	704.7
		-18.50	440.8	908.7	1349.6	809.1	-81.1	728.0
		-19.00	469.5	954.8	1424.2	853.9	-81.1	772.8
		-19.50	567.0	1007.7	1574.7	944.0	-81.1	863.0
12	-4.04	-12.50	633.0	127.0	759.9	455.6	-82.2	373.3
		-13.00	616.0	213.9	829.9	497.5	-82.2	415.3
		-13.50	591.8	300.9	892.7	535.2	-82.2	452.9
		-14.00	617.7	384.0	1001.7	600.5	-82.2	518.3
		-14.50	627.6	450.9	1078.4	646.5	-82.2	564.3
		-15.00	692.4	517.7	1210.1	725.5	-82.2	643.2
		-15.50	657.5	587.3	1244.8	746.3	-82.2	664.0
		-16.00	536.7	654.9	1191.7	714.4	-82.2	632.2
		-16.50	518.4	724.1	1242.5	744.9	-82.2	662.6
		-17.00	469.7	788.2	1257.9	754.1	-82.2	671.9
		-17.50	474.5	839.1	1313.5	787.5	-82.2	705.3
		-18.00	443.1	902.0	1345.1	806.4	-82.2	724.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12	-4.04	-18.50	530.3	952.5	1482.8	889.0	-82.2	806.7
		-19.00	552.7	1016.6	1569.3	940.8	-82.2	858.6
		-19.50	603.9	1082.7	1686.7	1011.2	-82.2	929.0
		-20.00	658.9	1152.6	1811.6	1086.1	-82.2	1003.8
		-20.50	676.1	1225.3	1901.4	1139.9	-82.2	1057.7
		-21.00	726.2	1297.9	2024.1	1213.5	-82.2	1131.2
		-21.50	740.3	1370.5	2110.8	1265.5	-82.2	1183.2
		-22.00	964.4	1451.8	2416.2	1448.5	-82.2	1366.3
		-22.50	975.4	1538.8	2514.1	1507.3	-82.2	1425.0
13	-4.03	-12.50	510.0	134.6	644.6	386.4	-83.0	303.4
		-13.00	452.0	214.1	666.2	399.4	-83.0	316.4
		-13.50	439.6	293.4	733.0	439.4	-83.0	356.4
		-14.00	454.3	357.6	811.9	486.7	-83.0	403.7
		-14.50	492.9	412.0	904.9	542.5	-83.0	459.5
		-15.00	489.7	472.1	961.8	576.6	-83.0	493.6
		-15.50	602.4	530.8	1133.2	679.4	-83.0	596.4
		-16.00	621.9	600.6	1222.5	732.9	-83.0	649.9
		-16.50	614.5	670.1	1284.6	770.2	-83.0	687.1
		-17.00	629.4	737.5	1366.9	819.5	-83.0	736.4
		-17.50	613.1	807.1	1420.2	851.4	-83.0	768.4
		-18.00	609.0	873.9	1482.9	889.0	-83.0	806.0
		-18.50	646.4	935.4	1581.8	948.3	-83.0	865.3
		-19.00	742.3	1005.1	1747.3	1047.6	-83.0	964.5
		-19.50	740.1	1081.8	1821.9	1092.2	-83.0	1009.2
		-20.00	753.1	1158.9	1912.1	1146.3	-83.0	1063.3
		-20.50	807.2	1236.7	2043.9	1225.4	-83.0	1142.3
		-21.00	817.5	1314.4	2131.9	1278.1	-83.0	1195.1
		-21.50	972.6	1393.6	2366.3	1418.6	-83.0	1335.6
		-22.00	1261.5	1480.6	2742.1	1644.0	-83.0	1560.9
		-22.50	1261.5	1567.6	2829.1	1696.1	-83.0	1613.1
14	-4.04	-12.50	503.3	146.2	649.5	389.4	-82.6	306.8
		-13.00	505.7	233.2	739.0	443.0	-82.6	360.4
		-13.50	471.3	320.2	791.6	474.6	-82.6	391.9
		-14.00	504.6	384.7	889.3	533.2	-82.6	450.5
		-14.50	471.8	450.8	922.6	553.1	-82.6	470.5
		-15.00	519.0	507.6	1026.7	615.5	-82.6	532.9
		-15.50	676.4	570.0	1246.4	747.3	-82.6	664.6
		-16.00	659.3	649.0	1308.3	784.3	-82.6	701.7
		-16.50	591.0	727.9	1318.9	790.7	-82.6	708.1
		-17.00	623.7	792.7	1416.4	849.1	-82.6	766.5
		-17.50	643.7	861.8	1505.5	902.6	-82.6	820.0
		-18.00	625.0	930.1	1555.1	932.3	-82.6	849.7
		-18.50	776.5	998.1	1774.6	1063.9	-82.6	981.3
		-19.00	260.9	1085.1	1346.0	807.0	-82.6	724.3
		-19.50	241.7	1172.1	1413.8	847.6	-82.6	765.0
		-20.00	142.4	1252.4	1394.9	836.2	-82.6	753.6
		-20.50	303.9	1299.4	1603.3	961.2	-82.6	878.6
		-21.00	356.7	1359.4	1716.0	1028.8	-82.6	946.2
		-21.50	361.0	1428.7	1789.7	1073.0	-82.6	990.3
		-22.00	379.2	1484.9	1864.1	1117.5	-82.6	1034.9
		-22.50	914.7	1548.9	2463.6	1477.0	-82.6	1394.3
15	-3.79	-12.50	586.1	200.5	786.7	471.6	-87.3	384.3
		-13.00	553.1	284.9	838.0	502.4	-87.3	415.1
		-13.50	600.2	359.1	959.3	575.1	-87.3	487.8
		-14.00	574.2	427.8	1002.0	600.7	-87.3	513.4
		-14.50	627.9	492.0	1119.9	671.4	-87.3	584.0
		-15.00	600.6	561.3	1161.9	696.6	-87.3	609.2
		-15.50	596.1	628.7	1224.8	734.3	-87.3	647.0
		-16.00	777.3	701.8	1479.0	886.7	-87.3	799.4
		-16.50	861.1	788.8	1649.9	989.1	-87.3	901.8
		-17.00	830.7	875.8	1706.5	1023.1	-87.3	935.7
		-17.50	615.5	962.8	1578.3	946.2	-87.3	858.9
		-18.00	584.7	1049.8	1634.5	979.9	-87.3	892.6
		-18.50	518.5	1128.8	1647.2	987.5	-87.3	900.2
		-19.00	587.5	1187.2	1774.7	1064.0	-87.3	976.6
		-19.50	568.1	1256.8	1824.8	1094.0	-87.3	1006.7
		-20.00	559.1	1320.7	1879.8	1127.0	-87.3	1039.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
15	-3.79	-20.50	488.4	1380.4	1868.7	1120.3	-87.3	1033.0
		-21.00	466.2	1447.9	1914.0	1147.5	-87.3	1060.2
		-21.50	407.7	1508.9	1916.6	1149.1	-87.3	1061.7
		-22.00	791.1	1554.2	2345.3	1406.0	-87.3	1318.7
		-22.50	1012.2	1641.0	2653.2	1590.6	-87.3	1503.3
16	-3.91	-12.50	520.5	158.2	678.7	406.9	-82.2	324.6
		-13.00	464.3	237.0	701.2	420.4	-82.2	338.2
		-13.50	459.2	309.4	768.6	460.8	-82.2	378.6
		-14.00	467.4	374.4	841.9	504.7	-82.2	422.5
		-14.50	475.0	427.2	902.1	540.9	-82.2	458.6
		-15.00	477.7	480.8	958.5	574.6	-82.2	492.4
		-15.50	645.1	541.5	1186.7	711.4	-82.2	629.2
		-16.00	721.9	623.5	1345.5	806.6	-82.2	724.4
		-16.50	631.8	707.8	1339.5	803.1	-82.2	720.9
		-17.00	543.4	792.1	1335.4	800.6	-82.2	718.4
		-17.50	505.2	874.5	1379.7	827.2	-82.2	745.0
		-18.00	523.8	927.5	1451.3	870.1	-82.2	787.8
		-18.50	735.7	988.0	1723.7	1033.4	-82.2	951.2
		-19.00	699.3	1073.6	1772.9	1062.9	-82.2	980.6
		-19.50	713.4	1160.6	1874.0	1123.5	-82.2	1041.3
		-20.00	678.0	1246.6	1924.5	1153.8	-82.2	1071.6
		-20.50	682.4	1316.2	1998.6	1198.2	-82.2	1116.0
		-21.00	668.9	1385.6	2054.5	1231.7	-82.2	1149.5
		-21.50	1261.5	1463.9	2725.4	1633.9	-82.2	1551.7
		-22.00	1241.5	1550.9	2792.4	1674.1	-82.2	1591.9
		-22.50	736.0	1637.9	2373.9	1423.2	-82.2	1341.0
17	-4.01	-12.50	578.1	157.9	736.0	441.3	-80.1	361.2
		-13.00	553.0	242.5	795.5	476.9	-80.1	396.8
		-13.50	577.4	327.1	904.5	542.3	-80.1	462.2
		-14.00	521.8	401.2	923.0	553.4	-80.1	473.3
		-14.50	510.0	465.9	975.8	585.0	-80.1	504.9
		-15.00	558.1	526.2	1084.3	650.0	-80.1	569.9
		-15.50	656.3	590.0	1246.3	747.2	-80.1	667.1
		-16.00	709.3	669.3	1378.6	826.5	-80.1	746.4
		-16.50	721.1	749.1	1470.2	881.4	-80.1	801.3
		-17.00	778.9	833.2	1612.1	966.5	-80.1	886.4
		-17.50	799.3	920.2	1719.5	1030.9	-80.1	950.8
		-18.00	798.7	1005.3	1804.0	1081.5	-80.1	1001.4
		-18.50	905.7	1085.9	1991.6	1194.0	-80.1	1113.9
		-19.00	841.9	1167.8	2009.7	1204.8	-80.1	1124.7
		-19.50	895.0	1249.6	2144.6	1285.8	-80.1	1205.7
		-20.00	866.9	1331.4	2198.3	1317.9	-80.1	1237.8
		-20.50	867.4	1411.7	2279.2	1366.4	-80.1	1286.3
		-21.00	1094.5	1497.0	2591.4	1553.6	-80.1	1473.5
18	-4.40	-21.50	1261.5	1583.9	2845.4	1705.9	-80.1	1625.8
		-22.00	1261.5	1670.9	2932.4	1758.0	-80.1	1677.9
		-22.50	1261.5	1757.9	3019.4	1810.2	-80.1	1730.1
		-12.50	548.0	127.9	675.9	405.2	-67.0	338.2
		-13.00	488.0	211.8	699.9	419.6	-67.0	352.6
		-13.50	508.0	296.7	804.7	482.4	-67.0	415.5
		-14.00	512.3	373.7	886.0	531.2	-67.0	464.2
		-14.50	417.5	428.6	846.1	507.3	-67.0	440.3
		-15.00	364.3	491.7	856.0	513.2	-67.0	446.2
		-15.50	346.0	545.2	891.2	534.3	-67.0	467.3
		-16.00	348.7	582.3	931.0	558.2	-67.0	491.2
		-16.50	416.4	621.4	1037.8	622.2	-67.0	555.2
		-17.00	593.7	676.1	1269.7	761.2	-67.0	694.3
		-17.50	890.2	757.7	1647.9	987.9	-67.0	921.0
		-18.00	628.3	844.7	1473.0	883.1	-67.0	816.1
		-18.50	546.2	931.7	1477.8	886.0	-67.0	819.0
		-19.00	473.3	1008.8	1482.2	888.6	-67.0	821.6
		-19.50	592.5	1070.1	1662.6	996.7	-67.0	929.8
		-20.00	546.2	1140.1	1686.3	1011.0	-67.0	944.0
		-20.50	625.0	1204.5	1829.5	1096.8	-67.0	1029.9
		-21.00	774.5	1279.2	2053.8	1231.3	-67.0	1164.3
		-21.50	796.5	1366.2	2162.8	1296.6	-67.0	1229.7
		-22.00	802.9	1453.2	2256.2	1352.6	-67.0	1285.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
18	-4.40	-22.50	1143.5	1540.2	2683.7	1608.9	-67.0	1542.0
19	-4.20	-12.50	524.7	174.1	698.7	418.9	-72.8	346.1
		-13.00	537.8	258.3	796.1	477.3	-72.8	404.5
		-13.50	560.9	333.1	893.9	535.9	-72.8	463.2
		-14.00	554.4	397.7	952.1	570.8	-72.8	498.0
		-14.50	532.9	467.3	1000.2	599.7	-72.8	526.9
		-15.00	525.6	530.4	1056.0	633.1	-72.8	560.3
		-15.50	545.0	592.9	1137.9	682.2	-72.8	609.4
		-16.00	491.6	657.9	1149.5	689.2	-72.8	616.4
		-16.50	482.0	719.9	1201.9	720.5	-72.8	647.8
		-17.00	475.3	775.6	1250.9	749.9	-72.8	677.1
		-17.50	967.5	835.2	1802.6	1080.7	-72.8	1007.9
		-18.00	1039.1	922.2	1961.3	1175.8	-72.8	1103.1
		-18.50	863.4	1009.2	1872.5	1122.6	-72.8	1049.8
		-19.00	745.0	1096.2	1841.1	1103.8	-72.8	1031.0
		-19.50	615.5	1181.0	1796.4	1077.0	-72.8	1004.2
		-20.00	728.3	1248.2	1976.5	1185.0	-72.8	1112.2
		-20.50	646.7	1317.8	1964.5	1177.8	-72.8	1105.0
		-21.00	878.2	1395.3	2273.5	1363.0	-72.8	1290.2
		-21.50	884.5	1482.3	2366.8	1418.9	-72.8	1346.1
		-22.00	1133.8	1569.3	2703.1	1620.6	-72.8	1547.8
		-22.50	1210.7	1656.3	2867.0	1718.8	-72.8	1646.1

**SAMENVATTINGSTABEL 320p (n=1)****Uitgangspunten**

- paal : 320p
- paaltype : Geheide paal (beton)
- schachtafmeting : 320 x 320
Paalklassefactor α_p : 0.70
Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezwijkdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{hk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	722.6	155.5	878.1	526.4	-80.9	445.5
		-13.00	658.1	251.5	909.6	545.3	-80.9	464.4
		-13.50	688.7	347.5	1036.2	621.2	-80.9	540.3
		-14.00	702.8	443.5	1146.3	687.2	-80.9	606.3
		-14.50	571.3	516.3	1087.6	652.1	-80.9	571.1
		-15.00	534.1	590.4	1124.6	674.2	-80.9	593.3
		-15.50	500.2	667.2	1167.4	699.9	-80.9	618.9
		-16.00	487.1	718.5	1205.6	722.8	-80.9	641.8
		-16.50	600.7	764.6	1365.3	818.5	-80.9	737.6
		-17.00	686.1	830.8	1516.9	909.4	-80.9	828.5
		-17.50	768.2	912.8	1681.0	1007.8	-80.9	926.9
		-18.00	726.5	1008.8	1735.3	1040.4	-80.9	959.4
		-18.50	644.5	1104.8	1749.3	1048.8	-80.9	967.8
		-19.00	666.0	1172.1	1838.1	1102.0	-80.9	1021.1
		-19.50	648.8	1243.8	1892.6	1134.6	-80.9	1053.7
		-20.00	788.5	1309.5	2098.1	1257.8	-80.9	1176.9
		-20.50	761.6	1386.3	2148.0	1287.7	-80.9	1206.8
		-21.00	1162.8	1470.4	2633.2	1578.6	-80.9	1497.7
		-21.50	1203.8	1566.4	2770.2	1660.8	-80.9	1579.8
		-22.00	1381.1	1662.4	3043.5	1824.6	-80.9	1743.7
		-22.50	1507.4	1758.4	3265.8	1957.9	-80.9	1876.9
2	-4.31	-12.50	614.9	131.8	746.7	447.7	-81.6	366.1
		-13.00	568.7	218.4	787.1	471.9	-81.6	390.3
		-13.50	541.0	305.2	846.2	507.3	-81.6	425.8
		-14.00	557.7	385.8	943.5	565.7	-81.6	484.1
		-14.50	581.0	447.8	1028.8	616.8	-81.6	535.2
		-15.00	597.4	502.6	1100.0	659.5	-81.6	577.9
		-15.50	594.7	567.0	1161.7	696.5	-81.6	614.9
		-16.00	584.7	631.9	1216.6	729.4	-81.6	647.8
		-16.50	567.8	699.9	1267.6	760.0	-81.6	678.4
		-17.00	564.9	754.1	1319.0	790.8	-81.6	709.2
		-17.50	688.9	808.8	1497.7	897.9	-81.6	816.4
		-18.00	658.3	885.3	1543.6	925.4	-81.6	843.9
		-18.50	745.7	955.2	1700.9	1019.7	-81.6	938.2
		-19.00	758.7	1032.0	1790.7	1073.5	-81.6	992.0
		-19.50	768.3	1105.3	1873.7	1123.3	-81.6	1041.7
		-20.00	754.3	1182.1	1936.4	1160.9	-81.6	1079.4
		-20.50	757.3	1255.7	2013.1	1206.9	-81.6	1125.3
		-21.00	1196.2	1333.6	2529.8	1516.7	-81.6	1435.1
		-21.50	1316.2	1429.6	2745.8	1646.1	-81.6	1564.6
		-22.00	1332.0	1525.6	2857.6	1713.2	-81.6	1631.6
		-22.50	1374.0	1621.6	2995.6	1795.9	-81.6	1714.3
3	-4.03	-12.50	729.4	158.7	888.1	532.4	-93.3	439.1
		-13.00	678.8	254.7	933.4	559.6	-93.3	466.3
		-13.50	575.4	350.7	926.0	555.2	-93.3	461.9
		-14.00	569.7	441.3	1010.9	606.1	-93.3	512.8
		-14.50	568.1	515.4	1083.4	649.5	-93.3	556.2
		-15.00	563.5	572.6	1136.1	681.1	-93.3	587.8
		-15.50	559.0	625.7	1184.6	710.2	-93.3	616.9
		-16.00	564.0	676.7	1240.7	743.8	-93.3	650.5
		-16.50	544.4	737.0	1281.5	768.3	-93.3	675.0
		-17.00	588.8	787.1	1375.9	824.9	-93.3	731.6
		-17.50	791.2	851.6	1642.7	984.8	-93.3	891.5
		-18.00	678.1	940.7	1618.8	970.5	-93.3	877.2
		-18.50	577.7	1032.2	1609.9	965.2	-93.3	871.9
		-19.00	478.7	1118.6	1597.3	957.6	-93.3	864.3
		-19.50	474.9	1175.2	1650.0	989.2	-93.3	895.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	442.2	1234.2	1676.4	1005.0	-93.3	911.7
		-20.50	748.5	1277.2	2025.7	1214.5	-93.3	1121.2
		-21.00	1107.5	1369.9	2477.5	1485.3	-93.3	1392.0
		-21.50	1156.7	1465.9	2622.6	1572.3	-93.3	1479.0
		-22.00	1200.2	1561.9	2762.1	1656.0	-93.3	1562.6
		-22.50	1246.0	1657.9	2903.9	1741.0	-93.3	1647.6
4	-4.21	-12.50	658.2	146.9	805.1	482.7	-82.0	400.7
		-13.00	704.5	233.2	937.7	562.2	-82.0	480.2
		-13.50	768.9	319.5	1088.5	652.6	-82.0	570.6
		-14.00	874.8	402.8	1277.6	766.0	-82.0	684.0
		-14.50	903.7	487.3	1391.0	833.9	-82.0	751.9
		-15.00	923.8	571.8	1495.6	896.6	-82.0	814.6
		-15.50	906.7	656.3	1562.9	937.0	-82.0	855.0
		-16.00	955.6	745.3	1700.9	1019.7	-82.0	937.8
		-16.50	847.0	841.3	1688.3	1012.2	-82.0	930.2
		-17.00	696.2	928.9	1625.1	974.3	-82.0	892.3
		-17.50	639.1	1004.5	1643.6	985.4	-82.0	903.4
		-18.00	549.6	1083.7	1633.3	979.2	-82.0	897.2
		-18.50	508.0	1147.8	1655.8	992.7	-82.0	910.7
		-19.00	671.3	1200.3	1871.6	1122.0	-82.0	1040.0
		-19.50	737.4	1274.1	2011.5	1205.9	-82.0	1123.9
		-20.00	816.4	1350.3	2166.8	1299.0	-82.0	1217.0
		-20.50	1133.2	1440.3	2573.5	1542.8	-82.0	1460.8
		-21.00	1177.6	1536.3	2713.9	1627.0	-82.0	1545.0
		-21.50	1175.9	1632.3	2808.2	1683.5	-82.0	1601.6
		-22.00	1136.4	1728.3	2864.7	1717.4	-82.0	1635.5
		-22.50	1179.2	1824.3	3003.5	1800.7	-82.0	1718.7
5	-4.10	-12.50	738.3	159.6	898.0	538.3	-88.2	450.2
		-13.00	713.8	255.6	969.4	581.2	-88.2	493.0
		-13.50	574.0	351.6	925.6	554.9	-88.2	466.8
		-14.00	561.6	447.6	1009.2	605.0	-88.2	516.9
		-14.50	531.5	534.7	1066.3	639.3	-88.2	551.1
		-15.00	527.5	587.2	1114.7	668.3	-88.2	580.2
		-15.50	641.1	640.8	1281.9	768.5	-88.2	680.3
		-16.00	633.8	717.1	1350.9	809.9	-88.2	721.7
		-16.50	591.5	790.7	1382.2	828.6	-88.2	740.5
		-17.00	651.8	851.0	1502.8	901.0	-88.2	812.8
		-17.50	598.7	925.5	1524.2	913.8	-88.2	825.6
		-18.00	565.1	1002.1	1567.2	939.6	-88.2	851.4
		-18.50	555.6	1062.1	1617.6	969.8	-88.2	881.7
		-19.00	555.6	1113.1	1668.6	1000.4	-88.2	912.2
		-19.50	571.7	1163.9	1735.6	1040.5	-88.2	952.4
		-20.00	713.3	1218.8	1932.0	1158.3	-88.2	1070.1
		-20.50	897.8	1302.0	2199.9	1318.9	-88.2	1230.7
		-21.00	1459.5	1398.0	2857.5	1713.1	-88.2	1625.0
		-21.50	1500.4	1494.0	2994.4	1795.2	-88.2	1707.1
		-22.00	1482.6	1590.0	3072.7	1842.1	-88.2	1754.0
		-22.50	1536.0	1686.0	3222.0	1931.7	-88.2	1843.5
6	-4.28	-12.50	713.3	144.0	857.3	514.0	-81.0	433.0
		-13.00	724.3	237.4	961.7	576.6	-81.0	495.6
		-13.50	559.6	330.9	890.5	533.9	-81.0	452.9
		-14.00	574.1	422.4	996.4	597.4	-81.0	516.4
		-14.50	557.3	501.5	1058.8	634.8	-81.0	553.8
		-15.00	584.6	555.6	1140.2	683.6	-81.0	602.6
		-15.50	645.0	620.6	1265.6	758.7	-81.0	677.7
		-16.00	608.9	697.4	1306.3	783.2	-81.0	702.2
		-16.50	597.4	772.7	1370.1	821.4	-81.0	740.4
		-17.00	569.7	840.4	1410.1	845.4	-81.0	764.4
		-17.50	644.1	895.4	1539.5	923.0	-81.0	842.0
		-18.00	692.7	966.1	1658.9	994.5	-81.0	913.5
		-18.50	758.0	1037.5	1795.5	1076.4	-81.0	995.4
		-19.00	839.2	1120.6	1959.8	1174.9	-81.0	1093.9
		-19.50	861.9	1208.4	2070.3	1241.2	-81.0	1160.2
		-20.00	1268.0	1293.6	2561.6	1535.8	-81.0	1454.8
		-20.50	1324.9	1389.6	2714.5	1627.4	-81.0	1546.4
		-21.00	1432.6	1485.6	2918.2	1749.5	-81.0	1668.5
		-21.50	1429.2	1581.6	3010.8	1805.1	-81.0	1724.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1468.2	1677.6	3145.8	1886.0	-81.0	1805.0
		-22.50	1441.8	1773.6	3215.5	1927.7	-81.0	1846.7
7	-4.33	-12.50	721.5	152.2	873.7	523.8	-76.5	447.3
		-13.00	791.3	244.7	1036.0	621.1	-76.5	544.7
		-13.50	791.2	337.2	1128.3	676.5	-76.5	600.0
		-14.00	713.1	428.9	1142.1	684.7	-76.5	608.3
		-14.50	704.0	522.8	1226.8	735.5	-76.5	659.0
		-15.00	670.1	608.5	1278.6	766.5	-76.5	690.1
		-15.50	591.6	671.5	1263.1	757.2	-76.5	680.8
		-16.00	570.8	741.0	1311.8	786.4	-76.5	710.0
		-16.50	459.3	816.2	1275.5	764.7	-76.5	688.2
		-17.00	471.3	861.6	1332.8	799.1	-76.5	722.6
		-17.50	435.9	919.8	1355.7	812.8	-76.5	736.3
		-18.00	481.7	973.3	1455.0	872.3	-76.5	795.9
		-18.50	459.8	1041.5	1501.3	900.1	-76.5	823.6
		-19.00	456.9	1093.3	1550.2	929.4	-76.5	852.9
		-19.50	709.7	1153.5	1863.2	1117.0	-76.5	1040.6
		-20.00	685.9	1235.1	1921.0	1151.7	-76.5	1075.2
		-20.50	631.6	1316.3	1947.9	1167.8	-76.5	1091.4
		-21.00	976.2	1384.0	2360.1	1414.9	-76.5	1338.5
		-21.50	1191.7	1478.1	2669.8	1600.6	-76.5	1524.1
		-22.00	1415.8	1574.1	2989.8	1792.5	-76.5	1716.0
8	-4.35	-12.50	621.7	144.9	766.7	459.6	-75.8	383.8
		-13.00	592.7	230.7	823.4	493.6	-75.8	417.8
		-13.50	532.4	318.0	850.4	509.8	-75.8	434.0
		-14.00	474.5	398.0	872.5	523.1	-75.8	447.3
		-14.50	442.6	460.4	903.0	541.4	-75.8	465.6
		-15.00	431.8	513.1	944.9	566.5	-75.8	490.7
		-15.50	421.4	556.9	978.2	586.5	-75.8	510.7
		-16.00	452.7	596.7	1049.3	629.1	-75.8	553.3
		-16.50	453.4	643.5	1096.8	657.6	-75.8	581.8
		-17.00	377.7	703.8	1081.5	648.4	-75.8	572.6
		-17.50	349.0	758.5	1107.5	664.0	-75.8	588.2
		-18.00	338.6	798.7	1137.3	681.8	-75.8	606.0
		-18.50	340.1	831.0	1171.1	702.1	-75.8	626.3
		-19.00	388.9	864.4	1253.3	751.4	-75.8	675.6
		-19.50	578.2	907.1	1485.3	890.4	-75.8	814.6
		-20.00	838.8	989.7	1828.5	1096.2	-75.8	1020.4
		-20.50	1074.1	1085.7	2159.8	1294.9	-75.8	1219.1
		-21.00	1300.5	1181.7	2482.2	1488.1	-75.8	1412.3
		-21.50	1407.5	1277.7	2685.2	1609.8	-75.8	1534.0
		-22.00	1427.0	1373.7	2800.7	1679.1	-75.8	1603.3
		-22.50	1536.0	1469.7	3005.7	1802.0	-75.8	1726.2
9	-4.34	-12.50	716.2	146.3	862.5	517.1	-77.8	439.3
		-13.00	702.8	240.2	943.1	565.4	-77.8	487.6
		-13.50	566.2	334.2	900.4	539.8	-77.8	462.0
		-14.00	564.8	427.4	992.2	594.9	-77.8	517.1
		-14.50	517.8	506.0	1023.8	613.8	-77.8	536.0
		-15.00	484.7	564.9	1049.7	629.3	-77.8	551.5
		-15.50	425.7	619.8	1045.4	626.8	-77.8	549.0
		-16.00	401.9	667.9	1069.8	641.4	-77.8	563.6
		-16.50	397.5	710.0	1107.6	664.0	-77.8	586.2
		-17.00	391.0	749.6	1140.6	683.8	-77.8	606.0
		-17.50	399.7	788.1	1187.8	712.1	-77.8	634.3
		-18.00	387.5	830.2	1217.8	730.1	-77.8	652.3
		-18.50	463.0	865.6	1328.6	796.5	-77.8	718.7
		-19.00	489.9	919.5	1409.4	845.0	-77.8	767.2
		-19.50	856.4	992.9	1849.3	1108.7	-77.8	1030.9
		-20.00	869.8	1088.9	1958.7	1174.3	-77.8	1096.5
		-20.50	882.2	1184.8	2067.0	1239.2	-77.8	1161.4
		-21.00	1200.4	1280.0	2480.4	1487.0	-77.8	1409.2
		-21.50	1433.2	1376.0	2809.2	1684.2	-77.8	1606.4
		-22.00	1509.4	1472.0	2981.4	1787.4	-77.8	1709.6
		-22.50	1497.5	1568.0	3065.4	1837.8	-77.8	1760.0
10	-4.05	-12.50	609.4	134.1	743.6	445.8	-93.2	352.6
		-13.00	647.2	220.8	868.0	520.4	-93.2	427.2
		-13.50	678.8	307.1	985.9	591.1	-93.2	497.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	744.4	381.6	1126.0	675.1	-93.2	581.9
		-14.50	733.7	456.6	1190.3	713.6	-93.2	620.4
		-15.00	575.8	531.4	1107.2	663.8	-93.2	570.6
		-15.50	556.8	607.9	1164.7	698.3	-93.2	605.0
		-16.00	517.9	678.3	1196.2	717.1	-93.2	623.9
		-16.50	587.5	728.6	1316.1	789.1	-93.2	695.8
		-17.00	561.8	802.0	1363.8	817.6	-93.2	724.4
		-17.50	587.4	857.1	1444.4	866.0	-93.2	772.7
		-18.00	780.6	925.9	1706.5	1023.1	-93.2	929.9
		-18.50	662.0	1008.3	1670.3	1001.4	-93.2	908.2
		-19.00	578.4	1084.9	1663.2	997.1	-93.2	903.9
		-19.50	650.3	1138.5	1788.8	1072.4	-93.2	979.2
		-20.00	718.4	1206.8	1925.2	1154.2	-93.2	1061.0
		-20.50	777.7	1282.5	2060.2	1235.1	-93.2	1141.9
		-21.00	929.5	1359.1	2288.6	1372.1	-93.2	1278.9
		-21.50	1302.1	1453.2	2755.3	1651.9	-93.2	1558.6
		-22.00	1536.0	1549.2	3085.2	1849.6	-93.2	1756.4
		-22.50	1477.1	1645.2	3122.3	1871.9	-93.2	1778.7
11	-4.07	-12.50	600.9	112.5	713.4	427.7	-89.4	338.2
		-13.00	541.9	193.6	735.5	440.9	-89.4	351.5
		-13.50	470.0	275.3	745.3	446.8	-89.4	357.4
		-14.00	479.6	351.4	830.9	498.1	-89.4	408.7
		-14.50	468.6	415.9	884.5	530.3	-89.4	440.8
		-15.00	488.0	459.1	947.1	567.8	-89.4	478.4
		-15.50	847.7	515.0	1362.7	817.0	-89.4	727.5
		-16.00	770.8	607.0	1377.8	826.0	-89.4	736.6
		-16.50	741.8	699.3	1441.2	864.0	-89.4	774.6
		-17.00	683.0	783.9	1466.9	879.4	-89.4	790.0
		-17.50	599.7	860.5	1460.2	875.4	-89.4	786.0
		-18.00	561.4	937.3	1498.7	898.5	-89.4	809.0
		-18.50	536.8	1002.8	1539.5	923.0	-89.4	833.5
		-19.00	571.5	1053.6	1625.1	974.3	-89.4	884.8
		-19.50	698.1	1111.9	1810.0	1085.1	-89.4	995.7
		-20.00	1367.0	1196.2	2563.2	1536.7	-89.4	1447.2
		-20.50	1536.0	1292.2	2828.2	1695.6	-89.4	1606.1
		-21.00	1536.0	1388.2	2924.2	1753.1	-89.4	1663.7
		-21.50	1461.4	1484.2	2945.6	1766.0	-89.4	1676.5
		-22.00	1452.2	1580.2	3032.4	1818.0	-89.4	1728.5
		-22.50	1478.3	1676.2	3154.5	1891.2	-89.4	1801.7
12	-4.04	-12.50	723.4	140.1	863.5	517.7	-90.8	427.0
		-13.00	701.2	236.0	937.2	561.9	-90.8	471.1
		-13.50	696.5	332.0	1028.5	616.6	-90.8	525.9
		-14.00	726.6	423.7	1150.3	689.6	-90.8	598.9
		-14.50	758.3	497.5	1255.8	752.9	-90.8	662.1
		-15.00	841.7	571.3	1413.0	847.1	-90.8	756.4
		-15.50	708.5	648.1	1356.6	813.3	-90.8	722.5
		-16.00	643.9	722.7	1366.6	819.3	-90.8	728.6
		-16.50	631.2	799.0	1430.2	857.4	-90.8	766.7
		-17.00	571.9	869.8	1441.6	864.3	-90.8	773.5
		-17.50	577.7	925.9	1503.6	901.4	-90.8	810.7
		-18.00	539.3	995.4	1534.7	920.1	-90.8	829.3
		-18.50	645.2	1051.0	1696.2	1016.9	-90.8	926.2
		-19.00	681.0	1121.7	1802.7	1080.8	-90.8	990.0
		-19.50	751.9	1194.8	1946.6	1167.0	-90.8	1076.3
		-20.00	795.9	1271.9	2067.8	1239.7	-90.8	1148.9
		-20.50	813.6	1352.0	2165.6	1298.3	-90.8	1207.6
		-21.00	873.3	1432.1	2305.4	1382.1	-90.8	1291.4
		-21.50	904.8	1512.3	2417.1	1449.1	-90.8	1358.3
		-22.00	1166.4	1601.9	2768.3	1659.7	-90.8	1568.9
		-22.50	1181.9	1697.9	2879.8	1726.5	-90.8	1635.7
13	-4.03	-12.50	589.8	148.5	738.3	442.6	-91.6	351.0
		-13.00	508.2	236.3	744.5	446.4	-91.6	354.8
		-13.50	518.0	323.7	841.7	504.6	-91.6	413.0
		-14.00	537.5	394.6	932.1	558.8	-91.6	467.2
		-14.50	599.9	454.6	1054.5	632.2	-91.6	540.6
		-15.00	596.3	521.0	1117.2	669.8	-91.6	578.2
		-15.50	730.9	585.7	1316.7	789.4	-91.6	697.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	751.8	662.7	1414.5	848.0	-91.6	756.4
		-16.50	741.0	739.4	1480.4	887.6	-91.6	795.9
		-17.00	754.7	813.8	1568.5	940.3	-91.6	848.7
		-17.50	742.7	890.6	1633.3	979.2	-91.6	887.6
		-18.00	739.9	964.3	1704.1	1021.7	-91.6	930.1
		-18.50	791.9	1032.2	1824.1	1093.6	-91.6	1001.9
		-19.00	902.4	1109.0	2011.4	1205.9	-91.6	1114.3
		-19.50	897.8	1193.7	2091.5	1253.9	-91.6	1162.3
		-20.00	915.3	1278.8	2194.1	1315.4	-91.6	1223.8
		-20.50	975.1	1364.6	2339.7	1402.7	-91.6	1311.1
		-21.00	986.4	1450.4	2436.8	1460.9	-91.6	1369.3
		-21.50	1188.5	1537.8	2726.3	1634.5	-91.6	1542.9
		-22.00	1536.0	1633.8	3169.8	1900.4	-91.6	1808.7
		-22.50	1536.0	1729.8	3265.8	1957.9	-91.6	1866.3
14	-4.04	-12.50	576.3	161.3	737.6	442.2	-91.2	351.1
		-13.00	597.5	257.3	854.8	512.5	-91.2	421.3
		-13.50	554.8	353.3	908.2	544.5	-91.2	453.3
		-14.00	595.9	424.5	1020.5	611.8	-91.2	520.6
		-14.50	575.8	497.4	1073.3	643.4	-91.2	552.3
		-15.00	631.6	560.1	1191.8	714.5	-91.2	623.3
		-15.50	822.2	629.0	1451.2	870.0	-91.2	778.9
		-16.00	791.6	716.1	1507.7	903.9	-91.2	812.7
		-16.50	715.1	803.2	1518.3	910.2	-91.2	819.0
		-17.00	754.6	874.7	1629.3	976.8	-91.2	885.6
		-17.50	782.4	951.0	1733.3	1039.2	-91.2	948.0
		-18.00	759.0	1026.4	1785.4	1070.4	-91.2	979.2
		-18.50	894.1	1101.4	1995.5	1196.3	-91.2	1105.1
		-19.00	329.9	1197.4	1527.3	915.7	-91.2	824.5
		-19.50	294.3	1293.4	1587.7	951.8	-91.2	860.7
		-20.00	173.4	1382.0	1555.4	932.5	-91.2	841.3
		-20.50	372.6	1433.8	1806.4	1083.0	-91.2	991.8
		-21.00	428.6	1500.0	1928.6	1156.2	-91.2	1065.1
		-21.50	429.9	1576.5	2006.4	1202.9	-91.2	1111.7
		-22.00	453.5	1638.5	2092.0	1254.2	-91.2	1163.0
		-22.50	1092.5	1709.1	2801.6	1679.6	-91.2	1588.5
15	-3.79	-12.50	689.7	221.3	911.0	546.2	-96.4	449.8
		-13.00	651.6	314.4	966.0	579.2	-96.4	482.8
		-13.50	704.9	396.2	1101.1	660.2	-96.4	563.8
		-14.00	699.9	472.1	1172.0	702.7	-96.4	606.3
		-14.50	764.3	542.9	1307.2	783.7	-96.4	687.3
		-15.00	730.8	619.4	1350.2	809.5	-96.4	713.1
		-15.50	730.6	693.8	1424.4	854.0	-96.4	757.6
		-16.00	943.8	774.4	1718.2	1030.1	-96.4	933.7
		-16.50	1042.3	870.4	1912.6	1146.7	-96.4	1050.3
		-17.00	866.0	966.4	1832.4	1098.6	-96.4	1002.2
		-17.50	745.4	1062.4	1807.7	1083.8	-96.4	987.4
		-18.00	712.0	1158.4	1870.3	1121.3	-96.4	1024.9
		-18.50	635.4	1245.5	1880.9	1127.7	-96.4	1031.3
		-19.00	704.2	1310.0	2014.2	1207.6	-96.4	1111.2
		-19.50	691.4	1386.8	2078.2	1245.9	-96.4	1149.6
		-20.00	677.5	1457.4	2134.9	1279.9	-96.4	1183.5
		-20.50	582.9	1523.2	2106.1	1262.6	-96.4	1166.2
		-21.00	567.6	1597.7	2165.3	1298.1	-96.4	1201.7
		-21.50	496.4	1665.0	2161.5	1295.8	-96.4	1199.5
		-22.00	982.1	1715.0	2697.1	1617.0	-96.4	1520.6
		-22.50	1222.9	1810.8	3033.6	1818.7	-96.4	1722.4
16	-3.91	-12.50	616.7	174.6	791.3	474.4	-90.7	383.7
		-13.00	516.3	261.5	777.7	466.3	-90.7	375.5
		-13.50	536.2	341.4	877.6	526.2	-90.7	435.4
		-14.00	560.7	413.2	973.9	583.9	-90.7	493.1
		-14.50	578.3	471.4	1049.7	629.3	-90.7	538.6
		-15.00	584.0	530.5	1114.5	668.1	-90.7	577.4
		-15.50	786.5	597.6	1384.0	829.8	-90.7	739.0
		-16.00	872.4	688.0	1560.5	935.5	-90.7	844.8
		-16.50	750.5	781.0	1531.5	918.2	-90.7	827.4
		-17.00	657.9	874.0	1531.9	918.4	-90.7	827.7
		-17.50	614.2	965.0	1579.2	946.8	-90.7	856.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	637.7	1023.5	1661.1	995.9	-90.7	905.2
		-18.50	891.4	1090.2	1981.6	1188.0	-90.7	1097.3
		-19.00	848.5	1184.7	2033.2	1219.0	-90.7	1128.2
		-19.50	863.6	1280.7	2144.3	1285.5	-90.7	1194.8
		-20.00	819.8	1375.5	2195.3	1316.1	-90.7	1225.4
		-20.50	823.5	1452.4	2275.9	1364.4	-90.7	1273.7
		-21.00	818.3	1529.0	2347.3	1407.3	-90.7	1316.5
		-21.50	1536.0	1615.4	3151.4	1889.3	-90.7	1798.6
		-22.00	1319.2	1711.4	3030.5	1816.9	-90.7	1726.1
		-22.50	789.6	1807.4	2597.0	1556.9	-90.7	1466.2
17	-4.01	-12.50	659.2	174.2	833.4	499.7	-88.4	411.3
		-13.00	650.8	267.6	918.4	550.6	-88.4	462.2
		-13.50	593.3	361.0	954.3	572.1	-88.4	483.7
		-14.00	623.6	442.7	1066.4	639.3	-88.4	550.9
		-14.50	620.9	514.1	1135.0	680.5	-88.4	592.1
		-15.00	679.5	580.7	1260.1	755.5	-88.4	667.1
		-15.50	797.7	651.1	1448.7	868.5	-88.4	780.1
		-16.00	858.7	738.6	1597.2	957.6	-88.4	869.2
		-16.50	874.7	826.6	1701.4	1020.0	-88.4	931.6
		-17.00	936.0	919.4	1855.4	1112.4	-88.4	1024.0
		-17.50	958.8	1015.4	1974.2	1183.6	-88.4	1095.2
		-18.00	964.3	1109.3	2073.6	1243.2	-88.4	1154.8
		-18.50	1102.5	1198.3	2300.8	1379.4	-88.4	1291.0
		-19.00	1024.2	1288.6	2312.8	1386.6	-88.4	1298.2
		-19.50	1089.8	1378.9	2468.7	1480.0	-88.4	1391.6
		-20.00	1055.5	1469.1	2524.7	1513.6	-88.4	1425.2
		-20.50	1056.1	1557.8	2613.9	1567.1	-88.4	1478.7
		-21.00	1379.1	1651.8	3030.9	1817.1	-88.4	1728.7
		-21.50	1536.0	1747.8	3283.8	1968.7	-88.4	1880.3
		-22.00	1536.0	1843.8	3379.8	2026.2	-88.4	1937.9
		-22.50	1536.0	1939.8	3475.8	2083.8	-88.4	1995.4
18	-4.40	-12.50	620.5	141.1	761.6	456.6	-73.9	382.7
		-13.00	571.5	233.8	805.3	482.8	-73.9	408.9
		-13.50	597.4	327.4	924.8	554.4	-73.9	480.5
		-14.00	557.8	412.4	970.2	581.6	-73.9	507.7
		-14.50	473.6	472.9	946.5	567.4	-73.9	493.5
		-15.00	444.6	542.6	987.2	591.8	-73.9	518.0
		-15.50	421.2	601.6	1022.8	613.2	-73.9	539.3
		-16.00	426.5	642.6	1069.1	640.9	-73.9	567.0
		-16.50	509.1	685.7	1194.8	716.3	-73.9	642.4
		-17.00	736.3	746.0	1482.3	888.7	-73.9	814.8
		-17.50	874.1	836.1	1710.2	1025.3	-73.9	951.4
		-18.00	776.2	932.1	1708.2	1024.1	-73.9	950.2
		-18.50	661.0	1028.1	1689.0	1012.6	-73.9	938.7
		-19.00	595.3	1113.2	1708.5	1024.3	-73.9	950.4
		-19.50	722.3	1180.8	1903.1	1141.0	-73.9	1067.1
		-20.00	662.6	1258.0	1920.6	1151.4	-73.9	1077.5
		-20.50	756.9	1329.1	2086.1	1250.6	-73.9	1176.7
		-21.00	936.3	1411.6	2347.9	1407.6	-73.9	1333.7
		-21.50	957.1	1507.6	2464.6	1477.6	-73.9	1403.7
		-22.00	969.1	1603.6	2572.7	1542.4	-73.9	1468.5
		-22.50	1387.5	1699.6	3087.0	1850.7	-73.9	1776.8
19	-4.20	-12.50	620.5	192.1	812.5	487.1	-80.3	406.8
		-13.00	632.7	285.0	917.8	550.2	-80.3	469.9
		-13.50	633.5	367.5	1001.1	600.2	-80.3	519.8
		-14.00	662.0	438.8	1100.9	660.0	-80.3	579.7
		-14.50	648.9	515.6	1164.6	698.2	-80.3	617.9
		-15.00	652.0	585.3	1237.3	741.8	-80.3	661.5
		-15.50	660.3	654.3	1314.6	788.1	-80.3	707.8
		-16.00	599.1	725.9	1325.0	794.4	-80.3	714.0
		-16.50	586.8	794.4	1381.2	828.1	-80.3	747.8
		-17.00	582.3	855.9	1438.2	862.2	-80.3	781.9
		-17.50	1176.1	921.5	2097.6	1257.6	-80.3	1177.3
		-18.00	1199.4	1017.5	2216.9	1329.1	-80.3	1248.8
		-18.50	1029.8	1113.5	2143.3	1285.0	-80.3	1204.6
		-19.00	901.2	1209.5	2110.8	1265.4	-80.3	1185.1
		-19.50	741.6	1303.1	2044.7	1225.8	-80.3	1145.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
19	-4.20	-20.00	883.2	1377.3	2260.5	1355.2	-80.3	1274.9
		-20.50	794.7	1454.1	2248.8	1348.2	-80.3	1267.9
		-21.00	1066.8	1539.6	2606.4	1562.6	-80.3	1482.3
		-21.50	1071.0	1635.6	2706.6	1622.7	-80.3	1542.4
		-22.00	1381.3	1731.6	3112.9	1866.3	-80.3	1786.0
		-22.50	1312.1	1827.6	3139.7	1882.3	-80.3	1802.0

SAMENVATTINGSTABEL 350p (n=1)

Uitgangspunten

- paal : 350p
 - paaltype : Geheide paal (beton)
 - schachtafmeting : 350 x 350
 Paalklassefactor α_p : 0.70
 Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor $\xi_{3(n=1)}$: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	812.6	170.1	982.7	589.1	-88.5	500.6
		-13.00	759.3	275.1	1034.3	620.1	-88.5	531.6
		-13.50	799.3	380.1	1179.4	707.0	-88.5	618.5
		-14.00	810.5	485.1	1295.6	776.7	-88.5	688.2
		-14.50	662.8	564.7	1227.6	736.0	-88.5	647.4
		-15.00	641.2	645.8	1287.0	771.6	-88.5	683.0
		-15.50	598.4	729.7	1328.1	796.2	-88.5	707.7
		-16.00	583.0	785.8	1368.8	820.6	-88.5	732.1
		-16.50	721.4	836.3	1557.7	933.9	-88.5	845.3
		-17.00	822.5	908.7	1731.2	1037.9	-88.5	949.3
		-17.50	899.8	998.4	1898.2	1138.0	-88.5	1049.5
		-18.00	849.2	1103.4	1952.6	1170.7	-88.5	1082.1
		-18.50	765.5	1208.4	1973.9	1183.4	-88.5	1094.9
		-19.00	790.0	1282.0	2072.0	1242.2	-88.5	1153.7
		-19.50	773.8	1360.4	2134.2	1279.5	-88.5	1191.0
		-20.00	942.7	1432.3	2375.0	1423.8	-88.5	1335.3
		-20.50	912.1	1516.3	2428.4	1455.9	-88.5	1367.4
		-21.00	1385.1	1608.2	2993.3	1794.5	-88.5	1706.0
		-21.50	1427.7	1713.2	3140.9	1883.1	-88.5	1794.5
		-22.00	1631.1	1818.2	3449.3	2067.9	-88.5	1979.4
		-22.50	1791.5	1923.2	3714.7	2227.0	-88.5	2138.5
2	-4.31	-12.50	674.4	144.2	818.6	490.7	-89.2	401.5
		-13.00	650.6	238.8	889.4	533.2	-89.2	444.0
		-13.50	622.1	333.8	955.9	573.1	-89.2	483.9
		-14.00	644.0	422.0	1066.0	639.1	-89.2	549.9
		-14.50	681.7	489.7	1171.4	702.3	-89.2	613.1
		-15.00	724.6	549.7	1274.4	764.0	-89.2	674.8
		-15.50	706.6	620.2	1326.7	795.4	-89.2	706.2
		-16.00	699.4	691.2	1390.6	833.7	-89.2	744.5
		-16.50	679.2	765.5	1444.7	866.1	-89.2	776.9
		-17.00	677.3	824.8	1502.1	900.6	-89.2	811.4
		-17.50	823.7	884.6	1708.3	1024.2	-89.2	935.0
		-18.00	786.2	968.3	1754.5	1051.9	-89.2	962.7
		-18.50	889.8	1044.7	1934.5	1159.7	-89.2	1070.5
		-19.00	903.6	1128.7	2032.3	1218.4	-89.2	1129.2
		-19.50	913.7	1209.0	2122.6	1272.6	-89.2	1183.4
		-20.00	907.9	1292.9	2200.8	1319.4	-89.2	1230.2
		-20.50	902.7	1373.5	2276.2	1364.6	-89.2	1275.4
		-21.00	1440.5	1458.6	2899.1	1738.1	-89.2	1648.9
		-21.50	1557.4	1563.6	3120.9	1871.1	-89.2	1781.9
		-22.00	1580.1	1668.6	3248.7	1947.6	-89.2	1858.4
		-22.50	1624.2	1773.6	3397.8	2037.0	-89.2	1947.8
3	-4.03	-12.50	837.2	173.5	1010.8	606.0	-102.1	503.9
		-13.00	754.9	278.5	1033.5	619.6	-102.1	517.5
		-13.50	659.9	383.5	1043.4	625.6	-102.1	523.5
		-14.00	655.1	482.6	1137.7	682.1	-102.1	580.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-14.50	668.9	563.7	1232.6	739.0	-102.1	636.9
		-15.00	669.2	626.3	1295.5	776.7	-102.1	674.6
		-15.50	668.7	684.3	1353.0	811.1	-102.1	709.1
		-16.00	674.7	740.2	1414.9	848.3	-102.1	746.2
		-16.50	651.9	806.1	1458.0	874.1	-102.1	772.1
		-17.00	709.4	860.9	1570.3	941.4	-102.1	839.4
		-17.50	907.8	931.4	1839.2	1102.7	-102.1	1000.6
		-18.00	806.2	1028.9	1835.1	1100.2	-102.1	998.1
		-18.50	651.8	1129.0	1780.8	1067.6	-102.1	965.6
		-19.00	573.0	1223.5	1796.4	1077.0	-102.1	975.0
		-19.50	568.1	1285.3	1853.4	1111.2	-102.1	1009.1
		-20.00	528.9	1349.9	1878.8	1126.4	-102.1	1024.3
		-20.50	895.1	1397.0	2292.1	1374.1	-102.1	1272.1
		-21.00	1298.3	1498.4	2796.7	1676.7	-102.1	1574.6
		-21.50	1369.1	1603.4	2972.5	1782.1	-102.1	1680.0
		-22.00	1413.0	1708.4	3121.4	1871.3	-102.1	1769.3
		-22.50	1476.0	1813.4	3289.4	1972.1	-102.1	1870.0
4	-4.21	-12.50	776.1	160.6	936.7	561.6	-89.7	471.9
		-13.00	820.7	255.1	1075.8	645.0	-89.7	555.3
		-13.50	891.7	349.5	1241.2	744.1	-89.7	654.4
		-14.00	990.8	440.6	1431.4	858.2	-89.7	768.5
		-14.50	1058.9	533.0	1591.9	954.4	-89.7	864.7
		-15.00	1095.9	625.4	1721.3	1031.9	-89.7	942.3
		-15.50	1092.4	717.8	1810.2	1085.3	-89.7	995.6
		-16.00	1149.2	815.2	1964.4	1177.7	-89.7	1088.0
		-16.50	1013.3	920.2	1933.4	1159.1	-89.7	1069.4
		-17.00	791.9	1016.0	1807.9	1083.9	-89.7	994.2
		-17.50	768.7	1098.7	1867.4	1119.5	-89.7	1029.8
		-18.00	657.5	1185.3	1842.7	1104.8	-89.7	1015.1
		-18.50	609.0	1255.4	1864.4	1117.8	-89.7	1028.1
		-19.00	802.4	1312.8	2115.2	1268.1	-89.7	1178.5
		-19.50	879.6	1393.5	2273.1	1362.8	-89.7	1273.1
		-20.00	1007.7	1476.9	2484.6	1489.6	-89.7	1399.9
		-20.50	1350.2	1575.3	2925.6	1753.9	-89.7	1664.2
		-21.00	1374.2	1680.3	3054.6	1831.3	-89.7	1741.6
		-21.50	1389.6	1785.3	3174.9	1903.4	-89.7	1813.7
		-22.00	1342.6	1890.3	3233.0	1938.2	-89.7	1848.5
		-22.50	1404.9	1995.3	3400.2	2038.5	-89.7	1948.8
5	-4.10	-12.50	867.4	174.6	1042.0	624.7	-96.4	528.3
		-13.00	742.0	279.6	1021.6	612.5	-96.4	516.0
		-13.50	654.2	384.6	1038.8	622.8	-96.4	526.4
		-14.00	649.7	489.6	1139.2	683.0	-96.4	586.6
		-14.50	633.2	584.9	1218.1	730.3	-96.4	633.8
		-15.00	631.0	642.3	1273.3	763.4	-96.4	667.0
		-15.50	766.6	700.8	1467.4	879.8	-96.4	783.3
		-16.00	757.1	784.3	1541.4	924.1	-96.4	827.7
		-16.50	705.8	864.8	1570.7	941.6	-96.4	845.2
		-17.00	762.4	930.8	1693.1	1015.1	-96.4	918.7
		-17.50	707.1	1012.3	1719.3	1030.8	-96.4	934.4
		-18.00	674.7	1096.1	1770.8	1061.6	-96.4	965.2
		-18.50	664.6	1161.6	1826.3	1094.9	-96.4	998.5
		-19.00	665.0	1217.4	1882.5	1128.6	-96.4	1032.2
		-19.50	684.0	1273.0	1957.0	1173.3	-96.4	1076.8
		-20.00	853.7	1333.0	2186.7	1311.0	-96.4	1214.6
		-20.50	1088.7	1424.1	2512.8	1506.5	-96.4	1410.1
		-21.00	1733.3	1529.1	3262.4	1955.9	-96.4	1859.4
		-21.50	1713.5	1634.1	3347.6	2007.0	-96.4	1910.6
		-22.00	1743.3	1739.1	3482.4	2087.8	-96.4	1991.4
		-22.50	1819.8	1844.1	3663.9	2196.6	-96.4	2100.2
6	-4.28	-12.50	793.2	157.5	950.6	569.9	-88.6	481.3
		-13.00	745.5	259.7	1005.2	602.6	-88.6	514.0
		-13.50	642.8	361.9	1004.7	602.4	-88.6	513.8
		-14.00	664.6	462.0	1126.6	675.4	-88.6	586.8
		-14.50	657.2	548.5	1205.7	722.8	-88.6	634.2
		-15.00	704.2	607.7	1311.9	786.5	-88.6	697.9
		-15.50	754.6	678.8	1433.4	859.3	-88.6	770.7
		-16.00	728.7	762.8	1491.5	894.2	-88.6	805.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
6	-4.28	-16.50	713.8	845.1	1558.9	934.6	-88.6	846.0
		-17.00	680.4	919.2	1599.6	959.0	-88.6	870.4
		-17.50	769.8	979.3	1749.2	1048.7	-88.6	960.1
		-18.00	826.3	1056.7	1883.1	1128.9	-88.6	1040.3
		-18.50	908.3	1134.8	2043.1	1224.9	-88.6	1136.3
		-19.00	998.1	1225.7	2223.8	1333.2	-88.6	1244.6
		-19.50	1022.8	1321.7	2344.5	1405.6	-88.6	1317.0
		-20.00	1499.1	1414.9	2914.0	1747.0	-88.6	1658.4
		-20.50	1570.8	1519.9	3090.7	1852.9	-88.6	1764.3
		-21.00	1703.6	1624.9	3328.5	1995.5	-88.6	1906.9
		-21.50	1691.4	1729.9	3421.3	2051.1	-88.6	1962.5
		-22.00	1735.0	1834.9	3569.9	2140.2	-88.6	2051.6
		-22.50	1698.1	1939.9	3638.0	2181.0	-88.6	2092.4
7	-4.33	-12.50	847.7	166.5	1014.1	608.0	-83.6	524.4
		-13.00	922.9	267.6	1190.5	713.7	-83.6	630.1
		-13.50	871.5	368.8	1240.3	743.6	-83.6	660.0
		-14.00	820.3	469.2	1289.4	773.0	-83.6	689.4
		-14.50	827.9	571.8	1399.7	839.2	-83.6	755.5
		-15.00	749.9	665.5	1415.4	848.6	-83.6	764.9
		-15.50	707.7	734.4	1442.1	864.6	-83.6	781.0
		-16.00	639.2	810.5	1449.7	869.1	-83.6	785.5
		-16.50	549.4	892.7	1442.2	864.6	-83.6	781.0
		-17.00	563.8	942.3	1506.1	902.9	-83.6	819.3
		-17.50	524.9	1006.0	1530.9	917.8	-83.6	834.2
		-18.00	576.2	1064.6	1640.7	983.7	-83.6	900.0
		-18.50	549.9	1139.1	1689.1	1012.6	-83.6	929.0
		-19.00	558.1	1195.7	1753.9	1051.5	-83.6	967.9
		-19.50	844.1	1261.6	2105.8	1262.5	-83.6	1178.8
		-20.00	816.6	1350.9	2167.4	1299.4	-83.6	1215.8
		-20.50	749.3	1439.7	2189.0	1312.4	-83.6	1228.7
		-21.00	1192.4	1513.7	2706.1	1622.4	-83.6	1538.7
		-21.50	1411.6	1616.6	3028.3	1815.5	-83.6	1731.9
		-22.00	1665.5	1721.6	3387.1	2030.6	-83.6	1947.0
8	-4.35	-12.50	703.6	158.5	862.1	516.9	-82.9	434.0
		-13.00	662.4	252.4	914.8	548.4	-82.9	465.5
		-13.50	592.2	347.8	940.0	563.6	-82.9	480.7
		-14.00	526.9	435.3	962.2	576.9	-82.9	494.0
		-14.50	525.9	503.6	1029.5	617.2	-82.9	534.3
		-15.00	516.6	561.2	1077.8	646.2	-82.9	563.3
		-15.50	505.1	609.1	1114.1	667.9	-82.9	585.0
		-16.00	544.8	652.6	1197.4	717.9	-82.9	635.0
		-16.50	516.5	703.8	1220.3	731.6	-82.9	648.7
		-17.00	437.7	769.8	1207.5	723.9	-82.9	641.0
		-17.50	417.5	829.7	1247.2	747.7	-82.9	664.8
		-18.00	405.1	873.6	1278.6	766.6	-82.9	683.7
		-18.50	408.5	908.9	1317.4	789.8	-82.9	706.9
		-19.00	466.1	945.5	1411.5	846.2	-82.9	763.3
		-19.50	701.0	992.1	1693.1	1015.0	-82.9	932.1
		-20.00	996.4	1082.5	2078.8	1246.3	-82.9	1163.4
		-20.50	1274.0	1187.5	2461.5	1475.7	-82.9	1392.8
		-21.00	1530.3	1292.5	2822.8	1692.3	-82.9	1609.4
		-21.50	1647.6	1397.5	3045.1	1825.6	-82.9	1742.7
		-22.00	1665.1	1502.5	3167.5	1899.0	-82.9	1816.1
		-22.50	1837.5	1607.5	3445.0	2065.3	-82.9	1982.4
9	-4.34	-12.50	796.3	160.0	956.3	573.3	-85.1	488.2
		-13.00	765.3	262.8	1028.0	616.3	-85.1	531.2
		-13.50	654.0	365.5	1019.5	611.2	-85.1	526.1
		-14.00	648.4	467.5	1115.8	669.0	-85.1	583.9
		-14.50	596.3	553.5	1149.8	689.3	-85.1	604.2
		-15.00	577.6	617.9	1195.5	716.7	-85.1	631.6
		-15.50	490.1	677.9	1168.0	700.2	-85.1	615.1
		-16.00	480.8	730.5	1211.3	726.2	-85.1	641.1
		-16.50	475.6	776.6	1252.2	750.7	-85.1	665.6
		-17.00	469.1	819.8	1289.0	772.8	-85.1	687.7
		-17.50	478.2	862.0	1340.1	803.4	-85.1	718.4
		-18.00	463.8	908.1	1371.9	822.5	-85.1	737.4
		-18.50	550.8	946.8	1497.6	897.8	-85.1	812.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
9	-4.34	-19.00	610.2	1005.7	1615.9	968.8	-85.1	883.7
		-19.50	1019.8	1086.0	2105.8	1262.5	-85.1	1177.4
		-20.00	1030.1	1191.0	2221.1	1331.6	-85.1	1246.5
		-20.50	1043.0	1295.9	2338.9	1402.2	-85.1	1317.1
		-21.00	1418.0	1400.0	2817.9	1689.4	-85.1	1604.3
		-21.50	1683.1	1505.0	3188.1	1911.3	-85.1	1826.2
		-22.00	1767.8	1610.0	3377.7	2025.0	-85.1	1939.9
		-22.50	1775.9	1715.0	3490.9	2092.8	-85.1	2007.7
10	-4.05	-12.50	708.8	146.7	855.5	512.9	-102.0	411.0
		-13.00	754.4	241.5	995.9	597.1	-102.0	495.1
		-13.50	787.0	335.9	1122.9	673.2	-102.0	571.2
		-14.00	860.8	417.4	1278.2	766.3	-102.0	664.4
		-14.50	765.1	499.4	1264.5	758.1	-102.0	656.1
		-15.00	690.4	581.2	1271.7	762.4	-102.0	660.4
		-15.50	666.1	664.9	1331.0	798.0	-102.0	696.0
		-16.00	619.5	741.9	1361.4	816.2	-102.0	714.2
		-16.50	702.7	796.9	1499.6	899.0	-102.0	797.1
		-17.00	671.3	877.1	1548.4	928.3	-102.0	826.4
		-17.50	711.2	937.4	1648.6	988.4	-102.0	886.4
		-18.00	912.3	1012.7	1924.9	1154.0	-102.0	1052.1
		-18.50	795.1	1102.8	1897.9	1137.8	-102.0	1035.8
		-19.00	688.9	1186.6	1875.4	1124.4	-102.0	1022.4
		-19.50	777.6	1245.2	2022.8	1212.7	-102.0	1110.8
		-20.00	858.1	1320.0	2178.0	1305.8	-102.0	1203.8
		-20.50	926.6	1402.7	2329.4	1396.5	-102.0	1294.5
		-21.00	1125.2	1486.6	2611.7	1565.8	-102.0	1463.8
		-21.50	1543.5	1589.5	3133.0	1878.3	-102.0	1776.3
		-22.00	1771.0	1694.5	3465.5	2077.6	-102.0	1975.7
		-22.50	1748.8	1799.5	3548.3	2127.3	-102.0	2025.3
11	-4.07	-12.50	707.4	123.0	830.4	497.9	-97.8	400.0
		-13.00	595.8	211.8	807.6	484.2	-97.8	386.3
		-13.50	540.5	301.1	841.6	504.6	-97.8	406.7
		-14.00	554.8	384.3	939.1	563.0	-97.8	465.2
		-14.50	555.7	454.9	1010.6	605.9	-97.8	508.1
		-15.00	587.2	502.2	1089.4	653.1	-97.8	555.3
		-15.50	1012.7	563.3	1575.9	944.8	-97.8	847.0
		-16.00	915.2	664.0	1579.1	946.7	-97.8	848.9
		-16.50	881.1	764.9	1646.0	986.8	-97.8	889.0
		-17.00	767.7	857.4	1625.1	974.3	-97.8	876.5
		-17.50	715.4	941.2	1656.6	993.2	-97.8	895.3
		-18.00	668.9	1025.2	1694.0	1015.6	-97.8	917.8
		-18.50	642.1	1096.8	1738.9	1042.5	-97.8	944.7
		-19.00	683.7	1152.3	1836.0	1100.7	-97.8	1002.9
		-19.50	840.5	1216.2	2056.6	1233.0	-97.8	1135.2
		-20.00	1655.4	1308.3	2963.7	1776.8	-97.8	1679.0
		-20.50	1832.4	1413.3	3245.7	1945.9	-97.8	1848.0
		-21.00	1819.9	1518.3	3338.3	2001.4	-97.8	1903.5
		-21.50	1662.4	1623.3	3285.7	1969.8	-97.8	1872.0
		-22.00	1701.0	1728.3	3429.3	2055.9	-97.8	1958.1
		-22.50	1728.3	1833.3	3561.6	2135.3	-97.8	2037.4
12	-4.04	-12.50	799.0	153.2	952.3	570.9	-99.3	471.7
		-13.00	800.6	258.2	1058.8	634.8	-99.3	535.5
		-13.50	809.1	363.2	1172.2	702.8	-99.3	603.5
		-14.00	840.0	463.4	1303.5	781.5	-99.3	682.2
		-14.50	899.4	544.1	1443.5	865.4	-99.3	766.2
		-15.00	1001.7	624.8	1626.5	975.1	-99.3	875.9
		-15.50	806.3	708.8	1515.1	908.4	-99.3	809.1
		-16.00	772.2	790.4	1562.7	936.9	-99.3	837.6
		-16.50	729.6	873.9	1603.6	961.4	-99.3	862.1
		-17.00	684.1	951.3	1635.4	980.5	-99.3	881.2
		-17.50	691.1	1012.7	1703.8	1021.5	-99.3	922.2
		-18.00	645.3	1088.7	1734.0	1039.6	-99.3	940.3
		-18.50	771.4	1149.6	1921.0	1151.7	-99.3	1052.4
		-19.00	827.1	1226.9	2054.0	1231.4	-99.3	1132.1
		-19.50	917.1	1306.8	2223.8	1333.2	-99.3	1234.0
		-20.00	945.8	1391.1	2336.9	1401.0	-99.3	1301.8
		-20.50	963.7	1478.8	2442.5	1464.3	-99.3	1365.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12	-4.04	-21.00	1031.9	1566.4	2598.3	1557.7	-99.3	1458.5
		-21.50	1092.3	1654.0	2746.4	1646.5	-99.3	1547.2
		-22.00	1375.5	1752.1	3127.6	1875.1	-99.3	1775.8
		-22.50	1401.8	1857.1	3258.9	1953.8	-99.3	1854.5
13	-4.03	-12.50	675.9	162.4	838.4	502.6	-100.2	402.4
		-13.00	593.4	258.4	851.8	510.7	-100.2	410.5
		-13.50	601.5	354.1	955.5	572.9	-100.2	472.7
		-14.00	622.1	431.6	1053.7	631.7	-100.2	531.5
		-14.50	712.7	497.2	1210.0	725.4	-100.2	625.2
		-15.00	714.6	569.8	1284.4	770.0	-100.2	669.8
		-15.50	871.3	640.6	1512.0	906.5	-100.2	806.3
		-16.00	893.9	724.8	1618.8	970.5	-100.2	870.3
		-16.50	877.9	808.7	1686.6	1011.2	-100.2	911.0
		-17.00	891.8	890.0	1781.9	1068.3	-100.2	968.1
		-17.50	883.5	974.0	1857.6	1113.6	-100.2	1013.4
		-18.00	880.9	1054.7	1935.6	1160.4	-100.2	1060.2
		-18.50	949.8	1128.9	2078.7	1246.2	-100.2	1146.0
		-19.00	1078.1	1213.0	2291.1	1373.6	-100.2	1273.4
		-19.50	1070.7	1305.6	2376.3	1424.6	-100.2	1324.4
		-20.00	1095.0	1398.7	2493.7	1495.0	-100.2	1394.8
		-20.50	1158.8	1492.5	2651.3	1589.5	-100.2	1489.3
		-21.00	1169.9	1586.3	2756.2	1652.4	-100.2	1552.2
		-21.50	1422.9	1682.0	3104.9	1861.4	-100.2	1761.2
		-22.00	1837.5	1787.0	3624.5	2172.9	-100.2	2072.7
		-22.50	1837.5	1892.0	3729.5	2235.9	-100.2	2135.7
14	-4.04	-12.50	664.0	176.5	840.5	503.9	-99.7	404.2
		-13.00	650.5	281.5	931.9	558.7	-99.7	459.0
		-13.50	643.7	386.5	1030.2	617.6	-99.7	517.9
		-14.00	689.4	464.3	1153.7	691.7	-99.7	592.0
		-14.50	686.5	544.1	1230.6	737.8	-99.7	638.0
		-15.00	755.3	612.7	1367.9	820.1	-99.7	720.4
		-15.50	982.3	688.0	1670.3	1001.4	-99.7	901.6
		-16.00	933.5	783.2	1716.7	1029.2	-99.7	929.5
		-16.50	850.9	878.5	1729.4	1036.8	-99.7	937.1
		-17.00	898.0	956.7	1854.7	1111.9	-99.7	1012.2
		-17.50	930.9	1040.1	1971.0	1181.6	-99.7	1081.9
		-18.00	905.0	1122.6	2027.6	1215.6	-99.7	1115.9
		-18.50	952.2	1204.7	2156.9	1293.1	-99.7	1193.4
		-19.00	394.2	1309.7	1703.8	1021.5	-99.7	921.8
		-19.50	352.0	1414.7	1766.7	1059.2	-99.7	959.4
		-20.00	207.5	1511.5	1719.0	1030.6	-99.7	930.9
		-20.50	453.2	1568.2	2021.4	1211.9	-99.7	1112.2
		-21.00	507.2	1640.6	2147.8	1287.7	-99.7	1187.9
		-21.50	504.8	1724.3	2229.1	1336.4	-99.7	1236.7
		-22.00	538.0	1792.1	2330.1	1397.0	-99.7	1297.2
		-22.50	1286.0	1869.3	3155.3	1891.7	-99.7	1791.9
15	-3.79	-12.50	735.6	242.0	977.6	586.1	-105.4	480.7
		-13.00	756.5	343.9	1100.4	659.7	-105.4	554.3
		-13.50	816.8	433.4	1250.2	749.5	-105.4	644.1
		-14.00	822.9	516.3	1339.3	802.9	-105.4	697.5
		-14.50	914.2	593.8	1508.0	904.1	-105.4	798.7
		-15.00	873.9	677.4	1551.3	930.0	-105.4	824.6
		-15.50	881.8	758.8	1640.7	983.6	-105.4	878.2
		-16.00	1126.5	847.0	1973.5	1183.2	-105.4	1077.7
		-16.50	1240.7	952.0	2192.7	1314.6	-105.4	1209.2
		-17.00	928.9	1057.0	1985.9	1190.6	-105.4	1085.2
		-17.50	893.8	1162.0	2055.8	1232.5	-105.4	1127.1
		-18.00	851.7	1267.0	2118.7	1270.2	-105.4	1164.8
		-18.50	765.5	1362.3	2127.8	1275.6	-105.4	1170.2
		-19.00	836.6	1432.8	2269.4	1360.6	-105.4	1255.2
		-19.50	826.9	1516.8	2343.7	1405.1	-105.4	1299.7
		-20.00	780.5	1594.0	2374.6	1423.6	-105.4	1318.2
		-20.50	698.1	1666.0	2364.1	1417.3	-105.4	1311.9
		-21.00	679.0	1747.4	2426.4	1454.7	-105.4	1349.3
		-21.50	593.9	1821.1	2415.0	1447.8	-105.4	1342.4
		-22.00	1199.7	1875.7	3075.5	1843.8	-105.4	1738.4
		-22.50	1453.5	1980.5	3434.0	2058.8	-105.4	1953.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuikdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
16	-3.91	-12.50	718.8	191.0	909.7	545.4	-99.2	446.2
		-13.00	597.0	286.0	883.0	529.4	-99.2	430.2
		-13.50	620.0	373.5	993.5	595.6	-99.2	496.4
		-14.00	650.2	451.9	1102.1	660.7	-99.2	561.5
		-14.50	687.5	515.6	1203.0	721.2	-99.2	622.0
		-15.00	702.2	580.2	1282.5	768.9	-99.2	669.6
		-15.50	943.5	653.6	1597.0	957.5	-99.2	858.2
		-16.00	975.7	752.5	1728.2	1036.1	-99.2	936.9
		-16.50	884.8	854.2	1739.1	1042.6	-99.2	943.4
		-17.00	784.3	955.9	1740.3	1043.3	-99.2	944.1
		-17.50	732.6	1055.5	1788.0	1072.0	-99.2	972.7
		-18.00	762.3	1119.4	1881.7	1128.1	-99.2	1028.9
		-18.50	1000.2	1192.4	2192.6	1314.5	-99.2	1215.3
		-19.00	1007.8	1295.7	2303.6	1381.0	-99.2	1281.8
		-19.50	981.3	1400.7	2382.0	1428.1	-99.2	1328.8
		-20.00	975.1	1504.5	2479.6	1486.5	-99.2	1387.3
		-20.50	977.8	1588.5	2566.4	1538.6	-99.2	1439.4
		-21.00	986.9	1672.3	2659.2	1594.2	-99.2	1495.0
		-21.50	1837.5	1766.8	3604.3	2160.8	-99.2	2061.6
		-22.00	1496.1	1871.8	3367.9	2019.1	-99.2	1919.9
		-22.50	902.5	1976.8	2879.3	1726.2	-99.2	1627.0
17	-4.01	-12.50	725.5	190.5	916.1	549.2	-96.7	452.5
		-13.00	746.5	292.7	1039.2	623.0	-96.7	526.3
		-13.50	681.6	394.8	1076.4	645.3	-96.7	548.6
		-14.00	716.9	484.3	1201.1	720.1	-96.7	623.4
		-14.50	741.9	562.3	1304.2	781.9	-96.7	685.2
		-15.00	812.5	635.1	1447.5	867.8	-96.7	771.2
		-15.50	952.8	712.1	1664.9	998.1	-96.7	901.5
		-16.00	1022.4	807.8	1830.2	1097.2	-96.7	1000.6
		-16.50	1044.7	904.1	1948.8	1168.4	-96.7	1071.7
		-17.00	1108.7	1005.6	2114.3	1267.5	-96.7	1170.9
		-17.50	1132.7	1110.6	2243.3	1344.9	-96.7	1248.2
		-18.00	1137.8	1213.3	2351.1	1409.5	-96.7	1312.8
		-18.50	1313.5	1310.6	2624.1	1573.2	-96.7	1476.5
		-19.00	1224.4	1409.4	2633.8	1579.0	-96.7	1482.3
		-19.50	1303.7	1508.2	2811.9	1685.8	-96.7	1589.1
		-20.00	1262.7	1606.9	2869.6	1720.4	-96.7	1623.7
		-20.50	1263.3	1703.8	2967.1	1778.8	-96.7	1682.2
		-21.00	1701.1	1806.7	3507.8	2103.0	-96.7	2006.3
		-21.50	1837.5	1911.6	3749.1	2247.7	-96.7	2151.0
		-22.00	1837.5	2016.6	3854.1	2310.6	-96.7	2214.0
		-22.50	1837.5	2121.6	3959.1	2373.6	-96.7	2276.9
18	-4.40	-12.50	660.0	154.3	814.3	488.2	-80.8	407.4
		-13.00	664.7	255.7	920.4	551.8	-80.8	471.0
		-13.50	694.1	358.1	1052.2	630.8	-80.8	550.0
		-14.00	608.9	451.0	1059.9	635.4	-80.8	554.6
		-14.50	550.1	517.3	1067.3	639.9	-80.8	559.1
		-15.00	531.9	593.5	1125.3	674.7	-80.8	593.8
		-15.50	503.9	658.0	1161.9	696.6	-80.8	615.8
		-16.00	512.5	702.8	1215.3	728.6	-80.8	647.8
		-16.50	612.1	750.0	1362.1	816.6	-80.8	735.8
		-17.00	896.1	815.9	1712.0	1026.4	-80.8	945.5
		-17.50	957.3	914.4	1871.8	1122.2	-80.8	1041.3
		-18.00	926.4	1019.4	1945.9	1166.6	-80.8	1085.8
		-18.50	786.7	1124.4	1911.1	1145.7	-80.8	1064.9
		-19.00	732.1	1217.6	1949.6	1168.8	-80.8	1088.0
		-19.50	863.4	1291.5	2154.9	1291.9	-80.8	1211.1
		-20.00	790.2	1375.9	2166.1	1298.6	-80.8	1217.8
		-20.50	901.5	1453.7	2355.3	1412.0	-80.8	1331.2
		-21.00	1112.4	1543.9	2656.3	1592.5	-80.8	1511.7
		-21.50	1132.2	1648.9	2781.1	1667.3	-80.8	1586.5
		-22.00	1143.9	1753.9	2897.8	1737.3	-80.8	1656.5
		-22.50	1651.0	1858.9	3509.9	2104.3	-80.8	2023.4
19	-4.20	-12.50	728.3	210.1	938.4	562.6	-87.8	474.8
		-13.00	734.9	311.8	1046.7	627.5	-87.8	539.7
		-13.50	711.4	402.0	1113.3	667.5	-87.8	579.6
		-14.00	765.6	480.0	1245.6	746.8	-87.8	658.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-14.50	774.4	564.0	1338.4	802.4	-87.8	714.5
		-15.00	796.1	640.2	1436.2	861.0	-87.8	773.2
		-15.50	729.7	715.6	1445.3	866.5	-87.8	778.6
		-16.00	716.7	794.0	1510.6	905.7	-87.8	817.8
		-16.50	702.0	868.9	1570.9	941.8	-87.8	853.9
		-17.00	700.7	936.1	1636.8	981.3	-87.8	893.5
		-17.50	1405.0	1007.9	2413.0	1446.6	-87.8	1358.8
		-18.00	1357.3	1112.9	2470.2	1480.9	-87.8	1393.1
		-18.50	1224.7	1217.9	2442.6	1464.4	-87.8	1376.6
		-19.00	1045.0	1322.9	2368.0	1419.7	-87.8	1331.8
		-19.50	880.1	1425.3	2305.3	1382.1	-87.8	1294.3
		-20.00	1047.5	1506.4	2553.9	1531.1	-87.8	1443.3
		-20.50	961.4	1590.4	2551.8	1529.9	-87.8	1442.0
		-21.00	1273.7	1684.0	2957.6	1773.2	-87.8	1685.3
		-21.50	1275.4	1789.0	3064.3	1837.1	-87.8	1749.3
		-22.00	1654.6	1894.0	3548.6	2127.4	-87.8	2039.6
		-22.50	1537.4	1999.0	3536.4	2120.1	-87.8	2032.3

**SAMENVATTINGSTABEL 380p (n=1)****Uitgangspunten**

- paal : 380p
- paaltype : Geheide paal (beton)
- schachtafmeting : 380 x 380
Paalklassefactor α_p : 0.70
Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	paalpunt niveau	Bezwijkdraagvermogen			Rekenwaarden		
				$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{hk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	-12.50	868.1	184.6	1052.8	631.2	-96.1	535.0
		-13.00	-13.00	870.8	298.6	1169.4	701.1	-96.1	605.0
		-13.50	-13.50	917.0	412.6	1329.6	797.1	-96.1	701.0
		-14.00	-14.00	791.9	526.6	1318.5	790.5	-96.1	694.4
		-14.50	-14.50	753.9	613.1	1367.0	819.6	-96.1	723.4
		-15.00	-15.00	755.8	701.1	1457.0	873.5	-96.1	777.3
		-15.50	-15.50	705.4	792.3	1497.7	897.9	-96.1	801.8
		-16.00	-16.00	687.6	853.2	1540.8	923.7	-96.1	827.6
		-16.50	-16.50	853.4	908.0	1761.4	1056.0	-96.1	959.9
		-17.00	-17.00	972.0	986.6	1958.6	1174.2	-96.1	1078.1
		-17.50	-17.50	1046.1	1084.0	2130.0	1277.0	-96.1	1180.9
		-18.00	-18.00	977.8	1198.0	2175.8	1304.4	-96.1	1208.3
		-18.50	-18.50	897.0	1312.0	2208.9	1324.3	-96.1	1228.2
		-19.00	-19.00	924.4	1391.9	2316.3	1388.7	-96.1	1292.6
		-19.50	-19.50	904.6	1477.0	2381.5	1427.8	-96.1	1331.6
		-20.00	-20.00	1110.5	1555.1	2665.6	1598.1	-96.1	1502.0
		-20.50	-20.50	1078.2	1646.3	2724.5	1633.4	-96.1	1537.2
		-21.00	-21.00	1626.8	1746.0	3372.9	2022.1	-96.1	1926.0
		-21.50	-21.50	1673.5	1860.0	3533.6	2118.4	-96.1	2022.3
		-22.00	-22.00	1901.5	1974.0	3875.6	2323.5	-96.1	2227.4
		-22.50	-22.50	2082.5	2088.0	4170.6	2500.3	-96.1	2404.2
2	-4.31	-12.50	-12.50	744.5	156.6	901.1	540.2	-96.8	443.4
		-13.00	-13.00	737.3	259.3	996.6	597.5	-96.8	500.7
		-13.50	-13.50	711.0	362.4	1073.5	643.6	-96.8	546.7
		-14.00	-14.00	736.1	458.1	1194.3	716.0	-96.8	619.2
		-14.50	-14.50	776.4	531.7	1308.2	784.3	-96.8	687.4
		-15.00	-15.00	862.5	596.9	1459.4	874.9	-96.8	778.1
		-15.50	-15.50	830.1	673.3	1503.4	901.3	-96.8	804.5
		-16.00	-16.00	824.5	750.4	1574.8	944.2	-96.8	847.3
		-16.50	-16.50	800.6	831.1	1631.7	978.3	-96.8	881.4
		-17.00	-17.00	800.4	895.5	1695.9	1016.8	-96.8	919.9
		-17.50	-17.50	970.5	960.5	1931.0	1157.7	-96.8	1060.8
		-18.00	-18.00	925.5	1051.3	1976.8	1185.1	-96.8	1088.3
		-18.50	-18.50	1046.5	1134.2	2180.7	1307.4	-96.8	1210.5
		-19.00	-19.00	1061.1	1225.4	2286.6	1370.9	-96.8	1274.0
		-19.50	-19.50	1071.6	1312.6	2384.2	1429.4	-96.8	1332.5
		-20.00	-20.00	1063.3	1403.7	2467.0	1479.0	-96.8	1382.2
		-20.50	-20.50	1057.3	1491.2	2548.5	1527.9	-96.8	1431.0
		-21.00	-21.00	1711.8	1583.6	3295.4	1975.6	-96.8	1878.8
		-21.50	-21.50	1828.5	1697.6	3526.1	2114.0	-96.8	2017.1
		-22.00	-22.00	1849.2	1811.6	3660.8	2194.7	-96.8	2097.9
		-22.50	-22.50	1895.2	1925.6	3820.8	2290.7	-96.8	2193.8
3	-4.03	-12.50	-12.50	933.3	188.4	1121.7	672.5	-110.8	561.7
		-13.00	-13.00	817.0	302.4	1119.4	671.1	-110.8	560.3
		-13.50	-13.50	736.2	416.4	1152.6	691.0	-110.8	580.2
		-14.00	-14.00	739.9	524.0	1263.9	757.7	-110.8	646.9
		-14.50	-14.50	763.8	612.0	1375.7	824.8	-110.8	714.0
		-15.00	-15.00	788.9	680.0	1468.9	880.6	-110.8	769.8
		-15.50	-15.50	788.2	743.0	1531.2	918.0	-110.8	807.2
		-16.00	-16.00	795.4	803.6	1599.0	958.6	-110.8	847.8
		-16.50	-16.50	769.2	875.2	1644.5	985.9	-110.8	875.1
		-17.00	-17.00	842.7	934.7	1777.4	1065.6	-110.8	954.8
		-17.50	-17.50	987.4	1011.2	1998.6	1198.2	-110.8	1087.4
		-18.00	-18.00	948.6	1117.1	2065.7	1238.4	-110.8	1127.6
		-18.50	-18.50	742.5	1225.8	1968.3	1180.0	-110.8	1069.2
		-19.00	-19.00	675.4	1328.3	2003.7	1201.3	-110.8	1090.5
		-19.50	-19.50	669.6	1395.5	2065.1	1238.1	-110.8	1127.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
3	-4.03	-20.00	623.6	1465.6	2089.2	1252.5	-110.8	1141.7
		-20.50	1054.8	1516.7	2571.5	1541.7	-110.8	1430.9
		-21.00	1508.9	1626.8	3135.7	1879.9	-110.8	1769.1
		-21.50	1599.5	1740.8	3340.3	2002.6	-110.8	1891.8
		-22.00	1643.0	1854.8	3497.8	2097.0	-110.8	1986.2
		-22.50	1730.1	1968.8	3698.9	2217.5	-110.8	2106.7
4	-4.21	-12.50	903.2	174.4	1077.6	646.1	-97.4	548.7
		-13.00	945.5	276.9	1222.4	732.9	-97.4	635.5
		-13.50	1021.7	379.5	1401.1	840.0	-97.4	742.6
		-14.00	1126.3	478.3	1604.6	962.0	-97.4	864.7
		-14.50	1209.2	578.7	1787.9	1071.9	-97.4	974.5
		-15.00	1275.2	679.0	1954.2	1171.6	-97.4	1074.2
		-15.50	1301.4	779.3	2080.7	1247.4	-97.4	1150.1
		-16.00	1354.6	885.0	2239.7	1342.7	-97.4	1245.4
		-16.50	1194.4	999.0	2193.4	1315.0	-97.4	1217.6
		-17.00	929.2	1103.0	2032.2	1218.4	-97.4	1121.0
		-17.50	906.1	1192.8	2099.0	1258.4	-97.4	1161.0
		-18.00	775.0	1286.9	2061.9	1236.1	-97.4	1138.8
		-18.50	719.9	1363.0	2082.9	1248.7	-97.4	1151.4
		-19.00	945.3	1425.4	2370.6	1421.2	-97.4	1323.9
		-19.50	1034.3	1513.0	2547.3	1527.2	-97.4	1429.8
		-20.00	1223.6	1603.5	2827.1	1694.9	-97.4	1597.5
		-20.50	1587.0	1710.4	3297.4	1976.9	-97.4	1879.5
		-21.00	1590.1	1824.4	3414.4	2047.0	-97.4	1949.6
		-21.50	1618.8	1938.4	3557.2	2132.6	-97.4	2035.2
		-22.00	1556.2	2052.4	3608.6	2163.4	-97.4	2066.0
		-22.50	1648.0	2166.4	3814.4	2286.8	-97.4	2189.4
5	-4.10	-12.50	1006.7	189.5	1196.2	717.2	-104.7	612.5
		-13.00	800.8	303.5	1104.3	662.1	-104.7	557.4
		-13.50	743.2	417.5	1160.7	695.9	-104.7	591.2
		-14.00	743.8	531.5	1275.3	764.6	-104.7	659.9
		-14.50	726.2	635.0	1361.2	816.0	-104.7	711.4
		-15.00	743.9	697.3	1441.2	864.0	-104.7	759.3
		-15.50	903.3	760.9	1664.2	997.7	-104.7	893.1
		-16.00	891.3	851.5	1742.8	1044.8	-104.7	940.1
		-16.50	830.6	939.0	1769.6	1060.9	-104.7	956.2
		-17.00	886.8	1010.6	1897.4	1137.5	-104.7	1032.8
		-17.50	827.7	1099.0	1926.7	1155.1	-104.7	1050.4
		-18.00	794.1	1190.0	1984.1	1189.5	-104.7	1084.8
		-18.50	782.3	1261.2	2043.5	1225.1	-104.7	1120.5
		-19.00	784.6	1321.8	2106.3	1262.8	-104.7	1158.1
		-19.50	806.4	1382.1	2188.5	1312.1	-104.7	1207.4
		-20.00	1007.4	1447.3	2454.7	1471.6	-104.7	1366.9
		-20.50	1305.2	1546.2	2851.3	1709.4	-104.7	1604.8
		-21.00	2032.2	1660.2	3692.4	2213.7	-104.7	2109.0
		-21.50	1979.3	1774.2	3753.5	2250.3	-104.7	2145.6
		-22.00	2025.1	1888.2	3913.3	2346.1	-104.7	2241.4
		-22.50	2106.9	2002.2	4109.1	2463.5	-104.7	2358.8
6	-4.28	-12.50	911.0	171.0	1082.0	648.7	-96.2	552.5
		-13.00	766.6	282.0	1048.5	628.6	-96.2	532.4
		-13.50	734.8	392.9	1127.8	676.1	-96.2	579.9
		-14.00	761.1	501.6	1262.7	757.0	-96.2	660.8
		-14.50	749.3	595.5	1344.8	806.2	-96.2	710.0
		-15.00	836.4	659.8	1496.2	897.0	-96.2	800.8
		-15.50	881.5	737.0	1618.4	970.3	-96.2	874.1
		-16.00	858.3	828.2	1686.5	1011.1	-96.2	914.9
		-16.50	840.5	917.5	1758.0	1054.0	-96.2	957.8
		-17.00	801.2	998.0	1799.1	1078.6	-96.2	982.4
		-17.50	910.1	1063.3	1973.4	1183.1	-96.2	1086.9
		-18.00	970.7	1147.3	2118.0	1269.8	-96.2	1173.6
		-18.50	1072.9	1232.1	2305.0	1381.9	-96.2	1285.7
		-19.00	1170.8	1330.7	2501.5	1499.7	-96.2	1403.5
		-19.50	1197.4	1434.9	2632.4	1578.2	-96.2	1482.0
		-20.00	1764.4	1536.2	3300.6	1978.7	-96.2	1882.6
		-20.50	1832.7	1650.2	3482.9	2088.0	-96.2	1991.8
		-21.00	1899.9	1764.2	3664.1	2196.7	-96.2	2100.5
		-21.50	1972.6	1878.2	3850.8	2308.6	-96.2	2212.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
6	-4.28	-22.00	2023.8	1992.2	4016.0	2407.7	-96.2	2311.5
		-22.50	1975.0	2106.2	4081.2	2446.8	-96.2	2350.6
7	-4.33	-12.50	983.8	180.7	1164.5	698.2	-90.8	607.4
		-13.00	1064.2	290.6	1354.7	812.2	-90.8	721.4
		-13.50	934.2	400.4	1334.6	800.1	-90.8	709.4
		-14.00	931.8	509.4	1441.2	864.0	-90.8	773.3
		-14.50	948.3	620.9	1569.1	940.7	-90.8	849.9
		-15.00	827.3	722.6	1549.9	929.2	-90.8	838.4
		-15.50	834.2	797.4	1631.6	978.2	-90.8	887.4
		-16.00	713.6	879.9	1593.5	955.4	-90.8	864.6
		-16.50	647.7	969.3	1616.9	969.4	-90.8	878.6
		-17.00	657.0	1023.1	1680.1	1007.3	-90.8	916.5
		-17.50	625.7	1092.2	1717.9	1029.9	-90.8	939.2
		-18.00	679.1	1155.8	1834.9	1100.1	-90.8	1009.3
		-18.50	648.1	1236.8	1884.8	1130.0	-90.8	1039.2
		-19.00	673.0	1298.2	1971.2	1181.8	-90.8	1091.0
		-19.50	994.7	1369.8	2364.4	1417.5	-90.8	1326.8
		-20.00	958.6	1466.6	2425.3	1454.0	-90.8	1363.2
		-20.50	876.9	1563.1	2440.1	1462.9	-90.8	1372.1
		-21.00	1432.4	1643.5	3075.9	1844.0	-90.8	1753.3
		-21.50	1652.8	1755.2	3407.9	2043.1	-90.8	1952.3
8	-4.35	-12.50	787.6	172.1	959.7	575.4	-90.0	485.4
		-13.00	754.1	274.0	1028.1	616.4	-90.0	526.4
		-13.50	655.7	377.6	1033.4	619.5	-90.0	529.5
		-14.00	587.0	472.6	1059.6	635.3	-90.0	545.2
		-14.50	604.2	546.7	1151.0	690.0	-90.0	600.0
		-15.00	608.9	609.3	1218.2	730.4	-90.0	640.4
		-15.50	597.0	661.3	1258.3	754.4	-90.0	664.4
		-16.00	645.5	708.6	1354.0	811.8	-90.0	721.8
		-16.50	579.0	764.1	1343.2	805.3	-90.0	715.3
		-17.00	513.2	835.8	1349.0	808.7	-90.0	718.7
		-17.50	492.2	900.8	1392.9	835.1	-90.0	745.1
		-18.00	477.5	948.5	1425.9	854.9	-90.0	764.9
		-18.50	483.4	986.8	1470.2	881.4	-90.0	791.4
		-19.00	550.7	1026.5	1577.2	945.6	-90.0	855.6
		-19.50	837.1	1077.1	1914.2	1147.6	-90.0	1057.6
		-20.00	1166.4	1175.3	2341.7	1403.9	-90.0	1313.9
		-20.50	1490.4	1289.3	2779.7	1666.5	-90.0	1576.5
		-21.00	1778.6	1403.3	3181.8	1907.6	-90.0	1817.6
		-21.50	1906.3	1517.3	3423.5	2052.5	-90.0	1962.5
		-22.00	1918.2	1631.3	3549.4	2128.0	-90.0	2037.9
		-22.50	2166.0	1745.3	3911.3	2344.9	-90.0	2254.9
9	-4.34	-12.50	906.3	173.7	1080.0	647.5	-92.4	555.1
		-13.00	782.9	285.3	1068.2	640.4	-92.4	548.0
		-13.50	744.3	396.8	1141.2	684.2	-92.4	591.8
		-14.00	734.9	507.5	1242.4	744.9	-92.4	652.5
		-14.50	673.0	600.9	1273.9	763.7	-92.4	671.3
		-15.00	665.1	670.9	1335.9	800.9	-92.4	708.5
		-15.50	575.7	736.0	1311.7	786.4	-92.4	694.0
		-16.00	566.8	793.1	1359.9	815.3	-92.4	722.9
		-16.50	560.6	843.2	1403.8	841.6	-92.4	749.2
		-17.00	554.7	890.1	1444.9	866.2	-92.4	773.8
		-17.50	563.6	935.9	1499.5	899.0	-92.4	806.6
		-18.00	547.0	985.9	1532.9	919.0	-92.4	826.6
		-18.50	649.2	1027.9	1677.1	1005.5	-92.4	913.1
		-19.00	747.9	1091.9	1839.8	1103.0	-92.4	1010.6
		-19.50	1197.6	1179.1	2376.6	1424.8	-92.4	1332.5
		-20.00	1204.0	1293.1	2497.0	1497.0	-92.4	1404.6
		-20.50	1219.8	1406.9	2626.7	1574.8	-92.4	1482.4
		-21.00	1655.6	1520.0	3175.5	1903.8	-92.4	1811.4
		-21.50	1950.7	1634.0	3584.6	2149.1	-92.4	2056.7
		-22.00	2046.1	1748.0	3794.0	2274.6	-92.4	2182.2
		-22.50	2061.8	1862.0	3923.7	2352.4	-92.4	2260.0
10	-4.05	-12.50	816.4	159.3	975.6	584.9	-110.7	474.2
		-13.00	869.6	262.2	1131.8	678.5	-110.7	567.8
		-13.50	901.1	364.7	1265.9	758.9	-110.7	648.2
		-14.00	986.1	453.2	1439.3	862.9	-110.7	752.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
10	-4.05	-14.50	831.2	542.2	1373.4	823.4	-110.7	712.7
		-15.00	813.7	631.1	1444.7	866.1	-110.7	755.4
		-15.50	785.2	721.9	1507.1	903.5	-110.7	792.8
		-16.00	730.3	805.5	1535.8	920.7	-110.7	810.0
		-16.50	828.1	865.2	1693.3	1015.2	-110.7	904.5
		-17.00	790.5	952.3	1742.8	1044.9	-110.7	934.2
		-17.50	849.1	1017.8	1866.9	1119.2	-110.7	1008.5
		-18.00	1061.3	1099.5	2160.8	1295.4	-110.7	1184.7
		-18.50	936.7	1197.3	2134.0	1279.4	-110.7	1168.7
		-19.00	809.0	1288.3	2097.3	1257.4	-110.7	1146.7
		-19.50	913.0	1352.0	2265.0	1357.9	-110.7	1247.2
		-20.00	1010.6	1433.1	2443.7	1465.0	-110.7	1354.3
		-20.50	1088.6	1523.0	2611.6	1565.7	-110.7	1455.0
		-21.00	1340.4	1614.0	2954.4	1771.2	-110.7	1660.5
		-21.50	1806.8	1725.7	3532.5	2117.8	-110.7	2007.1
		-22.00	1971.6	1839.7	3811.3	2285.0	-110.7	2174.3
		-22.50	2033.6	1953.7	3987.3	2390.4	-110.7	2279.7
11	-4.07	-12.50	822.5	133.6	956.0	573.2	-106.2	467.0
		-13.00	650.8	229.9	880.7	528.0	-106.2	421.8
		-13.50	616.7	326.9	943.6	565.7	-106.2	459.5
		-14.00	635.3	417.2	1052.5	631.0	-106.2	524.8
		-14.50	635.3	493.9	1129.2	677.0	-106.2	570.8
		-15.00	695.3	545.2	1240.5	743.7	-106.2	637.5
		-15.50	1133.0	611.6	1744.6	1045.9	-106.2	939.7
		-16.00	1077.7	720.9	1798.5	1078.3	-106.2	972.0
		-16.50	1032.4	830.4	1862.8	1116.8	-106.2	1010.6
		-17.00	867.6	930.9	1798.5	1078.2	-106.2	972.0
		-17.50	838.4	1021.8	1860.3	1115.3	-106.2	1009.1
		-18.00	785.0	1113.0	1898.0	1137.9	-106.2	1031.7
		-18.50	756.4	1190.8	1947.2	1167.4	-106.2	1061.2
		-19.00	805.8	1251.1	2056.9	1233.2	-106.2	1127.0
		-19.50	996.7	1320.4	2317.1	1389.2	-106.2	1283.0
		-20.00	1972.2	1420.5	3392.6	2033.9	-106.2	1927.7
		-20.50	2136.2	1534.5	3670.7	2200.6	-106.2	2094.4
		-21.00	2016.4	1648.5	3664.9	2197.2	-106.2	2091.0
		-21.50	1914.1	1762.5	3676.6	2204.2	-106.2	2098.0
12	-4.04	-12.50	928.0	166.4	1094.3	656.1	-107.8	548.3
		-13.00	914.7	280.3	1195.0	716.4	-107.8	608.7
		-13.50	927.5	394.3	1321.9	792.5	-107.8	684.7
		-14.00	960.5	503.1	1463.7	877.5	-107.8	769.7
		-14.50	1040.6	590.8	1631.4	978.1	-107.8	870.3
		-15.00	1166.9	678.4	1845.3	1106.3	-107.8	998.5
		-15.50	944.3	769.6	1713.9	1027.5	-107.8	919.8
		-16.00	911.2	858.2	1769.4	1060.8	-107.8	953.0
		-16.50	821.1	948.8	1769.9	1061.1	-107.8	953.3
		-17.00	806.4	1032.9	1839.3	1102.7	-107.8	994.9
		-17.50	814.6	1099.5	1914.1	1147.6	-107.8	1039.8
		-18.00	762.0	1182.0	1944.0	1165.4	-107.8	1057.7
		-18.50	908.9	1248.1	2157.0	1293.2	-107.8	1185.4
		-19.00	977.5	1332.1	2309.6	1384.6	-107.8	1276.9
		-19.50	1097.6	1418.8	2516.4	1508.6	-107.8	1400.9
		-20.00	1108.6	1510.4	2619.0	1570.1	-107.8	1462.3
		-20.50	1126.5	1605.5	2732.0	1637.9	-107.8	1530.1
		-21.00	1203.7	1700.7	2904.3	1741.2	-107.8	1633.4
		-21.50	1298.1	1795.8	3093.9	1854.9	-107.8	1747.1
13	-4.03	-12.50	776.2	176.3	952.5	571.1	-108.8	462.3
		-13.00	686.3	280.6	966.9	579.7	-108.8	470.9
		-13.50	689.5	384.4	1073.9	643.8	-108.8	535.0
		-14.00	712.3	468.6	1180.9	708.0	-108.8	599.2
		-14.50	819.8	539.8	1359.6	815.1	-108.8	706.3
		-15.00	845.2	618.6	1463.8	877.6	-108.8	768.8
		-15.50	1024.2	695.5	1719.7	1031.0	-108.8	922.2
		-16.00	1048.4	787.0	1835.3	1100.3	-108.8	991.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.50	1028.4	878.0	1906.4	1142.9	-108.8	1034.1
		-17.00	1043.7	966.3	2010.0	1205.0	-108.8	1096.3
		-17.50	1031.2	1057.5	2088.8	1252.3	-108.8	1143.5
		-18.00	1034.3	1145.1	2179.4	1306.6	-108.8	1197.8
		-18.50	1115.9	1225.7	2341.6	1403.9	-108.8	1295.1
		-19.00	1269.5	1317.0	2586.5	1550.7	-108.8	1441.9
		-19.50	1258.8	1417.5	2676.3	1604.5	-108.8	1495.7
		-20.00	1293.9	1518.6	2812.5	1686.2	-108.8	1577.4
		-20.50	1358.3	1620.5	2978.8	1785.8	-108.8	1677.1
		-21.00	1368.8	1722.3	3091.1	1853.2	-108.8	1744.4
		-21.50	1678.2	1826.1	3504.3	2100.9	-108.8	1992.1
		-22.00	2166.0	1940.1	4106.1	2461.7	-108.8	2352.9
		-22.50	2166.0	2054.1	4220.1	2530.1	-108.8	2421.3
14	-4.04	-12.50	774.6	191.6	966.2	579.2	-108.3	471.0
		-13.00	723.8	305.6	1029.4	617.1	-108.3	508.9
		-13.50	737.7	419.6	1157.3	693.8	-108.3	585.5
		-14.00	789.0	504.1	1293.1	775.3	-108.3	667.0
		-14.50	791.0	590.7	1381.7	828.3	-108.3	720.1
		-15.00	889.9	665.2	1555.1	932.3	-108.3	824.0
		-15.50	1156.6	747.0	1903.5	1141.2	-108.3	1032.9
		-16.00	1091.0	850.4	1941.4	1163.9	-108.3	1055.6
		-16.50	998.6	953.8	1952.4	1170.5	-108.3	1062.2
		-17.00	1053.8	1038.7	2092.5	1254.5	-108.3	1146.2
		-17.50	1091.4	1129.3	2220.7	1331.3	-108.3	1223.1
		-18.00	1061.6	1218.8	2280.4	1367.2	-108.3	1258.9
		-18.50	512.0	1307.9	1819.9	1091.1	-108.3	982.8
		-19.00	466.3	1421.9	1888.2	1132.0	-108.3	1023.7
		-19.50	415.0	1535.9	1950.9	1169.6	-108.3	1061.3
		-20.00	245.4	1641.1	1886.5	1131.0	-108.3	1022.7
		-20.50	552.3	1702.7	2254.9	1351.9	-108.3	1243.6
		-21.00	592.3	1781.2	2373.6	1423.0	-108.3	1314.7
		-21.50	585.5	1872.1	2457.7	1473.4	-108.3	1365.1
		-22.00	637.7	1945.7	2583.4	1548.8	-108.3	1440.5
		-22.50	1495.0	2029.6	3524.6	2113.1	-108.3	2004.8
15	-3.79	-12.50	835.6	262.8	1098.4	658.5	-114.4	544.1
		-13.00	868.8	373.4	1242.2	744.7	-114.4	630.3
		-13.50	935.5	470.5	1406.1	843.0	-114.4	728.5
		-14.00	953.5	560.6	1514.1	907.8	-114.4	793.3
		-14.50	1067.3	644.7	1712.0	1026.4	-114.4	911.9
		-15.00	1029.7	735.5	1765.2	1058.3	-114.4	943.8
		-15.50	1050.0	823.9	1873.9	1123.4	-114.4	1009.0
		-16.00	1325.4	919.6	2245.0	1345.9	-114.4	1231.5
		-16.50	1456.5	1033.6	2490.0	1492.8	-114.4	1378.4
		-17.00	1078.8	1147.6	2226.4	1334.8	-114.4	1220.3
		-17.50	1060.6	1261.6	2322.1	1392.2	-114.4	1277.7
		-18.00	1004.0	1375.6	2379.6	1426.6	-114.4	1312.1
		-18.50	908.1	1479.1	2387.2	1431.2	-114.4	1316.7
		-19.00	986.2	1555.6	2541.8	1523.9	-114.4	1409.4
		-19.50	974.5	1646.8	2621.3	1571.5	-114.4	1457.1
		-20.00	854.2	1730.6	2584.8	1549.7	-114.4	1435.2
		-20.50	822.9	1808.8	2631.7	1577.7	-114.4	1463.3
		-21.00	800.4	1897.2	2697.6	1617.3	-114.4	1502.8
		-21.50	700.1	1977.2	2677.3	1605.1	-114.4	1490.6
		-22.00	1443.1	2036.5	3479.6	2086.1	-114.4	1971.6
		-22.50	1704.0	2150.3	3854.3	2310.7	-114.4	2196.3
16	-3.91	-12.50	770.8	207.3	978.1	586.4	-107.8	478.7
		-13.00	689.7	310.5	1000.2	599.6	-107.8	491.9
		-13.50	709.1	405.5	1114.6	668.2	-107.8	560.5
		-14.00	743.3	490.6	1233.9	739.8	-107.8	632.0
		-14.50	798.6	559.8	1358.3	814.4	-107.8	706.6
		-15.00	833.9	630.0	1463.9	877.6	-107.8	769.9
		-15.50	1116.8	709.6	1826.4	1095.0	-107.8	987.2
		-16.00	1080.5	817.0	1897.5	1137.6	-107.8	1029.8
		-16.50	1028.5	927.5	1956.0	1172.7	-107.8	1064.9
		-17.00	921.9	1037.9	1959.8	1174.9	-107.8	1067.2
		-17.50	860.3	1145.9	2006.2	1202.8	-107.8	1095.0
		-18.00	897.4	1215.4	2112.8	1266.7	-107.8	1158.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.50	1178.3	1294.6	2472.9	1482.6	-107.8	1374.8
		-19.00	1186.0	1406.8	2592.8	1554.4	-107.8	1446.7
		-19.50	1146.2	1520.8	2667.0	1598.9	-107.8	1491.2
		-20.00	1137.7	1633.4	2771.2	1661.4	-107.8	1553.6
		-20.50	1145.4	1724.7	2870.1	1720.7	-107.8	1612.9
		-21.00	1178.9	1815.7	2994.5	1795.3	-107.8	1687.5
		-21.50	2166.0	1918.2	4084.2	2448.6	-107.8	2340.8
		-22.00	1593.3	2032.2	3625.5	2173.6	-107.8	2065.8
		-22.50	1038.4	2146.2	3184.6	1909.3	-107.8	1801.5
17	-4.01	-12.50	831.2	206.9	1038.0	622.3	-105.0	517.4
		-13.00	862.1	317.8	1179.9	707.4	-105.0	602.4
		-13.50	781.3	428.6	1209.9	725.4	-105.0	620.4
		-14.00	820.1	525.8	1345.9	806.9	-105.0	701.9
		-14.50	857.7	610.4	1468.2	880.2	-105.0	775.2
		-15.00	957.7	689.5	1647.2	987.5	-105.0	882.6
		-15.50	1121.7	773.1	1894.8	1136.0	-105.0	1031.0
		-16.00	1200.3	877.0	2077.4	1245.4	-105.0	1140.5
		-16.50	1232.2	981.6	2213.8	1327.2	-105.0	1222.3
		-17.00	1295.9	1091.8	2387.7	1431.5	-105.0	1326.5
		-17.50	1321.0	1205.8	2526.8	1514.9	-105.0	1409.9
		-18.00	1323.8	1317.3	2641.1	1583.4	-105.0	1478.4
		-18.50	1537.9	1423.0	2960.9	1775.1	-105.0	1670.1
		-19.00	1442.4	1530.2	2972.6	1782.2	-105.0	1677.2
		-19.50	1536.7	1637.4	3174.2	1903.0	-105.0	1798.0
		-20.00	1488.5	1744.6	3233.1	1938.3	-105.0	1833.3
		-20.50	1489.1	1849.8	3338.9	2001.7	-105.0	1896.8
		-21.00	2054.2	1961.6	4015.7	2407.5	-105.0	2302.6
		-21.50	2166.0	2075.5	4241.5	2542.9	-105.0	2437.9
		-22.00	2166.0	2189.5	4355.5	2611.2	-105.0	2506.2
18	-4.40	-12.50	738.2	167.6	905.8	543.1	-87.8	455.3
		-13.00	767.0	277.6	1044.5	626.2	-87.8	538.5
		-13.50	787.9	388.8	1176.7	705.4	-87.8	617.7
		-14.00	654.3	489.7	1144.0	685.9	-87.8	598.1
		-14.50	628.2	561.6	1189.8	713.3	-87.8	625.6
		-15.00	627.0	644.3	1271.3	762.2	-87.8	674.4
		-15.50	594.0	714.4	1308.4	784.4	-87.8	696.7
		-16.00	606.7	763.1	1369.8	821.2	-87.8	733.5
		-16.50	725.6	814.2	1539.8	923.2	-87.8	835.4
		-17.00	1074.6	885.9	1960.5	1175.3	-87.8	1087.6
		-17.50	1100.4	992.8	2093.2	1254.9	-87.8	1167.2
		-18.00	1088.9	1106.8	2195.7	1316.4	-87.8	1228.6
		-18.50	923.3	1220.8	2144.1	1285.4	-87.8	1197.7
		-19.00	886.4	1321.9	2208.3	1323.9	-87.8	1236.2
		-19.50	1014.5	1402.2	2416.7	1448.8	-87.8	1361.1
		-20.00	928.9	1493.9	2422.8	1452.5	-87.8	1364.8
		-20.50	1058.7	1578.3	2637.1	1581.0	-87.8	1493.2
		-21.00	1303.7	1676.2	2979.9	1786.5	-87.8	1698.8
		-21.50	1322.0	1790.2	3112.3	1865.9	-87.8	1778.1
		-22.00	1334.3	1904.2	3238.5	1941.6	-87.8	1853.8
19	-4.20	-12.50	849.8	228.1	1077.9	646.2	-95.4	550.9
		-13.00	844.3	338.5	1182.8	709.1	-95.4	613.8
		-13.50	814.6	436.4	1251.0	750.0	-95.4	654.7
		-14.00	875.1	521.1	1396.2	837.1	-95.4	741.7
		-14.50	894.7	612.3	1507.1	903.5	-95.4	808.2
		-15.00	958.9	695.0	1653.9	991.6	-95.4	896.2
		-15.50	857.4	776.9	1634.3	979.8	-95.4	884.4
		-16.00	844.8	862.0	1706.8	1023.3	-95.4	927.9
		-16.50	827.5	943.3	1770.8	1061.7	-95.4	966.3
		-17.00	830.0	1016.3	1846.4	1106.9	-95.4	1011.6
		-17.50	1654.3	1094.3	2748.6	1647.9	-95.4	1552.5
		-18.00	1489.8	1208.3	2698.2	1617.6	-95.4	1522.2
		-18.50	1456.3	1322.3	2778.6	1665.8	-95.4	1570.5
		-19.00	1206.3	1436.3	2642.7	1584.3	-95.4	1489.0
		-19.50	1031.2	1547.5	2578.6	1545.9	-95.4	1450.6
		-20.00	1225.6	1635.5	2861.1	1715.3	-95.4	1619.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
19	-4.20	-20.50	1141.9	1726.7	2868.6	1719.8	-95.4	1624.4
		-21.00	1498.9	1828.3	3327.2	1994.7	-95.4	1899.4
		-21.50	1497.5	1942.3	3439.8	2062.2	-95.4	1966.9
		-22.00	1941.1	2056.3	3997.4	2396.5	-95.4	2301.2
		-22.50	1756.2	2170.3	3926.5	2354.0	-95.4	2258.6

SAMENVATTINGSTABEL 400p (n=1)

Uitgangspunten

- paal : 400p
- paaltype : Geheide paal (beton)
- schachtafmeting : 400 x 400
- Paalklassefactor α_p : 0.70
- Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
- Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	931.0	194.3	1125.4	674.7	-101.2	573.5
		-13.00	954.3	314.3	1268.6	760.6	-101.2	659.4
		-13.50	999.7	434.3	1434.0	859.7	-101.2	758.6
		-14.00	820.0	554.3	1374.3	823.9	-101.2	722.7
		-14.50	814.9	645.4	1460.3	875.5	-101.2	774.3
		-15.00	830.1	738.1	1568.1	940.1	-101.2	838.9
		-15.50	781.6	834.0	1615.6	968.6	-101.2	867.4
		-16.00	762.2	898.1	1660.2	995.3	-101.2	894.2
		-16.50	947.6	955.7	1903.4	1141.1	-101.2	1039.9
		-17.00	1079.3	1038.5	2117.9	1269.7	-101.2	1168.5
		-17.50	1152.9	1141.0	2293.9	1375.3	-101.2	1274.1
		-18.00	1073.7	1261.0	2334.7	1399.7	-101.2	1298.5
		-18.50	990.3	1381.0	2371.4	1421.7	-101.2	1320.5
		-19.00	1014.5	1465.1	2479.7	1486.6	-101.2	1385.4
		-19.50	997.9	1554.7	2552.6	1530.3	-101.2	1429.2
		-20.00	1229.2	1636.9	2866.1	1718.3	-101.2	1617.1
		-20.50	1198.0	1732.9	2930.9	1757.2	-101.2	1656.0
		-21.00	1798.7	1837.9	3636.7	2180.3	-101.2	2079.1
		-21.50	1851.6	1957.9	3809.6	2283.9	-101.2	2182.7
		-22.00	2093.3	2077.9	4171.2	2500.7	-101.2	2399.6
		-22.50	2288.5	2197.9	4486.5	2689.7	-101.2	2588.6
2	-4.31	-12.50	793.3	164.8	958.1	574.4	-101.9	472.4
		-13.00	785.0	273.0	1058.0	634.3	-101.9	532.4
		-13.50	775.3	381.5	1156.8	693.5	-101.9	591.6
		-14.00	800.1	482.3	1282.3	768.8	-101.9	666.8
		-14.50	842.5	559.7	1402.2	840.6	-101.9	738.7
		-15.00	934.8	628.3	1563.1	937.1	-101.9	835.2
		-15.50	919.1	708.8	1627.9	975.9	-101.9	874.0
		-16.00	913.5	789.9	1703.4	1021.2	-101.9	919.3
		-16.50	887.1	874.8	1762.0	1056.3	-101.9	954.4
		-17.00	888.4	942.7	1831.1	1097.8	-101.9	995.8
		-17.50	1075.1	1011.0	2086.2	1250.7	-101.9	1148.8
		-18.00	1024.7	1106.6	2131.3	1277.7	-101.9	1175.8
		-18.50	1158.0	1193.9	2352.0	1410.0	-101.9	1308.1
		-19.00	1173.2	1289.9	2463.1	1476.7	-101.9	1374.8
		-19.50	1183.9	1381.7	2565.5	1538.1	-101.9	1436.1
		-20.00	1173.6	1477.6	2651.2	1589.5	-101.9	1487.5
		-20.50	1165.3	1569.7	2735.0	1639.7	-101.9	1537.7
		-21.00	1908.2	1667.0	3575.2	2143.4	-101.9	2041.4
		-21.50	2018.5	1787.0	3805.5	2281.5	-101.9	2179.5
		-22.00	2040.4	1907.0	3947.3	2366.5	-101.9	2264.6
		-22.50	2087.5	2027.0	4114.4	2466.7	-101.9	2364.7
3	-4.03	-12.50	999.0	198.3	1197.3	717.8	-116.6	601.2
		-13.00	858.3	318.3	1176.7	705.4	-116.6	588.8
		-13.50	799.0	438.3	1237.3	741.8	-116.6	625.1
		-14.00	799.4	551.6	1351.0	809.9	-116.6	693.3
		-14.50	829.0	644.2	1473.2	883.2	-116.6	766.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-15.00	866.7	715.7	1582.4	948.7	-116.6	832.1
		-15.50	873.4	782.1	1655.5	992.5	-116.6	875.8
		-16.00	881.3	845.9	1727.2	1035.5	-116.6	918.8
		-16.50	853.0	921.3	1774.3	1063.7	-116.6	947.1
		-17.00	938.6	983.9	1922.5	1152.6	-116.6	1036.0
		-17.50	1076.2	1064.5	2140.6	1283.4	-116.6	1166.7
		-18.00	1034.6	1175.9	2210.5	1325.2	-116.6	1208.6
		-18.50	808.2	1290.3	2098.5	1258.1	-116.6	1141.5
		-19.00	748.4	1398.2	2146.6	1286.9	-116.6	1170.3
		-19.50	742.0	1468.9	2210.9	1325.5	-116.6	1208.9
		-20.00	691.3	1542.7	2234.0	1339.3	-116.6	1222.7
		-20.50	1169.9	1596.5	2766.5	1658.6	-116.6	1541.9
		-21.00	1670.3	1712.4	3382.7	2028.0	-116.6	1911.4
		-21.50	1762.9	1832.4	3595.3	2155.5	-116.6	2038.8
		-22.00	1805.9	1952.4	3758.4	2253.2	-116.6	2136.6
		-22.50	1912.5	2072.4	3984.9	2389.0	-116.6	2272.4
4	-4.21	-12.50	988.5	183.6	1172.1	702.7	-102.5	600.2
		-13.00	1033.4	291.5	1324.9	794.3	-102.5	691.8
		-13.50	1113.0	399.4	1512.4	906.7	-102.5	804.2
		-14.00	1225.1	503.5	1728.6	1036.3	-102.5	933.8
		-14.50	1312.5	609.1	1921.6	1152.1	-102.5	1049.6
		-15.00	1396.5	714.7	2111.3	1265.7	-102.5	1163.3
		-15.50	1452.1	820.3	2272.4	1362.4	-102.5	1259.9
		-16.00	1501.0	931.6	2432.6	1458.4	-102.5	1355.9
		-16.50	1223.0	1051.6	2274.7	1363.7	-102.5	1261.2
		-17.00	1029.6	1161.1	2190.7	1313.3	-102.5	1210.9
		-17.50	1004.0	1255.6	2259.6	1354.7	-102.5	1252.2
		-18.00	858.7	1354.6	2213.3	1326.9	-102.5	1224.4
		-18.50	799.3	1434.8	2234.1	1339.4	-102.5	1236.9
		-19.00	1047.0	1500.4	2547.4	1527.2	-102.5	1424.7
		-19.50	1144.4	1592.6	2737.0	1640.9	-102.5	1538.4
		-20.00	1380.0	1687.9	3067.9	1839.3	-102.5	1736.8
		-20.50	1727.2	1800.4	3527.5	2114.8	-102.5	2012.3
		-21.00	1750.4	1920.4	3670.8	2200.7	-102.5	2098.2
		-21.50	1779.6	2040.4	3820.0	2290.1	-102.5	2187.7
		-22.00	1706.5	2160.4	3866.8	2318.3	-102.5	2215.8
		-22.50	1820.0	2280.4	4100.3	2458.2	-102.5	2355.7
5	-4.10	-12.50	1064.2	199.5	1263.7	757.6	-110.2	647.5
		-13.00	845.5	319.5	1165.0	698.5	-110.2	588.3
		-13.50	803.3	439.5	1242.8	745.1	-110.2	634.9
		-14.00	809.5	559.5	1369.0	820.8	-110.2	710.6
		-14.50	787.7	668.4	1456.1	873.0	-110.2	762.8
		-15.00	822.9	734.0	1557.0	933.4	-110.2	823.2
		-15.50	985.7	800.9	1786.7	1071.2	-110.2	961.0
		-16.00	986.8	896.3	1883.1	1129.0	-110.2	1018.8
		-16.50	919.8	988.4	1908.2	1144.0	-110.2	1033.8
		-17.00	963.3	1063.8	2027.0	1215.2	-110.2	1105.1
		-17.50	913.7	1156.9	2070.5	1241.3	-110.2	1131.1
		-18.00	879.2	1252.7	2131.9	1278.1	-110.2	1167.9
		-18.50	865.6	1327.6	2193.2	1314.9	-110.2	1204.7
		-19.00	869.8	1391.3	2261.1	1355.6	-110.2	1245.4
		-19.50	893.7	1454.9	2348.6	1408.0	-110.2	1297.9
		-20.00	1118.2	1523.5	2641.6	1583.7	-110.2	1473.5
		-20.50	1463.2	1627.5	3090.7	1853.0	-110.2	1742.8
		-21.00	2248.8	1747.5	3996.4	2395.9	-110.2	2285.7
		-21.50	2171.4	1867.5	4038.9	2421.4	-110.2	2311.2
		-22.00	2224.6	1987.5	4212.2	2525.3	-110.2	2415.1
		-22.50	2309.3	2107.5	4416.8	2648.0	-110.2	2537.8
6	-4.28	-12.50	1002.1	180.0	1182.1	708.7	-101.3	607.4
		-13.00	812.4	296.8	1109.2	665.0	-101.3	563.7
		-13.50	802.5	413.6	1216.1	729.1	-101.3	627.8
		-14.00	828.1	528.0	1356.1	813.0	-101.3	711.8
		-14.50	813.3	626.9	1440.1	863.4	-101.3	762.1
		-15.00	925.0	694.5	1619.5	970.9	-101.3	869.7
		-15.50	971.6	775.7	1747.3	1047.6	-101.3	946.3
		-16.00	956.7	871.7	1828.4	1096.2	-101.3	994.9
		-16.50	930.7	965.8	1896.5	1137.0	-101.3	1035.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-17.00	887.4	1050.5	1937.9	1161.8	-101.3	1060.5
		-17.50	1011.8	1119.2	2131.1	1277.6	-101.3	1176.4
		-18.00	1073.5	1207.7	2281.1	1367.6	-101.3	1266.3
		-18.50	1190.0	1296.9	2486.9	1491.0	-101.3	1389.7
		-19.00	1293.6	1400.8	2694.3	1615.3	-101.3	1514.0
		-19.50	1321.5	1510.5	2832.0	1697.8	-101.3	1596.6
		-20.00	1947.9	1617.0	3565.0	2137.3	-101.3	2036.0
		-20.50	2018.1	1737.0	3755.2	2251.3	-101.3	2150.0
		-21.00	2083.8	1857.0	3940.8	2362.6	-101.3	2261.3
		-21.50	2172.0	1977.0	4149.1	2487.4	-101.3	2386.2
		-22.00	2227.0	2097.0	4324.0	2592.3	-101.3	2491.1
		-22.50	2171.2	2217.0	4388.2	2630.8	-101.3	2529.6
7	-4.33	-12.50	1080.1	190.2	1270.3	761.6	-95.6	666.0
		-13.00	1145.5	305.9	1451.3	870.1	-95.6	774.5
		-13.50	992.8	421.5	1414.3	847.9	-95.6	752.3
		-14.00	1012.0	536.2	1548.2	928.2	-95.6	832.6
		-14.50	1030.2	653.5	1683.8	1009.5	-95.6	913.9
		-15.00	896.0	760.6	1656.6	993.2	-95.6	897.6
		-15.50	924.3	839.4	1763.7	1057.4	-95.6	961.8
		-16.00	788.0	926.3	1714.3	1027.7	-95.6	932.2
		-16.50	717.6	1020.3	1737.9	1041.9	-95.6	946.3
		-17.00	728.0	1076.9	1804.9	1082.1	-95.6	986.5
		-17.50	700.0	1149.7	1849.7	1109.0	-95.6	1013.4
		-18.00	752.4	1216.7	1969.1	1180.5	-95.6	1084.9
		-18.50	718.0	1301.9	2019.8	1210.9	-95.6	1115.4
		-19.00	756.9	1366.6	2123.5	1273.1	-95.6	1177.5
		-19.50	1101.0	1441.9	2542.9	1524.5	-95.6	1429.0
		-20.00	1059.6	1543.8	2603.5	1560.8	-95.6	1465.3
		-20.50	967.2	1645.4	2612.6	1566.3	-95.6	1470.7
		-21.00	1605.3	1730.0	3335.3	1999.6	-95.6	1904.0
		-21.50	1826.0	1847.6	3673.6	2202.4	-95.6	2106.8
8	-4.35	-12.50	842.6	181.2	1023.8	613.8	-94.7	519.0
		-13.00	804.1	288.4	1092.5	655.0	-94.7	560.2
		-13.50	693.7	397.5	1091.2	654.2	-94.7	559.5
		-14.00	636.9	497.5	1134.4	680.1	-94.7	585.3
		-14.50	656.3	575.5	1231.9	738.5	-94.7	643.8
		-15.00	673.5	641.4	1314.9	788.3	-94.7	693.6
		-15.50	663.2	696.1	1359.3	814.9	-94.7	720.2
		-16.00	717.3	745.9	1463.2	877.2	-94.7	782.4
		-16.50	620.5	804.4	1424.8	854.2	-94.7	759.5
		-17.00	567.9	879.8	1447.7	867.9	-94.7	773.2
		-17.50	545.3	948.2	1493.5	895.4	-94.7	800.6
		-18.00	529.1	998.4	1527.4	915.7	-94.7	821.0
		-18.50	537.0	1038.8	1575.8	944.7	-94.7	850.0
		-19.00	611.3	1080.5	1691.8	1014.3	-94.7	919.6
		-19.50	935.2	1133.8	2069.0	1240.4	-94.7	1145.7
		-20.00	1287.0	1237.1	2524.1	1513.3	-94.7	1418.5
		-20.50	1643.5	1357.1	3000.6	1798.9	-94.7	1704.2
		-21.00	1954.3	1477.1	3431.4	2057.2	-94.7	1962.5
		-21.50	2089.0	1597.1	3686.1	2209.9	-94.7	2115.1
		-22.00	2095.3	1717.1	3812.4	2285.6	-94.7	2190.9
		-22.50	2400.0	1837.1	4237.1	2540.2	-94.7	2445.5
9	-4.34	-12.50	989.7	182.9	1172.6	703.0	-97.3	605.7
		-13.00	801.7	300.3	1102.0	660.7	-97.3	563.4
		-13.50	807.0	417.7	1224.8	734.3	-97.3	637.0
		-14.00	778.5	534.2	1312.7	787.0	-97.3	689.8
		-14.50	728.6	632.5	1361.1	816.0	-97.3	718.8
		-15.00	718.1	706.2	1424.3	853.9	-97.3	756.6
		-15.50	637.5	774.7	1412.2	846.6	-97.3	749.4
		-16.00	628.0	834.9	1462.9	877.0	-97.3	779.8
		-16.50	621.1	887.6	1508.7	904.5	-97.3	807.2
		-17.00	616.0	937.0	1552.9	931.0	-97.3	833.8
		-17.50	624.5	985.1	1609.7	965.0	-97.3	867.8
		-18.00	606.3	1037.8	1644.0	985.6	-97.3	888.4
		-18.50	719.3	1082.0	1801.3	1079.9	-97.3	982.7
		-19.00	850.8	1149.4	2000.1	1199.1	-97.3	1101.9
		-19.50	1324.0	1241.1	2565.1	1537.8	-97.3	1440.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
9	-4.34	-20.00	1327.4	1361.1	2688.5	1611.8	-97.3	1514.5
		-20.50	1347.7	1481.0	2828.7	1695.9	-97.3	1598.6
		-21.00	1824.6	1600.0	3424.6	2053.1	-97.3	1955.8
		-21.50	2139.7	1720.0	3859.7	2314.0	-97.3	2216.7
		-22.00	2240.3	1840.0	4080.2	2446.2	-97.3	2348.9
		-22.50	2254.0	1960.0	4213.9	2526.3	-97.3	2429.1
10	-4.05	-12.50	893.0	167.7	1060.7	635.9	-116.5	519.4
		-13.00	950.7	276.0	1226.6	735.4	-116.5	618.9
		-13.50	981.3	383.9	1365.2	818.5	-116.5	702.0
		-14.00	1074.8	477.1	1551.9	930.4	-116.5	813.9
		-14.50	881.5	570.7	1452.2	870.6	-116.5	754.1
		-15.00	895.6	664.3	1559.9	935.2	-116.5	818.7
		-15.50	870.1	759.8	1629.9	977.2	-116.5	860.6
		-16.00	809.2	847.9	1657.0	993.4	-116.5	876.9
		-16.50	917.5	910.8	1828.2	1096.1	-116.5	979.5
		-17.00	875.4	1002.4	1877.8	1125.8	-116.5	1009.3
		-17.50	949.0	1071.3	2020.3	1211.2	-116.5	1094.7
		-18.00	1167.4	1157.3	2324.7	1393.7	-116.5	1277.2
		-18.50	1038.5	1260.3	2298.9	1378.2	-116.5	1261.7
		-19.00	894.5	1356.1	2250.6	1349.3	-116.5	1232.7
		-19.50	1009.3	1423.1	2432.4	1458.3	-116.5	1341.8
		-20.00	1119.4	1508.5	2627.9	1575.5	-116.5	1459.0
		-20.50	1203.8	1603.1	2807.0	1682.8	-116.5	1566.3
		-21.00	1495.0	1698.9	3194.0	1914.8	-116.5	1798.3
		-21.50	1995.4	1816.5	3811.9	2285.3	-116.5	2168.8
		-22.00	2132.7	1936.5	4069.2	2439.6	-116.5	2323.0
		-22.50	2235.2	2056.5	4291.7	2573.0	-116.5	2456.5
11	-4.07	-12.50	802.9	140.6	943.5	565.6	-111.8	453.8
		-13.00	698.1	242.0	940.1	563.6	-111.8	451.8
		-13.50	672.4	344.1	1016.5	609.4	-111.8	497.6
		-14.00	691.0	439.2	1130.2	677.6	-111.8	565.8
		-14.50	689.5	519.9	1209.4	725.1	-111.8	613.3
		-15.00	770.6	573.9	1344.5	806.0	-111.8	694.2
		-15.50	1201.7	643.8	1845.4	1106.4	-111.8	994.6
		-16.00	1191.7	758.8	1950.5	1169.3	-111.8	1057.5
		-16.50	1099.5	874.2	1973.6	1183.2	-111.8	1071.4
		-17.00	942.0	979.9	1921.9	1152.2	-111.8	1040.4
		-17.50	921.7	1075.6	1997.3	1197.4	-111.8	1085.6
		-18.00	867.6	1171.6	2039.2	1222.5	-111.8	1110.7
		-18.50	836.0	1253.4	2089.4	1252.7	-111.8	1140.9
		-19.00	892.8	1317.0	2209.8	1324.8	-111.8	1213.0
		-19.50	1109.1	1389.9	2499.0	1498.2	-111.8	1386.4
		-20.00	2198.0	1495.2	3693.3	2214.2	-111.8	2102.4
		-20.50	2351.7	1615.2	3966.9	2378.2	-111.8	2266.4
		-21.00	2176.9	1735.2	3912.1	2345.4	-111.8	2233.6
		-21.50	2106.7	1855.2	3961.9	2375.3	-111.8	2263.5
		-22.00	2156.0	1975.2	4131.3	2476.8	-111.8	2365.0
		-22.50	2180.6	2095.2	4275.8	2563.4	-111.8	2451.6
12	-4.04	-12.50	1002.0	175.1	1177.1	705.7	-113.4	592.2
		-13.00	998.7	295.1	1293.8	775.7	-113.4	662.2
		-13.50	1010.7	415.1	1425.8	854.8	-113.4	741.3
		-14.00	1045.1	529.6	1574.7	944.0	-113.4	830.6
		-14.50	1136.0	621.9	1757.8	1053.9	-113.4	940.4
		-15.00	1259.6	714.1	1973.7	1183.3	-113.4	1069.8
		-15.50	1028.6	810.1	1838.7	1102.4	-113.4	988.9
		-16.00	1009.6	903.4	1913.0	1146.9	-113.4	1033.4
		-16.50	906.7	998.8	1905.4	1142.3	-113.4	1028.9
		-17.00	893.5	1087.2	1980.8	1187.5	-113.4	1074.1
		-17.50	902.6	1157.4	2060.0	1235.0	-113.4	1121.6
		-18.00	846.3	1244.2	2090.5	1253.3	-113.4	1139.8
		-18.50	1006.8	1313.8	2320.6	1391.2	-113.4	1277.8
		-19.00	1082.1	1402.2	2484.3	1489.4	-113.4	1375.9
		-19.50	1220.6	1493.4	2714.1	1627.1	-113.4	1513.7
		-20.00	1224.3	1589.9	2814.1	1687.1	-113.4	1573.7
		-20.50	1242.1	1690.0	2932.1	1757.9	-113.4	1644.4
		-21.00	1325.5	1790.2	3115.7	1867.9	-113.4	1754.5
		-21.50	1446.3	1890.3	3336.7	2000.4	-113.4	1887.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12	-4.04	-22.00	1774.5	2002.4	3776.9	2264.3	-113.4	2150.9
		-22.50	1806.4	2122.4	3928.8	2355.4	-113.4	2242.0
13	-4.03	-12.50	777.1	185.6	962.7	577.2	-114.5	462.7
		-13.00	752.0	295.4	1047.4	627.9	-114.5	513.4
		-13.50	751.3	404.6	1155.9	693.0	-114.5	578.5
		-14.00	775.0	493.2	1268.3	760.4	-114.5	645.8
		-14.50	892.1	568.2	1460.4	875.5	-114.5	761.0
		-15.00	935.8	651.2	1587.0	951.4	-114.5	836.9
		-15.50	1133.0	732.2	1865.1	1118.2	-114.5	1003.7
		-16.00	1158.1	828.4	1986.5	1191.0	-114.5	1076.4
		-16.50	1135.3	924.3	2059.5	1234.7	-114.5	1120.2
		-17.00	1151.0	1017.2	2168.2	1299.9	-114.5	1185.4
		-17.50	1136.0	1113.2	2249.2	1348.4	-114.5	1233.9
		-18.00	1143.3	1205.3	2348.6	1408.0	-114.5	1293.5
		-18.50	1232.9	1290.2	2523.1	1512.6	-114.5	1398.1
		-19.00	1405.8	1386.3	2792.1	1673.9	-114.5	1559.4
		-19.50	1392.7	1492.1	2884.8	1729.5	-114.5	1615.0
		-20.00	1437.2	1598.5	3035.8	1820.0	-114.5	1705.5
		-20.50	1500.1	1705.7	3205.9	1922.0	-114.5	1807.5
		-21.00	1510.0	1812.9	3323.0	1992.2	-114.5	1877.7
		-21.50	1859.2	1922.2	3781.5	2267.1	-114.5	2152.6
		-22.00	2400.0	2042.2	4442.2	2663.2	-114.5	2548.7
14	-4.04	-12.50	846.1	201.7	1047.8	628.2	-114.0	514.2
		-13.00	787.7	321.7	1109.4	665.1	-114.0	551.2
		-13.50	803.7	441.7	1245.4	746.6	-114.0	632.7
		-14.00	858.5	530.6	1389.2	832.8	-114.0	718.9
		-14.50	864.0	621.8	1485.8	890.7	-114.0	776.8
		-15.00	982.4	700.2	1682.5	1008.7	-114.0	894.7
		-15.50	1237.0	786.3	2023.2	1213.0	-114.0	1099.0
		-16.00	1208.4	895.1	2103.5	1261.1	-114.0	1147.1
		-16.50	1103.6	1004.0	2107.6	1263.6	-114.0	1149.6
		-17.00	1164.6	1093.4	2258.0	1353.7	-114.0	1239.8
		-17.50	1205.5	1188.7	2394.2	1435.4	-114.0	1321.4
		-18.00	1171.8	1282.9	2454.7	1471.6	-114.0	1357.7
		-18.50	547.5	1376.8	1924.3	1153.6	-114.0	1039.7
		-19.00	523.2	1496.8	2019.9	1211.0	-114.0	1097.0
		-19.50	459.8	1616.8	2076.6	1244.9	-114.0	1131.0
		-20.00	293.4	1727.5	2020.9	1211.6	-114.0	1097.6
		-20.50	620.7	1792.3	2412.9	1446.6	-114.0	1332.6
		-21.00	652.8	1875.0	2527.7	1515.4	-114.0	1401.5
		-21.50	642.7	1970.7	2613.3	1566.7	-114.0	1452.8
		-22.00	714.7	2048.1	2762.8	1656.4	-114.0	1542.4
15	-3.79	-12.50	915.9	276.6	1192.5	714.9	-120.5	594.5
		-13.00	947.8	393.0	1340.8	803.9	-120.5	683.4
		-13.50	1018.0	495.3	1513.4	907.3	-120.5	786.8
		-14.00	1047.5	590.1	1637.6	981.8	-120.5	861.3
		-14.50	1163.5	678.6	1842.1	1104.4	-120.5	983.9
		-15.00	1140.7	774.2	1914.9	1148.0	-120.5	1027.5
		-15.50	1171.9	867.2	2039.1	1222.5	-120.5	1102.0
		-16.00	1466.9	968.0	2434.9	1459.8	-120.5	1339.3
		-16.50	1532.8	1088.0	2620.7	1571.2	-120.5	1450.7
		-17.00	1188.9	1208.0	2396.8	1436.9	-120.5	1316.5
		-17.50	1174.8	1328.0	2502.8	1500.5	-120.5	1380.0
		-18.00	1112.4	1448.0	2560.4	1535.0	-120.5	1414.5
		-18.50	1010.2	1556.9	2567.1	1539.0	-120.5	1418.5
		-19.00	1092.8	1637.5	2730.2	1636.8	-120.5	1516.4
		-19.50	1079.6	1733.5	2813.1	1686.5	-120.5	1566.0
		-20.00	926.5	1821.7	2748.2	1647.6	-120.5	1527.1
		-20.50	911.8	1904.0	2815.8	1688.1	-120.5	1567.6
		-21.00	886.9	1997.1	2883.9	1729.0	-120.5	1608.5
		-21.50	775.7	2081.3	2857.0	1712.8	-120.5	1592.3
		-22.00	1620.2	2143.7	3763.9	2256.5	-120.5	2136.1
		-22.50	1882.0	2263.4	4145.5	2485.3	-120.5	2364.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-12.50	809.6	218.2	1027.8	616.2	-113.4	502.8
		-13.00	748.0	326.8	1074.8	644.4	-113.4	530.9
		-13.50	773.1	426.8	1199.9	719.4	-113.4	605.9
		-14.00	808.5	516.5	1325.0	794.3	-113.4	680.9
		-14.50	868.8	589.2	1458.0	874.1	-113.4	760.7
		-15.00	925.8	663.1	1588.9	952.6	-113.4	839.1
		-15.50	1241.4	747.0	1988.3	1192.0	-113.4	1078.6
		-16.00	1170.4	860.0	2030.4	1217.3	-113.4	1103.9
		-16.50	1126.6	976.3	2102.9	1260.7	-113.4	1147.3
		-17.00	1019.7	1092.5	2112.3	1266.3	-113.4	1152.9
		-17.50	951.2	1206.2	2157.4	1293.4	-113.4	1180.0
		-18.00	992.6	1279.3	2271.9	1362.1	-113.4	1248.7
		-18.50	1304.7	1362.8	2667.5	1599.2	-113.4	1485.8
		-19.00	1312.3	1480.8	2793.1	1674.5	-113.4	1561.1
		-19.50	1268.9	1600.8	2869.7	1720.4	-113.4	1607.0
		-20.00	1257.0	1719.4	2976.4	1784.4	-113.4	1671.0
		-20.50	1264.5	1815.5	3079.9	1846.5	-113.4	1733.1
		-21.00	1320.9	1911.2	3232.1	1937.7	-113.4	1824.3
		-21.50	2221.6	2019.2	4240.8	2542.4	-113.4	2429.0
		-22.00	1484.5	2139.2	3623.7	2172.5	-113.4	2059.1
		-22.50	1138.1	2259.2	3397.3	2036.8	-113.4	1923.3
17	-4.01	-12.50	913.5	217.8	1131.3	678.2	-110.5	567.7
		-13.00	936.9	334.5	1271.4	762.2	-110.5	651.7
		-13.50	851.1	451.2	1302.3	780.7	-110.5	670.2
		-14.00	891.9	553.4	1445.4	866.5	-110.5	756.0
		-14.50	931.7	642.6	1574.3	943.8	-110.5	833.3
		-15.00	1061.0	725.8	1786.9	1071.3	-110.5	960.8
		-15.50	1241.9	813.8	2055.8	1232.5	-110.5	1122.0
		-16.00	1326.9	923.2	2250.1	1349.0	-110.5	1238.5
		-16.50	1367.9	1033.3	2401.1	1439.5	-110.5	1329.1
		-17.00	1428.8	1149.2	2578.0	1545.6	-110.5	1435.1
		-17.50	1454.5	1269.2	2723.8	1633.0	-110.5	1522.5
		-18.00	1455.6	1386.6	2842.2	1704.0	-110.5	1593.5
		-18.50	1691.4	1497.8	3189.3	1912.0	-110.5	1801.5
		-19.00	1593.7	1610.8	3204.5	1921.1	-110.5	1810.7
		-19.50	1702.8	1723.6	3426.4	2054.2	-110.5	1943.7
		-20.00	1649.3	1836.4	3485.7	2089.7	-110.5	1979.3
		-20.50	1649.9	1947.2	3597.1	2156.5	-110.5	2046.0
		-21.00	2302.6	2064.8	4367.4	2618.3	-110.5	2507.9
		-21.50	2400.0	2184.7	4584.7	2748.6	-110.5	2638.1
		-22.00	2400.0	2304.7	4704.7	2820.6	-110.5	2710.1
		-22.50	2400.0	2424.7	4824.7	2892.5	-110.5	2782.0
18	-4.40	-12.50	802.2	176.4	978.6	586.7	-92.4	494.3
		-13.00	840.4	292.2	1132.6	679.0	-92.4	586.6
		-13.50	853.6	409.2	1262.9	757.1	-92.4	664.7
		-14.00	711.7	515.5	1227.2	735.7	-92.4	643.3
		-14.50	682.3	591.2	1273.5	763.5	-92.4	671.1
		-15.00	691.6	678.3	1369.9	821.3	-92.4	728.9
		-15.50	658.2	752.0	1410.2	845.4	-92.4	753.1
		-16.00	674.3	803.2	1477.5	885.8	-92.4	793.4
		-16.50	807.3	857.1	1664.4	997.8	-92.4	905.5
		-17.00	1203.9	932.5	2136.4	1280.8	-92.4	1188.4
		-17.50	1219.0	1045.1	2264.1	1357.4	-92.4	1265.0
		-18.00	1204.5	1165.1	2369.6	1420.6	-92.4	1328.2
		-18.50	1020.5	1285.1	2305.6	1382.2	-92.4	1289.9
		-19.00	998.9	1391.5	2390.4	1433.1	-92.4	1340.7
		-19.50	1119.7	1476.0	2595.8	1556.2	-92.4	1463.8
		-20.00	1027.7	1572.5	2600.2	1558.9	-92.4	1466.5
		-20.50	1170.5	1661.4	2832.0	1697.8	-92.4	1605.4
		-21.00	1439.6	1764.5	3204.0	1920.9	-92.4	1828.5
		-21.50	1456.7	1884.5	3341.2	2003.1	-92.4	1910.7
		-22.00	1470.1	2004.5	3474.5	2083.1	-92.4	1990.7
		-22.50	2130.5	2124.4	4255.0	2550.9	-92.4	2458.6
19	-4.20	-12.50	934.9	240.1	1174.9	704.4	-100.4	604.0
		-13.00	921.2	356.3	1277.5	765.9	-100.4	665.5
		-13.50	887.1	459.4	1346.5	807.3	-100.4	706.9
		-14.00	951.9	548.6	1500.4	899.5	-100.4	799.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-14.50	970.9	644.6	1615.4	968.5	-100.4	868.1
		-15.00	1048.7	731.6	1780.3	1067.3	-100.4	967.0
		-15.50	950.9	817.8	1768.7	1060.4	-100.4	960.0
		-16.00	936.0	907.4	1843.4	1105.2	-100.4	1004.8
		-16.50	916.9	993.0	1909.9	1145.0	-100.4	1044.6
		-17.00	922.4	1069.8	1992.3	1194.4	-100.4	1094.0
		-17.50	1831.8	1151.9	2983.7	1788.8	-100.4	1688.4
		-18.00	1649.2	1271.9	2921.1	1751.3	-100.4	1650.9
		-18.50	1604.0	1391.9	2995.9	1796.1	-100.4	1695.7
		-19.00	1332.3	1511.9	2844.3	1705.2	-100.4	1604.8
		-19.50	1141.5	1628.9	2770.4	1660.9	-100.4	1560.5
		-20.00	1352.1	1721.6	3073.7	1842.7	-100.4	1742.3
		-20.50	1268.7	1817.6	3086.3	1850.3	-100.4	1749.9
		-21.00	1659.3	1924.5	3583.8	2148.5	-100.4	2048.2
		-21.50	1655.5	2044.5	3700.0	2218.2	-100.4	2117.9
		-22.00	2144.8	2164.5	4309.3	2583.5	-100.4	2483.1
		-22.50	1896.7	2284.5	4181.2	2506.7	-100.4	2406.3

**SAMENVATTINGSTABEL 290p o (n=1)****Uitgangspunten**

- paal : 290p
- paaltype : Geheide paal (beton)
- schachtafmeting : 290 x 290
Paalklassefactor α_p : 0.70
Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezwijkdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	401.3	88.5	489.8	293.6	-9.0	284.6
		-13.00	422.8	153.9	576.8	345.8	-9.0	336.8
		-13.50	436.9	223.5	660.5	396.0	-9.0	387.0
		-14.00	450.7	292.6	743.3	445.6	-9.0	436.6
		-14.50	389.3	342.8	732.1	438.9	-9.0	429.9
		-15.00	357.0	400.7	757.7	454.3	-9.0	445.3
		-15.50	334.0	460.0	794.1	476.1	-9.0	467.1
		-16.00	325.8	497.5	823.4	493.6	-9.0	484.6
		-16.50	403.6	531.8	935.4	560.8	-9.0	551.8
		-17.00	466.1	581.5	1047.7	628.1	-9.0	619.1
		-17.50	557.2	644.1	1201.3	720.2	-9.0	711.2
		-18.00	511.0	721.8	1232.8	739.1	-9.0	730.1
		-18.50	457.8	799.5	1257.3	753.8	-9.0	744.8
		-19.00	477.7	851.9	1329.6	797.1	-9.0	788.1
		-19.50	462.4	909.9	1372.3	822.7	-9.0	813.7
		-20.00	566.6	963.6	1530.1	917.4	-9.0	908.4
		-20.50	548.4	1032.9	1581.3	948.0	-9.0	939.0
		-21.00	848.8	1103.4	1952.2	1170.4	-9.0	1161.4
		-21.50	886.5	1190.4	2076.9	1245.1	-9.0	1236.1
		-22.00	1026.9	1277.4	2304.3	1381.5	-9.0	1372.5
		-22.50	1111.0	1364.4	2475.4	1484.0	-9.0	1475.0
2 - Ontgraven tot	-8.36	-12.50	357.3	75.6	432.9	259.5	-9.9	249.6
		-13.00	357.0	135.7	492.7	295.4	-9.9	285.5
		-13.50	361.5	198.6	560.1	335.8	-9.9	325.9
		-14.00	367.5	255.2	622.7	373.3	-9.9	363.4
		-14.50	376.5	298.1	674.6	404.4	-9.9	394.5
		-15.00	383.3	336.9	720.2	431.8	-9.9	421.9
		-15.50	404.8	383.5	788.3	472.6	-9.9	462.7
		-16.00	396.0	431.1	827.1	495.9	-9.9	486.0
		-16.50	386.4	481.6	867.9	520.3	-9.9	510.4
		-17.00	385.4	522.3	907.8	544.2	-9.9	534.3
		-17.50	478.1	563.9	1042.1	624.7	-9.9	614.8
		-18.00	459.3	631.0	1090.3	653.7	-9.9	643.7
		-18.50	529.3	688.1	1217.4	729.9	-9.9	719.9
		-19.00	539.4	755.2	1294.5	776.1	-9.9	766.2
		-19.50	553.9	816.6	1370.5	821.7	-9.9	811.8
		-20.00	535.2	885.2	1420.4	851.6	-9.9	841.7
		-20.50	548.2	948.8	1497.0	897.5	-9.9	887.6
		-21.00	863.7	1013.6	1877.4	1125.5	-9.9	1115.6
		-21.50	1060.4	1100.6	2161.0	1295.6	-9.9	1285.7
		-22.00	988.8	1187.6	2176.5	1304.8	-9.9	1294.9
		-22.50	1026.4	1274.6	2301.0	1379.5	-9.9	1369.6
3 - Ontgraven tot	-8.36	-12.50	426.8	85.5	512.3	307.1	-9.6	297.5
		-13.00	420.5	154.2	574.7	344.6	-9.6	335.0
		-13.50	367.3	223.7	591.0	354.3	-9.6	344.8
		-14.00	365.3	283.5	648.9	389.0	-9.6	379.4
		-14.50	362.5	332.8	695.3	416.8	-9.6	407.3
		-15.00	358.3	371.8	730.1	437.7	-9.6	428.1
		-15.50	358.6	408.8	767.4	460.1	-9.6	450.5
		-16.00	371.5	445.1	816.5	489.5	-9.6	480.0
		-16.50	358.7	488.5	847.2	507.9	-9.6	498.4
		-17.00	388.7	525.2	913.9	547.9	-9.6	538.3
		-17.50	550.5	572.9	1123.4	673.5	-9.6	663.9
		-18.00	477.1	640.5	1117.6	670.0	-9.6	660.5
		-18.50	439.2	710.0	1149.2	689.0	-9.6	679.4
		-19.00	338.3	775.8	1114.1	667.9	-9.6	658.3
		-19.50	335.1	819.3	1154.4	692.1	-9.6	682.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	312.3	865.8	1178.1	706.3	-9.6	696.7
		-20.50	531.1	899.3	1430.5	857.6	-9.6	848.0
		-21.00	838.4	975.9	1814.4	1087.8	-9.6	1078.2
		-21.50	843.3	1062.9	1906.3	1142.8	-9.6	1133.3
		-22.00	882.3	1149.9	2032.3	1218.4	-9.6	1208.8
		-22.50	913.8	1236.9	2150.8	1289.4	-9.6	1279.9
4 - Ontgraven tot	-8.36	-12.50	388.9	85.8	474.8	284.6	-9.2	275.5
		-13.00	422.7	155.2	577.9	346.5	-9.2	337.3
		-13.50	466.6	216.2	682.7	409.3	-9.2	400.1
		-14.00	552.2	275.5	827.7	496.2	-9.2	487.0
		-14.50	581.5	340.4	921.9	552.7	-9.2	543.5
		-15.00	597.8	404.8	1002.6	601.1	-9.2	591.9
		-15.50	589.3	472.4	1061.7	636.5	-9.2	627.3
		-16.00	651.5	542.1	1193.6	715.6	-9.2	706.4
		-16.50	579.8	622.4	1202.2	720.7	-9.2	711.6
		-17.00	520.1	693.2	1213.3	727.4	-9.2	718.2
		-17.50	453.5	755.3	1208.8	724.7	-9.2	715.5
		-18.00	387.2	824.9	1212.1	726.7	-9.2	717.5
		-18.50	357.7	877.5	1235.2	740.5	-9.2	731.4
		-19.00	477.0	918.8	1395.7	836.8	-9.2	827.6
		-19.50	530.9	981.4	1512.3	906.7	-9.2	897.5
		-20.00	568.0	1048.4	1616.4	969.1	-9.2	959.9
		-20.50	820.1	1126.5	1946.5	1167.0	-9.2	1157.8
		-21.00	891.5	1213.5	2105.0	1262.0	-9.2	1252.8
		-21.50	873.4	1300.5	2173.8	1303.2	-9.2	1294.1
		-22.00	844.8	1387.5	2232.3	1338.3	-9.2	1329.1
		-22.50	870.9	1473.7	2344.7	1405.7	-9.2	1396.5
5 - Ontgraven tot	-8.36	-12.50	413.3	86.9	500.2	299.9	-9.0	290.9
		-13.00	465.0	153.8	618.8	371.0	-9.0	362.0
		-13.50	380.1	219.2	599.3	359.3	-9.0	350.3
		-14.00	359.3	286.0	645.3	386.9	-9.0	377.9
		-14.50	335.8	347.4	683.2	409.6	-9.0	400.6
		-15.00	334.6	383.6	718.3	430.6	-9.0	421.6
		-15.50	416.7	421.4	838.0	502.4	-9.0	493.4
		-16.00	415.9	479.7	895.6	536.9	-9.0	527.9
		-16.50	390.6	542.1	932.6	559.1	-9.0	550.1
		-17.00	451.1	586.7	1037.8	622.2	-9.0	613.2
		-17.50	419.8	649.1	1068.9	640.8	-9.0	631.8
		-18.00	394.7	713.6	1108.2	664.4	-9.0	655.4
		-18.50	387.8	759.2	1147.0	687.6	-9.0	678.6
		-19.00	388.1	798.3	1186.4	711.3	-9.0	702.3
		-19.50	401.3	837.6	1239.0	742.8	-9.0	733.8
		-20.00	503.5	880.4	1383.9	829.7	-9.0	820.7
		-20.50	632.9	946.5	1579.4	946.9	-9.0	937.9
		-21.00	1053.3	1029.5	2082.8	1248.7	-9.0	1239.7
		-21.50	1197.4	1116.5	2313.9	1387.2	-9.0	1378.2
		-22.00	1097.4	1203.5	2300.9	1379.4	-9.0	1370.4
		-22.50	1158.2	1290.5	2448.7	1468.0	-9.0	1459.0
6 - Ontgraven tot	-8.36	-12.50	427.0	82.5	509.5	305.4	-9.8	295.7
		-13.00	443.5	150.2	593.7	355.9	-9.8	346.2
		-13.50	369.9	217.3	587.1	352.0	-9.8	342.2
		-14.00	378.8	281.3	660.1	395.8	-9.8	386.0
		-14.50	359.9	342.7	702.7	421.3	-9.8	411.5
		-15.00	378.0	381.2	759.1	455.1	-9.8	445.3
		-15.50	461.6	431.7	893.2	535.5	-9.8	525.7
		-16.00	412.3	496.0	908.3	544.5	-9.8	534.7
		-16.50	406.8	553.7	960.5	575.8	-9.8	566.1
		-17.00	390.6	606.5	997.1	597.8	-9.8	588.0
		-17.50	447.6	648.4	1096.1	657.1	-9.8	647.4
		-18.00	485.0	704.3	1189.3	713.0	-9.8	703.2
		-18.50	532.3	760.0	1292.3	774.7	-9.8	765.0
		-19.00	601.0	825.4	1426.4	855.2	-9.8	845.4
		-19.50	621.7	895.0	1516.7	909.3	-9.8	899.5
		-20.00	923.1	962.7	1885.8	1130.6	-9.8	1120.8
		-20.50	968.8	1049.6	2018.4	1210.1	-9.8	1200.3
		-21.00	1052.2	1136.6	2188.7	1312.2	-9.8	1302.4
		-21.50	1063.6	1223.6	2287.2	1371.2	-9.8	1361.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1098.2	1310.6	2408.8	1444.1	-9.8	1434.4
		-22.50	1085.9	1397.6	2483.4	1488.9	-9.8	1479.1
7 - Ontgraven tot	-8.36	-12.50	427.8	89.7	517.5	310.3	-9.8	300.5
		-13.00	486.4	157.2	643.6	385.8	-9.8	376.1
		-13.50	516.2	226.6	742.8	445.3	-9.8	435.5
		-14.00	484.3	292.5	776.9	465.8	-9.8	456.0
		-14.50	468.6	361.9	830.6	498.0	-9.8	488.2
		-15.00	446.7	424.6	871.3	522.4	-9.8	512.6
		-15.50	408.0	471.0	878.9	526.9	-9.8	517.2
		-16.00	393.3	526.4	919.7	551.4	-9.8	541.6
		-16.50	322.9	592.3	915.2	548.7	-9.8	538.9
		-17.00	331.7	627.0	958.7	574.8	-9.8	565.0
		-17.50	306.3	672.0	978.3	586.5	-9.8	576.8
		-18.00	342.8	713.8	1056.7	633.5	-9.8	623.7
		-18.50	328.8	767.4	1096.2	657.2	-9.8	647.4
		-19.00	322.3	808.3	1130.6	677.8	-9.8	668.1
		-19.50	525.0	857.5	1382.5	828.8	-9.8	819.1
		-20.00	503.2	927.1	1430.3	857.5	-9.8	847.7
		-20.50	466.1	995.9	1461.9	876.5	-9.8	866.7
		-21.00	701.7	1050.7	1752.4	1050.6	-9.8	1040.8
		-21.50	890.7	1134.5	2025.1	1214.1	-9.8	1204.3
		-22.00	1063.9	1221.5	2285.4	1370.1	-9.8	1360.3
8 - Ontgraven tot	-8.36	-12.50	357.0	83.8	440.9	264.3	-9.0	255.3
		-13.00	388.0	144.6	532.6	319.3	-9.0	310.3
		-13.50	364.4	214.0	578.4	346.8	-9.0	337.8
		-14.00	330.7	269.9	600.6	360.1	-9.0	351.1
		-14.50	295.2	313.7	608.9	365.0	-9.0	356.0
		-15.00	288.3	351.4	639.7	383.5	-9.0	374.5
		-15.50	282.1	383.3	665.4	398.9	-9.0	389.9
		-16.00	303.6	412.9	716.5	429.6	-9.0	420.6
		-16.50	325.9	448.0	774.0	464.0	-9.0	455.0
		-17.00	271.3	493.9	765.2	458.7	-9.0	449.7
		-17.50	247.6	535.9	783.5	469.7	-9.0	460.7
		-18.00	240.7	567.0	807.7	484.2	-9.0	475.2
		-18.50	241.1	592.3	833.4	499.6	-9.0	490.6
		-19.00	277.6	618.6	896.1	537.2	-9.0	528.2
		-19.50	410.2	652.4	1062.5	637.0	-9.0	628.0
		-20.00	612.3	719.4	1331.7	798.4	-9.0	789.4
		-20.50	790.6	802.9	1593.6	955.4	-9.0	946.4
		-21.00	973.6	889.9	1863.6	1117.2	-9.0	1108.2
		-21.50	1061.2	976.9	2038.1	1221.9	-9.0	1212.9
		-22.00	1081.4	1063.9	2145.3	1286.2	-9.0	1277.2
		-22.50	1261.5	1150.9	2412.4	1446.3	-9.0	1437.3
9 - Ontgraven tot	-8.36	-12.50	429.0	84.5	513.5	307.8	-9.6	298.3
		-13.00	446.7	152.7	599.4	359.3	-9.6	349.8
		-13.50	371.8	219.6	591.5	354.6	-9.6	345.0
		-14.00	376.3	287.2	663.5	397.8	-9.6	388.2
		-14.50	362.9	342.7	705.6	423.0	-9.6	413.5
		-15.00	328.9	384.9	713.8	427.9	-9.6	418.4
		-15.50	310.3	424.8	735.1	440.7	-9.6	431.1
		-16.00	277.7	460.5	738.2	442.6	-9.6	433.0
		-16.50	275.1	492.1	767.3	460.0	-9.6	450.4
		-17.00	270.6	522.2	792.7	475.3	-9.6	465.7
		-17.50	280.1	551.8	831.8	498.7	-9.6	489.1
		-18.00	272.2	584.4	856.6	513.5	-9.6	504.0
		-18.50	328.3	612.1	940.4	563.8	-9.6	554.2
		-19.00	337.5	654.5	992.0	594.7	-9.6	585.2
		-19.50	620.9	717.3	1338.2	802.2	-9.6	792.7
		-20.00	638.7	804.3	1443.0	865.1	-9.6	855.6
		-20.50	651.7	889.3	1541.0	923.9	-9.6	914.3
		-21.00	892.2	970.6	1862.7	1116.7	-9.6	1107.2
		-21.50	1077.8	1057.6	2135.3	1280.2	-9.6	1270.6
		-22.00	1130.9	1144.6	2275.4	1364.2	-9.6	1354.6
		-22.50	1120.3	1231.6	2351.9	1410.0	-9.6	1400.4
10 - Ontgraven tot	-8.36	-12.50	347.9	71.8	419.7	251.6	-9.6	242.0
		-13.00	376.2	135.6	511.7	306.8	-9.6	297.2
		-13.50	400.6	199.7	600.3	359.9	-9.6	350.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
10 - Ontgraven tot	-8.36	-14.00	446.7	247.6	694.3	416.3	-9.6	406.7
		-14.50	490.6	302.9	793.5	475.7	-9.6	466.2
		-15.00	375.4	363.7	739.1	443.1	-9.6	433.5
		-15.50	362.3	421.1	783.3	469.6	-9.6	460.1
		-16.00	337.7	472.2	809.9	485.5	-9.6	476.0
		-16.50	389.4	508.4	897.8	538.2	-9.6	528.7
		-17.00	374.4	567.3	941.7	564.5	-9.6	555.0
		-17.50	389.5	608.0	997.5	598.0	-9.6	588.4
		-18.00	550.4	661.6	1212.0	726.6	-9.6	717.1
		-18.50	459.2	731.2	1190.4	713.7	-9.6	704.1
		-19.00	402.6	793.8	1196.4	717.3	-9.6	707.7
		-19.50	453.3	835.0	1288.3	772.3	-9.6	762.8
		-20.00	504.9	888.4	1393.3	835.3	-9.6	825.8
		-20.50	551.8	950.2	1502.0	900.5	-9.6	890.9
		-21.00	652.0	1013.9	1665.9	998.8	-9.6	989.2
		-21.50	939.4	1096.5	2036.0	1220.6	-9.6	1211.0
		-22.00	1145.3	1183.5	2328.8	1396.2	-9.6	1386.6
		-22.50	1091.8	1270.5	2362.3	1416.3	-9.6	1406.7
11 - Ontgraven tot	-8.36	-12.50	334.8	61.5	396.3	237.6	-9.6	228.0
		-13.00	345.6	122.7	468.3	280.8	-9.6	271.2
		-13.50	296.4	191.6	488.0	292.6	-9.6	283.0
		-14.00	303.2	242.8	546.0	327.4	-9.6	317.8
		-14.50	294.7	287.4	582.1	349.0	-9.6	339.4
		-15.00	307.9	317.3	625.3	374.9	-9.6	365.3
		-15.50	556.1	357.0	913.0	547.4	-9.6	537.8
		-16.00	528.3	425.8	954.1	572.0	-9.6	562.5
		-16.50	503.3	495.4	998.7	598.8	-9.6	589.2
		-17.00	501.6	563.0	1064.6	638.3	-9.6	628.7
		-17.50	422.3	623.3	1045.6	626.9	-9.6	617.3
		-18.00	392.2	690.7	1082.9	649.2	-9.6	639.7
		-18.50	375.4	740.8	1116.1	669.1	-9.6	659.6
		-19.00	401.6	780.0	1181.6	708.4	-9.6	698.8
		-19.50	486.9	825.3	1312.2	786.7	-9.6	777.1
		-20.00	958.2	894.2	1852.4	1110.5	-9.6	1101.0
		-20.50	1126.4	981.2	2107.6	1263.5	-9.6	1254.0
		-21.00	1214.7	1068.2	2282.9	1368.7	-9.6	1359.1
		-21.50	1121.0	1155.2	2276.1	1364.6	-9.6	1355.0
		-22.00	1088.3	1242.2	2330.4	1397.1	-9.6	1387.6
		-22.50	1099.3	1329.2	2428.5	1455.9	-9.6	1446.4
12 - Ontgraven tot	-8.36	-12.50	405.4	75.5	480.9	288.3	-9.0	279.3
		-13.00	427.7	142.4	570.0	341.8	-9.0	332.8
		-13.50	422.6	212.0	634.6	380.5	-9.0	371.5
		-14.00	447.0	275.2	722.3	433.0	-9.0	424.0
		-14.50	464.6	326.7	791.4	474.4	-9.0	465.4
		-15.00	533.4	383.2	916.6	549.5	-9.0	540.5
		-15.50	509.7	452.7	962.4	577.0	-9.0	568.0
		-16.00	437.9	507.9	945.8	567.0	-9.0	558.0
		-16.50	424.6	565.7	990.3	593.7	-9.0	584.7
		-17.00	390.9	620.4	1011.3	606.3	-9.0	597.3
		-17.50	395.6	662.0	1057.6	634.1	-9.0	625.1
		-18.00	370.0	715.4	1085.4	650.7	-9.0	641.7
		-18.50	445.5	757.6	1203.1	721.3	-9.0	712.3
		-19.00	466.6	814.7	1281.4	768.2	-9.0	759.2
		-19.50	513.1	875.4	1388.6	832.5	-9.0	823.5
		-20.00	565.5	940.0	1505.4	902.5	-9.0	893.5
		-20.50	582.5	1007.6	1590.1	953.3	-9.0	944.3
		-21.00	629.7	1072.0	1701.6	1020.2	-9.0	1011.2
		-21.50	644.0	1141.5	1785.5	1070.5	-9.0	1061.4
		-22.00	848.2	1219.6	2067.7	1239.7	-9.0	1230.7
		-22.50	860.9	1306.6	2167.4	1299.4	-9.0	1290.4
13 - Ontgraven tot	-8.36	-12.50	343.4	81.0	424.4	254.4	-9.0	245.4
		-13.00	316.9	149.5	466.5	279.7	-9.0	270.7
		-13.50	313.9	212.1	526.0	315.3	-9.0	306.3
		-14.00	330.0	257.8	587.8	352.4	-9.0	343.4
		-14.50	370.4	297.7	668.1	400.5	-9.0	391.5
		-15.00	370.4	343.0	713.4	427.7	-9.0	418.7
		-15.50	469.9	388.7	858.6	514.8	-9.0	505.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
13 - Ontgraven tot	-8.36	-16.00	489.3	452.0	941.3	564.3	-9.0	555.3
		-16.50	487.1	516.9	1004.0	601.9	-9.0	592.9
		-17.00	514.9	572.8	1087.7	652.1	-9.0	643.1
		-17.50	506.4	639.3	1145.7	686.8	-9.0	677.8
		-18.00	506.0	696.0	1201.9	720.6	-9.0	711.6
		-18.50	539.8	747.2	1287.0	771.6	-9.0	762.6
		-19.00	627.2	807.4	1434.6	860.1	-9.0	851.1
		-19.50	627.5	877.0	1504.5	902.0	-9.0	893.0
		-20.00	641.2	946.0	1587.2	951.6	-9.0	942.6
		-20.50	694.1	1016.7	1710.8	1025.6	-9.0	1016.6
		-21.00	705.9	1088.8	1794.6	1075.9	-9.0	1066.9
		-21.50	844.6	1162.5	2007.1	1203.3	-9.0	1194.3
		-22.00	1155.0	1249.1	2404.1	1441.3	-9.0	1432.3
		-22.50	1209.4	1336.1	2545.5	1526.1	-9.0	1517.1
14 - Ontgraven tot	-8.36	-12.50	341.3	87.6	428.8	257.1	-9.0	248.1
		-13.00	350.6	156.5	507.1	304.0	-9.0	295.0
		-13.50	346.4	222.4	568.8	341.0	-9.0	332.0
		-14.00	372.7	268.3	641.0	384.3	-9.0	375.3
		-14.50	353.8	318.9	672.7	403.3	-9.0	394.3
		-15.00	395.0	363.6	758.6	454.8	-9.0	445.8
		-15.50	530.2	411.7	941.9	564.7	-9.0	555.7
		-16.00	522.4	480.2	1002.5	601.0	-9.0	592.0
		-16.50	470.3	549.5	1019.8	611.4	-9.0	602.4
		-17.00	511.5	601.9	1113.4	667.5	-9.0	658.5
		-17.50	524.7	661.3	1185.9	711.0	-9.0	702.0
		-18.00	521.1	723.7	1244.7	746.2	-9.0	737.2
		-18.50	655.2	783.8	1439.1	862.7	-9.0	853.7
		-19.00	222.5	862.7	1085.2	650.6	-9.0	641.6
		-19.50	206.8	941.6	1148.4	688.5	-9.0	679.5
		-20.00	122.3	1011.7	1134.0	679.9	-9.0	670.9
		-20.50	262.4	1053.4	1315.8	788.8	-9.0	779.8
		-21.00	311.7	1109.4	1421.1	852.0	-9.0	843.0
		-21.50	316.1	1177.3	1493.5	895.4	-9.0	886.4
		-22.00	332.5	1226.4	1559.0	934.6	-9.0	925.6
		-22.50	806.8	1286.4	2093.2	1254.9	-9.0	1245.9
15 - Ontgraven tot	-8.36	-12.50	381.8	123.0	504.8	302.6	-7.6	295.0
		-13.00	382.6	191.3	573.9	344.1	-7.6	336.4
		-13.50	421.2	242.5	663.7	397.9	-7.6	390.3
		-14.00	411.6	302.7	714.3	428.2	-7.6	420.6
		-14.50	466.6	353.9	820.5	491.9	-7.6	484.3
		-15.00	450.7	417.9	868.6	520.7	-7.6	513.1
		-15.50	451.4	469.3	920.8	552.0	-7.6	544.4
		-16.00	602.5	526.5	1129.0	676.9	-7.6	669.2
		-16.50	680.9	596.5	1277.4	765.9	-7.6	758.2
		-17.00	673.5	672.2	1345.6	806.7	-7.6	799.1
		-17.50	508.8	748.4	1257.2	753.7	-7.6	746.1
		-18.00	485.0	825.1	1310.0	785.4	-7.6	777.8
		-18.50	430.4	892.8	1323.2	793.3	-7.6	785.6
		-19.00	493.3	941.5	1434.8	860.2	-7.6	852.6
		-19.50	477.4	1008.5	1485.9	890.8	-7.6	883.2
		-20.00	475.8	1067.7	1543.4	925.3	-7.6	917.7
		-20.50	422.2	1121.9	1544.1	925.7	-7.6	918.1
		-21.00	403.7	1184.9	1588.6	952.4	-7.6	944.8
		-21.50	353.6	1242.0	1595.5	956.6	-7.6	948.9
		-22.00	687.8	1281.2	1969.0	1180.5	-7.6	1172.8
		-22.50	875.8	1367.4	2243.2	1344.8	-7.6	1337.2
16 - Ontgraven tot	-8.36	-12.50	350.8	101.3	452.1	271.0	-7.7	263.3
		-13.00	328.0	170.9	498.9	299.1	-7.7	291.4
		-13.50	329.6	224.6	554.2	332.2	-7.7	324.5
		-14.00	339.9	272.8	612.7	367.3	-7.7	359.6
		-14.50	357.0	312.1	669.1	401.1	-7.7	393.4
		-15.00	361.8	352.5	714.3	428.2	-7.7	420.5
		-15.50	497.3	399.6	896.8	537.7	-7.7	529.9
		-16.00	565.7	465.5	1031.2	618.2	-7.7	610.5
		-16.50	510.1	534.6	1044.7	626.3	-7.7	618.6
		-17.00	444.1	604.2	1048.3	628.5	-7.7	620.7
		-17.50	416.0	672.2	1088.2	652.4	-7.7	644.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	434.9	715.9	1150.8	690.0	-7.7	682.2
		-18.50	614.7	766.5	1381.3	828.1	-7.7	820.4
		-19.00	595.2	839.9	1435.1	860.4	-7.7	852.6
		-19.50	607.8	914.8	1522.6	912.8	-7.7	905.1
		-20.00	583.3	988.7	1572.0	942.5	-7.7	934.7
		-20.50	589.8	1055.7	1645.5	986.5	-7.7	978.8
		-21.00	580.4	1122.9	1703.3	1021.2	-7.7	1013.4
		-21.50	1158.2	1196.4	2354.6	1411.6	-7.7	1403.9
		-22.00	1092.9	1283.4	2376.3	1424.6	-7.7	1416.9
		-22.50	652.5	1370.4	2022.9	1212.8	-7.7	1205.1
17 - Ontgraven tot	-8.36	-12.50	392.8	94.8	487.6	292.3	-8.4	283.9
		-13.00	389.9	162.0	551.8	330.8	-8.4	322.4
		-13.50	414.4	227.8	642.1	385.0	-8.4	376.5
		-14.00	396.4	283.6	680.1	407.7	-8.4	399.3
		-14.50	391.7	334.4	726.1	435.3	-8.4	426.9
		-15.00	432.4	381.6	814.0	488.0	-8.4	479.6
		-15.50	514.0	433.9	947.9	568.3	-8.4	559.8
		-16.00	566.0	498.6	1064.6	638.3	-8.4	629.8
		-16.50	579.2	567.4	1146.6	687.4	-8.4	679.0
		-17.00	643.6	638.7	1282.4	768.8	-8.4	760.4
		-17.50	665.3	714.5	1379.8	827.2	-8.4	818.7
		-18.00	669.2	787.7	1456.9	873.4	-8.4	865.0
		-18.50	767.8	856.2	1624.0	973.6	-8.4	965.2
		-19.00	715.2	926.2	1641.4	984.0	-8.4	975.6
		-19.50	771.9	996.1	1768.0	1060.0	-8.4	1051.5
		-20.00	750.9	1066.1	1817.0	1089.3	-8.4	1080.9
		-20.50	753.5	1135.1	1888.6	1132.3	-8.4	1123.8
		-21.00	954.2	1209.5	2163.7	1297.2	-8.4	1288.7
		-21.50	1200.1	1295.4	2495.4	1496.1	-8.4	1487.6
		-22.00	1261.5	1382.4	2643.9	1585.1	-8.4	1576.6
		-22.50	1261.5	1469.4	2730.9	1637.2	-8.4	1628.8
18 - Ontgraven tot	-8.36	-12.50	387.0	82.6	469.6	281.6	-9.0	272.6
		-13.00	365.2	147.2	512.4	307.2	-9.0	298.2
		-13.50	385.7	215.8	601.5	360.6	-9.0	351.6
		-14.00	391.7	275.0	666.7	399.7	-9.0	390.7
		-14.50	340.5	317.7	658.3	394.6	-9.0	385.6
		-15.00	300.4	368.4	668.8	400.9	-9.0	391.9
		-15.50	285.7	411.6	697.3	418.0	-9.0	409.0
		-16.00	288.9	442.1	731.0	438.3	-9.0	429.3
		-16.50	347.7	474.7	822.4	493.0	-9.0	484.0
		-17.00	500.8	520.7	1021.5	612.4	-9.0	603.4
		-17.50	766.2	598.5	1364.7	818.2	-9.0	809.2
		-18.00	544.8	685.5	1230.3	737.6	-9.0	728.6
		-18.50	475.8	772.5	1248.3	748.4	-9.0	739.4
		-19.00	414.5	846.6	1261.1	756.0	-9.0	747.0
		-19.50	523.5	905.2	1428.7	856.5	-9.0	847.5
		-20.00	482.1	973.8	1455.9	872.9	-9.0	863.9
		-20.50	555.1	1034.2	1589.4	952.9	-9.0	943.9
		-21.00	693.5	1103.3	1796.8	1077.2	-9.0	1068.2
		-21.50	714.5	1184.1	1898.7	1138.3	-9.0	1129.3
		-22.00	722.2	1264.9	1987.1	1191.3	-9.0	1182.3
		-22.50	1032.7	1347.6	2380.4	1427.1	-9.0	1418.1
19 - Ontgraven tot	-8.36	-12.50	369.5	112.6	482.0	289.0	-8.4	280.5
		-13.00	383.3	182.2	565.4	339.0	-8.4	330.5
		-13.50	404.1	237.6	641.8	384.8	-8.4	376.3
		-14.00	428.9	286.3	715.1	428.7	-8.4	420.3
		-14.50	418.8	348.6	767.5	460.1	-8.4	451.7
		-15.00	414.7	398.8	813.5	487.7	-8.4	479.3
		-15.50	440.7	455.4	896.1	537.2	-8.4	528.8
		-16.00	408.8	511.1	919.9	551.5	-8.4	543.1
		-16.50	401.4	562.0	963.3	577.5	-8.4	569.1
		-17.00	396.6	608.1	1004.7	602.3	-8.4	593.9
		-17.50	817.0	660.1	1477.1	885.5	-8.4	877.1
		-18.00	881.1	747.1	1628.2	976.2	-8.4	967.7
		-18.50	743.0	834.1	1577.1	945.5	-8.4	937.1
		-19.00	644.5	921.1	1565.6	938.6	-8.4	930.1
		-19.50	534.1	1002.9	1537.0	921.5	-8.4	913.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	637.7	1064.6	1702.3	1020.5	-8.4	1012.1
		-20.50	567.0	1134.1	1701.1	1019.8	-8.4	1011.4
		-21.00	776.5	1206.6	1983.0	1188.9	-8.4	1180.4
		-21.50	783.9	1293.6	2077.5	1245.5	-8.4	1237.1
		-22.00	1008.8	1379.8	2388.6	1432.0	-8.4	1423.6
		-22.50	1085.7	1466.8	2552.5	1530.3	-8.4	1521.8

SAMENVATTINGSTABEL 320p o (n=1)

Uitgangspunten

- paal : 320p
 - paaltype : Geheide paal (beton)
 - schachtafmeting : 320 x 320
 Paalklassefactor α_p : 0.70
 Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor $\xi_{3(n=1)}$: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	481.3	97.6	579.0	347.1	-9.9	337.2
		-13.00	484.8	169.8	654.6	392.4	-9.9	382.5
		-13.50	514.1	246.6	760.7	456.1	-9.9	446.1
		-14.00	528.8	322.8	851.7	510.6	-9.9	500.7
		-14.50	458.5	378.3	836.8	501.7	-9.9	491.8
		-15.00	433.1	442.2	875.3	524.7	-9.9	514.8
		-15.50	406.7	507.6	914.4	548.2	-9.9	538.2
		-16.00	397.0	549.0	946.0	567.1	-9.9	557.2
		-16.50	493.6	586.8	1080.4	647.7	-9.9	637.8
		-17.00	568.9	641.7	1210.6	725.8	-9.9	715.8
		-17.50	651.1	710.7	1361.8	816.4	-9.9	806.5
		-18.00	619.8	796.5	1416.3	849.1	-9.9	839.2
		-18.50	551.8	882.2	1434.0	859.7	-9.9	849.8
		-19.00	575.2	940.0	1515.3	908.4	-9.9	898.5
		-19.50	562.9	1004.0	1567.0	939.4	-9.9	929.5
		-20.00	689.2	1063.2	1752.4	1050.6	-9.9	1040.7
		-20.50	667.1	1139.8	1806.9	1083.3	-9.9	1073.4
		-21.00	1027.8	1217.6	2245.4	1346.2	-9.9	1336.2
		-21.50	1066.7	1313.6	2380.3	1427.0	-9.9	1417.1
		-22.00	1231.1	1409.6	2640.7	1583.1	-9.9	1573.2
		-22.50	1346.9	1505.6	2852.5	1710.1	-9.9	1700.2
2 - Ontgraven tot	-8.36	-12.50	429.3	83.5	512.8	307.4	-10.9	296.5
		-13.00	418.4	149.8	568.2	340.6	-10.9	329.7
		-13.50	411.7	219.2	630.9	378.2	-10.9	367.3
		-14.00	429.8	281.7	711.4	426.5	-10.9	415.6
		-14.50	453.3	328.9	782.2	469.0	-10.9	458.0
		-15.00	472.3	371.8	844.1	506.0	-10.9	495.1
		-15.50	487.7	423.2	910.9	546.1	-10.9	535.2
		-16.00	482.8	475.6	958.5	574.6	-10.9	563.7
		-16.50	470.2	531.4	1001.5	600.4	-10.9	589.5
		-17.00	470.0	576.4	1046.4	627.3	-10.9	616.4
		-17.50	581.3	622.3	1203.6	721.6	-10.9	710.6
		-18.00	558.0	696.2	1254.3	752.0	-10.9	741.0
		-18.50	642.2	759.3	1401.5	840.2	-10.9	829.3
		-19.00	652.8	833.3	1486.1	890.9	-10.9	880.0
		-19.50	668.4	901.1	1569.5	940.9	-10.9	930.0
		-20.00	657.5	976.8	1634.3	979.8	-10.9	968.9
		-20.50	664.3	1046.9	1711.2	1025.9	-10.9	1015.0
		-21.00	1056.0	1118.5	2174.5	1303.7	-10.9	1292.7
		-21.50	1174.2	1214.5	2388.7	1432.1	-10.9	1421.1
		-22.00	1191.5	1310.5	2502.0	1500.0	-10.9	1489.0
		-22.50	1231.5	1406.5	2638.0	1581.6	-10.9	1570.6
3 - Ontgraven tot	-8.36	-12.50	492.4	94.3	586.8	351.8	-10.6	341.2
		-13.00	479.6	170.2	649.8	389.6	-10.6	379.0
		-13.50	422.5	246.9	669.4	401.3	-10.6	390.8
		-14.00	427.7	312.9	740.6	444.0	-10.6	433.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-14.50	439.9	367.2	807.1	483.9	-10.6	473.3
		-15.00	436.6	410.3	846.9	507.7	-10.6	497.2
		-15.50	436.6	451.1	887.7	532.2	-10.6	521.7
		-16.00	452.3	491.1	943.4	565.6	-10.6	555.0
		-16.50	437.1	539.1	976.2	585.2	-10.6	574.7
		-17.00	476.3	579.5	1055.8	633.0	-10.6	622.4
		-17.50	653.8	632.2	1286.0	771.0	-10.6	760.4
		-18.00	565.3	706.7	1272.0	762.6	-10.6	752.1
		-18.50	492.8	783.4	1276.2	765.1	-10.6	754.6
		-19.00	410.8	856.1	1266.9	759.5	-10.6	749.0
		-19.50	408.0	904.0	1312.1	786.6	-10.6	776.1
		-20.00	380.3	955.3	1335.7	800.8	-10.6	790.2
		-20.50	646.4	992.4	1638.8	982.5	-10.6	971.9
		-21.00	967.7	1076.9	2044.6	1225.8	-10.6	1215.2
		-21.50	1013.8	1172.9	2186.7	1311.0	-10.6	1300.4
		-22.00	1054.0	1268.9	2322.9	1392.6	-10.6	1382.1
		-22.50	1096.3	1364.9	2461.2	1475.5	-10.6	1465.0
4 - Ontgraven tot	-8.36	-12.50	463.5	94.7	558.2	334.7	-10.1	324.5
		-13.00	499.7	171.2	670.9	402.2	-10.1	392.1
		-13.50	553.5	238.5	792.1	474.9	-10.1	464.7
		-14.00	649.5	304.0	953.5	571.6	-10.1	561.5
		-14.50	694.5	375.6	1070.1	641.5	-10.1	631.4
		-15.00	723.3	446.7	1170.0	701.4	-10.1	691.3
		-15.50	718.8	521.3	1240.1	743.5	-10.1	733.3
		-16.00	794.0	598.2	1392.1	834.6	-10.1	824.5
		-16.50	706.0	686.7	1392.7	835.0	-10.1	824.8
		-17.00	593.0	764.9	1357.9	814.1	-10.1	804.0
		-17.50	546.7	833.4	1380.1	827.4	-10.1	817.3
		-18.00	471.5	910.2	1381.7	828.4	-10.1	818.2
		-18.50	436.3	968.3	1404.6	842.1	-10.1	832.0
		-19.00	580.2	1013.8	1594.0	955.6	-10.1	945.5
		-19.50	640.9	1082.9	1723.9	1033.5	-10.1	1023.4
		-20.00	711.9	1156.8	1868.7	1120.3	-10.1	1110.2
		-20.50	994.1	1243.0	2237.1	1341.2	-10.1	1331.1
5 - Ontgraven tot	-8.36	-12.50	499.1	95.9	595.0	356.7	-9.9	346.8
		-13.00	507.1	169.7	676.8	405.7	-9.9	395.8
		-13.50	426.2	241.9	668.0	400.5	-9.9	390.6
		-14.00	423.0	315.6	738.6	442.8	-9.9	432.9
		-14.50	408.6	383.4	792.0	474.8	-9.9	464.9
		-15.00	407.5	423.3	830.8	498.1	-9.9	488.1
		-15.50	507.0	464.9	971.9	582.7	-9.9	572.8
		-16.00	505.2	529.3	1034.4	620.2	-9.9	610.2
		-16.50	473.5	598.2	1071.7	642.5	-9.9	632.6
		-17.00	537.3	647.4	1184.7	710.3	-9.9	700.3
		-17.50	501.2	716.3	1217.5	729.9	-9.9	720.0
		-18.00	478.4	787.4	1265.8	758.9	-9.9	748.9
		-18.50	472.2	837.7	1309.9	785.3	-9.9	775.4
		-19.00	473.0	880.9	1353.9	811.7	-9.9	801.7
		-19.50	488.7	924.3	1413.0	847.1	-9.9	837.2
		-20.00	613.1	971.5	1584.6	950.0	-9.9	940.1
		-20.50	776.3	1044.4	1820.7	1091.6	-9.9	1081.6
6 - Ontgraven tot	-8.36	-12.50	507.6	91.0	598.6	358.9	-10.8	348.1
		-13.00	525.0	165.8	690.8	414.1	-10.8	403.4
		-13.50	428.5	239.7	668.2	400.6	-10.8	389.8
		-14.00	444.5	310.5	755.0	452.6	-10.8	441.8
		-14.50	436.9	378.2	815.1	488.7	-10.8	477.9
		-15.00	463.0	420.6	883.6	529.7	-10.8	519.0
		-15.50	524.9	476.3	1001.3	600.3	-10.8	589.5
		-16.00	500.1	547.3	1047.4	627.9	-10.8	617.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-16.50	493.9	611.0	1104.8	662.4	-10.8	651.6
		-17.00	473.7	669.2	1142.9	685.2	-10.8	674.4
		-17.50	541.9	715.5	1257.5	753.9	-10.8	743.1
		-18.00	589.0	777.2	1366.2	819.1	-10.8	808.3
		-18.50	648.6	838.6	1487.2	891.6	-10.8	880.8
		-19.00	726.4	910.8	1637.2	981.5	-10.8	970.7
		-19.50	749.2	987.6	1736.7	1041.2	-10.8	1030.4
		-20.00	1114.3	1062.3	2176.6	1304.9	-10.8	1294.1
		-20.50	1168.6	1158.1	2326.7	1394.9	-10.8	1384.1
		-21.00	1270.0	1254.1	2524.2	1513.3	-10.8	1502.5
		-21.50	1279.9	1350.1	2630.1	1576.8	-10.8	1566.0
		-22.00	1319.0	1446.1	2765.1	1657.8	-10.8	1647.0
		-22.50	1296.9	1542.1	2839.1	1702.1	-10.8	1691.3
7 - Ontgraven tot	-8.36	-12.50	516.3	98.9	615.2	368.8	-10.8	358.1
		-13.00	575.6	173.5	749.1	449.1	-10.8	438.3
		-13.50	608.7	250.1	858.8	514.8	-10.8	504.1
		-14.00	564.4	322.8	887.2	531.9	-10.8	521.1
		-14.50	566.2	399.4	965.6	578.9	-10.8	568.1
		-15.00	543.9	468.6	1012.5	607.0	-10.8	596.2
		-15.50	496.8	519.7	1016.4	609.4	-10.8	598.6
		-16.00	481.9	580.8	1062.7	637.1	-10.8	626.3
		-16.50	393.1	653.6	1046.7	627.5	-10.8	616.8
		-17.00	403.9	691.9	1095.8	656.9	-10.8	646.2
		-17.50	374.3	741.5	1115.9	669.0	-10.8	658.2
		-18.00	417.3	787.7	1205.0	722.4	-10.8	711.6
		-18.50	400.1	846.8	1246.9	747.5	-10.8	736.8
		-19.00	398.8	892.0	1290.8	773.8	-10.8	763.1
		-19.50	627.5	946.2	1573.7	943.5	-10.8	932.7
8 - Ontgraven tot	-8.36	-12.50	429.5	92.5	522.0	313.0	-9.9	303.0
		-13.00	443.3	159.5	602.8	361.4	-9.9	351.5
		-13.50	410.7	236.1	646.8	387.8	-9.9	377.8
		-14.00	376.0	297.8	673.8	404.0	-9.9	394.0
		-14.50	359.7	346.1	705.8	423.1	-9.9	413.2
		-15.00	351.0	387.8	738.8	442.9	-9.9	433.0
		-15.50	343.9	423.0	766.9	459.8	-9.9	449.8
		-16.00	372.1	455.6	827.7	496.2	-9.9	486.3
		-16.50	383.6	494.4	878.0	526.4	-9.9	516.4
		-17.00	325.2	545.0	870.2	521.7	-9.9	511.8
		-17.50	301.6	591.3	892.9	535.3	-9.9	525.4
		-18.00	293.1	625.7	918.7	550.8	-9.9	540.9
		-18.50	294.7	653.5	948.3	568.5	-9.9	558.6
		-19.00	338.5	682.5	1021.0	612.1	-9.9	602.2
		-19.50	506.2	719.8	1226.0	735.0	-9.9	725.1
9 - Ontgraven tot	-8.36	-12.50	512.9	93.2	606.1	363.4	-10.6	352.8
		-13.00	520.0	168.5	688.5	412.7	-10.6	402.2
		-13.50	435.1	242.4	677.4	406.1	-10.6	395.6
		-14.00	440.7	316.9	757.6	454.2	-10.6	443.7
		-14.50	421.7	378.2	799.9	479.5	-10.6	469.0
		-15.00	399.5	424.7	824.2	494.1	-10.6	483.6
		-15.50	356.6	468.8	825.4	494.9	-10.6	484.3
		-16.00	338.2	508.1	846.4	507.4	-10.6	496.9
		-16.50	335.0	543.1	878.1	526.4	-10.6	515.9
		-17.00	330.3	576.2	906.5	543.4	-10.6	532.9
		-17.50	340.9	608.9	949.8	569.4	-10.6	558.9
		-18.00	331.4	644.9	976.3	585.3	-10.6	574.7
		-18.50	399.5	675.4	1074.9	644.4	-10.6	633.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
9 - Ontgraven tot	-8.36	-19.00	424.7	722.2	1147.0	687.6	-10.6	677.1
		-19.50	754.0	791.5	1545.4	926.5	-10.6	916.0
		-20.00	768.3	887.5	1655.7	992.7	-10.6	982.1
		-20.50	781.0	981.3	1762.3	1056.5	-10.6	1046.0
		-21.00	1068.2	1071.0	2139.2	1282.5	-10.6	1271.9
		-21.50	1286.3	1167.0	2453.3	1470.8	-10.6	1460.2
		-22.00	1358.0	1263.0	2620.9	1571.3	-10.6	1560.8
		-22.50	1349.5	1359.0	2708.5	1623.8	-10.6	1613.2
10 - Ontgraven tot	-8.36	-12.50	412.3	79.2	491.5	294.7	-10.6	284.1
		-13.00	445.0	149.6	594.6	356.5	-10.6	345.9
		-13.50	470.7	220.4	691.1	414.3	-10.6	403.8
		-14.00	524.2	273.2	797.5	478.1	-10.6	467.5
		-14.50	560.1	334.2	894.3	536.1	-10.6	525.6
		-15.00	454.3	401.3	855.6	513.0	-10.6	502.4
		-15.50	441.1	464.6	905.7	543.0	-10.6	532.4
		-16.00	411.2	521.0	932.2	558.9	-10.6	548.3
		-16.50	473.9	561.0	1034.9	620.4	-10.6	609.9
		-17.00	455.0	625.9	1081.0	648.1	-10.6	637.5
		-17.50	478.4	670.9	1149.3	689.0	-10.6	678.4
		-18.00	649.7	730.0	1379.8	827.2	-10.6	816.7
		-18.50	555.2	806.8	1362.0	816.6	-10.6	806.0
		-19.00	486.8	875.9	1362.8	817.0	-10.6	806.4
		-19.50	551.5	921.3	1472.9	883.0	-10.6	872.5
		-20.00	612.9	980.3	1593.3	955.2	-10.6	944.6
		-20.50	668.6	1048.5	1717.1	1029.4	-10.6	1018.9
		-21.00	802.6	1118.8	1921.3	1151.9	-10.6	1141.3
		-21.50	1131.7	1210.0	2341.7	1403.9	-10.6	1393.3
		-22.00	1372.6	1306.0	2678.5	1605.8	-10.6	1595.3
		-22.50	1305.1	1402.0	2707.0	1622.9	-10.6	1612.4
11 - Ontgraven tot	-8.36	-12.50	406.4	67.9	474.3	284.4	-10.6	273.8
		-13.00	386.5	135.4	521.9	312.9	-10.6	302.3
		-13.50	345.3	211.5	556.8	333.8	-10.6	323.2
		-14.00	356.8	267.9	624.7	374.5	-10.6	364.0
		-14.50	354.9	317.1	672.0	402.8	-10.6	392.3
		-15.00	377.1	350.2	727.3	436.0	-10.6	425.5
		-15.50	675.9	393.9	1069.7	641.3	-10.6	630.8
		-16.00	623.5	469.9	1093.4	655.5	-10.6	644.9
		-16.50	606.9	546.7	1153.6	691.6	-10.6	681.1
		-17.00	567.6	621.2	1188.8	712.7	-10.6	702.2
		-17.50	504.6	687.8	1192.4	714.9	-10.6	704.3
		-18.00	476.6	762.2	1238.8	742.7	-10.6	732.1
		-18.50	457.0	817.4	1274.4	764.1	-10.6	753.5
		-19.00	488.9	860.7	1349.6	809.1	-10.6	798.5
		-19.50	599.5	910.7	1510.2	905.4	-10.6	894.9
		-20.00	1182.7	986.7	2169.3	1300.6	-10.6	1290.0
		-20.50	1359.7	1082.7	2442.4	1464.2	-10.6	1453.7
		-21.00	1398.5	1178.7	2577.2	1545.1	-10.6	1534.5
		-21.50	1295.5	1274.7	2570.1	1540.8	-10.6	1530.3
		-22.00	1291.9	1370.7	2662.6	1596.3	-10.6	1585.7
		-22.50	1317.8	1466.7	2784.5	1669.4	-10.6	1658.8
12 - Ontgraven tot	-8.36	-12.50	490.2	83.3	573.4	343.8	-9.9	333.9
		-13.00	492.0	157.1	649.1	389.1	-9.9	379.2
		-13.50	497.6	233.9	731.5	438.6	-9.9	428.6
		-14.00	527.3	303.7	831.0	498.2	-9.9	488.3
		-14.50	558.0	360.5	918.6	550.7	-9.9	540.8
		-15.00	646.1	422.8	1068.9	640.8	-9.9	630.9
		-15.50	572.7	499.6	1072.3	642.9	-9.9	632.9
		-16.00	526.1	560.4	1086.5	651.4	-9.9	641.4
		-16.50	516.9	624.2	1141.2	684.2	-9.9	674.2
		-17.00	476.0	684.5	1160.5	695.7	-9.9	685.8
		-17.50	481.7	730.5	1212.2	726.7	-9.9	716.8
		-18.00	450.3	789.4	1239.7	743.2	-9.9	733.3
		-18.50	542.0	836.0	1378.0	826.1	-9.9	816.2
		-19.00	574.9	899.0	1473.9	883.7	-9.9	873.7
		-19.50	638.8	966.0	1604.8	962.1	-9.9	952.2
		-20.00	682.8	1037.2	1720.0	1031.2	-9.9	1021.2
		-20.50	700.6	1111.9	1812.4	1086.6	-9.9	1076.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12 - Ontgraven tot	-8.36	-21.00	756.7	1182.9	1939.6	1162.8	-9.9	1152.9
		-21.50	786.8	1259.6	2046.3	1226.8	-9.9	1216.9
		-22.00	1025.3	1345.7	2371.0	1421.5	-9.9	1411.6
		-22.50	1042.4	1441.7	2484.2	1489.3	-9.9	1479.4
13 - Ontgraven tot	-8.36	-12.50	399.3	89.4	488.7	293.0	-9.9	283.0
		-13.00	358.7	165.0	523.7	314.0	-9.9	304.0
		-13.50	369.4	234.0	603.4	361.8	-9.9	351.8
		-14.00	388.9	284.5	673.4	403.7	-9.9	393.8
		-14.50	448.9	328.5	777.5	466.1	-9.9	456.2
		-15.00	451.0	378.5	829.5	497.3	-9.9	487.4
		-15.50	570.2	428.9	999.2	599.0	-9.9	589.1
		-16.00	590.9	498.7	1089.6	653.2	-9.9	643.3
		-16.50	586.6	570.3	1157.0	693.6	-9.9	683.7
		-17.00	616.1	632.1	1248.2	748.3	-9.9	738.4
		-17.50	611.8	705.4	1317.2	789.7	-9.9	779.8
		-18.00	613.2	767.9	1381.1	828.0	-9.9	818.1
		-18.50	661.4	824.5	1485.9	890.8	-9.9	880.9
		-19.00	762.4	890.9	1653.3	991.2	-9.9	981.3
		-19.50	761.0	967.7	1728.7	1036.4	-9.9	1026.5
		-20.00	778.9	1043.9	1822.8	1092.8	-9.9	1082.8
		-20.50	837.8	1121.9	1959.7	1174.9	-9.9	1164.9
		-21.00	850.9	1201.4	2052.3	1230.4	-9.9	1220.5
		-21.50	1031.4	1282.7	2314.1	1387.4	-9.9	1377.4
		-22.00	1399.2	1378.3	2777.5	1665.2	-9.9	1655.2
		-22.50	1448.4	1474.3	2922.7	1752.2	-9.9	1742.3
14 - Ontgraven tot	-8.36	-12.50	394.3	96.6	491.0	294.3	-9.9	284.4
		-13.00	416.3	172.7	589.0	353.1	-9.9	343.2
		-13.50	407.2	245.4	652.6	391.2	-9.9	381.3
		-14.00	438.5	296.1	734.6	440.4	-9.9	430.5
		-14.50	431.3	351.9	783.2	469.5	-9.9	459.6
		-15.00	480.7	401.2	881.9	528.7	-9.9	518.8
		-15.50	644.3	454.3	1098.6	658.6	-9.9	648.7
		-16.00	627.2	529.9	1157.0	693.7	-9.9	683.7
		-16.50	568.2	606.4	1174.6	704.2	-9.9	694.3
		-17.00	616.9	664.1	1281.0	768.0	-9.9	758.1
		-17.50	636.6	729.7	1366.3	819.1	-9.9	809.2
		-18.00	631.1	798.5	1429.7	857.1	-9.9	847.2
		-18.50	755.0	864.9	1619.9	971.2	-9.9	961.2
		-19.00	281.8	952.0	1233.7	739.7	-9.9	729.7
		-19.50	251.8	1039.0	1290.8	773.9	-9.9	763.9
		-20.00	148.9	1116.4	1265.3	758.6	-9.9	748.6
		-20.50	321.7	1162.4	1484.1	889.7	-9.9	879.8
		-21.00	374.6	1224.1	1598.7	958.5	-9.9	948.5
		-21.50	376.4	1299.1	1675.6	1004.5	-9.9	994.6
		-22.00	397.7	1353.3	1751.0	1049.8	-9.9	1039.9
		-22.50	963.7	1419.5	2383.2	1428.8	-9.9	1418.8
15 - Ontgraven tot	-8.36	-12.50	452.6	135.7	588.3	352.7	-8.4	344.3
		-13.00	450.6	211.1	661.7	396.7	-8.4	388.3
		-13.50	494.1	267.6	761.8	456.7	-8.4	448.3
		-14.00	496.7	334.0	830.7	498.0	-8.4	489.6
		-14.50	567.8	390.5	958.3	574.5	-8.4	566.1
		-15.00	547.9	461.2	1009.1	605.0	-8.4	596.6
		-15.50	552.7	517.9	1070.6	641.9	-8.4	633.4
		-16.00	730.5	580.9	1311.4	786.2	-8.4	777.8
		-16.50	822.6	658.2	1480.9	887.8	-8.4	879.4
		-17.00	701.0	741.7	1442.7	864.9	-8.4	856.5
		-17.50	616.5	825.8	1442.4	864.7	-8.4	856.3
		-18.00	590.5	910.4	1500.9	899.8	-8.4	891.4
		-18.50	527.5	985.1	1512.7	906.9	-8.4	898.5
		-19.00	596.8	1038.9	1635.7	980.6	-8.4	972.2
		-19.50	580.9	1112.8	1693.8	1015.4	-8.4	1007.0
		-20.00	579.2	1178.1	1757.3	1053.5	-8.4	1045.1
		-20.50	504.2	1238.0	1742.2	1044.5	-8.4	1036.1
		-21.00	491.5	1307.5	1799.1	1078.6	-8.4	1070.2
		-21.50	430.5	1370.5	1801.0	1079.7	-8.4	1071.3
		-22.00	854.0	1413.8	2267.7	1359.6	-8.4	1351.1
		-22.50	1058.0	1508.8	2566.9	1538.9	-8.4	1530.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-12.50	417.4	111.8	529.2	317.3	-8.5	308.7
		-13.00	366.5	188.6	555.1	332.8	-8.5	324.3
		-13.50	388.1	247.8	635.9	381.2	-8.5	372.7
		-14.00	404.3	301.0	705.3	422.9	-8.5	414.3
		-14.50	434.2	344.4	778.6	466.8	-8.5	458.3
		-15.00	442.3	388.9	831.3	498.4	-8.5	489.8
		-15.50	606.2	440.9	1047.1	627.7	-8.5	619.2
		-16.00	683.3	513.7	1196.9	717.6	-8.5	709.0
		-16.50	605.0	589.9	1195.0	716.4	-8.5	707.9
		-17.00	536.3	666.7	1203.1	721.3	-8.5	712.7
		-17.50	504.2	741.7	1245.8	746.9	-8.5	738.4
		-18.00	529.2	789.9	1319.2	790.9	-8.5	782.4
		-18.50	751.3	845.8	1597.2	957.5	-8.5	949.0
		-19.00	722.0	926.8	1648.8	988.5	-8.5	980.0
		-19.50	735.4	1009.4	1744.8	1046.1	-8.5	1037.5
		-20.00	704.5	1091.0	1795.6	1076.5	-8.5	1067.9
		-20.50	710.8	1164.9	1875.7	1124.5	-8.5	1116.0
		-21.00	709.1	1239.1	1948.2	1168.0	-8.5	1159.5
		-21.50	1406.1	1320.2	2726.2	1634.4	-8.5	1625.9
		-22.00	1161.0	1416.2	2577.2	1545.1	-8.5	1536.5
		-22.50	700.3	1512.2	2212.5	1326.4	-8.5	1317.9
17 - Ontgraven tot	-8.36	-12.50	450.9	104.6	555.6	333.1	-9.3	323.7
		-13.00	461.5	178.7	640.3	383.8	-9.3	374.5
		-13.50	442.5	251.3	693.9	416.0	-9.3	406.7
		-14.00	470.3	313.0	783.3	469.6	-9.3	460.3
		-14.50	476.9	369.0	845.9	507.1	-9.3	497.8
		-15.00	526.5	421.1	947.6	568.1	-9.3	558.8
		-15.50	625.4	478.8	1104.2	662.0	-9.3	652.7
		-16.00	685.0	550.2	1235.2	740.5	-9.3	731.2
		-16.50	702.3	626.2	1328.4	796.4	-9.3	787.1
		-17.00	772.6	704.8	1477.4	885.7	-9.3	876.4
		-17.50	796.6	788.4	1585.0	950.2	-9.3	940.9
		-18.00	806.1	869.1	1675.3	1004.4	-9.3	995.0
		-18.50	934.5	944.8	1879.2	1126.6	-9.3	1117.3
		-19.00	869.7	1022.0	1891.7	1134.1	-9.3	1124.8
		-19.50	939.6	1099.2	2038.8	1222.3	-9.3	1213.0
		-20.00	914.0	1176.4	2090.4	1253.2	-9.3	1243.9
		-20.50	917.0	1252.5	2169.5	1300.7	-9.3	1291.3
		-21.00	1202.1	1334.6	2536.7	1520.8	-9.3	1511.5
		-21.50	1452.1	1429.4	2881.5	1727.5	-9.3	1718.2
		-22.00	1536.0	1525.4	3061.4	1835.4	-9.3	1826.0
		-22.50	1536.0	1621.4	3157.4	1892.9	-9.3	1883.6
18 - Ontgraven tot	-8.36	-12.50	450.3	91.2	541.5	324.6	-9.9	314.7
		-13.00	428.6	162.4	591.0	354.3	-9.9	344.4
		-13.50	453.6	238.1	691.6	414.7	-9.9	404.7
		-14.00	442.8	303.5	746.3	447.4	-9.9	437.5
		-14.50	387.8	350.6	738.4	442.7	-9.9	432.7
		-15.00	366.6	406.5	773.1	463.5	-9.9	453.6
		-15.50	347.8	454.2	802.0	480.8	-9.9	470.9
		-16.00	353.5	487.9	841.4	504.4	-9.9	494.5
		-16.50	425.2	523.8	949.0	568.9	-9.9	559.0
		-17.00	621.2	574.6	1195.8	716.9	-9.9	707.0
		-17.50	752.2	660.4	1412.6	846.9	-9.9	837.0
		-18.00	673.0	756.4	1429.4	857.0	-9.9	847.0
		-18.50	575.0	852.4	1427.5	855.8	-9.9	845.9
		-19.00	520.5	934.2	1454.6	872.1	-9.9	862.1
		-19.50	638.4	998.8	1637.3	981.6	-9.9	971.6
		-20.00	584.7	1074.5	1659.3	994.8	-9.9	984.8
		-20.50	672.2	1141.2	1813.4	1087.2	-9.9	1077.3
		-21.00	838.4	1217.4	2055.8	1232.5	-9.9	1222.5
		-21.50	858.2	1306.6	2164.8	1297.8	-9.9	1287.9
		-22.00	871.4	1395.8	2267.2	1359.2	-9.9	1349.3
		-22.50	1253.0	1487.1	2740.0	1642.7	-9.9	1632.8
19 - Ontgraven tot	-8.36	-12.50	438.5	124.2	562.7	337.3	-9.3	328.0
		-13.00	451.3	201.0	652.3	391.1	-9.3	381.8
		-13.50	474.7	262.2	736.9	441.8	-9.3	432.5
		-14.00	508.8	315.9	824.6	494.4	-9.3	485.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	maai veld paalpunt			Bezwijk draagvermogen			Rekenwaarden		
			$R_{b;cal}$	$R_{s;cal}$	$R_{c;cal}$	$R_{c;d}$	$F_{hk;d}$	$R_{c;netto;d}$			
			[kN]	[kN]	[kN]	[kN]	[kN]	[kN]			
19 - Ontgraven tot	-8.36	-14.50	509.2	384.7	893.9	535.9	-9.3	526.6			
		-15.00	514.6	440.1	954.6	572.3	-9.3	563.0			
		-15.50	534.0	502.5	1036.5	621.4	-9.3	612.1			
		-16.00	497.8	564.0	1061.7	636.5	-9.3	627.2			
		-16.50	488.7	620.1	1108.8	664.7	-9.3	655.4			
		-17.00	486.0	671.0	1157.0	693.6	-9.3	684.3			
		-17.50	993.1	728.4	1721.5	1032.1	-9.3	1022.8			
		-18.00	1027.4	824.4	1851.7	1110.2	-9.3	1100.8			
		-18.50	886.1	920.4	1806.5	1083.1	-9.3	1073.7			
		-19.00	779.0	1016.4	1795.4	1076.4	-9.3	1067.1			
		-19.50	642.7	1106.7	1749.3	1048.8	-9.3	1039.4			
		-20.00	772.3	1174.7	1947.0	1167.3	-9.3	1158.0			
		-20.50	696.7	1251.4	1948.1	1167.9	-9.3	1158.6			
		-21.00	943.0	1331.4	2274.4	1363.6	-9.3	1354.2			
		-21.50	948.9	1427.4	2376.3	1424.6	-9.3	1415.3			
		-22.00	1228.7	1522.5	2751.2	1649.4	-9.3	1640.1			
		-22.50	1176.9	1618.5	2795.4	1675.9	-9.3	1666.6			



SAMENVATTINGSTABEL 350p o (n=1)

Uitgangspunten

- paal : 350p
 - paaltype : Geheide paal (beton)
 - schachtafmeting : 350 x 350
 Paalklassefactor α_p : 0.70
 Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigeld draagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{hk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	569.5	106.8	676.3	405.5	-10.9	394.6
		-13.00	560.3	185.8	746.1	447.3	-10.9	436.4
		-13.50	596.7	269.8	866.5	519.5	-10.9	508.6
		-14.00	610.1	353.1	963.2	577.5	-10.9	566.6
		-14.50	529.8	413.7	943.5	565.7	-10.9	554.8
		-15.00	519.5	483.6	1003.1	601.4	-10.9	590.5
		-15.50	486.6	555.2	1041.8	624.6	-10.9	613.7
		-16.00	475.2	600.5	1075.7	644.9	-10.9	634.0
		-16.50	592.9	641.8	1234.7	740.2	-10.9	729.4
		-17.00	682.0	701.8	1383.8	829.6	-10.9	818.8
		-17.50	762.3	777.4	1539.6	923.0	-10.9	912.2
		-18.00	724.2	871.2	1595.4	956.5	-10.9	945.6
		-18.50	654.6	964.9	1619.5	970.9	-10.9	960.0
		-19.00	681.2	1028.2	1709.4	1024.8	-10.9	1014.0
		-19.50	670.5	1098.1	1768.7	1060.3	-10.9	1049.5
		-20.00	823.7	1162.9	1986.7	1191.0	-10.9	1180.2
		-20.50	798.8	1246.7	2045.4	1226.3	-10.9	1215.4
		-21.00	1224.0	1331.7	2555.7	1532.2	-10.9	1521.3
		-21.50	1264.7	1436.7	2701.4	1619.5	-10.9	1608.7
		-22.00	1453.5	1541.7	2995.2	1795.7	-10.9	1784.8
		-22.50	1602.0	1646.7	3248.7	1947.7	-10.9	1936.8
2 - Ontgraven tot	-8.36	-12.50	483.8	91.3	575.1	344.8	-12.0	332.8
		-13.00	482.1	163.8	645.9	387.2	-12.0	375.3
		-13.50	474.4	239.7	714.1	428.1	-12.0	416.2
		-14.00	496.0	308.1	804.1	482.1	-12.0	470.1
		-14.50	528.8	359.8	888.6	532.7	-12.0	520.7
		-15.00	572.4	406.6	979.0	586.9	-12.0	575.0
		-15.50	580.3	462.8	1043.1	625.4	-12.0	613.4
		-16.00	577.4	520.2	1097.7	658.1	-12.0	646.1
		-16.50	562.2	581.2	1143.3	685.5	-12.0	673.5
		-17.00	563.2	630.4	1193.6	715.6	-12.0	703.6
		-17.50	694.5	680.6	1375.1	824.4	-12.0	812.5
		-18.00	665.8	761.5	1427.4	855.7	-12.0	843.8
		-18.50	766.4	830.4	1596.8	957.3	-12.0	945.4
		-19.00	777.0	911.4	1688.5	1012.3	-12.0	1000.3
		-19.50	794.1	985.6	1779.7	1067.0	-12.0	1055.0
		-20.00	792.3	1068.4	1860.7	1115.5	-12.0	1103.5
		-20.50	791.1	1145.1	1936.2	1160.8	-12.0	1148.8
		-21.00	1271.1	1223.3	2494.5	1495.5	-12.0	1483.5
		-21.50	1389.2	1328.3	2717.6	1629.2	-12.0	1617.3
		-22.00	1412.9	1433.3	2846.3	1706.4	-12.0	1694.4
		-22.50	1455.3	1538.3	2993.6	1794.7	-12.0	1782.8
3 - Ontgraven tot	-8.36	-12.50	569.3	103.2	672.5	403.2	-11.5	391.6
		-13.00	538.0	186.1	724.1	434.1	-11.5	422.6
		-13.50	485.9	270.0	756.0	453.2	-11.5	441.7
		-14.00	491.9	342.2	834.1	500.1	-11.5	488.5
		-14.50	513.8	401.6	915.4	548.8	-11.5	537.3
		-15.00	523.2	448.8	972.0	582.7	-11.5	571.2
		-15.50	522.3	493.4	1015.7	608.9	-11.5	597.4
		-16.00	541.0	537.1	1078.2	646.4	-11.5	634.8
		-16.50	523.4	589.6	1113.1	667.3	-11.5	655.8
		-17.00	574.0	633.8	1207.8	724.1	-11.5	712.6
		-17.50	751.1	691.5	1442.5	864.8	-11.5	853.3
		-18.00	671.8	773.0	1444.8	866.2	-11.5	854.7
		-18.50	556.7	856.9	1413.6	847.5	-11.5	835.9
		-19.00	491.8	936.3	1428.1	856.2	-11.5	844.6
		-19.50	488.1	988.8	1476.9	885.4	-11.5	873.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	454.8	1044.9	1499.7	899.1	-11.5	887.6
		-20.50	773.1	1085.4	1858.4	1114.2	-11.5	1102.6
		-21.00	1134.7	1177.9	2312.6	1386.5	-11.5	1374.9
		-21.50	1199.9	1282.9	2482.8	1488.5	-11.5	1476.9
		-22.00	1240.6	1387.9	2628.5	1575.8	-11.5	1564.3
		-22.50	1298.6	1492.9	2791.5	1673.5	-11.5	1662.0
4 - Ontgraven tot	-8.36	-12.50	545.1	103.6	648.7	388.9	-11.1	377.8
		-13.00	582.7	187.3	770.0	461.6	-11.1	450.5
		-13.50	643.9	260.9	904.9	542.5	-11.1	531.4
		-14.00	750.0	332.5	1082.4	648.9	-11.1	637.9
		-14.50	811.1	410.9	1221.9	732.6	-11.1	721.5
		-15.00	853.4	488.6	1342.0	804.6	-11.1	793.5
		-15.50	864.3	570.1	1434.5	860.0	-11.1	848.9
		-16.00	955.2	654.2	1609.4	964.9	-11.1	953.8
		-16.50	844.6	751.1	1595.7	956.6	-11.1	945.6
		-17.00	675.5	836.6	1512.2	906.6	-11.1	895.5
		-17.50	657.8	911.6	1569.4	940.9	-11.1	929.8
		-18.00	564.0	995.6	1559.6	935.0	-11.1	923.9
		-18.50	523.1	1059.1	1582.1	948.5	-11.1	937.4
		-19.00	693.6	1108.8	1802.4	1080.6	-11.1	1069.5
		-19.50	764.5	1184.5	1948.9	1168.4	-11.1	1157.3
		-20.00	878.8	1265.3	2144.1	1285.4	-11.1	1274.3
		-20.50	1184.5	1359.5	2544.0	1525.2	-11.1	1514.1
		-21.00	1219.2	1464.5	2683.7	1608.9	-11.1	1597.9
		-21.50	1237.3	1569.5	2806.9	1682.8	-11.1	1671.7
		-22.00	1197.3	1674.5	2871.8	1721.7	-11.1	1710.6
		-22.50	1256.2	1778.7	3034.9	1819.5	-11.1	1808.4
5 - Ontgraven tot	-8.36	-12.50	591.4	104.9	696.3	417.4	-10.9	406.6
		-13.00	535.9	185.6	721.5	432.6	-10.9	421.7
		-13.50	486.3	264.5	750.9	450.2	-10.9	439.3
		-14.00	488.9	345.2	834.1	500.1	-10.9	489.2
		-14.50	482.3	419.3	901.6	540.5	-10.9	529.7
		-15.00	487.4	463.0	950.4	569.8	-10.9	559.0
		-15.50	606.2	508.5	1114.7	668.3	-10.9	657.4
		-16.00	603.1	578.9	1182.0	708.6	-10.9	697.8
		-16.50	564.7	654.2	1218.9	730.8	-10.9	719.9
		-17.00	629.2	708.1	1337.3	801.8	-10.9	790.9
		-17.50	590.9	783.4	1374.3	823.9	-10.9	813.1
		-18.00	569.5	861.2	1430.7	857.7	-10.9	846.9
		-18.50	564.7	916.2	1481.0	887.9	-10.9	877.0
		-19.00	566.2	963.5	1529.7	917.1	-10.9	906.2
		-19.50	584.7	1011.0	1595.6	956.6	-10.9	945.7
		-20.00	733.8	1062.5	1796.4	1077.0	-10.9	1066.1
		-20.50	941.5	1142.3	2083.7	1249.2	-10.9	1238.4
		-21.00	1509.4	1242.5	2751.9	1649.8	-10.9	1639.0
		-21.50	1510.2	1347.5	2857.7	1713.3	-10.9	1702.4
		-22.00	1541.7	1452.5	2994.2	1795.1	-10.9	1784.2
		-22.50	1613.0	1557.5	3170.5	1900.8	-10.9	1889.9
6 - Ontgraven tot	-8.36	-12.50	567.8	99.6	667.4	400.1	-11.8	388.3
		-13.00	555.5	181.3	736.8	441.7	-11.8	429.9
		-13.50	492.6	262.2	754.8	452.5	-11.8	440.7
		-14.00	514.2	339.6	853.8	511.9	-11.8	500.1
		-14.50	511.5	413.7	925.2	554.7	-11.8	542.9
		-15.00	557.9	460.0	1017.9	610.2	-11.8	598.5
		-15.50	614.5	521.0	1135.4	680.7	-11.8	668.9
		-16.00	597.5	598.6	1196.0	717.0	-11.8	705.3
		-16.50	589.4	668.2	1257.6	754.0	-11.8	742.2
		-17.00	564.9	731.9	1296.8	777.5	-11.8	765.7
		-17.50	646.5	782.6	1429.1	856.8	-11.8	845.0
		-18.00	701.5	850.0	1551.5	930.2	-11.8	918.4
		-18.50	777.1	917.3	1694.4	1015.8	-11.8	1004.0
		-19.00	863.6	996.2	1859.7	1115.0	-11.8	1103.2
		-19.50	888.4	1080.2	1968.6	1180.2	-11.8	1168.4
		-20.00	1322.8	1161.9	2484.6	1489.6	-11.8	1477.8
		-20.50	1384.7	1266.7	2651.4	1589.6	-11.8	1577.8
		-21.00	1515.4	1371.7	2887.1	1730.9	-11.8	1719.1
		-21.50	1513.5	1476.7	2990.2	1792.7	-11.8	1780.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1557.9	1581.7	3139.6	1882.2	-11.8	1870.5
		-22.50	1526.5	1686.7	3213.2	1926.4	-11.8	1914.6
7 - Ontgraven tot	-8.36	-12.50	609.1	108.2	717.3	430.0	-11.8	418.2
		-13.00	672.1	189.7	861.8	516.7	-11.8	504.9
		-13.50	674.9	273.5	948.4	568.6	-11.8	556.8
		-14.00	649.4	353.0	1002.4	601.0	-11.8	589.2
		-14.50	662.0	436.8	1098.8	658.8	-11.8	647.0
		-15.00	626.4	512.5	1138.9	682.8	-11.8	671.0
		-15.50	594.3	568.4	1162.7	697.0	-11.8	685.3
		-16.00	544.6	635.3	1179.9	707.4	-11.8	695.6
		-16.50	470.3	714.9	1185.2	710.5	-11.8	698.7
		-17.00	483.2	756.7	1239.9	743.4	-11.8	731.6
		-17.50	450.7	811.1	1261.8	756.5	-11.8	744.7
		-18.00	499.2	861.5	1360.6	815.7	-11.8	804.0
		-18.50	478.4	926.1	1404.5	842.0	-11.8	830.3
		-19.00	487.1	975.6	1462.7	876.9	-11.8	865.1
		-19.50	746.4	1034.9	1781.3	1067.9	-11.8	1056.1
		-20.00	724.3	1118.9	1843.1	1105.0	-11.8	1093.2
		-20.50	666.2	1201.9	1868.1	1120.0	-11.8	1108.2
		-21.00	1066.2	1268.1	2334.3	1399.5	-11.8	1387.7
		-21.50	1267.6	1369.2	2636.8	1580.8	-11.8	1569.0
		-22.00	1502.1	1474.2	2976.3	1784.3	-11.8	1772.6
8 - Ontgraven tot	-8.36	-12.50	509.3	101.2	610.5	366.0	-10.9	355.2
		-13.00	497.8	174.5	672.3	403.0	-10.9	392.2
		-13.50	458.7	258.2	717.0	429.8	-10.9	419.0
		-14.00	418.0	325.7	743.8	445.9	-10.9	435.1
		-14.50	424.4	378.6	802.9	481.4	-10.9	470.5
		-15.00	419.9	424.1	844.1	506.0	-10.9	495.2
		-15.50	412.3	462.6	874.9	524.5	-10.9	513.7
		-16.00	448.0	498.3	946.2	567.3	-10.9	556.4
		-16.50	441.9	540.7	982.6	589.1	-10.9	578.2
		-17.00	377.4	596.1	973.5	583.6	-10.9	572.8
		-17.50	360.8	646.8	1007.6	604.1	-10.9	593.2
		-18.00	350.6	684.3	1034.9	620.5	-10.9	609.6
		-18.50	354.1	714.8	1068.9	640.8	-10.9	629.9
		-19.00	405.7	746.5	1152.2	690.8	-10.9	679.9
		-19.50	613.8	787.3	1401.1	840.0	-10.9	829.1
		-20.00	878.0	868.3	1746.2	1046.9	-10.9	1036.0
		-20.50	1127.8	969.0	2096.9	1257.1	-10.9	1246.2
		-21.00	1367.7	1074.0	2441.8	1463.9	-10.9	1453.0
		-21.50	1476.1	1179.0	2655.2	1591.8	-10.9	1581.0
		-22.00	1494.0	1284.0	2778.0	1665.5	-10.9	1654.6
		-22.50	1817.1	1389.0	3206.2	1922.2	-10.9	1911.3
9 - Ontgraven tot	-8.36	-12.50	574.1	101.9	676.0	405.3	-11.5	393.7
		-13.00	571.4	184.3	755.6	453.0	-11.5	441.5
		-13.50	503.1	265.1	768.2	460.6	-11.5	449.0
		-14.00	506.3	346.6	852.9	511.3	-11.5	499.8
		-14.50	482.8	413.6	896.4	537.4	-11.5	525.9
		-15.00	476.5	464.5	941.0	564.2	-11.5	552.6
		-15.50	411.3	512.7	924.1	554.0	-11.5	542.5
		-16.00	404.6	555.8	960.4	575.8	-11.5	564.2
		-16.50	400.8	594.0	994.7	596.4	-11.5	584.8
		-17.00	396.3	630.2	1026.5	615.4	-11.5	603.9
		-17.50	407.8	665.9	1073.8	643.7	-11.5	632.2
		-18.00	396.5	705.3	1101.9	660.6	-11.5	649.0
		-18.50	475.2	738.7	1213.9	727.8	-11.5	716.2
		-19.00	529.1	789.9	1319.0	790.8	-11.5	779.2
		-19.50	897.5	865.7	1763.2	1057.1	-11.5	1045.5
		-20.00	909.3	970.7	1880.0	1127.1	-11.5	1115.6
		-20.50	923.1	1073.3	1996.4	1196.9	-11.5	1185.3
		-21.00	1261.6	1171.4	2432.9	1458.6	-11.5	1447.1
		-21.50	1510.4	1276.4	2786.7	1670.7	-11.5	1659.2
		-22.00	1590.1	1381.4	2971.4	1781.4	-11.5	1769.9
		-22.50	1600.0	1486.4	3086.4	1850.3	-11.5	1838.8
10 - Ontgraven tot	-8.36	-12.50	478.7	86.6	565.3	338.9	-11.5	327.4
		-13.00	519.4	163.6	683.0	409.5	-11.5	397.9
		-13.50	545.7	241.0	786.7	471.6	-11.5	460.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
10 - Ontgraven tot	-8.36	-14.00	606.8	298.8	905.6	542.9	-11.5	531.4
		-14.50	585.1	365.5	950.6	569.9	-11.5	558.4
		-15.00	543.2	438.9	982.1	588.8	-11.5	577.2
		-15.50	527.7	508.2	1035.8	621.0	-11.5	609.5
		-16.00	491.9	569.8	1061.8	636.6	-11.5	625.0
		-16.50	566.8	613.5	1180.4	707.6	-11.5	696.1
		-17.00	543.5	684.6	1228.2	736.3	-11.5	724.8
		-17.50	579.1	733.8	1312.9	787.1	-11.5	775.6
		-18.00	758.9	798.5	1557.4	933.7	-11.5	922.1
		-18.50	666.4	882.5	1548.9	928.6	-11.5	917.1
		-19.00	578.7	958.1	1536.8	921.4	-11.5	909.8
		-19.50	659.0	1007.7	1666.7	999.2	-11.5	987.7
		-20.00	731.7	1072.2	1804.0	1081.5	-11.5	1070.0
		-20.50	796.2	1146.8	1942.9	1164.8	-11.5	1153.3
		-21.00	971.5	1223.7	2195.2	1316.1	-11.5	1304.5
		-21.50	1341.2	1323.4	2664.6	1597.5	-11.5	1585.9
		-22.00	1558.1	1428.4	2986.5	1790.5	-11.5	1779.0
		-22.50	1544.1	1533.4	3077.5	1845.0	-11.5	1833.5
11 - Ontgraven tot	-8.36	-12.50	485.1	74.3	559.3	335.3	-11.5	323.8
		-13.00	428.3	148.1	576.3	345.5	-11.5	334.0
		-13.50	397.6	231.3	628.9	377.0	-11.5	365.5
		-14.00	412.6	293.0	705.7	423.1	-11.5	411.5
		-14.50	417.2	346.8	764.0	458.0	-11.5	446.5
		-15.00	452.5	383.0	835.5	500.9	-11.5	489.4
		-15.50	807.3	430.8	1238.1	742.3	-11.5	730.7
		-16.00	740.4	513.9	1254.3	752.0	-11.5	740.5
		-16.50	717.8	597.9	1315.8	788.8	-11.5	777.3
		-17.00	637.5	679.5	1317.0	789.6	-11.5	778.0
		-17.50	600.6	752.3	1352.9	811.1	-11.5	799.5
		-18.00	566.1	833.6	1399.7	839.1	-11.5	827.6
		-18.50	546.7	894.0	1440.8	863.8	-11.5	852.2
		-19.00	584.8	941.4	1526.2	915.0	-11.5	903.4
		-19.50	721.9	996.1	1718.0	1030.0	-11.5	1018.4
		-20.00	1432.3	1079.2	2511.5	1505.7	-11.5	1494.2
		-20.50	1605.8	1184.2	2790.0	1672.6	-11.5	1661.1
		-21.00	1605.5	1289.2	2894.6	1735.4	-11.5	1723.9
		-21.50	1473.3	1394.2	2867.5	1719.1	-11.5	1707.6
		-22.00	1512.4	1499.2	3011.6	1805.5	-11.5	1794.0
		-22.50	1539.7	1604.2	3143.9	1884.8	-11.5	1873.3
12 - Ontgraven tot	-8.36	-12.50	546.1	91.1	637.2	382.0	-10.9	371.1
		-13.00	563.8	171.8	735.7	441.1	-10.9	430.2
		-13.50	578.3	255.8	834.1	500.1	-10.9	489.2
		-14.00	606.9	332.2	939.1	563.0	-10.9	552.2
		-14.50	658.4	394.3	1052.8	631.2	-10.9	620.3
		-15.00	765.4	462.4	1227.8	736.1	-10.9	725.2
		-15.50	653.4	546.4	1199.9	719.3	-10.9	708.5
		-16.00	631.3	612.9	1244.2	745.9	-10.9	735.1
		-16.50	604.9	682.7	1287.6	772.0	-10.9	761.1
		-17.00	569.4	748.7	1318.1	790.2	-10.9	779.4
		-17.50	576.3	799.0	1375.2	824.5	-10.9	813.6
		-18.00	538.9	863.4	1402.3	840.7	-10.9	829.8
		-18.50	648.0	914.3	1562.3	936.6	-10.9	925.8
		-19.00	698.4	983.3	1681.7	1008.2	-10.9	997.3
		-19.50	779.3	1056.6	1835.8	1100.6	-10.9	1089.7
		-20.00	811.1	1134.4	1945.6	1166.4	-10.9	1155.5
		-20.50	829.5	1216.1	2045.6	1226.4	-10.9	1215.5
		-21.00	893.6	1293.8	2187.4	1311.4	-10.9	1300.5
		-21.50	949.5	1377.6	2327.1	1395.2	-10.9	1384.3
		-22.00	1208.9	1471.9	2680.8	1607.2	-10.9	1596.3
		-22.50	1235.7	1576.9	2812.6	1686.2	-10.9	1675.3
13 - Ontgraven tot	-8.36	-12.50	460.2	97.7	558.0	334.5	-10.9	323.7
		-13.00	419.9	180.5	600.4	360.0	-10.9	349.1
		-13.50	428.8	255.9	684.7	410.5	-10.9	399.6
		-14.00	449.6	311.2	760.8	456.1	-10.9	445.2
		-14.50	529.3	359.3	888.6	532.7	-10.9	521.9
		-15.00	540.5	414.0	954.5	572.2	-10.9	561.4
		-15.50	679.6	469.1	1148.7	688.7	-10.9	677.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.00	702.0	545.5	1247.5	747.9	-10.9	737.0
		-16.50	695.7	623.8	1319.5	791.0	-10.9	780.2
		-17.00	726.8	691.3	1418.1	850.2	-10.9	839.3
		-17.50	726.0	771.6	1497.6	897.8	-10.9	887.0
		-18.00	728.2	839.9	1568.1	940.1	-10.9	929.2
		-18.50	793.8	901.8	1695.6	1016.6	-10.9	1005.7
		-19.00	910.8	974.4	1885.2	1130.2	-10.9	1119.4
		-19.50	907.3	1058.4	1965.7	1178.5	-10.9	1167.6
		-20.00	931.5	1141.7	2073.3	1243.0	-10.9	1232.1
		-20.50	995.0	1227.1	2222.1	1332.2	-10.9	1321.3
		-21.00	1008.3	1314.0	2322.4	1392.3	-10.9	1381.4
		-21.50	1234.1	1403.0	2637.1	1581.0	-10.9	1570.1
		-22.00	1665.5	1507.5	3173.1	1902.3	-10.9	1891.5
		-22.50	1717.9	1612.5	3330.4	1996.7	-10.9	1985.8
14 - Ontgraven tot	-8.36	-12.50	456.1	105.7	561.8	336.8	-10.9	325.9
		-13.00	466.1	188.9	654.9	392.6	-10.9	381.8
		-13.50	472.2	268.4	740.6	444.0	-10.9	433.1
		-14.00	506.7	323.9	830.5	497.9	-10.9	487.1
		-14.50	510.2	384.9	895.0	536.6	-10.9	525.7
		-15.00	574.7	438.8	1013.5	607.6	-10.9	596.8
		-15.50	769.5	496.8	1266.4	759.2	-10.9	748.4
		-16.00	739.8	579.5	1319.3	790.9	-10.9	780.1
		-16.50	675.4	663.2	1338.6	802.5	-10.9	791.7
		-17.00	732.0	726.4	1458.3	874.3	-10.9	863.4
		-17.50	759.0	798.1	1557.1	933.5	-10.9	922.7
		-18.00	750.6	873.4	1624.0	973.6	-10.9	962.8
		-18.50	812.7	946.0	1758.7	1054.4	-10.9	1043.5
		-19.00	336.9	1041.2	1378.2	826.2	-10.9	815.4
		-19.50	301.2	1136.4	1437.7	861.9	-10.9	851.0
		-20.00	178.1	1221.0	1399.2	838.8	-10.9	828.0
		-20.50	391.4	1271.4	1662.7	996.8	-10.9	986.0
		-21.00	443.2	1338.9	1782.1	1068.4	-10.9	1057.6
		-21.50	441.9	1420.9	1862.8	1116.8	-10.9	1106.0
		-22.00	471.8	1480.2	1952.0	1170.3	-10.9	1159.4
		-22.50	1134.3	1552.6	2686.9	1610.8	-10.9	1600.0
15 - Ontgraven tot	-8.36	-12.50	499.9	148.4	648.3	388.7	-9.2	379.5
		-13.00	523.3	230.8	754.2	452.2	-9.2	443.0
		-13.50	572.3	292.7	865.0	518.6	-9.2	509.4
		-14.00	582.4	365.3	947.7	568.2	-9.2	559.0
		-14.50	676.4	427.1	1103.6	661.6	-9.2	652.4
		-15.00	654.7	504.4	1159.1	694.9	-9.2	685.7
		-15.50	666.6	566.4	1233.0	739.2	-9.2	730.0
		-16.00	870.8	635.4	1506.2	903.0	-9.2	893.8
		-16.50	977.7	720.0	1697.7	1017.8	-9.2	1008.6
		-17.00	764.3	811.3	1575.6	944.6	-9.2	935.4
		-17.50	739.7	903.2	1643.0	985.0	-9.2	975.8
		-18.00	706.4	995.8	1702.2	1020.5	-9.2	1011.3
		-18.50	635.6	1077.5	1713.1	1027.0	-9.2	1017.8
		-19.00	709.3	1136.3	1845.6	1106.5	-9.2	1097.3
		-19.50	694.6	1217.2	1911.8	1146.1	-9.2	1137.0
		-20.00	673.0	1288.6	1961.5	1176.0	-9.2	1166.8
		-20.50	603.9	1354.0	1957.9	1173.8	-9.2	1164.6
		-21.00	588.0	1430.1	2018.1	1209.9	-9.2	1200.7
		-21.50	515.0	1498.9	2013.9	1207.4	-9.2	1198.2
		-22.00	1043.3	1546.3	2589.6	1552.5	-9.2	1543.3
		-22.50	1257.5	1650.3	2907.7	1743.2	-9.2	1734.0
16 - Ontgraven tot	-8.36	-12.50	488.5	122.3	610.8	366.2	-9.3	356.8
		-13.00	424.3	206.3	630.6	378.1	-9.3	368.7
		-13.50	449.2	271.0	720.2	431.8	-9.3	422.5
		-14.00	467.7	329.2	796.9	477.8	-9.3	468.4
		-14.50	511.9	376.6	888.5	532.7	-9.3	523.4
		-15.00	532.0	425.4	957.4	574.0	-9.3	564.7
		-15.50	727.2	482.3	1209.4	725.1	-9.3	715.8
		-16.00	777.7	561.8	1339.5	803.1	-9.3	793.7
		-16.50	712.5	645.2	1357.7	814.0	-9.3	804.7
		-17.00	637.9	729.2	1367.1	819.6	-9.3	810.3
		-17.50	599.5	811.2	1410.7	845.7	-9.3	836.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	630.8	864.0	1494.8	896.2	-9.3	886.8
		-18.50	843.4	925.1	1768.5	1060.3	-9.3	1050.9
		-19.00	854.4	1013.7	1868.1	1120.0	-9.3	1110.6
		-19.50	839.1	1104.1	1943.1	1164.9	-9.3	1155.6
		-20.00	837.2	1193.3	2030.5	1217.3	-9.3	1208.0
		-20.50	843.0	1274.1	2117.1	1269.3	-9.3	1259.9
		-21.00	854.3	1355.3	2209.5	1324.7	-9.3	1315.3
		-21.50	1676.6	1443.9	3120.5	1870.8	-9.3	1861.5
		-22.00	1316.8	1548.9	2865.8	1718.1	-9.3	1708.8
		-22.50	800.7	1653.9	2454.7	1471.6	-9.3	1462.3
17 - Ontgraven tot	-8.36	-12.50	504.4	114.4	618.9	371.0	-10.2	360.8
		-13.00	530.9	195.5	726.4	435.5	-10.2	425.3
		-13.50	508.6	274.9	783.6	469.8	-10.2	459.6
		-14.00	543.6	342.3	885.9	531.1	-10.2	520.9
		-14.50	566.2	403.6	969.8	581.4	-10.2	571.2
		-15.00	629.9	460.6	1090.4	653.7	-10.2	643.5
		-15.50	748.0	523.7	1271.7	762.4	-10.2	752.2
		-16.00	815.3	601.7	1417.0	849.5	-10.2	839.3
		-16.50	838.4	684.9	1523.3	913.2	-10.2	903.1
		-17.00	914.0	770.9	1684.9	1010.1	-10.2	999.9
		-17.50	939.7	862.3	1802.0	1080.3	-10.2	1070.1
		-18.00	949.3	950.6	1900.0	1139.1	-10.2	1128.9
		-18.50	1111.6	1033.4	2145.0	1285.9	-10.2	1275.7
		-19.00	1039.3	1117.8	2157.1	1293.2	-10.2	1283.0
		-19.50	1123.6	1202.2	2325.8	1394.4	-10.2	1384.2
		-20.00	1093.2	1286.7	2379.8	1426.8	-10.2	1416.6
		-20.50	1096.5	1370.0	2466.5	1478.7	-10.2	1468.5
		-21.00	1482.5	1459.8	2942.3	1764.0	-10.2	1753.8
		-21.50	1728.2	1563.4	3291.6	1973.4	-10.2	1963.2
		-22.00	1837.5	1668.4	3505.9	2101.8	-10.2	2091.7
		-22.50	1837.5	1773.4	3610.9	2164.8	-10.2	2154.6
18 - Ontgraven tot	-8.36	-12.50	484.9	99.7	584.6	350.5	-10.9	339.6
		-13.00	499.7	177.6	677.3	406.1	-10.9	395.2
		-13.50	526.1	260.4	786.5	471.5	-10.9	460.7
		-14.00	485.3	331.9	817.2	489.9	-10.9	479.1
		-14.50	447.8	383.5	831.3	498.4	-10.9	487.5
		-15.00	438.6	444.6	883.2	529.5	-10.9	518.6
		-15.50	416.1	496.8	912.9	547.3	-10.9	536.4
		-16.00	424.8	533.6	958.4	574.6	-10.9	563.7
		-16.50	511.3	572.9	1084.2	650.0	-10.9	639.1
		-17.00	756.2	628.5	1384.6	830.1	-10.9	819.3
		-17.50	824.4	722.4	1546.7	927.3	-10.9	916.4
		-18.00	802.7	827.4	1630.0	977.2	-10.9	966.4
		-18.50	683.6	932.4	1616.0	968.8	-10.9	958.0
		-19.00	639.2	1021.7	1660.9	995.8	-10.9	984.9
		-19.50	762.9	1092.5	1855.4	1112.4	-10.9	1101.5
		-20.00	697.2	1175.3	1872.5	1122.6	-10.9	1111.7
		-20.50	800.4	1248.2	2048.6	1228.2	-10.9	1217.3
		-21.00	995.8	1331.6	2327.4	1395.3	-10.9	1384.4
		-21.50	1014.9	1429.1	2444.0	1465.2	-10.9	1454.4
		-22.00	1028.3	1526.6	2554.9	1531.7	-10.9	1520.9
		-22.50	1490.9	1626.5	3117.4	1868.9	-10.9	1858.1
19 - Ontgraven tot	-8.36	-12.50	516.8	135.9	652.6	391.3	-10.2	381.1
		-13.00	524.5	219.9	744.4	446.3	-10.2	436.1
		-13.50	541.9	286.8	828.7	496.8	-10.2	486.6
		-14.00	587.8	345.5	933.3	559.5	-10.2	549.4
		-14.50	602.4	420.7	1023.1	613.4	-10.2	603.2
		-15.00	628.5	481.3	1109.8	665.4	-10.2	655.2
		-15.50	604.7	549.6	1154.3	692.0	-10.2	681.8
		-16.00	595.5	616.9	1212.3	726.8	-10.2	716.6
		-16.50	584.6	678.2	1262.8	757.1	-10.2	746.9
		-17.00	584.9	733.9	1318.8	790.6	-10.2	780.4
		-17.50	1186.4	796.7	1983.1	1188.9	-10.2	1178.7
		-18.00	1162.7	901.7	2064.4	1237.7	-10.2	1227.5
		-18.50	1054.1	1006.7	2060.7	1235.5	-10.2	1225.3
		-19.00	904.7	1111.7	2016.4	1208.9	-10.2	1198.7
		-19.50	762.0	1210.4	1972.4	1182.5	-10.2	1172.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	915.0	1284.8	2199.8	1318.8	-10.2	1308.7
		-20.50	842.8	1368.7	2211.5	1325.8	-10.2	1315.6
		-21.00	1125.8	1456.2	2581.9	1547.9	-10.2	1537.7
		-21.50	1129.7	1561.2	2690.9	1613.2	-10.2	1603.0
		-22.00	1471.5	1665.3	3136.8	1880.6	-10.2	1870.4
		-22.50	1378.6	1770.3	3148.9	1887.8	-10.2	1877.6

SAMENVATTINGSTABEL 380p o (n=1)

Uitgangspunten

- paal	:	380p
- paaltype	:	Geheide paal (beton)
- schachtafmeting	:	380 x 380
Paalklassefactor α_p	:	0.70
Factor α_s (tabel 7.c EC 7.1)	:	0.010 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor $\xi_{3(n=1)}$	:	1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	625.5	115.9	741.4	444.5	-11.8	432.7
		-13.00	643.9	201.7	845.6	506.9	-11.8	495.1
		-13.50	684.8	292.9	977.7	586.2	-11.8	574.4
		-14.00	621.6	383.4	1004.9	602.5	-11.8	590.7
		-14.50	601.2	449.2	1050.4	629.8	-11.8	618.0
		-15.00	610.5	525.1	1135.6	680.8	-11.8	669.0
		-15.50	573.6	602.8	1176.4	705.2	-11.8	693.5
		-16.00	560.5	651.9	1212.5	726.9	-11.8	715.1
		-16.50	701.5	696.8	1398.3	838.3	-11.8	826.5
		-17.00	806.1	762.0	1568.1	940.1	-11.8	928.3
		-17.50	886.1	844.0	1730.0	1037.2	-11.8	1025.4
		-18.00	833.5	945.8	1779.4	1066.8	-11.8	1055.0
		-18.50	766.1	1047.6	1813.7	1087.3	-11.8	1075.5
		-19.00	796.2	1116.3	1912.5	1146.6	-11.8	1134.8
		-19.50	782.7	1192.3	1974.9	1184.0	-11.8	1172.2
		-20.00	970.3	1262.6	2232.9	1338.7	-11.8	1326.9
		-20.50	944.0	1353.5	2297.5	1377.4	-11.8	1365.6
		-21.00	1437.2	1445.9	2883.1	1728.5	-11.8	1716.7
		-21.50	1482.0	1559.9	3041.8	1823.6	-11.8	1811.8
		-22.00	1693.8	1673.9	3367.7	2019.0	-11.8	2007.2
		-22.50	1861.8	1787.9	3649.7	2188.1	-11.8	2176.3
2 - Ontgraven tot	-8.36	-12.50	537.6	99.1	636.7	381.7	-13.0	368.7
		-13.00	549.4	177.8	727.3	436.0	-13.0	423.0
		-13.50	542.9	260.3	803.2	481.5	-13.0	468.5
		-14.00	566.7	334.5	901.1	540.2	-13.0	527.3
		-14.50	601.8	390.6	992.5	595.0	-13.0	582.0
		-15.00	677.1	441.5	1118.5	670.6	-13.0	657.6
		-15.50	682.0	502.5	1184.5	710.1	-13.0	697.2
		-16.00	680.5	564.8	1245.3	746.6	-13.0	733.6
		-16.50	662.4	631.0	1293.4	775.4	-13.0	762.4
		-17.00	665.3	684.4	1349.7	809.2	-13.0	796.2
		-17.50	817.8	738.9	1556.8	933.3	-13.0	920.3
		-18.00	783.1	826.8	1609.8	965.1	-13.0	952.1
		-18.50	899.5	901.6	1801.2	1079.8	-13.0	1066.8
		-19.00	912.1	989.5	1901.6	1140.1	-13.0	1127.1
		-19.50	930.7	1070.1	2000.8	1199.5	-13.0	1186.5
		-20.00	927.0	1159.9	2086.9	1251.2	-13.0	1238.2
		-20.50	925.5	1243.2	2168.7	1300.2	-13.0	1287.2
		-21.00	1510.0	1328.2	2838.2	1701.6	-13.0	1688.6
		-21.50	1630.5	1442.2	3072.7	1842.1	-13.0	1829.2
		-22.00	1653.2	1556.2	3209.4	1924.1	-13.0	1911.1
		-22.50	1697.5	1670.2	3367.7	2019.0	-13.0	2006.0
3 - Ontgraven tot	-8.36	-12.50	640.5	112.0	752.5	451.2	-12.5	438.6
		-13.00	586.1	202.1	788.2	472.5	-12.5	460.0
		-13.50	544.7	293.2	837.9	502.4	-12.5	489.8
		-14.00	559.4	371.5	930.9	558.1	-12.5	545.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
3 - Ontgraven tot	-8.36	-14.50	585.5	436.1	1021.5	612.4	-12.5	599.9
		-15.00	615.7	487.2	1102.9	661.2	-12.5	648.7
		-15.50	615.7	535.7	1151.4	690.3	-12.5	677.7
		-16.00	637.7	583.2	1220.9	732.0	-12.5	719.4
		-16.50	617.7	640.2	1257.9	754.1	-12.5	741.6
		-17.00	681.9	688.2	1370.1	821.4	-12.5	808.9
		-17.50	817.1	750.7	1567.9	940.0	-12.5	927.4
		-18.00	790.4	839.2	1629.7	977.0	-12.5	964.5
		-18.50	635.1	930.3	1565.4	938.5	-12.5	926.0
		-19.00	579.7	1016.6	1596.2	957.0	-12.5	944.5
		-19.50	575.4	1073.5	1648.9	988.6	-12.5	976.0
		-20.00	536.3	1134.5	1670.8	1001.7	-12.5	989.1
		-20.50	911.0	1178.4	2089.4	1252.7	-12.5	1240.1
		-21.00	1319.2	1278.8	2598.1	1557.6	-12.5	1545.1
		-21.50	1401.6	1392.8	2794.5	1675.3	-12.5	1662.8
		-22.00	1442.4	1506.8	2949.2	1768.1	-12.5	1755.6
		-22.50	1522.0	1620.8	3142.8	1884.2	-12.5	1871.6
4 - Ontgraven tot	-8.36	-12.50	633.2	112.5	745.7	447.0	-12.0	435.0
		-13.00	671.9	203.3	875.2	524.7	-12.0	512.7
		-13.50	738.5	283.3	1021.8	612.6	-12.0	600.6
		-14.00	855.8	361.0	1216.8	729.5	-12.0	717.4
		-14.50	927.0	446.1	1373.1	823.2	-12.0	811.2
		-15.00	988.7	530.5	1519.2	910.8	-12.0	898.8
		-15.50	1025.1	619.0	1644.1	985.7	-12.0	973.6
		-16.00	1126.0	710.3	1836.3	1100.9	-12.0	1088.9
		-16.50	995.5	815.5	1811.1	1085.8	-12.0	1073.7
		-17.00	792.8	908.3	1701.1	1019.9	-12.0	1007.8
		-17.50	775.4	989.7	1765.1	1058.2	-12.0	1046.2
		-18.00	664.8	1080.9	1745.7	1046.6	-12.0	1034.6
		-18.50	618.3	1149.8	1768.2	1060.1	-12.0	1048.0
		-19.00	817.1	1203.9	2020.9	1211.6	-12.0	1199.6
		-19.50	898.9	1286.0	2184.8	1309.9	-12.0	1297.8
		-20.00	1067.3	1373.7	2441.0	1463.4	-12.0	1451.4
		-20.50	1392.2	1476.0	2868.3	1719.6	-12.0	1707.6
		-21.00	1410.5	1590.0	3000.6	1798.9	-12.0	1786.9
		-21.50	1440.3	1704.0	3144.4	1885.1	-12.0	1873.1
5 - Ontgraven tot	-8.36	-12.50	687.5	113.9	801.4	480.4	-11.8	468.6
		-13.00	582.3	201.5	783.8	469.9	-11.8	458.1
		-13.50	553.1	287.2	840.3	503.8	-11.8	492.0
		-14.00	559.3	374.8	934.1	560.0	-11.8	548.2
		-14.50	551.3	455.3	1006.6	603.5	-11.8	591.7
		-15.00	573.8	502.7	1076.5	645.4	-11.8	633.6
		-15.50	714.2	552.1	1266.3	759.2	-11.8	747.4
		-16.00	709.7	628.5	1338.2	802.3	-11.8	790.5
		-16.50	664.2	710.3	1374.5	824.0	-11.8	812.2
		-17.00	731.3	768.8	1500.1	899.3	-11.8	887.5
		-17.50	690.3	850.6	1540.9	923.8	-11.8	912.0
		-18.00	668.6	935.0	1603.6	961.4	-11.8	949.6
		-18.50	662.6	994.8	1657.4	993.6	-11.8	981.8
		-19.00	668.1	1046.1	1714.1	1027.7	-11.8	1015.9
		-19.50	689.3	1097.6	1786.9	1071.3	-11.8	1059.5
		-20.00	866.0	1153.6	2019.6	1210.8	-11.8	1199.0
		-20.50	1128.7	1240.2	2368.9	1420.2	-11.8	1408.4
		-21.00	1769.6	1349.0	3118.6	1869.7	-11.8	1857.9
6 - Ontgraven tot	-8.36	-21.50	1744.5	1463.0	3207.5	1922.9	-11.8	1911.2
		-22.00	1790.3	1577.0	3367.3	2018.7	-11.8	2007.0
		-22.50	1866.7	1691.0	3557.7	2132.9	-11.8	2121.1
		-12.50	654.6	108.1	762.7	457.2	-12.8	444.4
		-13.00	576.8	196.9	773.6	463.8	-12.8	451.0
		-13.50	563.8	284.7	848.5	508.7	-12.8	495.9
		-14.00	588.6	368.7	957.2	573.9	-12.8	561.1
		-14.50	582.6	449.1	1031.7	618.5	-12.8	605.7
		-15.00	660.3	499.5	1159.8	695.3	-12.8	682.5
		-15.50	717.8	565.6	1283.4	769.4	-12.8	756.6
		-16.00	703.3	649.9	1353.2	811.3	-12.8	798.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-16.50	693.3	725.5	1418.8	850.6	-12.8	837.8
		-17.00	664.3	794.7	1459.0	874.7	-12.8	861.9
		-17.50	763.3	849.7	1613.0	967.0	-12.8	954.2
		-18.00	822.5	922.9	1745.4	1046.4	-12.8	1033.6
		-18.50	917.9	995.9	1913.7	1147.3	-12.8	1134.5
		-19.00	1012.6	1081.5	2094.2	1255.5	-12.8	1242.7
		-19.50	1039.6	1172.7	2212.3	1326.3	-12.8	1313.5
		-20.00	1549.0	1261.5	2810.5	1684.9	-12.8	1672.1
		-20.50	1614.8	1375.3	2990.1	1792.6	-12.8	1779.8
		-21.00	1693.4	1489.3	3182.7	1908.1	-12.8	1895.3
		-21.50	1763.9	1603.3	3367.2	2018.7	-12.8	2005.9
		-22.00	1816.4	1717.3	3533.7	2118.5	-12.8	2105.7
		-22.50	1774.6	1831.3	3605.8	2161.8	-12.8	2149.0
7 - Ontgraven tot	-8.36	-12.50	707.8	117.5	825.3	494.8	-12.8	482.0
		-13.00	775.8	206.0	981.8	588.6	-12.8	575.8
		-13.50	729.9	296.9	1026.9	615.6	-12.8	602.8
		-14.00	738.3	383.3	1121.6	672.4	-12.8	659.6
		-14.50	756.9	474.3	1231.2	738.1	-12.8	725.3
		-15.00	691.2	556.4	1247.6	747.9	-12.8	735.1
		-15.50	700.5	617.1	1317.6	789.9	-12.8	777.1
		-16.00	608.5	689.7	1298.2	778.3	-12.8	765.5
		-16.50	554.3	776.2	1330.5	797.7	-12.8	784.9
		-17.00	563.4	821.6	1385.0	830.3	-12.8	817.5
		-17.50	537.4	880.6	1418.0	850.1	-12.8	837.3
		-18.00	588.3	935.3	1523.6	913.4	-12.8	900.6
		-18.50	563.7	1005.5	1569.2	940.8	-12.8	928.0
		-19.00	587.3	1059.2	1646.5	987.1	-12.8	974.3
		-19.50	879.3	1123.6	2002.8	1200.7	-12.8	1188.0
		-20.00	849.8	1214.8	2064.6	1237.8	-12.8	1225.0
		-20.50	779.0	1304.9	2083.9	1249.3	-12.8	1236.6
		-21.00	1280.6	1376.8	2657.4	1593.2	-12.8	1580.4
8 - Ontgraven tot	-8.36	-12.50	576.1	109.9	686.0	411.3	-11.8	399.5
		-13.00	567.7	189.4	757.1	453.9	-11.8	442.1
		-13.50	510.0	280.4	790.4	473.9	-11.8	462.1
		-14.00	467.1	353.7	820.8	492.1	-11.8	480.3
		-14.50	485.9	411.0	896.9	537.7	-11.8	525.9
		-15.00	494.8	460.5	955.3	572.7	-11.8	560.9
		-15.50	487.4	502.3	989.7	593.3	-11.8	581.6
		-16.00	530.8	541.0	1071.8	642.6	-11.8	630.8
		-16.50	496.2	587.1	1083.2	649.4	-11.8	637.6
		-17.00	442.7	647.2	1089.9	653.4	-11.8	641.6
		-17.50	425.3	702.2	1127.5	676.0	-11.8	664.2
		-18.00	413.3	743.0	1156.3	693.2	-11.8	681.4
		-18.50	419.1	776.1	1195.1	716.5	-11.8	704.7
		-19.00	479.4	810.5	1289.9	773.3	-11.8	761.5
		-19.50	733.0	854.8	1587.8	951.9	-11.8	940.1
		-20.00	1027.7	942.7	1970.4	1181.3	-11.8	1169.5
9 - Ontgraven tot	-8.36	-12.50	656.5	110.7	767.1	459.9	-12.5	447.4
		-13.00	591.7	200.0	791.8	474.7	-12.5	462.2
		-13.50	573.6	287.8	861.4	516.4	-12.5	503.9
		-14.00	574.7	376.3	951.1	570.2	-12.5	557.6
		-14.50	545.2	449.1	994.2	596.1	-12.5	583.5
		-15.00	552.3	504.3	1056.6	633.4	-12.5	620.9
		-15.50	483.4	556.7	1040.1	623.5	-12.5	611.0
		-16.00	477.0	603.4	1080.4	647.7	-12.5	635.2
		-16.50	472.4	644.9	1117.3	669.8	-12.5	657.3
		-17.00	468.7	684.2	1152.9	691.2	-12.5	678.7
		-17.50	480.7	723.0	1203.7	721.6	-12.5	709.1
		-18.00	467.6	765.8	1233.4	739.4	-12.5	726.9
		-18.50	559.9	802.0	1362.0	816.5	-12.5	804.0
		-19.00	648.4	857.6	1506.1	902.9	-12.5	890.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{hk;d} [kN]	R _{c;netto;d} [kN]
9 - Ontgraven tot	-8.36	-19.50	1053.5	939.9	1993.4	1195.1	-12.5	1182.5
		-20.00	1062.2	1053.9	2116.1	1268.7	-12.5	1256.1
		-20.50	1079.3	1165.3	2244.6	1345.7	-12.5	1333.1
		-21.00	1472.7	1271.8	2744.5	1645.4	-12.5	1632.9
		-21.50	1750.2	1385.8	3135.9	1880.0	-12.5	1867.5
		-22.00	1840.1	1499.8	3339.8	2002.3	-12.5	1989.8
		-22.50	1857.0	1613.8	3470.8	2080.8	-12.5	2068.3
10 - Ontgraven tot	-8.36	-12.50	553.4	94.1	647.5	388.2	-12.5	375.7
		-13.00	599.4	177.6	777.0	465.8	-12.5	453.3
		-13.50	625.4	261.7	887.1	531.8	-12.5	519.3
		-14.00	695.8	324.5	1020.2	611.7	-12.5	599.1
		-14.50	637.8	396.9	1034.7	620.3	-12.5	607.8
		-15.00	634.7	476.5	1111.2	666.2	-12.5	653.7
		-15.50	622.0	551.7	1173.7	703.7	-12.5	691.1
		-16.00	579.9	618.7	1198.6	718.6	-12.5	706.0
		-16.50	668.0	666.1	1334.1	799.8	-12.5	787.3
		-17.00	639.9	743.3	1383.2	829.3	-12.5	816.7
		-17.50	691.4	796.7	1488.1	892.1	-12.5	879.6
		-18.00	882.6	866.9	1749.6	1048.9	-12.5	1036.4
		-18.50	784.8	958.1	1742.9	1044.9	-12.5	1032.4
		-19.00	678.6	1040.2	1718.8	1030.5	-12.5	1017.9
		-19.50	772.5	1094.1	1866.6	1119.1	-12.5	1106.5
		-20.00	861.4	1164.1	2025.5	1214.4	-12.5	1201.8
		-20.50	934.7	1245.1	2179.8	1306.8	-12.5	1294.3
		-21.00	1157.4	1328.6	2485.9	1490.4	-12.5	1477.8
		-21.50	1569.8	1436.8	3006.6	1802.5	-12.5	1790.0
		-22.00	1735.0	1550.8	3285.8	1969.9	-12.5	1957.4
		-22.50	1794.8	1664.8	3459.6	2074.1	-12.5	2061.6
11 - Ontgraven tot	-8.36	-12.50	564.8	80.6	645.4	387.0	-12.5	374.4
		-13.00	470.1	160.8	630.8	378.2	-12.5	365.7
		-13.50	454.6	251.1	705.7	423.1	-12.5	410.6
		-14.00	472.2	318.2	790.4	473.9	-12.5	461.3
		-14.50	476.1	376.5	852.6	511.2	-12.5	498.6
		-15.00	531.4	415.8	947.2	567.9	-12.5	555.4
		-15.50	908.6	467.7	1376.4	825.2	-12.5	812.6
		-16.00	871.9	558.0	1429.9	857.3	-12.5	844.7
		-16.50	840.4	649.2	1489.6	893.0	-12.5	880.5
		-17.00	720.1	737.7	1457.8	874.0	-12.5	861.5
		-17.50	702.8	816.8	1519.5	911.0	-12.5	898.5
		-18.00	662.4	905.1	1567.5	939.7	-12.5	927.2
		-18.50	642.8	970.7	1613.5	967.3	-12.5	954.8
		-19.00	689.3	1022.0	1711.4	1026.0	-12.5	1013.5
		-19.50	856.2	1081.5	1937.7	1161.7	-12.5	1149.1
		-20.00	1706.6	1171.7	2878.3	1725.6	-12.5	1713.1
		-20.50	1872.5	1285.7	3158.2	1893.4	-12.5	1880.9
		-21.00	1779.4	1399.7	3179.1	1905.9	-12.5	1893.4
		-21.50	1696.8	1513.7	3210.5	1924.8	-12.5	1912.2
		-22.00	1748.6	1627.7	3376.3	2024.2	-12.5	2011.6
		-22.50	1775.1	1741.7	3516.8	2108.4	-12.5	2095.8
12 - Ontgraven tot	-8.36	-12.50	635.1	98.9	734.0	440.1	-11.8	428.3
		-13.00	646.0	186.6	832.6	499.1	-11.8	487.3
		-13.50	663.7	277.8	941.5	564.4	-11.8	552.6
		-14.00	694.1	360.6	1054.7	632.3	-11.8	620.5
		-14.50	760.5	428.1	1188.7	712.6	-11.8	700.8
		-15.00	888.5	502.1	1390.6	833.7	-11.8	821.9
		-15.50	763.4	593.3	1356.7	813.4	-11.8	801.6
		-16.00	744.2	665.5	1409.6	845.1	-11.8	833.3
		-16.50	682.4	741.3	1423.6	853.5	-11.8	841.7
		-17.00	671.2	812.9	1484.1	889.7	-11.8	877.9
		-17.50	679.3	867.5	1546.8	927.3	-11.8	915.5
		-18.00	636.3	937.4	1573.8	943.5	-11.8	931.7
		-18.50	763.4	992.7	1756.1	1052.8	-11.8	1041.1
		-19.00	827.1	1067.6	1894.7	1135.9	-11.8	1124.1
		-19.50	932.8	1147.1	2079.9	1246.9	-11.8	1235.1
		-20.00	950.5	1231.7	2182.2	1308.3	-11.8	1296.5
		-20.50	969.2	1320.3	2289.5	1372.6	-11.8	1360.8
		-21.00	1041.9	1404.7	2446.5	1466.7	-11.8	1455.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
12 - Ontgraven tot	-8.36	-21.50	1127.9	1495.7	2623.7	1572.9	-11.8	1561.1
		-22.00	1413.3	1598.0	3011.4	1805.4	-11.8	1793.6
		-22.50	1445.2	1712.0	3157.2	1892.8	-11.8	1881.0
		-12.50	530.3	106.1	636.4	381.5	-11.8	369.7
13 - Ontgraven tot	-8.36	-13.00	485.1	195.9	681.0	408.3	-11.8	396.5
		-13.50	491.6	277.9	769.5	461.3	-11.8	449.5
		-14.00	514.3	337.8	852.2	510.9	-11.8	499.1
		-14.50	607.5	390.2	997.6	598.1	-11.8	586.3
		-15.00	636.4	449.5	1085.9	651.0	-11.8	639.2
		-15.50	798.5	509.4	1307.9	784.1	-11.8	772.3
		-16.00	822.7	592.2	1414.9	848.3	-11.8	836.5
		-16.50	814.5	677.3	1491.7	894.3	-11.8	882.5
		-17.00	848.8	750.6	1599.4	958.9	-11.8	947.1
		-17.50	845.4	837.7	1683.1	1009.0	-11.8	997.2
		-18.00	853.2	911.9	1765.1	1058.2	-11.8	1046.4
		-18.50	930.5	979.1	1909.6	1144.9	-11.8	1133.1
		-19.00	1072.4	1058.0	2130.3	1277.2	-11.8	1265.4
		-19.50	1066.5	1149.2	2215.6	1328.3	-11.8	1316.5
		-20.00	1100.5	1239.6	2340.1	1402.9	-11.8	1391.1
		-20.50	1165.7	1332.2	2498.0	1497.6	-11.8	1485.8
		-21.00	1178.9	1426.7	2605.6	1562.1	-11.8	1550.3
		-21.50	1454.7	1523.2	2978.0	1785.3	-11.8	1773.6
		-22.00	1951.2	1636.7	3588.0	2151.1	-11.8	2139.3
		-22.50	2010.5	1750.7	3761.3	2255.0	-11.8	2243.2
14 - Ontgraven tot	-8.36	-12.50	533.5	114.8	648.2	388.6	-11.8	376.8
		-13.00	520.5	205.1	725.5	435.0	-11.8	423.2
		-13.50	541.2	291.4	832.6	499.1	-11.8	487.4
		-14.00	579.3	351.6	931.0	558.1	-11.8	546.3
		-14.50	586.5	417.8	1004.3	602.1	-11.8	590.3
		-15.00	675.7	476.4	1152.1	690.7	-11.8	678.9
		-15.50	905.9	539.4	1445.3	866.5	-11.8	854.7
		-16.00	864.7	629.2	1494.0	895.7	-11.8	883.9
		-16.50	791.7	720.1	1511.8	906.4	-11.8	894.6
		-17.00	856.9	788.6	1645.5	986.5	-11.8	974.7
		-17.50	894.8	866.5	1761.3	1056.0	-11.8	1044.2
		-18.00	878.3	948.3	1826.6	1095.1	-11.8	1083.3
		-18.50	435.0	1027.1	1462.1	876.5	-11.8	864.8
		-19.00	398.9	1130.5	1529.4	916.9	-11.8	905.1
		-19.50	355.1	1233.8	1588.9	952.6	-11.8	940.8
		-20.00	210.7	1325.7	1536.4	921.1	-11.8	909.3
		-20.50	477.0	1380.3	1857.4	1113.5	-11.8	1101.7
		-21.00	517.6	1453.7	1971.2	1181.8	-11.8	1170.0
		-21.50	512.6	1542.7	2055.3	1232.2	-11.8	1220.4
		-22.00	559.3	1607.1	2166.3	1298.8	-11.8	1287.0
		-22.50	1318.7	1685.7	3004.3	1801.2	-11.8	1789.4
15 - Ontgraven tot	-8.36	-12.50	569.7	161.1	730.8	438.1	-10.0	428.1
		-13.00	601.2	250.6	851.8	510.7	-10.0	500.7
		-13.50	655.3	317.8	973.1	583.4	-10.0	573.4
		-14.00	674.8	396.6	1071.4	642.3	-10.0	632.3
		-14.50	783.9	463.8	1247.7	748.0	-10.0	738.0
		-15.00	770.9	547.6	1318.5	790.5	-10.0	780.5
		-15.50	793.3	615.0	1408.3	844.3	-10.0	834.3
		-16.00	1023.3	689.9	1713.2	1027.1	-10.0	1017.1
		-16.50	1146.2	781.7	1927.9	1155.8	-10.0	1145.8
		-17.00	886.9	880.8	1767.7	1059.8	-10.0	1049.8
		-17.50	878.1	980.7	1858.8	1114.4	-10.0	1104.4
		-18.00	832.7	1081.1	1913.8	1147.4	-10.0	1137.4
		-18.50	754.1	1169.9	1923.9	1153.4	-10.0	1143.5
		-19.00	836.1	1233.7	2069.7	1240.8	-10.0	1230.9
		-19.50	818.5	1321.5	2139.9	1282.9	-10.0	1273.0
		-20.00	737.1	1399.0	2136.1	1280.6	-10.0	1270.6
		-20.50	711.9	1470.1	2182.0	1308.1	-10.0	1298.1
		-21.00	693.2	1552.7	2245.8	1346.4	-10.0	1336.4
		-21.50	607.1	1627.4	2234.5	1339.6	-10.0	1329.6
		-22.00	1255.1	1678.8	2933.9	1758.9	-10.0	1749.0
		-22.50	1474.0	1791.7	3265.8	1957.9	-10.0	1947.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
16 - Ontgraven tot	-8.36	-12.50	533.7	132.8	666.5	399.6	-10.1	389.4
		-13.00	488.4	224.0	712.4	427.1	-10.1	417.0
		-13.50	514.9	294.2	809.1	485.1	-10.1	475.0
		-14.00	534.1	357.4	891.5	534.5	-10.1	524.3
		-14.50	591.1	408.9	1000.0	599.5	-10.1	589.4
		-15.00	630.6	461.9	1092.5	655.0	-10.1	644.8
		-15.50	860.9	523.6	1384.5	830.0	-10.1	819.9
		-16.00	860.7	610.0	1470.7	881.7	-10.1	871.6
		-16.50	827.5	700.5	1528.0	916.1	-10.1	905.9
		-17.00	748.1	791.7	1539.9	923.2	-10.1	913.1
		-17.50	702.0	880.8	1582.8	948.9	-10.1	938.8
		-18.00	740.7	938.1	1678.8	1006.5	-10.1	996.3
		-18.50	992.9	1004.4	1997.3	1197.4	-10.1	1187.3
		-19.00	1004.4	1100.6	2105.0	1262.0	-10.1	1251.9
		-19.50	979.8	1198.7	2178.5	1306.0	-10.1	1295.9
		-20.00	976.4	1295.6	2272.0	1362.1	-10.1	1352.0
		-20.50	986.5	1383.3	2369.8	1420.8	-10.1	1410.6
		-21.00	1019.4	1471.4	2490.9	1493.3	-10.1	1483.2
		-21.50	1916.7	1567.7	3484.4	2088.9	-10.1	2078.8
		-22.00	1402.5	1681.7	3084.2	1849.0	-10.1	1838.9
		-22.50	921.5	1795.7	2717.2	1629.0	-10.1	1618.9
17 - Ontgraven tot	-8.36	-12.50	579.5	124.2	703.7	421.9	-11.1	410.8
		-13.00	612.3	212.3	824.6	494.3	-11.1	483.3
		-13.50	583.3	298.5	881.8	528.6	-11.1	517.6
		-14.00	616.7	371.7	988.4	592.6	-11.1	581.5
		-14.50	651.1	438.2	1089.3	653.0	-11.1	642.0
		-15.00	742.4	500.1	1242.4	744.9	-11.1	733.8
		-15.50	879.6	568.6	1448.2	868.2	-11.1	857.2
		-16.00	956.9	653.3	1610.2	965.4	-11.1	954.3
		-16.50	988.7	743.6	1732.2	1038.5	-11.1	1027.4
		-17.00	1067.2	836.9	1904.2	1141.6	-11.1	1130.5
		-17.50	1094.4	936.2	2030.6	1217.4	-11.1	1206.3
		-18.00	1102.8	1032.1	2134.9	1279.9	-11.1	1268.8
		-18.50	1299.3	1121.9	2421.3	1451.6	-11.1	1440.5
		-19.00	1224.0	1213.6	2437.6	1461.4	-11.1	1450.3
		-19.50	1324.0	1305.3	2629.3	1576.3	-11.1	1565.2
		-20.00	1288.3	1396.9	2685.2	1609.8	-11.1	1598.8
		-20.50	1292.1	1487.4	2779.5	1666.4	-11.1	1655.3
		-21.00	1790.1	1584.9	3375.0	2023.4	-11.1	2012.3
		-21.50	2027.8	1697.4	3725.2	2233.3	-11.1	2222.2
		-22.00	2161.9	1811.4	3973.3	2382.1	-11.1	2371.0
		-22.50	2166.0	1925.4	4091.4	2452.9	-11.1	2441.8
18 - Ontgraven tot	-8.36	-12.50	545.3	108.3	653.5	391.8	-11.8	380.0
		-13.00	577.0	192.9	769.8	461.5	-11.8	449.7
		-13.50	604.7	282.7	887.4	532.0	-11.8	520.2
		-14.00	523.4	360.4	883.8	529.9	-11.8	518.1
		-14.50	510.3	416.3	926.7	555.6	-11.8	543.8
		-15.00	516.5	482.7	999.2	599.0	-11.8	587.3
		-15.50	490.5	539.4	1029.9	617.4	-11.8	605.6
		-16.00	503.0	579.3	1082.4	648.9	-11.8	637.1
		-16.50	606.2	622.0	1228.2	736.3	-11.8	724.5
		-17.00	907.1	682.3	1589.4	952.9	-11.8	941.1
		-17.50	947.4	784.3	1731.7	1038.2	-11.8	1026.4
		-18.00	942.9	898.3	1841.1	1103.8	-11.8	1092.0
		-18.50	801.6	1012.3	1813.9	1087.5	-11.8	1075.7
		-19.00	773.2	1109.3	1882.5	1128.6	-11.8	1116.8
		-19.50	895.3	1186.1	2081.4	1247.9	-11.8	1236.1
		-20.00	819.5	1276.0	2095.6	1256.3	-11.8	1244.5
		-20.50	939.8	1355.2	2295.0	1375.9	-11.8	1364.1
		-21.00	1166.8	1445.7	2612.5	1566.2	-11.8	1554.5
		-21.50	1184.7	1551.6	2736.3	1640.5	-11.8	1628.7
		-22.00	1199.0	1657.5	2856.5	1712.5	-11.8	1700.7
		-22.50	1746.7	1765.9	3512.6	2105.9	-11.8	2094.1
19 - Ontgraven tot	-8.36	-12.50	598.4	147.5	745.9	447.2	-11.1	436.1
		-13.00	603.0	238.7	841.7	504.6	-11.1	493.5
		-13.50	620.7	311.4	932.0	558.8	-11.1	547.7
		-14.00	671.6	375.1	1046.7	627.5	-11.1	616.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-14.50	692.6	456.8	1149.4	689.1	-11.1	678.0
		-15.00	755.9	522.6	1278.4	766.4	-11.1	755.4
		-15.50	710.9	596.7	1307.6	783.9	-11.1	772.9
		-16.00	701.9	669.7	1371.7	822.3	-11.1	811.3
		-16.50	689.1	736.4	1425.5	854.6	-11.1	843.5
		-17.00	692.9	796.8	1489.7	893.1	-11.1	882.0
		-17.50	1396.9	865.0	2261.9	1356.0	-11.1	1345.0
		-18.00	1276.1	979.0	2255.0	1351.9	-11.1	1340.9
		-18.50	1253.9	1093.0	2346.9	1407.0	-11.1	1395.9
		-19.00	1044.0	1207.0	2251.0	1349.5	-11.1	1338.4
		-19.50	892.0	1314.2	2206.2	1322.7	-11.1	1311.6
		-20.00	1069.6	1395.0	2464.6	1477.6	-11.1	1466.5
		-20.50	999.8	1486.1	2485.9	1490.3	-11.1	1479.3
		-21.00	1324.6	1581.0	2905.7	1742.0	-11.1	1730.9
		-21.50	1326.1	1695.0	3021.1	1811.2	-11.1	1800.2
		-22.00	1734.2	1808.0	3542.2	2123.6	-11.1	2112.6
		-22.50	1574.9	1922.0	3496.9	2096.5	-11.1	2085.4



SAMENVATTINGSTABEL 400p o (n=1)

Uitgangspunten

- paal : 400p
 - paaltype : Geheide paal (beton)
 - schachtafmeting : 400 x 400
 Paalklassefactor α_p : 0.70
 Factor α_s (tabel 7.c EC 7.1) : 0.010 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezwijkdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{hk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	673.7	122.0	795.7	477.1	-12.4	464.6
		-13.00	705.6	212.3	917.9	550.3	-12.4	537.9
		-13.50	746.8	308.3	1055.1	632.5	-12.4	620.1
		-14.00	644.8	403.5	1048.4	628.5	-12.4	616.1
		-14.50	649.8	472.8	1122.6	673.0	-12.4	660.6
		-15.00	667.8	552.7	1220.5	731.7	-12.4	719.3
		-15.50	635.5	634.5	1270.0	761.4	-12.4	749.0
		-16.00	621.4	686.3	1307.7	784.0	-12.4	771.6
		-16.50	779.1	733.5	1512.5	906.8	-12.4	894.4
		-17.00	895.2	802.1	1697.3	1017.5	-12.4	1005.1
		-17.50	976.6	888.4	1865.0	1118.1	-12.4	1105.7
		-18.00	915.0	995.6	1910.6	1145.5	-12.4	1133.1
		-18.50	845.3	1102.7	1948.0	1167.9	-12.4	1155.4
		-19.00	877.8	1175.1	2052.8	1230.7	-12.4	1218.3
		-19.50	862.7	1255.0	2117.7	1269.6	-12.4	1257.2
		-20.00	1073.3	1329.0	2402.4	1440.3	-12.4	1427.8
		-20.50	1048.9	1424.7	2473.6	1483.0	-12.4	1470.6
		-21.00	1588.9	1522.0	3110.9	1865.0	-12.4	1852.6
		-21.50	1639.5	1642.0	3281.4	1967.3	-12.4	1954.9
		-22.00	1864.2	1762.0	3626.2	2174.0	-12.4	2161.6
		-22.50	2045.7	1882.0	3927.7	2354.7	-12.4	2342.3
2 - Ontgraven tot	-8.36	-12.50	575.2	104.3	679.5	407.4	-13.7	393.7
		-13.00	587.2	187.2	774.4	464.3	-13.7	450.6
		-13.50	591.5	274.0	865.5	518.9	-13.7	505.2
		-14.00	615.8	352.1	967.8	580.2	-13.7	566.6
		-14.50	652.8	411.2	1064.0	637.9	-13.7	624.2
		-15.00	747.2	464.7	1211.9	726.6	-13.7	712.9
		-15.50	754.9	529.0	1283.9	769.7	-13.7	756.1
		-16.00	753.9	594.6	1348.4	808.4	-13.7	794.7
		-16.50	733.7	664.2	1397.9	838.1	-13.7	824.4
		-17.00	738.3	720.5	1458.7	874.5	-13.7	860.9
		-17.50	905.6	777.8	1683.4	1009.3	-13.7	995.6
		-18.00	866.5	870.3	1736.8	1041.2	-13.7	1027.6
		-18.50	994.8	949.1	1943.9	1165.4	-13.7	1151.7
		-19.00	1008.1	1041.6	2049.8	1228.9	-13.7	1215.2
		-19.50	1027.8	1126.4	2154.2	1291.5	-13.7	1277.8
		-20.00	1022.7	1221.0	2243.6	1345.1	-13.7	1331.4
		-20.50	1019.4	1308.7	2328.1	1395.7	-13.7	1382.0
		-21.00	1683.0	1398.1	3081.1	1847.2	-13.7	1833.5
		-21.50	1799.4	1518.1	3317.5	1988.9	-13.7	1975.2
		-22.00	1823.8	1638.1	3461.9	2075.5	-13.7	2061.8
		-22.50	1869.3	1758.1	3627.4	2174.7	-13.7	2161.1
3 - Ontgraven tot	-8.36	-12.50	689.6	117.9	807.5	484.1	-13.2	470.9
		-13.00	618.0	212.7	830.7	498.0	-13.2	484.8
		-13.50	591.6	308.6	900.2	539.7	-13.2	526.5
		-14.00	606.5	391.1	997.6	598.1	-13.2	584.9
		-14.50	635.0	459.0	1094.0	655.9	-13.2	642.7
		-15.00	674.3	512.9	1187.1	711.7	-13.2	698.5
		-15.50	682.2	563.9	1246.0	747.0	-13.2	733.8
		-16.00	706.6	613.9	1320.5	791.7	-13.2	778.5
		-16.50	685.0	673.9	1358.9	814.7	-13.2	801.5
		-17.00	759.7	724.4	1484.0	889.7	-13.2	876.5
		-17.50	897.1	790.3	1687.4	1011.6	-13.2	998.4
		-18.00	861.9	883.4	1745.3	1046.3	-13.2	1033.2
		-18.50	691.7	979.3	1671.0	1001.8	-13.2	988.6
		-19.00	642.3	1070.1	1712.4	1026.6	-13.2	1013.4
		-19.50	637.5	1130.0	1767.6	1059.7	-13.2	1046.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	594.6	1194.2	1788.7	1072.4	-13.2	1059.2
		-20.50	1010.5	1240.4	2250.9	1349.5	-13.2	1336.3
		-21.00	1460.6	1346.1	2806.7	1682.7	-13.2	1669.5
		-21.50	1544.8	1466.1	3010.9	1805.1	-13.2	1791.9
		-22.00	1585.3	1586.1	3171.4	1901.3	-13.2	1888.1
		-22.50	1682.4	1706.1	3388.5	2031.5	-13.2	2018.3
4 - Ontgraven tot	-8.36	-12.50	695.5	118.4	813.9	488.0	-12.7	475.3
		-13.00	734.7	214.0	948.8	568.8	-12.7	556.1
		-13.50	805.0	298.2	1103.1	661.4	-12.7	648.7
		-14.00	931.5	380.0	1311.5	786.3	-12.7	773.6
		-14.50	1006.9	469.5	1476.4	885.1	-12.7	872.5
		-15.00	1080.5	558.4	1638.8	982.5	-12.7	969.9
		-15.50	1140.6	651.6	1792.2	1074.5	-12.7	1061.8
		-16.00	1247.6	747.7	1995.3	1196.2	-12.7	1183.6
		-16.50	1037.9	858.4	1896.3	1136.9	-12.7	1124.2
		-17.00	878.5	956.1	1834.6	1099.9	-12.7	1087.2
		-17.50	859.2	1041.8	1901.0	1139.7	-12.7	1127.0
		-18.00	736.7	1137.8	1874.5	1123.8	-12.7	1111.1
		-18.50	686.6	1210.4	1897.0	1137.3	-12.7	1124.6
		-19.00	905.0	1267.3	2172.2	1302.3	-12.7	1289.6
		-19.50	994.5	1353.7	2348.2	1407.8	-12.7	1395.1
		-20.00	1203.8	1446.0	2649.8	1588.6	-12.7	1576.0
		-20.50	1526.8	1553.7	3080.5	1846.8	-12.7	1834.2
		-21.00	1552.8	1673.7	3226.5	1934.4	-12.7	1921.7
		-21.50	1583.0	1793.7	3376.8	2024.4	-12.7	2011.8
		-22.00	1520.5	1913.7	3434.2	2058.9	-12.7	2046.2
		-22.50	1626.1	2032.8	3658.8	2193.6	-12.7	2180.9
5 - Ontgraven tot	-8.36	-12.50	740.3	119.9	860.2	515.7	-12.4	503.3
		-13.00	616.8	212.1	828.9	497.0	-12.4	484.5
		-13.50	598.3	302.3	900.6	539.9	-12.4	527.5
		-14.00	608.6	394.5	1003.1	601.4	-12.4	589.0
		-14.50	597.8	479.2	1077.0	645.7	-12.4	633.3
		-15.00	631.1	529.2	1160.2	695.6	-12.4	683.2
		-15.50	791.1	581.2	1372.3	822.7	-12.4	810.3
		-16.00	785.6	661.6	1447.2	867.6	-12.4	855.2
		-16.50	735.2	747.7	1482.9	889.1	-12.4	876.6
		-17.00	794.5	809.3	1603.7	961.5	-12.4	949.1
		-17.50	761.1	895.3	1656.5	993.1	-12.4	980.7
		-18.00	739.1	984.2	1723.3	1033.1	-12.4	1020.7
		-18.50	731.6	1047.1	1778.8	1066.4	-12.4	1054.0
		-19.00	740.7	1101.1	1841.8	1104.2	-12.4	1091.8
		-19.50	764.1	1155.4	1919.4	1150.7	-12.4	1138.3
		-20.00	961.2	1214.3	2175.5	1304.3	-12.4	1291.9
		-20.50	1265.5	1305.5	2570.9	1541.3	-12.4	1528.9
6 - Ontgraven tot	-8.36	-12.50	720.1	113.8	833.9	499.9	-13.5	486.5
		-13.00	612.9	207.2	820.1	491.7	-13.5	478.2
		-13.50	616.4	299.7	916.0	549.2	-13.5	535.7
		-14.00	640.3	388.1	1028.4	616.5	-13.5	603.1
		-14.50	632.0	472.7	1104.8	662.3	-13.5	648.9
		-15.00	727.6	525.7	1253.4	751.4	-13.5	738.0
		-15.50	791.3	595.4	1386.7	831.3	-13.5	817.9
		-16.00	778.7	684.1	1462.7	876.9	-13.5	863.5
		-16.50	767.2	763.7	1530.9	917.8	-13.5	904.4
		-17.00	735.2	836.5	1571.7	942.3	-13.5	928.8
		-17.50	847.9	894.4	1742.3	1044.6	-13.5	1031.1
		-18.00	908.6	971.5	1880.1	1127.1	-13.5	1113.7
		-18.50	1017.2	1048.3	2065.4	1238.3	-13.5	1224.8
		-19.00	1118.6	1138.5	2257.0	1353.1	-13.5	1339.7
		-19.50	1146.9	1234.5	2381.4	1427.7	-13.5	1414.2
		-20.00	1709.7	1327.9	3037.6	1821.1	-13.5	1807.6
		-20.50	1777.6	1447.7	3225.3	1933.6	-13.5	1920.1
		-21.00	1856.8	1567.7	3424.5	2053.1	-13.5	2039.6
		-21.50	1941.4	1687.7	3629.1	2175.7	-13.5	2162.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuikdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
6 - Ontgraven tot	-8.36	-22.00	1997.8	1807.7	3805.5	2281.4	-13.5	2268.0
		-22.50	1950.2	1927.7	3877.9	2324.9	-13.5	2311.4
7 - Ontgraven tot	-8.36	-12.50	777.6	123.7	901.3	540.3	-13.5	526.9
		-13.00	848.9	216.8	1065.8	638.9	-13.5	625.5
		-13.50	778.3	312.6	1090.9	654.0	-13.5	640.5
		-14.00	802.4	403.5	1205.9	723.0	-13.5	709.5
		-14.50	822.0	499.2	1321.2	792.1	-13.5	778.6
		-15.00	745.8	585.7	1331.5	798.3	-13.5	784.8
		-15.50	776.2	649.6	1425.8	854.8	-13.5	841.3
		-16.00	672.2	726.0	1398.2	838.2	-13.5	824.8
		-16.50	614.2	817.0	1431.2	858.1	-13.5	844.6
		-17.00	624.2	864.8	1489.1	892.7	-13.5	879.3
		-17.50	601.3	926.9	1528.2	916.2	-13.5	902.7
		-18.00	651.8	984.6	1636.3	981.0	-13.5	967.5
		-18.50	624.4	1058.5	1682.8	1008.9	-13.5	995.4
		-19.00	660.5	1114.9	1775.4	1064.4	-13.5	1050.9
		-19.50	973.1	1182.7	2155.8	1292.5	-13.5	1279.0
		-20.00	939.1	1278.7	2217.8	1329.6	-13.5	1316.1
		-20.50	858.8	1373.6	2232.4	1338.4	-13.5	1324.9
		-21.00	1434.9	1449.3	2884.2	1729.1	-13.5	1715.7
		-21.50	1639.4	1564.8	3204.2	1921.0	-13.5	1907.5
8 - Ontgraven tot	-8.36	-12.50	619.4	115.6	735.0	440.7	-12.4	428.2
		-13.00	609.6	199.4	809.0	485.0	-12.4	472.6
		-13.50	541.0	295.1	836.2	501.3	-12.4	488.9
		-14.00	506.8	372.3	879.0	527.0	-12.4	514.6
		-14.50	527.3	432.6	960.0	575.5	-12.4	563.1
		-15.00	544.3	484.7	1029.1	617.0	-12.4	604.5
		-15.50	541.5	528.7	1070.2	641.6	-12.4	629.2
		-16.00	590.0	569.5	1159.5	695.1	-12.4	682.7
		-16.50	532.2	618.0	1150.2	689.5	-12.4	677.1
		-17.00	490.1	681.2	1171.3	702.2	-12.4	689.8
		-17.50	471.3	739.2	1210.4	725.7	-12.4	713.3
		-18.00	457.9	782.1	1240.0	743.4	-12.4	731.0
		-18.50	465.6	816.9	1282.5	768.9	-12.4	756.5
		-19.00	532.2	853.2	1385.4	830.6	-12.4	818.1
		-19.50	819.0	899.8	1718.8	1030.4	-12.4	1018.0
		-20.00	1133.9	992.3	2126.2	1274.7	-12.4	1262.3
		-20.50	1455.0	1107.5	2562.5	1536.3	-12.4	1523.8
		-21.00	1746.6	1227.5	2974.1	1783.0	-12.4	1770.6
		-21.50	1871.3	1347.5	3218.7	1929.7	-12.4	1917.3
		-22.00	1879.6	1467.5	3347.1	2006.6	-12.4	1994.2
		-22.50	2257.5	1587.5	3845.0	2305.1	-12.4	2292.7
9 - Ontgraven tot	-8.36	-12.50	718.3	116.5	834.8	500.5	-13.2	487.3
		-13.00	608.1	210.6	818.7	490.8	-13.2	477.6
		-13.50	622.6	303.0	925.5	554.9	-13.2	541.7
		-14.00	616.9	396.1	1013.0	607.3	-13.2	594.1
		-14.50	590.0	472.7	1062.7	637.1	-13.2	623.9
		-15.00	593.8	530.9	1124.6	674.2	-13.2	661.1
		-15.50	535.5	586.0	1121.5	672.3	-13.2	659.2
		-16.00	528.5	635.2	1163.6	697.6	-13.2	684.4
		-16.50	523.4	678.8	1202.3	720.8	-13.2	707.6
		-17.00	520.4	720.2	1240.7	743.8	-13.2	730.6
		-17.50	532.6	761.1	1293.6	775.6	-13.2	762.4
		-18.00	518.2	806.1	1324.3	794.0	-13.2	780.8
		-18.50	620.3	844.2	1464.5	878.0	-13.2	864.8
		-19.00	737.7	902.8	1640.5	983.5	-13.2	970.3
		-19.50	1164.5	989.3	2153.8	1291.2	-13.2	1278.1
		-20.00	1170.7	1109.3	2280.1	1367.0	-13.2	1353.8
		-20.50	1192.1	1226.6	2418.7	1450.1	-13.2	1436.9
		-21.00	1623.0	1338.7	2961.7	1775.6	-13.2	1762.4
		-21.50	1919.6	1458.7	3378.3	2025.3	-13.2	2012.2
		-22.00	2014.4	1578.7	3593.1	2154.2	-13.2	2141.0
		-22.50	2029.6	1698.7	3728.3	2235.2	-13.2	2222.0
10 - Ontgraven tot	-8.36	-12.50	607.0	99.0	706.0	423.3	-13.2	410.1
		-13.00	655.7	187.0	842.7	505.2	-13.2	492.0
		-13.50	681.5	275.5	956.9	573.7	-13.2	560.5
		-14.00	759.0	341.5	1100.6	659.8	-13.2	646.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.50	677.5	417.8	1095.3	656.6	-13.2	643.4
		-15.00	695.2	501.6	1196.8	717.5	-13.2	704.3
		-15.50	688.6	580.8	1269.4	761.0	-13.2	747.8
		-16.00	642.4	651.3	1293.7	775.6	-13.2	762.4
		-16.50	740.0	701.2	1441.2	864.0	-13.2	850.8
		-17.00	708.5	782.4	1491.0	893.9	-13.2	880.7
		-17.50	772.8	838.6	1611.3	966.0	-13.2	952.8
		-18.00	970.8	912.6	1883.4	1129.1	-13.2	1115.9
		-18.50	870.0	1008.6	1878.5	1126.2	-13.2	1113.0
		-19.00	749.6	1094.9	1844.5	1105.8	-13.2	1092.7
		-19.50	853.1	1151.7	2004.8	1201.9	-13.2	1188.7
		-20.00	953.9	1225.4	2179.3	1306.5	-13.2	1293.3
		-20.50	1033.3	1310.6	2343.9	1405.2	-13.2	1392.0
		-21.00	1290.6	1398.5	2689.1	1612.2	-13.2	1599.0
		-21.50	1733.6	1512.5	3246.0	1946.1	-13.2	1932.9
		-22.00	1876.9	1632.5	3509.3	2103.9	-13.2	2090.7
		-22.50	1972.3	1752.5	3724.7	2233.0	-13.2	2219.9
11 - Ontgraven tot	-8.36	-12.50	561.1	84.9	645.9	387.3	-13.2	374.1
		-13.00	505.6	169.2	674.8	404.6	-13.2	391.4
		-13.50	496.4	264.3	760.7	456.1	-13.2	442.9
		-14.00	513.7	334.9	848.6	508.7	-13.2	495.5
		-14.50	516.5	396.4	912.9	547.3	-13.2	534.1
		-15.00	586.1	437.7	1023.9	613.8	-13.2	600.6
		-15.50	962.8	492.4	1455.2	872.4	-13.2	859.2
		-16.00	963.9	587.3	1551.3	930.0	-13.2	916.8
		-16.50	903.3	683.3	1586.7	951.2	-13.2	938.1
		-17.00	781.7	776.5	1558.2	934.2	-13.2	921.0
		-17.50	771.7	859.8	1631.5	978.1	-13.2	964.9
		-18.00	730.8	952.7	1683.5	1009.3	-13.2	996.1
		-18.50	709.1	1021.8	1730.8	1037.7	-13.2	1024.5
		-19.00	763.8	1075.8	1839.6	1102.9	-13.2	1089.7
		-19.50	952.8	1138.4	2091.2	1253.7	-13.2	1240.5
		-20.00	1903.0	1233.3	3136.3	1880.3	-13.2	1867.1
		-20.50	2062.0	1353.3	3415.4	2047.6	-13.2	2034.4
		-21.00	1921.4	1473.3	3394.7	2035.2	-13.2	2022.0
		-21.50	1867.4	1593.3	3460.7	2074.8	-13.2	2061.6
		-22.00	1915.4	1713.3	3628.8	2175.5	-13.2	2162.3
		-22.50	1941.1	1833.3	3774.4	2262.8	-13.2	2249.6
12 - Ontgraven tot	-8.36	-12.50	698.2	104.1	802.3	481.0	-12.4	468.6
		-13.00	706.9	196.4	903.3	541.5	-12.4	529.1
		-13.50	723.7	292.4	1016.1	609.2	-12.4	596.7
		-14.00	755.2	379.6	1134.8	680.4	-12.4	668.0
		-14.50	830.6	450.7	1281.3	768.1	-12.4	755.7
		-15.00	959.2	528.5	1487.7	891.9	-12.4	879.5
		-15.50	830.6	624.5	1455.1	872.3	-12.4	859.9
		-16.00	824.6	700.5	1525.0	914.3	-12.4	901.9
		-16.50	753.2	780.3	1533.5	919.3	-12.4	906.9
		-17.00	743.7	855.7	1599.4	958.8	-12.4	946.4
		-17.50	752.7	913.1	1665.8	998.7	-12.4	986.3
		-18.00	706.8	986.7	1693.5	1015.3	-12.4	1002.9
		-18.50	845.6	1045.0	1890.6	1133.5	-12.4	1121.0
		-19.00	915.5	1123.8	2039.3	1222.6	-12.4	1210.2
		-19.50	1039.6	1207.5	2247.1	1347.2	-12.4	1334.8
		-20.00	1049.6	1296.5	2346.0	1406.5	-12.4	1394.1
		-20.50	1068.4	1389.8	2458.2	1473.7	-12.4	1461.3
		-21.00	1147.0	1478.6	2625.6	1574.1	-12.4	1561.7
		-21.50	1256.5	1574.4	2831.0	1697.2	-12.4	1684.8
		-22.00	1558.5	1682.1	3240.6	1942.8	-12.4	1930.4
		-22.50	1590.9	1802.1	3393.1	2034.2	-12.4	2021.8
13 - Ontgraven tot	-8.36	-12.50	536.2	111.7	647.9	388.4	-12.4	376.0
		-13.00	530.5	206.3	736.8	441.7	-12.4	429.3
		-13.50	535.7	292.5	828.2	496.5	-12.4	484.1
		-14.00	559.4	355.6	915.0	548.6	-12.4	536.2
		-14.50	660.9	410.7	1071.6	642.4	-12.4	630.0
		-15.00	701.5	473.1	1174.6	704.2	-12.4	691.8
		-15.50	883.1	536.2	1419.3	850.9	-12.4	838.5
		-16.00	908.4	623.4	1531.8	918.4	-12.4	905.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.50	899.2	712.9	1612.1	966.5	-12.4	954.1
		-17.00	935.1	790.1	1725.2	1034.3	-12.4	1021.9
		-17.50	930.0	881.8	1811.8	1086.2	-12.4	1073.8
		-18.00	941.7	959.9	1901.7	1140.1	-12.4	1127.7
		-18.50	1026.5	1030.7	2057.2	1233.3	-12.4	1220.9
		-19.00	1187.4	1113.6	2301.0	1379.5	-12.4	1367.1
		-19.50	1179.7	1209.6	2389.3	1432.5	-12.4	1420.0
		-20.00	1222.2	1304.8	2527.1	1515.0	-12.4	1502.6
		-20.50	1287.0	1402.4	2689.4	1612.4	-12.4	1599.9
		-21.00	1300.1	1501.7	2801.8	1679.7	-12.4	1667.3
		-21.50	1611.1	1603.4	3214.5	1927.2	-12.4	1914.8
		-22.00	2151.4	1722.9	3874.3	2322.7	-12.4	2310.3
		-22.50	2217.8	1842.9	4060.7	2434.5	-12.4	2422.1
14 - Ontgraven tot	-8.36	-12.50	584.6	120.8	705.4	422.9	-12.4	410.5
		-13.00	567.1	215.9	782.9	469.4	-12.4	457.0
		-13.50	589.6	306.7	896.4	537.4	-12.4	525.0
		-14.00	630.1	370.1	1000.2	599.7	-12.4	587.2
		-14.50	640.4	439.8	1080.2	647.6	-12.4	635.2
		-15.00	742.4	501.5	1243.9	745.7	-12.4	733.3
		-15.50	1003.0	567.8	1570.8	941.7	-12.4	929.3
		-16.00	957.8	662.3	1620.1	971.3	-12.4	958.9
		-16.50	874.5	758.0	1632.5	978.7	-12.4	966.3
		-17.00	945.6	830.1	1775.7	1064.6	-12.4	1052.2
		-17.50	988.8	912.1	1900.9	1139.6	-12.4	1127.2
		-18.00	967.9	998.2	1966.1	1178.7	-12.4	1166.3
		-18.50	465.3	1081.2	1546.4	927.1	-12.4	914.7
		-19.00	447.4	1190.0	1637.4	981.7	-12.4	969.2
		-19.50	393.4	1298.8	1692.2	1014.5	-12.4	1002.1
		-20.00	252.0	1395.5	1647.5	987.7	-12.4	975.3
		-20.50	541.0	1453.0	1993.9	1195.4	-12.4	1183.0
		-21.00	570.3	1530.2	2100.5	1259.3	-12.4	1246.9
		-21.50	562.6	1623.9	2186.5	1310.8	-12.4	1298.4
		-22.00	626.8	1691.6	2318.5	1390.0	-12.4	1377.6
		-22.50	1449.3	1774.4	3223.6	1932.6	-12.4	1920.2
15 - Ontgraven tot	-8.36	-12.50	624.8	169.6	794.4	476.3	-10.5	465.7
		-13.00	655.9	263.8	919.8	551.4	-10.5	540.9
		-13.50	713.2	334.5	1047.7	628.1	-10.5	617.6
		-14.00	741.4	417.5	1158.9	694.8	-10.5	684.3
		-14.50	853.4	488.2	1341.6	804.3	-10.5	793.8
		-15.00	851.9	576.4	1428.4	856.3	-10.5	845.8
		-15.50	885.2	647.4	1532.5	918.8	-10.5	908.3
		-16.00	1131.9	726.2	1858.0	1113.9	-10.5	1103.4
		-16.50	1221.3	822.8	2044.1	1225.5	-10.5	1215.0
		-17.00	977.0	927.2	1904.2	1141.6	-10.5	1131.1
		-17.50	972.4	1032.3	2004.6	1201.8	-10.5	1191.3
		-18.00	922.6	1138.0	2060.7	1235.4	-10.5	1224.9
		-18.50	838.9	1231.4	2070.3	1241.2	-10.5	1230.7
		-19.00	926.4	1298.6	2225.0	1333.9	-10.5	1323.4
		-19.50	906.7	1391.0	2297.7	1377.5	-10.5	1367.0
		-20.00	800.1	1472.6	2272.7	1362.5	-10.5	1352.0
		-20.50	788.8	1547.5	2336.2	1400.6	-10.5	1390.1
		-21.00	768.0	1634.4	2402.4	1440.3	-10.5	1429.8
		-21.50	672.7	1713.1	2385.7	1430.3	-10.5	1419.8
		-22.00	1409.3	1767.2	3176.4	1904.3	-10.5	1893.8
		-22.50	1628.0	1886.0	3514.0	2106.7	-10.5	2096.2
16 - Ontgraven tot	-8.36	-12.50	562.4	139.8	702.1	420.9	-10.7	410.3
		-13.00	534.2	235.8	769.9	461.6	-10.7	450.9
		-13.50	561.4	309.7	871.1	522.3	-10.7	511.6
		-14.00	580.6	376.2	956.8	573.6	-10.7	563.0
		-14.50	642.5	430.5	1072.9	643.2	-10.7	632.6
		-15.00	697.0	486.2	1183.2	709.3	-10.7	698.7
		-15.50	957.0	551.2	1508.1	904.2	-10.7	893.5
		-16.00	932.5	642.1	1574.6	944.0	-10.7	933.3
		-16.50	905.8	737.4	1643.2	985.2	-10.7	974.5
		-17.00	826.5	833.4	1660.0	995.2	-10.7	984.5
		-17.50	774.9	927.1	1702.0	1020.4	-10.7	1009.7
		-18.00	817.9	987.4	1805.3	1082.3	-10.7	1071.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{hk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.50	1097.9	1057.3	2155.2	1292.1	-10.7	1281.4
		-19.00	1111.2	1158.5	2269.7	1360.7	-10.7	1350.1
		-19.50	1084.4	1261.8	2346.2	1406.6	-10.7	1395.9
		-20.00	1078.3	1363.8	2442.1	1464.1	-10.7	1453.4
		-20.50	1088.4	1456.1	2544.6	1525.5	-10.7	1514.9
		-21.00	1141.7	1548.9	2690.6	1613.0	-10.7	1602.4
		-21.50	1948.5	1650.2	3598.6	2157.5	-10.7	2146.8
		-22.00	1314.3	1770.2	3084.5	1849.2	-10.7	1838.6
		-22.50	1010.2	1890.2	2900.4	1738.9	-10.7	1728.2
17 - Ontgraven tot	-8.36	-12.50	637.6	130.8	768.4	460.7	-11.7	449.0
		-13.00	669.9	223.4	893.4	535.6	-11.7	523.9
		-13.50	635.4	314.2	949.5	569.3	-11.7	557.6
		-14.00	670.4	391.2	1061.7	636.5	-11.7	624.8
		-14.50	706.7	461.2	1168.0	700.2	-11.7	688.6
		-15.00	819.6	526.4	1345.9	806.9	-11.7	795.3
		-15.50	973.9	598.5	1572.4	942.7	-11.7	931.0
		-16.00	1057.6	687.7	1745.3	1046.4	-11.7	1034.7
		-16.50	1097.4	782.7	1880.1	1127.2	-11.7	1115.5
		-17.00	1175.9	881.0	2056.9	1233.2	-11.7	1221.5
		-17.50	1204.1	985.5	2189.6	1312.7	-11.7	1301.1
		-18.00	1211.4	1086.4	2297.8	1377.6	-11.7	1365.9
		-18.50	1427.7	1181.0	2608.7	1564.0	-11.7	1552.3
		-19.00	1350.8	1277.5	2628.3	1575.7	-11.7	1564.1
		-19.50	1466.7	1374.0	2840.7	1703.0	-11.7	1691.4
		-20.00	1427.0	1470.5	2897.5	1737.1	-11.7	1725.5
		-20.50	1431.4	1565.7	2997.1	1796.8	-11.7	1785.1
		-21.00	2006.5	1668.3	3674.8	2203.1	-11.7	2191.5
		-21.50	2240.7	1786.7	4027.5	2414.5	-11.7	2402.9
		-22.00	2387.6	1906.7	4294.4	2574.6	-11.7	2562.9
		-22.50	2400.0	2026.7	4426.7	2653.9	-11.7	2642.3
18 - Ontgraven tot	-8.36	-12.50	593.3	113.9	707.3	424.0	-12.4	411.6
		-13.00	631.1	203.0	834.1	500.1	-12.4	487.7
		-13.50	656.2	297.6	953.7	571.8	-12.4	559.4
		-14.00	569.2	379.3	948.5	568.7	-12.4	556.2
		-14.50	554.2	438.2	992.4	595.0	-12.4	582.6
		-15.00	566.9	508.1	1075.0	644.5	-12.4	632.1
		-15.50	543.5	567.8	1111.2	666.2	-12.4	653.8
		-16.00	559.1	609.8	1168.9	700.8	-12.4	688.4
		-16.50	674.6	654.7	1329.3	796.9	-12.4	784.5
		-17.00	1016.3	718.2	1734.6	1039.9	-12.4	1027.5
		-17.50	1049.7	825.5	1875.3	1124.3	-12.4	1111.9
		-18.00	1042.6	945.5	1988.1	1191.9	-12.4	1179.5
		-18.50	885.5	1065.5	1951.0	1169.7	-12.4	1157.3
		-19.00	870.9	1167.7	2038.6	1222.2	-12.4	1209.8
		-19.50	987.5	1248.6	2236.1	1340.6	-12.4	1328.2
		-20.00	906.6	1343.2	2249.8	1348.8	-12.4	1336.4
		-20.50	1039.0	1426.5	2465.5	1478.1	-12.4	1465.7
		-21.00	1288.3	1521.8	2810.1	1684.7	-12.4	1672.3
		-21.50	1305.1	1633.3	2938.4	1761.6	-12.4	1749.2
		-22.00	1320.8	1744.7	3065.5	1837.8	-12.4	1825.4
		-22.50	1923.5	1858.8	3782.3	2267.6	-12.4	2255.1
19 - Ontgraven tot	-8.36	-12.50	656.1	155.3	811.4	486.4	-11.7	474.8
		-13.00	658.1	251.3	909.4	545.2	-11.7	533.6
		-13.50	676.0	327.8	1003.7	601.8	-11.7	590.1
		-14.00	730.3	394.8	1125.2	674.6	-11.7	662.9
		-14.50	751.2	480.8	1232.1	738.7	-11.7	727.0
		-15.00	837.6	550.1	1387.6	831.9	-11.7	820.3
		-15.50	788.7	628.1	1416.8	849.4	-11.7	837.8
		-16.00	777.8	705.0	1482.7	888.9	-11.7	877.3
		-16.50	763.6	775.1	1538.7	922.5	-11.7	910.8
		-17.00	770.1	838.7	1608.9	964.6	-11.7	952.9
		-17.50	1546.8	910.5	2457.3	1473.2	-11.7	1461.5
		-18.00	1412.4	1030.5	2442.9	1464.5	-11.7	1452.9
		-18.50	1381.3	1150.5	2531.8	1517.9	-11.7	1506.2
		-19.00	1153.0	1270.5	2423.5	1452.9	-11.7	1441.3
		-19.50	987.0	1383.3	2370.3	1421.0	-11.7	1409.4
		-20.00	1179.4	1468.4	2647.8	1587.4	-11.7	1575.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	niveau	maai veld paalpunt			Bezwijk draagvermogen			Rekenwaarden		
			$R_{b;cal}$	$R_{s;cal}$	$R_{c;cal}$	$R_{c;d}$	$F_{nk;d}$	$R_{c;netto;d}$			
			[kN]	[kN]	[kN]	[kN]	[kN]	[kN]			
19 - Ontgraven tot	-8.36	-20.50	1110.2	1564.3	2674.5	1603.4	-11.7	1591.8			
		-21.00	1466.2	1664.2	3130.4	1876.8	-11.7	1865.1			
		-21.50	1465.8	1784.2	3250.0	1948.5	-11.7	1936.8			
		-22.00	1916.0	1903.2	3819.1	2289.6	-11.7	2278.0			
		-22.50	1700.5	2023.2	3723.7	2232.4	-11.7	2220.8			



C2 Schroefinjectiepalen

Technosoft Paalfunderingen release 6.71a

22 dec 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

PAALGEGEVENS SI 350

Type	: In de grond gevormde geschroefde paal; groutinjectie
Wijze van installeren	: Schroeven
Wijze van terugwinnen	: n.v.t.
Diameter [m]	: 0.350
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0090 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.63
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Grondverdringende paal
Verm.factor * $\phi'_{j,k}$	: 1.00
Groutomhulling	: JA

PAALGEGEVENS SI 400

Type	: In de grond gevormde geschroefde paal; groutinjectie
Wijze van installeren	: Schroeven
Wijze van terugwinnen	: n.v.t.
Diameter [m]	: 0.400
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0090 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.63
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Grondverdringende paal
Verm.factor * $\phi'_{j,k}$	: 1.00
Groutomhulling	: JA

PAALGEGEVENS SI 450

Type	: In de grond gevormde geschroefde paal; groutinjectie
Wijze van installeren	: Boren
Wijze van terugwinnen	: n.v.t.
Diameter [m]	: 0.450
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0090 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.63
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Grondverdringende paal
Verm.factor * $\phi'_{j,k}$	: 1.00
Groutomhulling	: JA

**PAALGEGEVENS SI 500**

Type	:	In de grond gevormde geschroefde paal; groutinjectie
Wijze van installeren	:	Boren
Wijze van terugwinnen	:	n.v.t.
Diameter	[m] :	0.500
Elasticiteitsmodulus	[N/mm ²] :	20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	:	0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	:	0.0090 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	:	0.63
Paalvoetvormfactor β	:	1.00
Type lastzakingsdiagram	:	Grondverdringende paal
Verm.factor * $\phi'_{j,k}$	:	1.00
Groutomhulling	:	JA

**REKENGEGEVENS SI 350**

Berekening : Ontwerpend
Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
: 17, 18, 19

Stijf bouwwerk : NEE
Paalgroep : NEE
Aantal sonderingen : 19
Factor ξ_3 (n=1) : 1.39 (handmatig)
Factor ξ_3 (gem) : 1.39 (handmatig)
Factor ξ_4 (min) : 1.39 (handmatig)
Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{b,cal,max,i}$ begrenzen op $0.75 * R_{b,cal,max,i}$: NEE
UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 350
Niveau paalkop [m] : N.A.P. 0.00
Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 350

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL SI 350 (n=1)****Uitgangspunten**

- paal : SI 350
- paaltype : In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting : 350 mm
Paalklassefactor α_p : 0.63
Factor α_s (tabel 7.c EC 7.1) : 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	614.1	120.2	734.3	440.2	-71.0	369.3
		-13.00	567.7	194.4	762.1	456.9	-71.0	386.0
		-13.50	588.6	268.6	857.2	513.9	-71.0	443.0
		-14.00	601.5	342.9	944.4	566.2	-71.0	495.2
		-14.50	486.0	399.2	885.1	530.7	-71.0	459.7
		-15.00	451.7	456.5	908.2	544.5	-71.0	473.5
		-15.50	423.0	515.8	938.8	562.8	-71.0	491.9
		-16.00	411.8	555.5	967.3	579.9	-71.0	509.0
		-16.50	507.2	591.1	1098.4	658.5	-71.0	587.5
		-17.00	579.8	642.3	1222.1	732.7	-71.0	661.7
		-17.50	656.3	705.7	1362.0	816.6	-71.0	745.6
		-18.00	614.8	779.9	1394.7	836.2	-71.0	765.2
		-18.50	546.4	854.2	1400.6	839.7	-71.0	768.7
		-19.00	564.9	906.2	1471.1	882.0	-71.0	811.0
		-19.50	548.7	961.6	1510.3	905.4	-71.0	834.5
		-20.00	667.0	1012.4	1679.4	1006.8	-71.0	935.9
		-20.50	644.1	1071.8	1715.9	1028.7	-71.0	957.8
		-21.00	984.8	1136.8	2121.6	1271.9	-71.0	1201.0
		-21.50	1021.4	1211.0	2232.4	1338.3	-71.0	1267.4
		-22.00	1173.4	1285.2	2458.6	1474.0	-71.0	1403.0
		-22.50	1276.4	1359.4	2635.8	1580.2	-71.0	1509.3
2	-4.31	-12.50	530.1	101.9	632.1	378.9	-71.8	307.1
		-13.00	486.8	168.8	655.7	393.1	-71.8	321.2
		-13.50	466.3	236.0	702.3	421.0	-71.8	349.2
		-14.00	477.7	298.3	775.9	465.2	-71.8	393.4
		-14.50	492.7	346.2	838.9	502.9	-71.8	431.1
		-15.00	503.1	388.6	891.7	534.6	-71.8	462.8
		-15.50	507.1	438.4	945.5	566.8	-71.8	495.0
		-16.00	494.3	488.5	982.8	589.2	-71.8	517.4
		-16.50	480.1	541.1	1021.2	612.2	-71.8	540.4
		-17.00	477.3	583.0	1060.3	635.7	-71.8	563.9
		-17.50	582.6	625.3	1208.0	724.2	-71.8	652.4
		-18.00	557.0	684.4	1241.4	744.3	-71.8	672.4
		-18.50	631.2	738.5	1369.7	821.1	-71.8	749.3
		-19.00	642.6	797.8	1440.4	863.6	-71.8	791.7
		-19.50	651.5	854.6	1506.0	902.9	-71.8	831.1
		-20.00	635.9	913.9	1549.8	929.1	-71.8	857.3
		-20.50	641.2	970.8	1612.1	966.5	-71.8	894.6
		-21.00	1009.9	1031.0	2040.9	1223.5	-71.8	1151.7
		-21.50	1119.3	1105.2	2224.5	1333.7	-71.8	1261.8
		-22.00	1129.9	1179.5	2309.3	1384.5	-71.8	1312.7
		-22.50	1166.9	1253.7	2420.6	1451.2	-71.8	1379.4
3	-4.03	-12.50	629.2	122.7	751.9	450.8	-82.3	368.4
		-13.00	590.0	196.9	786.8	471.7	-82.3	389.4
		-13.50	494.4	271.1	765.5	458.9	-82.3	376.6
		-14.00	488.1	341.2	829.2	497.1	-82.3	414.8
		-14.50	480.4	398.4	878.8	526.9	-82.3	444.5
		-15.00	476.5	442.7	919.2	551.0	-82.3	468.7
		-15.50	472.7	483.7	956.4	573.4	-82.3	491.0
		-16.00	476.9	523.2	1000.1	599.6	-82.3	517.2
		-16.50	460.3	569.8	1030.1	617.6	-82.3	535.2
		-17.00	496.8	608.5	1105.3	662.7	-82.3	580.3
		-17.50	680.9	658.4	1339.3	802.9	-82.3	720.6
		-18.00	576.1	727.3	1303.3	781.4	-82.3	699.0
		-18.50	500.7	798.0	1298.7	778.6	-82.3	696.3
		-19.00	404.7	864.8	1269.5	761.1	-82.3	678.7
		-19.50	401.5	908.5	1310.1	785.4	-82.3	703.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	373.9	954.2	1328.1	796.2	-82.3	713.9
		-20.50	633.0	987.5	1620.5	971.5	-82.3	889.2
		-21.00	949.0	1059.1	2008.1	1203.9	-82.3	1121.5
		-21.50	981.9	1133.4	2115.3	1268.1	-82.3	1185.8
		-22.00	1020.8	1207.6	2228.4	1336.0	-82.3	1253.6
		-22.50	1058.0	1281.8	2339.8	1402.8	-82.3	1320.4
4	-4.21	-12.50	559.7	113.6	673.3	403.6	-71.9	331.7
		-13.00	601.5	180.3	781.8	468.7	-71.9	396.8
		-13.50	655.7	247.0	902.8	541.2	-71.9	469.3
		-14.00	748.6	311.4	1060.1	635.5	-71.9	563.6
		-14.50	768.2	376.7	1144.9	686.4	-71.9	614.5
		-15.00	782.1	442.1	1224.2	733.9	-71.9	662.0
		-15.50	765.4	507.4	1272.8	763.1	-71.9	691.2
		-16.00	806.8	576.2	1383.0	829.1	-71.9	757.3
		-16.50	716.2	650.4	1366.7	819.3	-71.9	747.5
		-17.00	604.8	718.1	1322.9	793.1	-71.9	721.2
		-17.50	541.0	776.6	1317.6	790.0	-71.9	718.1
		-18.00	464.7	837.8	1302.6	780.9	-71.9	709.0
		-18.50	429.3	887.4	1316.7	789.4	-71.9	717.5
		-19.00	567.8	928.0	1495.8	896.7	-71.9	824.8
		-19.50	624.3	985.0	1609.3	964.8	-71.9	892.9
		-20.00	683.6	1044.0	1727.6	1035.7	-71.9	963.8
		-20.50	959.5	1113.5	2073.0	1242.8	-71.9	1170.9
		-21.00	1006.8	1187.8	2194.6	1315.7	-71.9	1243.8
		-21.50	999.4	1262.0	2261.3	1355.7	-71.9	1283.8
		-22.00	965.0	1336.2	2301.2	1379.6	-71.9	1307.7
		-22.50	998.3	1410.4	2408.7	1444.1	-71.9	1372.2
5	-4.10	-12.50	628.5	123.4	751.9	450.8	-77.8	373.0
		-13.00	614.7	197.6	812.3	487.0	-77.8	409.2
		-13.50	497.5	271.8	769.3	461.2	-77.8	383.5
		-14.00	479.0	346.1	825.0	494.6	-77.8	416.9
		-14.50	449.5	413.4	862.9	517.3	-77.8	439.6
		-15.00	446.1	454.0	900.1	539.6	-77.8	461.8
		-15.50	542.2	495.4	1037.6	622.1	-77.8	544.3
		-16.00	536.3	554.4	1090.7	653.9	-77.8	576.1
		-16.50	500.6	611.3	1112.0	666.6	-77.8	588.9
		-17.00	553.7	657.9	1211.6	726.4	-77.8	648.6
		-17.50	508.6	715.5	1224.2	733.9	-77.8	656.1
		-18.00	478.1	774.8	1252.9	751.1	-77.8	673.3
		-18.50	469.8	821.1	1290.9	773.9	-77.8	696.2
		-19.00	469.7	860.5	1330.2	797.5	-77.8	719.7
		-19.50	483.5	899.8	1383.3	829.3	-77.8	751.6
		-20.00	603.1	942.3	1545.3	926.5	-77.8	848.7
6	-4.28	-20.50	757.0	1006.6	1763.7	1057.3	-77.8	979.6
		-21.00	1237.5	1080.9	2318.3	1389.9	-77.8	1312.1
		-21.50	1298.3	1155.1	2453.3	1470.8	-77.8	1393.1
		-22.00	1259.8	1229.3	2489.1	1492.3	-77.8	1414.5
		-22.50	1322.6	1303.5	2626.1	1574.4	-77.8	1496.6
		-12.50	613.4	111.3	724.7	434.5	-71.0	363.5
		-13.00	616.3	183.6	799.9	479.5	-71.0	408.6
		-13.50	480.4	255.8	736.2	441.4	-71.0	370.4
		-14.00	491.2	326.6	817.8	490.3	-71.0	419.3
		-14.50	471.3	387.7	859.0	515.0	-71.0	444.0
		-15.00	493.4	429.5	922.9	553.3	-71.0	482.3
		-15.50	556.6	479.8	1036.4	621.3	-71.0	550.4
		-16.00	514.7	539.2	1053.9	631.8	-71.0	560.9
		-16.50	505.4	597.4	1102.8	661.1	-71.0	590.2
		-17.00	482.0	649.7	1131.7	678.5	-71.0	607.6
		-17.50	545.2	692.2	1237.4	741.9	-71.0	670.9
		-18.00	586.2	747.0	1333.2	799.3	-71.0	728.3
		-18.50	640.7	802.1	1442.8	865.0	-71.0	794.1
		-19.00	711.1	866.4	1577.5	945.7	-71.0	874.8
		-19.50	731.0	934.2	1665.2	998.3	-71.0	927.4
		-20.00	1075.0	1000.1	2075.2	1244.1	-71.0	1173.2
		-20.50	1123.8	1074.4	2198.2	1317.9	-71.0	1246.9
		-21.00	1215.8	1148.6	2364.4	1417.5	-71.0	1346.6
		-21.50	1212.7	1222.8	2435.5	1460.2	-71.0	1389.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1247.1	1297.0	2544.1	1525.3	-71.0	1454.3
		-22.50	1226.2	1371.2	2597.5	1557.2	-71.0	1486.3
7	-4.33	-12.50	614.1	117.7	731.8	438.7	-66.7	372.0
		-13.00	675.4	189.2	864.5	518.3	-66.7	451.6
		-13.50	691.0	260.7	951.7	570.6	-66.7	503.8
		-14.00	611.5	331.6	943.1	565.4	-66.7	498.7
		-14.50	595.9	404.2	1000.1	599.6	-66.7	532.8
		-15.00	566.7	470.4	1037.1	621.8	-66.7	555.0
		-15.50	500.2	519.1	1019.4	611.1	-66.7	544.4
		-16.00	483.7	572.9	1056.6	633.4	-66.7	566.7
		-16.50	388.4	631.0	1019.4	611.2	-66.7	544.4
		-17.00	398.5	666.1	1064.6	638.3	-66.7	571.5
		-17.50	368.1	711.1	1079.2	647.0	-66.7	580.3
		-18.00	407.3	752.5	1159.8	695.3	-66.7	628.6
		-18.50	388.9	805.2	1194.1	715.9	-66.7	649.1
		-19.00	384.0	845.2	1229.3	737.0	-66.7	670.2
		-19.50	603.0	891.8	1494.8	896.1	-66.7	829.4
		-20.00	581.1	954.9	1535.9	920.8	-66.7	854.1
		-20.50	535.6	1017.7	1553.3	931.3	-66.7	864.5
		-21.00	819.6	1070.0	1889.6	1132.8	-66.7	1066.1
		-21.50	1011.7	1142.7	2154.4	1291.6	-66.7	1224.9
		-22.00	1203.9	1216.9	2420.9	1451.4	-66.7	1384.6
8	-4.35	-12.50	536.5	112.1	648.5	388.8	-66.3	322.5
		-13.00	511.7	178.4	690.1	413.7	-66.3	347.4
		-13.50	461.6	245.9	707.5	424.2	-66.3	357.8
		-14.00	410.9	307.7	718.6	430.8	-66.3	364.5
		-14.50	374.3	356.0	730.3	437.8	-66.3	371.5
		-15.00	365.1	396.7	761.8	456.7	-66.3	390.4
		-15.50	356.2	430.5	786.7	471.6	-66.3	405.3
		-16.00	382.0	461.3	843.3	505.6	-66.3	439.2
		-16.50	389.2	497.5	886.7	531.6	-66.3	465.3
		-17.00	321.9	544.1	866.1	519.2	-66.3	452.9
		-17.50	295.1	586.4	881.6	528.5	-66.3	462.2
		-18.00	286.3	617.5	903.8	541.9	-66.3	475.5
		-18.50	287.2	642.5	929.7	557.4	-66.3	491.0
		-19.00	328.7	668.3	997.0	597.7	-66.3	531.4
		-19.50	486.8	701.3	1188.1	712.3	-66.3	645.9
		-20.00	711.1	765.2	1476.3	885.1	-66.3	818.7
		-20.50	911.5	839.4	1750.9	1049.7	-66.3	983.4
		-21.00	1106.4	913.6	2020.0	1211.0	-66.3	1144.7
		-21.50	1199.4	987.8	2187.2	1311.3	-66.3	1244.9
		-22.00	1217.3	1062.0	2279.3	1366.5	-66.3	1300.1
		-22.50	1443.2	1136.3	2579.4	1546.4	-66.3	1480.1
9	-4.34	-12.50	618.5	113.1	731.6	438.6	-68.0	370.6
		-13.00	611.9	185.7	797.6	478.2	-68.0	410.2
		-13.50	484.3	258.4	742.7	445.3	-68.0	377.3
		-14.00	484.1	330.4	814.6	488.3	-68.0	420.3
		-14.50	442.8	391.2	834.0	500.0	-68.0	432.0
		-15.00	410.2	436.8	846.9	507.8	-68.0	439.7
		-15.50	373.3	479.1	852.4	511.0	-68.0	443.0
		-16.00	339.9	516.4	856.2	513.3	-68.0	445.3
		-16.50	336.2	549.0	885.1	530.6	-68.0	462.6
		-17.00	330.4	579.5	909.9	545.5	-68.0	477.5
		-17.50	338.0	609.3	947.3	567.9	-68.0	499.9
		-18.00	327.7	641.9	969.5	581.3	-68.0	513.2
		-18.50	391.5	669.2	1060.8	635.9	-68.0	567.9
		-19.00	409.1	710.9	1120.0	671.4	-68.0	603.4
		-19.50	725.9	767.6	1493.5	895.4	-68.0	827.4
		-20.00	738.2	841.9	1580.1	947.3	-68.0	879.3
		-20.50	749.5	916.0	1665.5	998.5	-68.0	930.5
		-21.00	1020.2	989.6	2009.7	1204.9	-68.0	1136.9
		-21.50	1219.4	1063.8	2283.2	1368.8	-68.0	1300.8
		-22.00	1285.5	1138.0	2423.6	1453.0	-68.0	1385.0
		-22.50	1270.3	1212.2	2482.6	1488.3	-68.0	1420.3
10	-4.05	-12.50	520.7	103.7	624.5	374.4	-82.6	291.8
		-13.00	552.5	170.7	723.2	433.6	-82.6	351.0
		-13.50	580.1	237.5	817.6	490.1	-82.6	407.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	637.2	295.1	932.3	558.9	-82.6	476.3
		-14.50	661.1	353.0	1014.1	608.0	-82.6	525.4
		-15.00	487.3	410.8	898.1	538.5	-82.6	455.9
		-15.50	470.9	470.0	940.8	564.0	-82.6	481.4
		-16.00	437.9	524.4	962.3	576.9	-82.6	494.3
		-16.50	496.9	563.3	1060.2	635.6	-82.6	553.0
		-17.00	475.3	620.0	1095.3	656.7	-82.6	574.1
		-17.50	495.0	662.6	1157.6	694.0	-82.6	611.4
		-18.00	666.2	715.8	1382.0	828.5	-82.6	745.9
		-18.50	559.9	779.5	1339.4	803.0	-82.6	720.4
		-19.00	489.9	838.7	1328.6	796.5	-82.6	713.9
		-19.50	549.9	880.2	1430.1	857.4	-82.6	774.8
		-20.00	607.9	933.0	1540.9	923.8	-82.6	841.2
		-20.50	658.6	991.5	1650.1	989.3	-82.6	906.7
		-21.00	783.0	1050.8	1833.8	1099.4	-82.6	1016.8
		-21.50	1104.6	1123.5	2228.1	1335.8	-82.6	1253.2
		-22.00	1333.5	1197.7	2531.2	1517.5	-82.6	1434.9
		-22.50	1252.4	1272.0	2524.3	1513.4	-82.6	1430.8
11	-4.07	-12.50	511.1	87.0	598.1	358.6	-78.3	280.2
		-13.00	472.3	149.7	622.0	372.9	-78.3	294.6
		-13.50	403.0	212.8	615.8	369.2	-78.3	290.9
		-14.00	410.4	271.6	682.0	408.9	-78.3	330.6
		-14.50	396.5	321.5	718.1	430.5	-78.3	352.2
		-15.00	411.8	355.0	766.8	459.7	-78.3	381.4
		-15.50	717.2	398.2	1115.4	668.7	-78.3	590.4
		-16.00	655.4	469.3	1124.7	674.3	-78.3	596.0
		-16.50	629.0	540.7	1169.6	701.2	-78.3	622.9
		-17.00	590.1	606.1	1196.2	717.1	-78.3	638.8
		-17.50	509.2	665.3	1174.5	704.1	-78.3	625.8
		-18.00	474.9	724.6	1199.5	719.1	-78.3	640.8
		-18.50	453.9	775.3	1229.1	736.9	-78.3	658.6
		-19.00	483.3	814.5	1297.9	778.1	-78.3	699.8
		-19.50	588.6	859.7	1448.3	868.3	-78.3	790.0
		-20.00	1150.9	924.8	2075.7	1244.4	-78.3	1166.1
		-20.50	1317.9	999.0	2316.9	1389.0	-78.3	1310.7
		-21.00	1361.0	1073.2	2434.3	1459.4	-78.3	1381.1
		-21.50	1257.0	1147.5	2404.4	1441.5	-78.3	1363.2
		-22.00	1237.4	1221.7	2459.1	1474.3	-78.3	1396.0
		-22.50	1256.6	1295.9	2552.5	1530.3	-78.3	1452.0
12	-4.04	-12.50	628.2	108.3	736.5	441.5	-80.1	361.4
		-13.00	615.0	182.5	797.5	478.1	-80.1	398.0
		-13.50	595.2	256.7	851.9	510.7	-80.1	430.6
		-14.00	624.4	327.6	952.0	570.7	-80.1	490.6
		-14.50	642.8	384.6	1027.4	615.9	-80.1	535.8
		-15.00	712.5	441.7	1154.2	692.0	-80.1	611.8
		-15.50	625.8	501.0	1126.8	675.5	-80.1	595.4
		-16.00	545.3	558.7	1104.0	661.9	-80.1	581.7
		-16.50	533.7	617.7	1151.5	690.3	-80.1	610.2
		-17.00	483.6	672.4	1156.0	693.1	-80.1	612.9
		-17.50	488.5	715.8	1204.3	722.0	-80.1	641.9
		-18.00	456.1	769.5	1225.7	734.8	-80.1	654.7
		-18.50	545.7	812.6	1358.3	814.3	-80.1	734.2
		-19.00	573.4	867.3	1440.6	863.7	-80.1	783.5
		-19.50	631.3	923.7	1555.0	932.3	-80.1	852.1
		-20.00	674.7	983.3	1658.0	994.0	-80.1	913.9
		-20.50	690.5	1045.3	1735.7	1040.6	-80.1	960.5
		-21.00	741.8	1107.2	1849.0	1108.5	-80.1	1028.4
		-21.50	763.7	1169.2	1932.9	1158.8	-80.1	1078.7
		-22.00	988.4	1238.5	2226.9	1335.0	-80.1	1254.9
		-22.50	1001.4	1312.7	2314.1	1387.4	-80.1	1307.2
13	-4.03	-12.50	505.1	114.8	619.9	371.6	-81.2	290.4
		-13.00	434.4	182.7	617.1	369.9	-81.2	288.7
		-13.50	442.5	250.3	692.7	415.3	-81.2	334.1
		-14.00	459.4	305.1	764.5	458.3	-81.2	377.1
		-14.50	507.4	351.5	858.8	514.9	-81.2	433.6
		-15.00	504.1	402.8	906.9	543.7	-81.2	462.4
		-15.50	618.3	452.8	1071.1	642.2	-81.2	560.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	637.1	512.3	1149.5	689.1	-81.2	607.9
		-16.50	628.5	571.7	1200.1	719.5	-81.2	638.3
		-17.00	641.2	629.1	1270.4	761.6	-81.2	680.4
		-17.50	629.1	688.5	1317.6	789.9	-81.2	708.7
		-18.00	626.7	745.5	1372.2	822.7	-81.2	741.4
		-18.50	668.3	798.0	1466.3	879.1	-81.2	797.8
		-19.00	763.4	857.4	1620.8	971.7	-81.2	890.5
		-19.50	760.0	922.9	1682.9	1008.9	-81.2	927.7
		-20.00	774.3	988.7	1763.0	1056.9	-81.2	975.7
		-20.50	826.6	1055.0	1881.6	1128.0	-81.2	1046.8
		-21.00	836.4	1121.3	1957.8	1173.7	-81.2	1092.5
		-21.50	1003.9	1188.9	2192.8	1314.6	-81.2	1233.4
		-22.00	1352.1	1263.1	2615.2	1567.9	-81.2	1486.6
		-22.50	1395.7	1337.3	2733.0	1638.5	-81.2	1557.3
14	-4.04	-12.50	497.7	124.7	622.5	373.2	-80.8	292.4
		-13.00	509.9	199.0	708.8	425.0	-80.8	344.1
		-13.50	474.2	273.2	747.4	448.1	-80.8	367.2
		-14.00	509.4	328.2	837.5	502.1	-80.8	421.3
		-14.50	486.5	384.6	871.0	522.2	-80.8	441.4
		-15.00	534.2	433.1	967.3	579.9	-80.8	499.1
		-15.50	695.6	486.3	1181.9	708.6	-80.8	627.7
		-16.00	672.1	553.6	1225.7	734.8	-80.8	654.0
		-16.50	605.8	621.0	1226.8	735.5	-80.8	654.7
		-17.00	639.3	676.3	1315.6	788.7	-80.8	707.9
		-17.50	662.3	735.2	1397.5	837.8	-80.8	757.0
		-18.00	642.6	793.5	1436.1	861.0	-80.8	780.1
		-18.50	780.5	851.5	1632.0	978.4	-80.8	897.6
		-19.00	278.6	925.7	1204.4	722.0	-80.8	641.2
		-19.50	248.8	1000.0	1248.8	748.7	-80.8	667.8
		-20.00	146.7	1068.4	1215.1	728.5	-80.8	647.6
		-20.50	314.1	1108.5	1422.6	852.9	-80.8	772.0
		-21.00	363.9	1159.7	1523.6	913.4	-80.8	832.6
		-21.50	366.0	1218.9	1584.9	950.2	-80.8	869.3
		-22.00	385.4	1266.8	1652.1	990.5	-80.8	909.6
		-22.50	929.3	1321.4	2250.7	1349.3	-80.8	1268.5
15	-3.79	-12.50	591.8	171.1	762.9	457.4	-84.9	372.4
		-13.00	556.8	243.1	799.8	479.5	-84.9	394.6
		-13.50	602.8	306.4	909.2	545.1	-84.9	460.1
		-14.00	593.3	365.0	958.2	574.5	-84.9	489.5
		-14.50	646.4	419.7	1066.1	639.1	-84.9	554.2
		-15.00	618.1	478.9	1097.0	657.6	-84.9	572.7
		-15.50	616.3	536.4	1152.7	691.1	-84.9	606.1
		-16.00	798.8	598.7	1397.5	837.8	-84.9	752.9
		-16.50	882.9	672.9	1555.9	932.8	-84.9	847.8
		-17.00	779.6	747.1	1526.7	915.3	-84.9	830.4
		-17.50	631.2	821.3	1452.5	870.8	-84.9	785.9
		-18.00	602.0	895.6	1497.6	897.8	-84.9	812.9
		-18.50	536.1	962.9	1499.0	898.7	-84.9	813.8
		-19.00	595.5	1012.8	1608.3	964.2	-84.9	879.2
		-19.50	584.7	1072.2	1656.9	993.3	-84.9	908.4
		-20.00	572.9	1126.7	1699.6	1019.0	-84.9	934.0
		-20.50	494.0	1177.6	1671.6	1002.2	-84.9	917.2
		-21.00	480.0	1235.2	1715.2	1028.3	-84.9	943.3
		-21.50	419.8	1287.3	1707.1	1023.4	-84.9	938.5
		-22.00	825.1	1325.9	2150.9	1289.5	-84.9	1204.6
		-22.50	1036.6	1399.9	2436.5	1460.7	-84.9	1375.8
16	-3.91	-12.50	524.6	135.0	659.6	395.4	-79.8	315.6
		-13.00	444.9	202.2	647.0	387.9	-79.8	308.1
		-13.50	459.3	264.0	723.3	433.6	-79.8	353.8
		-14.00	477.3	319.4	796.8	477.7	-79.8	397.8
		-14.50	489.0	364.4	853.5	511.7	-79.8	431.8
		-15.00	493.1	410.1	903.3	541.5	-79.8	461.7
		-15.50	664.6	462.0	1126.6	675.4	-79.8	595.6
		-16.00	739.4	531.9	1271.4	762.2	-79.8	682.4
		-16.50	639.2	603.8	1243.0	745.2	-79.8	665.4
		-17.00	556.4	675.7	1232.1	738.7	-79.8	658.8
		-17.50	519.6	746.1	1265.7	758.8	-79.8	679.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	539.2	791.3	1330.5	797.7	-79.8	717.8
		-18.50	762.1	842.9	1605.0	962.2	-79.8	882.4
		-19.00	718.3	915.9	1634.2	979.7	-79.8	899.9
		-19.50	731.6	990.1	1721.7	1032.2	-79.8	952.4
		-20.00	694.7	1063.5	1758.2	1054.1	-79.8	974.2
		-20.50	698.3	1122.9	1821.1	1091.8	-79.8	1012.0
		-21.00	690.7	1182.1	1872.8	1122.8	-79.8	1042.9
		-21.50	1362.8	1248.9	2611.6	1565.7	-79.8	1485.9
		-22.00	1149.9	1323.1	2473.0	1482.6	-79.8	1402.8
		-22.50	689.0	1397.3	2086.3	1250.8	-79.8	1170.9
17	-4.01	-12.50	571.2	134.7	705.9	423.2	-77.7	345.5
		-13.00	558.9	206.9	765.8	459.1	-77.7	381.4
		-13.50	522.8	279.1	801.9	480.7	-77.7	403.1
		-14.00	531.8	342.3	874.1	524.0	-77.7	446.4
		-14.50	525.1	397.4	922.5	553.1	-77.7	475.4
		-15.00	574.6	448.9	1023.5	613.6	-77.7	535.9
		-15.50	674.9	503.4	1178.2	706.4	-77.7	628.7
		-16.00	727.4	571.0	1298.4	778.4	-77.7	700.7
		-16.50	740.4	639.1	1379.5	827.0	-77.7	749.3
		-17.00	794.4	710.8	1505.2	902.4	-77.7	824.7
		-17.50	814.5	785.0	1599.5	958.9	-77.7	881.3
		-18.00	817.6	857.6	1675.2	1004.3	-77.7	926.6
		-18.50	932.3	926.4	1858.8	1114.4	-77.7	1036.7
		-19.00	866.3	996.3	1862.5	1116.6	-77.7	1039.0
		-19.50	921.5	1066.1	1987.6	1191.6	-77.7	1113.9
		-20.00	892.6	1135.8	2028.4	1216.1	-77.7	1138.4
		-20.50	893.1	1204.3	2097.4	1257.4	-77.7	1179.8
		-21.00	1153.6	1277.1	2430.6	1457.2	-77.7	1379.5
		-21.50	1401.1	1351.3	2752.4	1650.1	-77.7	1572.4
		-22.00	1443.2	1425.5	2868.6	1719.8	-77.7	1642.1
		-22.50	1443.2	1499.7	2942.9	1764.3	-77.7	1686.6
18	-4.40	-12.50	542.8	109.1	651.8	390.8	-64.7	326.1
		-13.00	488.6	180.7	669.3	401.3	-64.7	336.6
		-13.50	510.7	253.1	763.8	457.9	-64.7	393.3
		-14.00	502.6	318.8	821.4	492.4	-64.7	427.8
		-14.50	408.2	365.6	773.8	463.9	-64.7	399.3
		-15.00	376.0	419.5	795.5	476.9	-64.7	412.2
		-15.50	356.2	465.1	821.3	492.4	-64.7	427.7
		-16.00	360.1	496.8	856.9	513.7	-64.7	449.1
		-16.50	429.9	530.1	960.0	575.6	-64.7	510.9
		-17.00	619.0	576.8	1195.8	716.9	-64.7	652.2
		-17.50	788.2	646.4	1434.6	860.1	-64.7	795.4
		-18.00	652.5	720.6	1373.0	823.2	-64.7	758.5
		-18.50	560.0	794.8	1354.8	812.2	-64.7	747.5
		-19.00	498.5	860.6	1359.2	814.9	-64.7	750.2
		-19.50	609.7	912.9	1522.6	912.8	-64.7	848.2
		-20.00	560.9	972.6	1533.5	919.4	-64.7	854.7
		-20.50	641.1	1027.6	1668.7	1000.4	-64.7	935.8
		-21.00	793.4	1091.3	1884.7	1129.9	-64.7	1065.3
		-21.50	812.6	1165.5	1978.1	1185.9	-64.7	1121.3
		-22.00	821.9	1239.8	2061.7	1236.0	-64.7	1171.3
		-22.50	1175.0	1314.0	2489.0	1492.2	-64.7	1427.5
19	-4.20	-12.50	529.2	148.5	677.6	406.3	-70.4	335.8
		-13.00	540.8	220.4	761.2	456.3	-70.4	385.9
		-13.50	558.3	284.1	842.4	505.0	-70.4	434.6
		-14.00	564.6	339.3	903.9	541.9	-70.4	471.5
		-14.50	548.7	398.7	947.4	568.0	-70.4	497.5
		-15.00	547.8	452.5	1000.3	599.7	-70.4	529.3
		-15.50	559.1	505.8	1064.9	638.4	-70.4	568.0
		-16.00	506.6	561.2	1067.8	640.2	-70.4	569.7
		-16.50	496.2	614.2	1110.4	665.7	-70.4	595.3
		-17.00	491.4	661.7	1153.1	691.3	-70.4	620.9
		-17.50	995.0	712.5	1707.5	1023.7	-70.4	953.2
		-18.00	1046.8	786.7	1833.5	1099.2	-70.4	1028.8
		-18.50	874.7	860.9	1735.6	1040.5	-70.4	970.1
		-19.00	763.6	935.1	1698.7	1018.4	-70.4	948.0
		-19.50	629.3	1007.5	1636.8	981.3	-70.4	910.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.00	748.5	1064.8	1813.3	1087.1	-70.4	1016.7
		-20.50	669.8	1124.2	1794.0	1075.5	-70.4	1005.1
		-21.00	902.7	1190.3	2093.1	1254.8	-70.4	1184.4
		-21.50	907.2	1264.5	2171.7	1302.0	-70.4	1231.6
		-22.00	1167.8	1338.8	2506.6	1502.7	-70.4	1432.3
		-22.50	1148.5	1413.0	2561.5	1535.7	-70.4	1465.3

REKENGEGEVENS SI 400

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 400
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 400

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL SI 400 (n=1)

Uitgangspunten

- paal	: SI 400
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 400 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigkdragvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	736.8	137.4	874.1	524.1	-81.1	443.0
		-13.00	697.8	222.2	920.0	551.5	-81.1	470.5
		-13.50	734.8	307.0	1041.8	624.6	-81.1	543.5
		-14.00	725.0	391.8	1116.8	669.6	-81.1	588.5
		-14.50	608.9	456.2	1065.1	638.6	-81.1	557.5
		-15.00	592.0	521.7	1113.7	667.7	-81.1	586.6
		-15.50	552.5	589.5	1142.0	684.6	-81.1	603.5
		-16.00	538.3	634.8	1173.1	703.3	-81.1	622.2
		-16.50	666.4	675.6	1342.0	804.6	-81.1	723.5
		-17.00	759.6	734.1	1493.7	895.5	-81.1	814.4
		-17.50	828.7	806.5	1635.2	980.4	-81.1	899.3
		-18.00	780.3	891.4	1671.6	1002.2	-81.1	921.1
		-18.50	706.1	976.2	1682.3	1008.6	-81.1	927.5
		-19.00	728.5	1035.7	1764.1	1057.6	-81.1	976.5
		-19.50	713.5	1098.9	1812.4	1086.6	-81.1	1005.5
		-20.00	870.2	1157.1	2027.3	1215.4	-81.1	1134.3
		-20.50	842.4	1224.9	2067.3	1239.4	-81.1	1158.3
		-21.00	1278.0	1299.2	2577.2	1545.1	-81.1	1464.0
		-21.50	1316.7	1384.0	2700.7	1619.1	-81.1	1538.0
		-22.00	1503.2	1468.8	2972.1	1781.8	-81.1	1700.7
		-22.50	1650.3	1553.6	3203.9	1920.8	-81.1	1839.7
2	-4.31	-12.50	613.8	116.5	730.2	437.8	-82.1	355.7
		-13.00	597.7	192.9	790.6	474.0	-82.1	391.9
		-13.50	571.3	269.7	841.0	504.2	-82.1	422.1
		-14.00	591.7	340.9	932.6	559.1	-82.1	477.0
		-14.50	626.1	395.6	1021.8	612.6	-82.1	530.5
		-15.00	670.4	444.1	1114.5	668.2	-82.1	586.1
		-15.50	651.9	501.0	1152.9	691.2	-82.1	609.1
		-16.00	645.7	558.3	1204.1	721.9	-82.1	639.8
		-16.50	627.1	618.4	1245.5	746.7	-82.1	664.6
		-17.00	625.5	666.3	1291.9	774.5	-82.1	692.4
		-17.50	760.4	714.7	1475.1	884.3	-82.1	802.2
		-18.00	725.7	782.2	1507.9	904.0	-82.1	821.9
		-18.50	821.2	843.9	1665.1	998.3	-82.1	916.2
		-19.00	833.7	911.8	1745.5	1046.5	-82.1	964.4
		-19.50	842.9	976.6	1819.5	1090.8	-82.1	1008.7
		-20.00	837.3	1044.5	1881.8	1128.2	-82.1	1046.1
		-20.50	832.8	1109.5	1942.3	1164.5	-82.1	1082.4
		-21.00	1331.4	1178.3	2509.7	1504.6	-82.1	1422.5
		-21.50	1436.3	1263.1	2699.4	1618.3	-82.1	1536.2
		-22.00	1457.1	1347.9	2805.1	1681.7	-82.1	1599.6
		-22.50	1497.1	1432.8	2929.9	1756.5	-82.1	1674.4
3	-4.03	-12.50	766.1	140.2	906.3	543.4	-94.1	449.2
		-13.00	689.5	225.0	914.5	548.3	-94.1	454.1
		-13.50	605.8	309.8	915.6	548.9	-94.1	454.8
		-14.00	601.4	389.9	991.3	594.3	-94.1	500.2
		-14.50	614.7	455.4	1070.0	641.5	-94.1	547.4
		-15.00	617.9	505.9	1123.8	673.7	-94.1	579.6
		-15.50	617.3	552.8	1170.2	701.5	-94.1	607.4
		-16.00	622.9	597.9	1220.9	731.9	-94.1	637.8
		-16.50	602.0	651.2	1253.2	751.3	-94.1	657.2
		-17.00	655.7	695.5	1351.2	810.1	-94.1	715.9
		-17.50	822.6	752.4	1575.1	944.3	-94.1	850.2
		-18.00	745.2	831.2	1576.3	945.0	-94.1	850.9
		-18.50	600.5	912.0	1512.6	906.8	-94.1	812.7
		-19.00	529.0	988.4	1517.4	909.7	-94.1	815.6
		-19.50	524.5	1038.3	1562.8	936.9	-94.1	842.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	488.3	1090.5	1578.8	946.5	-94.1	852.4
		-20.50	826.4	1128.5	1954.9	1172.0	-94.1	1077.9
		-21.00	1197.8	1210.4	2408.3	1443.8	-94.1	1349.7
		-21.50	1262.2	1295.3	2557.5	1533.3	-94.1	1439.2
		-22.00	1301.7	1380.1	2681.8	1607.8	-94.1	1513.7
		-22.50	1361.3	1464.9	2826.2	1694.4	-94.1	1600.2
4	-4.21	-12.50	714.7	129.8	844.5	506.3	-82.2	424.1
		-13.00	755.0	206.1	961.0	576.2	-82.2	494.0
		-13.50	819.6	282.3	1101.9	660.6	-82.2	578.5
		-14.00	910.4	355.9	1266.3	759.2	-82.2	677.0
		-14.50	973.5	430.6	1404.0	841.7	-82.2	759.6
		-15.00	1010.1	505.2	1515.3	908.4	-82.2	826.3
		-15.50	1010.1	579.9	1589.9	953.2	-82.2	871.0
		-16.00	1061.0	658.5	1719.5	1030.9	-82.2	948.7
		-16.50	935.5	743.3	1678.8	1006.5	-82.2	924.3
		-17.00	727.8	820.7	1548.5	928.3	-82.2	846.2
		-17.50	709.7	887.5	1597.2	957.6	-82.2	875.4
		-18.00	607.0	957.5	1564.5	938.0	-82.2	855.8
		-18.50	562.5	1014.2	1576.7	945.2	-82.2	863.1
		-19.00	740.8	1060.5	1801.3	1079.9	-82.2	997.8
		-19.50	811.8	1125.7	1937.5	1161.6	-82.2	1079.4
		-20.00	934.6	1193.1	2127.7	1275.6	-82.2	1193.5
		-20.50	1246.0	1272.6	2518.6	1510.0	-82.2	1427.8
		-21.00	1264.6	1357.4	2622.0	1572.0	-82.2	1489.8
		-21.50	1281.1	1442.3	2723.4	1632.7	-82.2	1550.6
		-22.00	1236.5	1527.1	2763.6	1656.8	-82.2	1574.7
		-22.50	1296.1	1611.9	2908.0	1743.4	-82.2	1661.3
5	-4.10	-12.50	798.8	141.0	939.9	563.5	-88.9	474.6
		-13.00	673.2	225.8	899.1	539.0	-88.9	450.1
		-13.50	600.3	310.7	911.0	546.1	-88.9	457.3
		-14.00	597.0	395.5	992.5	595.0	-88.9	506.2
		-14.50	582.9	472.5	1055.3	632.7	-88.9	543.8
		-15.00	582.6	518.9	1101.5	660.4	-88.9	571.5
		-15.50	707.7	566.2	1273.9	763.7	-88.9	674.8
		-16.00	698.8	633.6	1332.4	798.8	-88.9	709.9
		-16.50	651.4	698.7	1350.1	809.4	-88.9	720.5
		-17.00	701.9	751.9	1453.9	871.6	-88.9	782.7
		-17.50	652.0	817.7	1469.8	881.1	-88.9	792.3
		-18.00	622.8	885.5	1508.2	904.2	-88.9	815.3
		-18.50	613.5	938.4	1551.9	930.4	-88.9	841.5
		-19.00	614.1	983.5	1597.5	957.8	-88.9	868.9
		-19.50	631.5	1028.4	1659.9	995.1	-88.9	906.3
		-20.00	788.3	1076.9	1865.1	1118.2	-88.9	1029.3
		-20.50	1007.6	1150.4	2158.0	1293.8	-88.9	1204.9
		-21.00	1598.7	1235.3	2833.9	1699.0	-88.9	1610.1
		-21.50	1575.4	1320.1	2895.5	1735.9	-88.9	1647.0
		-22.00	1605.8	1404.9	3010.7	1805.0	-88.9	1716.1
		-22.50	1675.4	1489.7	3165.1	1897.6	-88.9	1808.7
6	-4.28	-12.50	728.2	127.2	855.4	512.9	-81.1	431.8
		-13.00	670.8	209.8	880.6	527.9	-81.1	446.8
		-13.50	590.4	292.4	882.8	529.2	-81.1	448.1
		-14.00	610.8	373.2	984.0	589.9	-81.1	508.9
		-14.50	604.0	443.1	1047.1	627.7	-81.1	546.7
		-15.00	650.9	490.9	1141.8	684.5	-81.1	603.4
		-15.50	695.7	548.3	1244.0	745.8	-81.1	664.7
		-16.00	672.7	616.2	1288.9	772.7	-81.1	691.6
		-16.50	658.9	682.7	1341.6	804.3	-81.1	723.2
		-17.00	628.0	742.5	1370.6	821.7	-81.1	740.6
		-17.50	710.9	791.1	1502.0	900.5	-81.1	819.4
		-18.00	762.5	853.7	1616.2	968.9	-81.1	887.8
		-18.50	838.8	916.7	1755.5	1052.5	-81.1	971.4
		-19.00	920.8	990.2	1910.9	1145.6	-81.1	1064.5
		-19.50	943.3	1067.7	2011.0	1205.6	-81.1	1124.5
		-20.00	1389.1	1143.0	2532.1	1518.0	-81.1	1436.9
		-20.50	1447.9	1227.8	2675.8	1604.2	-81.1	1523.1
		-21.00	1561.1	1312.7	2873.8	1722.9	-81.1	1641.8
		-21.50	1559.0	1397.5	2956.4	1772.5	-81.1	1691.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1599.1	1482.3	3081.4	1847.4	-81.1	1766.3
		-22.50	1564.4	1567.1	3131.5	1877.4	-81.1	1796.3
7	-4.33	-12.50	780.7	134.5	915.1	548.6	-76.3	472.4
		-13.00	849.0	216.2	1065.2	638.6	-76.3	562.4
		-13.50	793.2	297.9	1091.2	654.2	-76.3	577.9
		-14.00	752.8	379.0	1131.8	678.6	-76.3	602.3
		-14.50	761.3	462.0	1223.2	733.3	-76.3	657.1
		-15.00	688.8	537.6	1226.4	735.3	-76.3	659.0
		-15.50	653.4	593.3	1246.7	747.4	-76.3	671.1
		-16.00	579.4	654.7	1234.1	739.9	-76.3	663.6
		-16.50	507.3	721.2	1228.4	736.5	-76.3	660.2
		-17.00	520.5	761.2	1281.8	768.4	-76.3	692.2
		-17.50	485.2	812.7	1297.9	778.1	-76.3	701.8
		-18.00	531.9	860.0	1391.9	834.5	-76.3	758.2
		-18.50	507.7	920.2	1427.9	856.1	-76.3	779.8
		-19.00	517.0	966.0	1483.0	889.1	-76.3	812.8
		-19.50	780.1	1019.2	1799.4	1078.7	-76.3	1002.5
		-20.00	753.4	1091.3	1844.7	1105.9	-76.3	1029.7
		-20.50	691.0	1163.1	1854.1	1111.6	-76.3	1035.3
		-21.00	1104.1	1222.8	2327.0	1395.1	-76.3	1318.8
		-21.50	1301.7	1306.0	2607.6	1563.3	-76.3	1487.1
		-22.00	1534.1	1390.8	2924.9	1753.5	-76.3	1677.3
8	-4.35	-12.50	644.6	128.1	772.7	463.2	-75.8	387.4
		-13.00	608.2	203.9	812.1	486.9	-75.8	411.0
		-13.50	541.6	281.0	822.6	493.2	-75.8	417.4
		-14.00	483.7	351.7	835.4	500.8	-75.8	425.0
		-14.50	484.2	406.8	891.0	534.1	-75.8	458.3
		-15.00	476.9	453.4	930.3	557.7	-75.8	481.9
		-15.50	466.5	492.0	958.5	574.6	-75.8	498.8
		-16.00	503.4	527.2	1030.6	617.9	-75.8	542.1
		-16.50	473.2	568.6	1041.8	624.6	-75.8	548.8
		-17.00	403.7	621.9	1025.6	614.8	-75.8	539.0
		-17.50	385.5	670.2	1055.7	632.9	-75.8	557.1
		-18.00	374.0	705.7	1079.7	647.3	-75.8	571.5
		-18.50	377.3	734.3	1111.6	666.4	-75.8	590.6
		-19.00	430.4	763.8	1194.2	716.0	-75.8	640.1
		-19.50	648.5	801.5	1449.9	869.3	-75.8	793.4
		-20.00	919.0	874.5	1793.5	1075.2	-75.8	999.4
		-20.50	1174.9	959.3	2134.2	1279.5	-75.8	1203.7
		-21.00	1409.7	1044.1	2453.8	1471.1	-75.8	1395.3
		-21.50	1516.7	1128.9	2645.6	1586.1	-75.8	1510.3
		-22.00	1531.8	1213.8	2745.6	1646.0	-75.8	1570.2
		-22.50	1848.1	1298.6	3146.6	1886.5	-75.8	1810.7
9	-4.34	-12.50	727.9	129.3	857.1	513.9	-77.7	436.1
		-13.00	693.4	212.3	905.7	543.0	-77.7	465.3
		-13.50	600.4	295.3	895.7	537.0	-77.7	459.2
		-14.00	595.4	377.6	973.1	583.4	-77.7	505.6
		-14.50	547.0	447.1	994.1	596.0	-77.7	518.2
		-15.00	533.1	499.2	1032.2	618.8	-77.7	541.1
		-15.50	452.2	547.6	999.8	599.4	-77.7	521.7
		-16.00	443.9	590.1	1034.0	619.9	-77.7	542.2
		-16.50	439.1	627.4	1066.4	639.3	-77.7	561.6
		-17.00	433.3	662.3	1095.6	656.8	-77.7	579.1
		-17.50	441.5	696.4	1137.8	682.1	-77.7	604.4
		-18.00	428.2	733.6	1161.8	696.5	-77.7	618.8
		-18.50	508.5	764.8	1273.3	763.4	-77.7	685.7
		-19.00	566.8	812.4	1379.2	826.9	-77.7	749.1
		-19.50	941.0	877.3	1818.3	1090.1	-77.7	1012.4
		-20.00	949.8	962.1	1911.9	1146.2	-77.7	1068.5
		-20.50	961.6	1046.8	2008.4	1204.1	-77.7	1126.4
		-21.00	1307.1	1130.9	2438.0	1461.6	-77.7	1383.9
		-21.50	1549.8	1215.8	2765.6	1658.0	-77.7	1580.3
		-22.00	1627.3	1300.6	2927.9	1755.4	-77.7	1677.6
		-22.50	1637.6	1385.4	3023.1	1812.4	-77.7	1734.7
10	-4.05	-12.50	652.0	118.5	770.5	461.9	-94.4	367.5
		-13.00	694.0	195.1	889.1	533.0	-94.4	438.6
		-13.50	723.2	271.4	994.6	596.3	-94.4	501.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	791.1	337.2	1128.3	676.4	-94.4	582.0
		-14.50	694.5	403.4	1097.9	658.2	-94.4	563.8
		-15.00	637.4	469.5	1107.0	663.7	-94.4	569.3
		-15.50	615.0	537.1	1152.1	690.7	-94.4	596.3
		-16.00	572.0	599.3	1171.3	702.2	-94.4	607.8
		-16.50	648.7	643.8	1292.5	774.9	-94.4	680.5
		-17.00	619.7	708.6	1328.3	796.3	-94.4	701.9
		-17.50	657.8	757.3	1415.1	848.4	-94.4	754.0
		-18.00	839.9	818.1	1658.0	994.0	-94.4	899.6
		-18.50	734.0	890.9	1624.9	974.1	-94.4	879.7
		-19.00	635.6	958.6	1594.2	955.7	-94.4	861.3
		-19.50	717.5	1005.9	1723.4	1033.2	-94.4	938.8
		-20.00	792.1	1066.3	1858.4	1114.1	-94.4	1019.7
		-20.50	855.0	1133.2	1988.2	1192.0	-94.4	1097.6
		-21.00	1040.7	1200.9	2241.6	1343.9	-94.4	1249.5
		-21.50	1423.3	1284.0	2707.3	1623.1	-94.4	1528.7
		-22.00	1609.9	1368.8	2978.8	1785.8	-94.4	1691.4
		-22.50	1611.1	1453.7	3064.8	1837.4	-94.4	1743.0
11	-4.07	-12.50	651.7	99.4	751.1	450.3	-89.5	360.8
		-13.00	543.0	171.1	714.0	428.1	-89.5	338.6
		-13.50	496.3	243.3	739.6	443.4	-89.5	353.9
		-14.00	509.9	310.4	820.3	491.8	-89.5	402.3
		-14.50	511.3	367.5	878.8	526.8	-89.5	437.3
		-15.00	542.6	405.7	948.3	568.5	-89.5	479.0
		-15.50	934.7	455.0	1389.8	833.2	-89.5	743.7
		-16.00	844.8	536.4	1381.1	828.0	-89.5	738.5
		-16.50	812.7	617.9	1430.6	857.7	-89.5	768.2
		-17.00	703.3	692.7	1395.9	836.9	-89.5	747.4
		-17.50	660.2	760.3	1420.5	851.6	-89.5	762.1
		-18.00	617.1	828.2	1445.3	866.5	-89.5	777.0
		-18.50	592.8	886.0	1478.8	886.6	-89.5	797.1
		-19.00	631.2	930.9	1562.1	936.5	-89.5	847.0
		-19.50	776.6	982.5	1759.1	1054.6	-89.5	965.1
		-20.00	1530.9	1056.9	2587.8	1551.4	-89.5	1461.9
		-20.50	1688.2	1141.7	2829.9	1696.6	-89.5	1607.1
		-21.00	1664.0	1226.6	2890.6	1733.0	-89.5	1643.4
		-21.50	1529.6	1311.4	2841.0	1703.2	-89.5	1613.7
		-22.00	1565.7	1396.2	2961.9	1775.7	-89.5	1686.2
		-22.50	1590.1	1481.0	3071.2	1841.2	-89.5	1751.7
12	-4.04	-12.50	735.9	123.8	859.7	515.4	-91.6	423.8
		-13.00	735.3	208.6	943.9	565.9	-91.6	474.3
		-13.50	743.7	293.4	1037.1	621.8	-91.6	530.2
		-14.00	771.8	374.4	1146.2	687.2	-91.6	595.6
		-14.50	828.3	439.6	1267.9	760.1	-91.6	668.5
		-15.00	923.2	504.8	1428.0	856.1	-91.6	764.5
		-15.50	743.6	572.6	1316.2	789.1	-91.6	697.5
		-16.00	713.0	638.6	1351.5	810.3	-91.6	718.7
		-16.50	667.6	706.0	1373.6	823.5	-91.6	731.9
		-17.00	631.6	768.5	1400.1	839.4	-91.6	747.8
		-17.50	638.0	818.1	1456.1	873.0	-91.6	781.4
		-18.00	595.9	879.5	1475.3	884.5	-91.6	792.9
		-18.50	712.1	928.7	1640.8	983.7	-91.6	892.1
		-19.00	765.4	991.1	1756.5	1053.1	-91.6	961.5
		-19.50	848.8	1055.7	1904.5	1141.8	-91.6	1050.2
		-20.00	872.4	1123.8	1996.2	1196.8	-91.6	1105.2
		-20.50	888.6	1194.6	2083.2	1248.9	-91.6	1157.3
		-21.00	951.1	1265.4	2216.5	1328.8	-91.6	1237.3
		-21.50	1009.9	1336.2	2346.1	1406.6	-91.6	1315.0
		-22.00	1268.3	1415.4	2683.8	1609.0	-91.6	1517.4
		-22.50	1292.7	1500.2	2793.0	1674.4	-91.6	1582.9
13	-4.03	-12.50	621.3	131.2	752.5	451.1	-92.8	358.3
		-13.00	546.0	208.8	754.8	452.5	-92.8	359.7
		-13.50	552.9	286.0	838.9	502.9	-92.8	410.1
		-14.00	571.7	348.7	920.4	551.8	-92.8	458.9
		-14.50	656.2	401.7	1057.8	634.2	-92.8	541.3
		-15.00	660.0	460.3	1120.3	671.7	-92.8	578.8
		-15.50	804.1	517.5	1321.6	792.3	-92.8	699.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	824.7	585.5	1410.2	845.4	-92.8	752.6
		-16.50	809.7	653.3	1463.0	877.1	-92.8	784.3
		-17.00	822.2	719.0	1541.2	924.0	-92.8	831.1
		-17.50	814.4	786.9	1601.3	960.0	-92.8	867.2
		-18.00	812.8	852.0	1664.8	998.1	-92.8	905.2
		-18.50	876.8	912.0	1788.8	1072.4	-92.8	979.6
		-19.00	995.2	979.9	1975.1	1184.1	-92.8	1091.3
		-19.50	988.1	1054.7	2042.8	1224.7	-92.8	1131.9
		-20.00	1011.2	1129.9	2141.1	1283.6	-92.8	1190.8
		-20.50	1068.9	1205.7	2274.6	1363.7	-92.8	1270.8
		-21.00	1078.8	1281.5	2360.3	1415.0	-92.8	1322.2
		-21.50	1313.8	1358.8	2672.6	1602.3	-92.8	1509.4
		-22.00	1754.0	1443.6	3197.5	1917.0	-92.8	1824.1
		-22.50	1798.7	1528.4	3327.1	1994.6	-92.8	1901.8
14	-4.04	-12.50	611.5	142.6	754.1	452.1	-92.4	359.7
		-13.00	588.3	227.4	815.7	489.0	-92.4	396.6
		-13.50	591.7	312.2	903.9	541.9	-92.4	449.5
		-14.00	633.5	375.1	1008.6	604.7	-92.4	512.3
		-14.50	631.9	439.5	1071.4	642.3	-92.4	550.0
		-15.00	697.3	494.9	1192.2	714.7	-92.4	622.4
		-15.50	906.7	555.8	1462.5	876.8	-92.4	784.4
		-16.00	860.4	632.7	1493.1	895.1	-92.4	802.8
		-16.50	785.1	709.7	1494.7	896.1	-92.4	803.7
		-17.00	828.5	772.9	1601.3	960.0	-92.4	867.6
		-17.50	858.7	840.2	1698.9	1018.5	-92.4	926.1
		-18.00	835.2	906.9	1742.1	1044.4	-92.4	952.0
		-18.50	877.1	973.2	1850.3	1109.3	-92.4	1016.9
		-19.00	363.7	1058.0	1421.7	852.4	-92.4	760.0
		-19.50	325.0	1142.8	1467.8	880.0	-92.4	787.6
		-20.00	191.6	1221.1	1412.6	846.9	-92.4	754.5
		-20.50	420.0	1266.9	1686.9	1011.3	-92.4	919.0
		-21.00	467.6	1325.3	1792.9	1074.9	-92.4	982.5
		-21.50	464.8	1393.0	1857.8	1113.8	-92.4	1021.4
		-22.00	496.7	1447.7	1944.4	1165.7	-92.4	1073.3
		-22.50	1184.6	1510.1	2694.8	1615.6	-92.4	1523.2
15	-3.79	-12.50	673.2	195.5	868.8	520.8	-97.1	423.8
		-13.00	695.6	277.8	973.4	583.6	-97.1	486.5
		-13.50	750.8	350.1	1100.9	660.0	-97.1	562.9
		-14.00	757.5	417.1	1174.6	704.2	-97.1	607.1
		-14.50	844.0	479.7	1323.7	793.6	-97.1	696.5
		-15.00	806.8	547.3	1354.0	811.8	-97.1	714.7
		-15.50	815.3	613.0	1428.3	856.3	-97.1	759.2
		-16.00	1039.8	684.2	1724.0	1033.6	-97.1	936.5
		-16.50	1144.7	769.0	1913.8	1147.3	-97.1	1050.3
		-17.00	857.6	853.9	1711.4	1026.0	-97.1	928.9
		-17.50	825.2	938.7	1763.9	1057.5	-97.1	960.4
		-18.00	786.3	1023.5	1809.8	1085.0	-97.1	988.0
		-18.50	707.4	1100.5	1807.9	1083.9	-97.1	986.8
		-19.00	772.4	1157.5	1929.9	1157.0	-97.1	1059.9
		-19.50	763.4	1225.3	1988.7	1192.3	-97.1	1095.2
		-20.00	701.9	1287.7	1989.6	1192.8	-97.1	1095.7
		-20.50	644.5	1345.8	1990.4	1193.3	-97.1	1096.2
		-21.00	626.9	1411.7	2038.5	1222.1	-97.1	1125.1
		-21.50	548.3	1471.2	2019.5	1210.7	-97.1	1113.6
		-22.00	1111.1	1515.3	2626.4	1574.6	-97.1	1477.5
		-22.50	1340.8	1599.9	2940.7	1763.0	-97.1	1665.9
16	-3.91	-12.50	658.4	154.3	812.6	487.2	-91.2	395.9
		-13.00	549.6	231.0	780.6	468.0	-91.2	376.8
		-13.50	569.7	301.7	871.3	522.4	-91.2	431.1
		-14.00	597.4	365.1	962.4	577.0	-91.2	485.8
		-14.50	633.9	416.5	1050.4	629.7	-91.2	538.5
		-15.00	649.0	468.7	1117.7	670.1	-91.2	578.8
		-15.50	871.5	528.0	1399.5	839.0	-91.2	747.8
		-16.00	887.7	607.9	1495.7	896.7	-91.2	805.4
		-16.50	816.1	690.1	1506.2	903.0	-91.2	811.7
		-17.00	723.8	772.2	1496.0	896.9	-91.2	805.7
		-17.50	675.9	852.6	1528.6	916.4	-91.2	825.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	703.6	904.3	1607.9	964.0	-91.2	872.7
		-18.50	923.3	963.3	1886.6	1131.1	-91.2	1039.8
		-19.00	929.5	1046.7	1976.2	1184.8	-91.2	1093.5
		-19.50	904.2	1131.6	2035.8	1220.5	-91.2	1129.2
		-20.00	899.5	1215.4	2114.9	1267.9	-91.2	1176.7
		-20.50	901.9	1283.3	2185.2	1310.0	-91.2	1218.8
		-21.00	912.6	1351.0	2263.5	1357.0	-91.2	1265.8
		-21.50	1771.3	1427.3	3198.6	1917.6	-91.2	1826.4
		-22.00	1374.5	1512.1	2886.6	1730.6	-91.2	1639.3
		-22.50	829.8	1596.9	2426.7	1454.9	-91.2	1363.6
17	-4.01	-12.50	666.5	153.9	820.4	491.9	-88.8	403.1
		-13.00	686.4	236.4	922.8	553.2	-88.8	464.5
		-13.50	626.2	318.9	945.1	566.6	-88.8	477.9
		-14.00	658.7	391.2	1049.9	629.4	-88.8	540.7
		-14.50	683.9	454.2	1138.1	682.3	-88.8	593.5
		-15.00	750.1	513.0	1263.1	757.3	-88.8	668.5
		-15.50	879.5	575.3	1454.7	872.1	-88.8	783.4
		-16.00	943.3	652.6	1595.9	956.8	-88.8	868.0
		-16.50	964.4	730.4	1694.8	1016.1	-88.8	927.3
		-17.00	1022.2	812.3	1834.5	1099.8	-88.8	1011.1
		-17.50	1044.0	897.2	1941.1	1163.8	-88.8	1075.0
		-18.00	1048.3	980.1	2028.4	1216.1	-88.8	1127.3
		-18.50	1211.5	1058.8	2270.2	1361.0	-88.8	1272.3
		-19.00	1130.3	1138.6	2268.9	1360.2	-88.8	1271.5
		-19.50	1203.6	1218.4	2422.0	1452.0	-88.8	1363.2
		-20.00	1165.8	1298.1	2463.9	1477.2	-88.8	1388.4
		-20.50	1166.3	1376.4	2542.7	1524.4	-88.8	1435.6
		-21.00	1577.0	1459.5	3036.5	1820.5	-88.8	1731.7
		-21.50	1816.1	1544.3	3360.4	2014.6	-88.8	1925.9
		-22.00	1885.0	1629.1	3514.1	2106.8	-88.8	2018.0
		-22.50	1885.0	1713.9	3598.9	2157.6	-88.8	2068.8
18	-4.40	-12.50	603.2	124.7	727.9	436.4	-73.9	362.5
		-13.00	611.2	206.5	817.8	490.3	-73.9	416.4
		-13.50	638.1	289.3	927.4	556.0	-73.9	482.1
		-14.00	552.3	364.4	916.7	549.6	-73.9	475.7
		-14.50	505.6	417.9	923.5	553.6	-73.9	479.7
		-15.00	491.0	479.4	970.5	581.8	-73.9	507.9
		-15.50	465.2	531.6	996.8	597.6	-73.9	523.7
		-16.00	473.5	567.8	1041.2	624.2	-73.9	550.3
		-16.50	565.6	605.8	1171.5	702.3	-73.9	628.4
		-17.00	829.4	659.1	1488.6	892.4	-73.9	818.5
		-17.50	879.2	738.7	1617.9	970.0	-73.9	896.1
		-18.00	854.9	823.5	1678.5	1006.3	-73.9	932.4
		-18.50	725.8	908.4	1634.1	979.7	-73.9	905.8
		-19.00	678.7	983.6	1662.2	996.5	-73.9	922.6
		-19.50	797.0	1043.3	1840.3	1103.3	-73.9	1029.4
		-20.00	729.2	1111.5	1840.7	1103.5	-73.9	1029.6
		-20.50	831.8	1174.4	2006.2	1202.8	-73.9	1128.9
		-21.00	1026.1	1247.2	2273.3	1362.9	-73.9	1289.0
		-21.50	1043.7	1332.0	2375.8	1424.3	-73.9	1350.4
		-22.00	1054.3	1416.9	2471.1	1481.5	-73.9	1407.6
		-22.50	1523.1	1501.7	3024.8	1813.4	-73.9	1739.5
19	-4.20	-12.50	671.2	169.7	840.9	504.1	-80.5	423.6
		-13.00	675.7	251.9	927.6	556.1	-80.5	475.6
		-13.50	653.8	324.7	978.5	586.6	-80.5	506.1
		-14.00	703.4	387.7	1091.2	654.2	-80.5	573.7
		-14.50	713.6	455.6	1169.2	701.0	-80.5	620.5
		-15.00	737.3	517.1	1254.4	752.0	-80.5	671.6
		-15.50	673.0	578.1	1251.1	750.1	-80.5	669.6
		-16.00	661.6	641.4	1303.1	781.2	-80.5	700.7
		-16.50	648.1	701.9	1350.0	809.4	-80.5	728.9
		-17.00	647.5	756.2	1403.7	841.5	-80.5	761.0
		-17.50	1296.9	814.3	2111.2	1265.7	-80.5	1185.2
		-18.00	1239.2	899.1	2138.2	1281.9	-80.5	1201.4
		-18.50	1132.1	983.9	2116.0	1268.6	-80.5	1188.1
		-19.00	960.1	1068.7	2028.9	1216.3	-80.5	1135.9
		-19.50	811.6	1151.4	1963.0	1176.8	-80.5	1096.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.00	965.9	1216.9	2182.8	1308.7	-80.5	1228.2
		-20.50	888.9	1284.8	2173.7	1303.2	-80.5	1222.7
		-21.00	1175.6	1360.4	2536.0	1520.4	-80.5	1439.9
		-21.50	1176.7	1445.2	2621.9	1571.9	-80.5	1491.4
		-22.00	1526.5	1530.0	3056.5	1832.4	-80.5	1751.9
		-22.50	1416.4	1614.8	3031.2	1817.3	-80.5	1736.8

REKENGEGEVENS SI 450

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 450
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 450

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL SI 450 (n=1)

Uitgangspunten

- paal	: SI 450
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 450 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigkdragvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	834.1	154.5	988.6	592.7	-91.2	501.5
		-13.00	854.1	250.0	1104.1	661.9	-91.2	570.7
		-13.50	895.2	345.4	1240.6	743.8	-91.2	652.5
		-14.00	735.4	440.8	1176.3	705.2	-91.2	614.0
		-14.50	730.1	513.2	1243.3	745.4	-91.2	654.2
		-15.00	743.2	586.9	1330.1	797.4	-91.2	706.2
		-15.50	699.2	663.2	1362.4	816.8	-91.2	725.6
		-16.00	681.8	714.2	1396.0	836.9	-91.2	745.7
		-16.50	847.7	760.0	1607.7	963.8	-91.2	872.6
		-17.00	965.5	825.9	1791.3	1073.9	-91.2	982.7
		-17.50	1031.6	907.4	1939.0	1162.5	-91.2	1071.2
		-18.00	960.9	1002.8	1963.7	1177.3	-91.2	1086.1
		-18.50	886.2	1098.2	1984.4	1189.7	-91.2	1098.4
		-19.00	907.8	1165.1	2072.9	1242.8	-91.2	1151.5
		-19.50	893.0	1236.3	2129.3	1276.5	-91.2	1185.3
		-20.00	1099.9	1301.7	2401.6	1439.8	-91.2	1348.6
		-20.50	1071.6	1378.0	2449.6	1468.6	-91.2	1377.4
		-21.00	1609.4	1461.6	3070.9	1841.1	-91.2	1749.9
		-21.50	1656.6	1557.0	3213.6	1926.6	-91.2	1835.4
		-22.00	1873.4	1652.4	3525.8	2113.8	-91.2	2022.6
		-22.50	2048.3	1747.8	3796.2	2275.9	-91.2	2184.7
2	-4.31	-12.50	710.8	131.0	841.8	504.7	-92.4	412.3
		-13.00	703.8	217.1	920.9	552.1	-92.4	459.7
		-13.50	694.2	303.4	997.6	598.1	-92.4	505.7
		-14.00	716.6	383.5	1100.1	659.5	-92.4	567.2
		-14.50	754.6	445.1	1199.7	719.2	-92.4	626.9
		-15.00	837.5	499.6	1337.1	801.6	-92.4	709.3
		-15.50	822.3	563.6	1385.9	830.9	-92.4	738.5
		-16.00	817.3	628.1	1445.4	866.5	-92.4	774.2
		-16.50	793.6	695.7	1489.3	892.9	-92.4	800.5
		-17.00	794.7	749.6	1544.3	925.9	-92.4	833.5
		-17.50	961.8	804.0	1765.8	1058.6	-92.4	966.3
		-18.00	916.7	880.0	1796.7	1077.2	-92.4	984.8
		-18.50	1036.1	949.4	1985.5	1190.3	-92.4	1098.0
		-19.00	1049.7	1025.8	2075.5	1244.3	-92.4	1151.9
		-19.50	1059.3	1098.7	2158.0	1293.8	-92.4	1201.4
		-20.00	1050.2	1175.0	2225.2	1334.0	-92.4	1241.7
		-20.50	1042.8	1248.2	2291.0	1373.5	-92.4	1281.2
		-21.00	1706.5	1325.6	3032.1	1817.8	-92.4	1725.4
		-21.50	1806.2	1421.0	3227.2	1934.8	-92.4	1842.4
		-22.00	1825.8	1516.4	3342.3	2003.7	-92.4	1911.4
		-22.50	1868.1	1611.9	3480.0	2086.3	-92.4	1994.0
3	-4.03	-12.50	895.1	157.7	1052.8	631.2	-105.9	525.3
		-13.00	769.8	253.1	1023.0	613.3	-105.9	507.4
		-13.50	715.6	348.6	1064.1	638.0	-105.9	532.1
		-14.00	716.1	438.6	1154.7	692.3	-105.9	586.4
		-14.50	742.5	512.3	1254.8	752.3	-105.9	646.4
		-15.00	776.1	569.2	1345.2	806.5	-105.9	700.6
		-15.50	781.3	621.9	1403.3	841.3	-105.9	735.4
		-16.00	788.4	672.7	1461.1	875.9	-105.9	770.1
		-16.50	763.1	732.6	1495.7	896.7	-105.9	790.8
		-17.00	839.4	782.4	1621.8	972.3	-105.9	866.5
		-17.50	963.3	846.5	1809.8	1085.0	-105.9	979.1
		-18.00	926.5	935.1	1861.5	1116.0	-105.9	1010.1
		-18.50	723.4	1026.1	1749.4	1048.8	-105.9	942.9
		-19.00	669.5	1111.9	1781.4	1068.0	-105.9	962.1
		-19.50	663.8	1168.1	1831.9	1098.3	-105.9	992.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	618.4	1226.8	1845.2	1106.2	-105.9	1000.4
		-20.50	1046.6	1269.6	2316.2	1388.6	-105.9	1282.7
		-21.00	1494.5	1361.8	2856.3	1712.4	-105.9	1606.5
		-21.50	1577.6	1457.2	3034.8	1819.4	-105.9	1713.5
		-22.00	1616.4	1552.6	3169.0	1899.9	-105.9	1794.0
		-22.50	1711.1	1648.0	3359.1	2013.9	-105.9	1908.0
4	-4.21	-12.50	885.4	146.0	1031.4	618.3	-92.4	525.9
		-13.00	925.2	231.8	1157.1	693.7	-92.4	601.3
		-13.50	996.6	317.6	1314.3	787.9	-92.4	695.5
		-14.00	1097.2	400.4	1497.6	897.8	-92.4	805.4
		-14.50	1175.6	484.4	1660.0	995.2	-92.4	902.8
		-15.00	1250.4	568.4	1818.8	1090.4	-92.4	998.0
		-15.50	1298.5	652.3	1950.9	1169.6	-92.4	1077.2
		-16.00	1342.8	740.8	2083.7	1249.2	-92.4	1156.8
		-16.50	1099.9	836.3	1936.2	1160.8	-92.4	1068.4
		-17.00	921.1	923.3	1844.4	1105.7	-92.4	1013.3
		-17.50	898.2	998.5	1896.7	1137.1	-92.4	1044.7
		-18.00	768.2	1077.2	1845.4	1106.4	-92.4	1013.9
		-18.50	715.0	1141.0	1856.0	1112.7	-92.4	1020.3
		-19.00	936.7	1193.1	2129.8	1276.9	-92.4	1184.5
		-19.50	1023.9	1266.4	2290.4	1373.1	-92.4	1280.7
		-20.00	1233.3	1342.2	2575.6	1544.1	-92.4	1451.7
		-20.50	1546.8	1431.7	2978.5	1785.7	-92.4	1693.2
		-21.00	1566.5	1527.1	3093.6	1854.7	-92.4	1762.3
		-21.50	1592.8	1622.5	3215.3	1927.6	-92.4	1835.2
		-22.00	1527.5	1718.0	3245.5	1945.8	-92.4	1853.3
		-22.50	1628.6	1813.4	3442.0	2063.5	-92.4	1971.1
5	-4.10	-12.50	958.7	158.7	1117.4	669.9	-100.0	569.9
		-13.00	758.3	254.1	1012.4	607.0	-100.0	507.0
		-13.50	719.6	349.5	1069.1	641.0	-100.0	541.0
		-14.00	725.0	444.9	1169.9	701.4	-100.0	601.4
		-14.50	705.6	531.5	1237.1	741.7	-100.0	641.7
		-15.00	736.5	583.7	1320.2	791.5	-100.0	691.5
		-15.50	881.9	636.9	1518.8	910.5	-100.0	810.6
		-16.00	882.8	712.8	1595.6	956.6	-100.0	856.6
		-16.50	822.9	786.0	1608.9	964.5	-100.0	864.6
		-17.00	863.1	845.9	1709.0	1024.6	-100.0	924.6
		-17.50	817.5	920.0	1737.5	1041.7	-100.0	941.7
		-18.00	786.6	996.2	1782.7	1068.8	-100.0	968.8
		-18.50	774.5	1055.7	1830.2	1097.2	-100.0	997.2
		-19.00	778.1	1106.4	1884.5	1129.8	-100.0	1029.8
		-19.50	799.5	1156.9	1956.5	1172.9	-100.0	1073.0
		-20.00	1000.2	1211.5	2211.7	1325.9	-100.0	1226.0
		-20.50	1308.1	1294.2	2602.3	1560.1	-100.0	1460.2
		-21.00	2011.9	1389.7	3401.6	2039.3	-100.0	1939.3
6	-4.28	-21.50	1943.6	1485.1	3428.7	2055.6	-100.0	1955.6
		-22.00	1991.2	1580.5	3571.7	2141.3	-100.0	2041.3
		-22.50	2067.2	1676.0	3743.2	2244.1	-100.0	2144.1
		-12.50	896.7	143.1	1039.8	623.4	-91.2	532.2
		-13.00	728.5	236.0	964.5	578.3	-91.2	487.0
		-13.50	718.4	328.9	1047.3	627.9	-91.2	536.7
		-14.00	741.6	419.9	1161.5	696.3	-91.2	605.1
		-14.50	728.4	498.5	1226.9	735.6	-91.2	644.3
		-15.00	827.8	552.3	1380.1	827.4	-91.2	736.2
		-15.50	869.5	616.9	1486.3	891.1	-91.2	799.9
		-16.00	855.9	693.2	1549.1	928.7	-91.2	837.5
		-16.50	832.7	768.0	1600.7	959.7	-91.2	868.4
		-17.00	793.9	835.4	1629.2	976.8	-91.2	885.5
		-17.50	905.0	890.0	1795.0	1076.2	-91.2	984.9
		-18.00	960.4	960.4	1920.8	1151.6	-91.2	1060.3
		-18.50	1064.6	1031.3	2095.9	1256.5	-91.2	1165.3
		-19.00	1157.4	1113.9	2271.3	1361.7	-91.2	1270.5
		-19.50	1182.5	1201.1	2383.6	1429.0	-91.2	1337.8
		-20.00	1743.0	1285.9	3028.9	1815.9	-91.2	1724.7
		-20.50	1806.1	1381.3	3187.4	1910.9	-91.2	1819.7
		-21.00	1864.9	1476.7	3341.6	2003.4	-91.2	1912.1
		-21.50	1943.8	1572.2	3516.0	2107.9	-91.2	2016.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1993.1	1667.6	3660.7	2194.7	-91.2	2103.5
		-22.50	1943.3	1763.0	3706.3	2222.0	-91.2	2130.8
7	-4.33	-12.50	966.8	151.3	1118.1	670.3	-85.8	584.5
		-13.00	1029.2	243.2	1272.4	762.8	-85.8	677.0
		-13.50	889.0	335.2	1224.1	733.9	-85.8	648.1
		-14.00	906.3	426.4	1332.7	799.0	-85.8	713.2
		-14.50	922.7	519.7	1442.4	864.8	-85.8	778.9
		-15.00	802.0	604.8	1406.8	843.4	-85.8	757.6
		-15.50	826.9	667.5	1494.4	895.9	-85.8	810.1
		-16.00	704.9	736.6	1441.5	864.2	-85.8	778.4
		-16.50	642.0	811.3	1453.3	871.3	-85.8	785.5
		-17.00	651.3	856.4	1507.7	903.9	-85.8	818.1
		-17.50	625.9	914.3	1540.1	923.3	-85.8	837.5
		-18.00	673.1	967.5	1640.6	983.6	-85.8	897.8
		-18.50	642.3	1035.3	1677.6	1005.7	-85.8	919.9
		-19.00	676.5	1086.7	1763.2	1057.1	-85.8	971.3
		-19.50	985.1	1146.6	2131.7	1278.0	-85.8	1192.2
		-20.00	948.1	1227.7	2175.8	1304.4	-85.8	1218.6
		-20.50	865.5	1308.5	2173.9	1303.3	-85.8	1217.5
		-21.00	1435.2	1375.7	2810.9	1685.2	-85.8	1599.4
		-21.50	1633.8	1469.2	3103.0	1860.3	-85.8	1774.5
8	-4.35	-12.50	755.6	144.1	899.7	539.4	-85.3	454.1
		-13.00	721.9	229.3	951.3	570.3	-85.3	485.0
		-13.50	622.3	316.1	938.4	562.6	-85.3	477.3
		-14.00	570.4	395.6	966.0	579.2	-85.3	493.9
		-14.50	587.8	457.7	1045.5	626.8	-85.3	541.5
		-15.00	602.8	510.1	1112.8	667.2	-85.3	581.9
		-15.50	593.3	553.5	1146.8	687.5	-85.3	602.2
		-16.00	641.6	593.1	1234.7	740.2	-85.3	654.9
		-16.50	555.7	639.6	1195.3	716.6	-85.3	631.3
		-17.00	508.1	699.6	1207.7	724.0	-85.3	638.7
		-17.50	487.9	754.0	1241.9	744.5	-85.3	659.2
		-18.00	473.3	793.9	1267.2	759.7	-85.3	674.4
		-18.50	480.4	826.0	1306.4	783.2	-85.3	697.9
		-19.00	546.8	859.2	1406.1	843.0	-85.3	757.7
		-19.50	836.2	901.6	1737.9	1041.9	-85.3	956.6
		-20.00	1151.6	983.8	2135.4	1280.2	-85.3	1194.9
		-20.50	1470.7	1079.2	2549.9	1528.7	-85.3	1443.4
9	-4.34	-12.50	886.1	145.4	1031.6	618.4	-87.4	531.0
		-13.00	718.2	238.8	957.0	573.7	-87.4	486.3
		-13.50	722.9	332.2	1055.1	632.5	-87.4	545.1
		-14.00	699.0	424.8	1123.8	673.7	-87.4	586.3
		-14.50	652.7	503.0	1155.7	692.8	-87.4	605.4
		-15.00	643.8	561.6	1205.4	722.7	-87.4	635.2
		-15.50	570.3	616.0	1186.4	711.3	-87.4	623.8
		-16.00	561.8	663.9	1225.7	734.9	-87.4	647.4
		-16.50	555.7	705.8	1261.5	756.3	-87.4	668.8
		-17.00	551.0	745.1	1296.1	777.0	-87.4	689.6
10	-4.05	-12.50	558.7	783.4	1342.1	804.6	-87.4	717.2
		-17.50	542.4	825.3	1367.6	819.9	-87.4	732.5
		-18.00	643.5	860.4	1503.9	901.6	-87.4	814.2
		-19.00	759.9	914.0	1673.9	1003.5	-87.4	916.1
		-19.50	1184.6	987.0	2171.6	1301.9	-87.4	1214.4
		-20.00	1187.8	1082.4	2270.2	1361.0	-87.4	1273.6
		-20.50	1205.8	1177.7	2383.5	1429.0	-87.4	1341.5
		-21.00	1632.8	1272.3	2905.1	1741.7	-87.4	1654.2
		-21.50	1915.3	1367.7	3283.1	1968.3	-87.4	1880.8
		-22.00	2005.6	1463.2	3468.8	2079.6	-87.4	1992.1
		-22.50	2018.0	1558.6	3576.6	2144.2	-87.4	2056.8
		-12.50	799.4	133.3	932.8	559.2	-106.2	453.0
		-13.00	851.1	219.5	1070.6	641.8	-106.2	535.6
		-13.50	878.8	305.3	1184.1	709.9	-106.2	603.7
		-14.00	962.5	379.4	1341.8	804.4	-106.2	698.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.50	789.8	453.8	1243.6	745.6	-106.2	639.4
		-15.00	801.8	528.2	1330.1	797.4	-106.2	691.2
		-15.50	778.4	604.2	1382.6	828.9	-106.2	722.7
		-16.00	723.9	674.2	1398.1	838.2	-106.2	732.0
		-16.50	820.8	724.3	1545.0	926.3	-106.2	820.1
		-17.00	783.1	797.2	1580.3	947.4	-106.2	841.2
		-17.50	848.6	851.9	1700.5	1019.5	-106.2	913.3
		-18.00	1045.1	920.3	1965.4	1178.3	-106.2	1072.1
		-18.50	929.0	1002.2	1931.3	1157.8	-106.2	1051.6
		-19.00	800.3	1078.4	1878.7	1126.3	-106.2	1020.1
		-19.50	903.1	1131.7	2034.8	1219.9	-106.2	1113.7
		-20.00	1001.5	1199.6	2201.1	1319.6	-106.2	1213.4
		-20.50	1077.1	1274.8	2351.9	1410.0	-106.2	1303.8
		-21.00	1336.9	1351.0	2687.9	1611.5	-106.2	1505.3
		-21.50	1785.4	1444.5	3229.9	1936.4	-106.2	1830.2
		-22.00	1909.5	1539.9	3449.5	2068.0	-106.2	1961.8
		-22.50	2000.6	1635.4	3636.0	2179.8	-106.2	2073.6
11	-4.07	-12.50	720.4	111.8	832.2	498.9	-100.7	398.2
		-13.00	625.4	192.5	817.9	490.3	-100.7	389.6
		-13.50	602.0	273.7	875.7	525.0	-100.7	424.3
		-14.00	618.8	349.3	968.1	580.4	-100.7	479.7
		-14.50	617.6	413.4	1031.0	618.1	-100.7	517.4
		-15.00	689.5	456.4	1145.9	687.0	-100.7	586.3
		-15.50	1076.8	511.9	1588.8	952.5	-100.7	851.8
		-16.00	1066.2	603.4	1669.6	1001.0	-100.7	900.3
		-16.50	985.3	695.1	1680.5	1007.5	-100.7	906.8
		-17.00	843.4	779.2	1622.7	972.8	-100.7	872.1
		-17.50	824.9	855.3	1680.3	1007.3	-100.7	906.7
		-18.00	776.3	931.7	1707.9	1023.9	-100.7	923.2
		-18.50	748.0	996.8	1744.8	1046.0	-100.7	945.3
		-19.00	798.8	1047.3	1846.0	1106.7	-100.7	1006.0
		-19.50	992.0	1105.3	2097.3	1257.4	-100.7	1156.7
		-20.00	1966.5	1189.0	3155.5	1891.8	-100.7	1791.1
		-20.50	2105.8	1284.5	3390.3	2032.5	-100.7	1931.8
		-21.00	1950.6	1379.9	3330.4	1996.7	-100.7	1896.0
		-21.50	1885.3	1475.3	3360.6	2014.7	-100.7	1914.0
12	-4.04	-12.50	912.3	139.3	1051.5	630.4	-103.0	527.4
		-13.00	894.1	234.6	1128.8	676.7	-103.0	573.7
		-13.50	905.1	330.1	1235.1	740.5	-103.0	637.5
		-14.00	935.9	421.2	1357.1	813.6	-103.0	710.6
		-14.50	1017.1	494.5	1511.6	906.3	-103.0	803.2
		-15.00	1130.8	567.9	1698.7	1018.4	-103.0	915.4
		-15.50	922.3	644.2	1566.5	939.2	-103.0	836.1
		-16.00	903.2	718.4	1621.6	972.2	-103.0	869.2
		-16.50	811.2	794.2	1605.4	962.5	-103.0	859.5
		-17.00	799.4	864.6	1663.9	997.6	-103.0	894.5
		-17.50	807.5	920.4	1727.9	1035.9	-103.0	932.9
		-18.00	757.0	989.4	1746.4	1047.0	-103.0	944.0
		-18.50	900.7	1044.8	1945.4	1166.3	-103.0	1063.3
		-19.00	968.1	1115.0	2083.1	1248.9	-103.0	1145.9
		-19.50	1092.1	1187.6	2279.7	1366.7	-103.0	1263.7
		-20.00	1095.5	1264.3	2359.8	1414.7	-103.0	1311.7
		-20.50	1111.5	1343.9	2455.4	1472.1	-103.0	1369.1
		-21.00	1186.2	1423.6	2609.8	1564.6	-103.0	1461.6
13	-4.03	-21.50	1293.5	1503.2	2796.7	1676.7	-103.0	1573.7
		-22.00	1587.9	1592.4	3180.3	1906.6	-103.0	1803.6
		-22.50	1616.6	1687.8	3304.4	1981.1	-103.0	1878.0
		-12.50	699.6	147.6	847.2	507.9	-104.5	403.5
		-13.00	673.3	234.9	908.1	544.4	-104.5	440.0
		-13.50	672.8	321.8	994.5	596.2	-104.5	491.8
		-14.00	694.1	392.2	1086.4	651.3	-104.5	546.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.50	1015.9	735.0	1750.8	1049.7	-104.5	945.2
		-17.00	1030.0	808.9	1838.9	1102.5	-104.5	998.0
		-17.50	1016.6	885.2	1901.9	1140.2	-104.5	1035.8
		-18.00	1023.1	958.5	1981.6	1188.0	-104.5	1083.5
		-18.50	1103.1	1026.0	2129.1	1276.5	-104.5	1172.0
		-19.00	1257.7	1102.4	2360.1	1414.9	-104.5	1310.5
		-19.50	1246.0	1186.6	2432.6	1458.4	-104.5	1353.9
		-20.00	1285.6	1271.2	2556.7	1532.8	-104.5	1428.4
		-20.50	1342.3	1356.4	2698.7	1617.9	-104.5	1513.5
		-21.00	1351.2	1441.7	2792.9	1674.4	-104.5	1570.0
		-21.50	1663.3	1528.6	3191.9	1913.6	-104.5	1809.2
		-22.00	2168.9	1624.0	3793.0	2274.0	-104.5	2169.5
		-22.50	2254.7	1719.4	3974.1	2382.6	-104.5	2278.1
14	-4.04	-12.50	757.6	160.4	918.0	550.4	-103.9	446.4
		-13.00	705.3	255.8	961.1	576.2	-103.9	472.3
		-13.50	719.7	351.2	1070.9	642.0	-103.9	538.1
		-14.00	768.9	422.0	1190.9	713.9	-103.9	610.0
		-14.50	773.5	494.5	1268.0	760.2	-103.9	656.2
		-15.00	879.3	556.8	1436.1	861.0	-103.9	757.0
		-15.50	1107.0	625.3	1732.3	1038.5	-103.9	934.6
		-16.00	1080.9	711.8	1792.7	1074.7	-103.9	970.8
		-16.50	987.5	798.4	1785.9	1070.7	-103.9	966.7
		-17.00	1042.1	869.5	1911.5	1146.0	-103.9	1042.1
		-17.50	1078.7	945.3	2024.0	1213.4	-103.9	1109.5
		-18.00	1048.5	1020.2	2068.7	1240.2	-103.9	1136.3
		-18.50	489.8	1094.8	1584.6	950.0	-103.9	846.1
		-19.00	468.0	1190.2	1658.3	994.2	-103.9	890.2
		-19.50	411.4	1285.7	1697.0	1017.4	-103.9	913.5
		-20.00	261.1	1373.7	1634.8	980.1	-103.9	876.2
		-20.50	555.3	1425.2	1980.5	1187.4	-103.9	1083.4
		-21.00	584.2	1491.0	2075.2	1244.1	-103.9	1140.2
		-21.50	575.3	1567.1	2142.4	1284.4	-103.9	1180.5
		-22.00	638.8	1628.7	2267.5	1359.4	-103.9	1255.5
		-22.50	1470.6	1698.9	3169.5	1900.2	-103.9	1796.2
15	-3.79	-12.50	819.6	220.0	1039.6	623.3	-109.2	514.0
		-13.00	848.7	312.5	1161.2	696.2	-109.2	587.0
		-13.50	911.7	393.9	1305.6	782.7	-109.2	673.5
		-14.00	937.5	469.3	1406.8	843.4	-109.2	734.2
		-14.50	1042.0	539.6	1581.7	948.2	-109.2	839.0
		-15.00	1020.5	615.7	1636.2	980.9	-109.2	871.7
		-15.50	1047.9	689.6	1737.6	1041.7	-109.2	932.5
		-16.00	1312.4	769.7	2082.2	1248.3	-109.2	1139.1
		-16.50	1376.6	865.2	2241.7	1344.0	-109.2	1234.7
		-17.00	1063.9	960.6	2024.5	1213.7	-109.2	1104.5
		-17.50	1050.9	1056.0	2106.9	1263.1	-109.2	1153.9
		-18.00	995.2	1151.4	2146.7	1287.0	-109.2	1177.7
		-18.50	903.5	1238.1	2141.6	1283.9	-109.2	1174.7
		-19.00	977.6	1302.1	2279.7	1366.8	-109.2	1257.5
		-19.50	965.9	1378.5	2344.4	1405.5	-109.2	1296.3
		-20.00	828.8	1448.7	2277.5	1365.4	-109.2	1256.2
		-20.50	815.7	1514.1	2329.8	1396.8	-109.2	1287.5
		-21.00	793.4	1588.1	2381.5	1427.8	-109.2	1318.5
		-21.50	694.0	1655.1	2349.0	1408.3	-109.2	1299.1
		-22.00	1448.3	1704.7	3153.0	1890.3	-109.2	1781.1
		-22.50	1684.0	1799.9	3483.9	2088.7	-109.2	1979.5
16	-3.91	-12.50	727.1	173.5	900.6	540.0	-102.6	437.3
		-13.00	670.0	259.9	929.9	557.5	-102.6	454.8
		-13.50	692.3	339.4	1031.7	618.5	-102.6	515.9
		-14.00	724.1	410.7	1134.8	680.3	-102.6	577.7
		-14.50	778.1	468.6	1246.7	747.4	-102.6	644.8
		-15.00	828.1	527.3	1355.4	812.6	-102.6	710.0
		-15.50	1110.3	594.0	1704.3	1021.8	-102.6	919.1
		-16.00	1048.2	683.9	1732.1	1038.5	-102.6	935.8
		-16.50	1008.5	776.3	1784.8	1070.0	-102.6	967.4
		-17.00	912.4	868.8	1781.1	1067.8	-102.6	965.2
		-17.50	851.0	959.2	1810.2	1085.3	-102.6	982.6
		-18.00	888.1	1017.3	1905.5	1142.4	-102.6	1039.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.50	1167.3	1083.7	2251.0	1349.5	-102.6	1246.9
		-19.00	1174.1	1177.6	2351.7	1409.9	-102.6	1307.2
		-19.50	1135.3	1273.0	2408.3	1443.8	-102.6	1341.2
		-20.00	1124.8	1367.3	2492.1	1494.0	-102.6	1391.4
		-20.50	1131.4	1443.7	2575.1	1543.9	-102.6	1441.2
		-21.00	1180.9	1519.8	2700.7	1619.1	-102.6	1516.5
		-21.50	1996.0	1605.7	3601.7	2159.3	-102.6	2056.6
		-22.00	1335.8	1701.1	3036.9	1820.7	-102.6	1718.0
		-22.50	1018.6	1796.5	2815.2	1687.8	-102.6	1585.1
17	-4.01	-12.50	817.5	173.2	990.6	593.9	-99.9	494.0
		-13.00	839.5	266.0	1105.5	662.8	-99.9	562.9
		-13.50	762.1	358.8	1120.9	672.0	-99.9	572.1
		-14.00	798.8	440.1	1238.9	742.8	-99.9	642.9
		-14.50	834.5	511.0	1345.5	806.7	-99.9	706.8
		-15.00	949.3	577.2	1526.5	915.2	-99.9	815.3
		-15.50	1111.1	647.2	1758.3	1054.1	-99.9	954.3
		-16.00	1187.2	734.1	1921.4	1151.9	-99.9	1052.0
		-16.50	1223.6	821.7	2045.2	1226.2	-99.9	1126.3
		-17.00	1278.6	913.9	2192.5	1314.4	-99.9	1214.6
		-17.50	1301.7	1009.3	2311.0	1385.5	-99.9	1285.6
		-18.00	1302.8	1102.7	2405.4	1442.1	-99.9	1342.2
		-18.50	1513.9	1191.1	2705.0	1621.7	-99.9	1521.8
		-19.00	1426.2	1280.9	2707.0	1622.9	-99.9	1523.1
		-19.50	1523.3	1370.7	2894.0	1735.0	-99.9	1635.1
		-20.00	1475.5	1460.4	2935.8	1760.1	-99.9	1660.2
		-20.50	1476.0	1548.4	3024.4	1813.2	-99.9	1713.3
		-21.00	2058.7	1642.0	3700.7	2218.6	-99.9	2118.7
		-21.50	2284.8	1737.3	4022.2	2411.4	-99.9	2311.5
		-22.00	2385.6	1832.7	4218.4	2529.0	-99.9	2429.1
		-22.50	2385.6	1928.2	4313.8	2586.2	-99.9	2486.4
18	-4.40	-12.50	718.5	140.3	858.7	514.8	-83.1	431.7
		-13.00	752.5	232.4	984.8	590.4	-83.1	507.3
		-13.50	764.5	325.4	1090.0	653.5	-83.1	570.3
		-14.00	637.4	409.9	1047.3	627.9	-83.1	544.7
		-14.50	611.1	470.1	1081.2	648.2	-83.1	565.1
		-15.00	619.1	539.4	1158.5	694.5	-83.1	611.4
		-15.50	588.8	598.0	1186.8	711.5	-83.1	628.4
		-16.00	603.1	638.7	1241.8	744.5	-83.1	661.4
		-16.50	722.0	681.6	1403.6	841.5	-83.1	758.3
		-17.00	1076.3	741.5	1817.8	1089.8	-83.1	1006.7
		-17.50	1090.3	831.1	1921.4	1151.9	-83.1	1068.7
		-18.00	1077.7	926.5	2004.2	1201.5	-83.1	1118.4
		-18.50	913.1	1021.9	1935.0	1160.1	-83.1	1076.9
		-19.00	892.7	1106.5	1999.3	1198.6	-83.1	1115.5
		-19.50	1002.0	1173.7	2175.7	1304.4	-83.1	1221.2
		-20.00	919.5	1250.5	2170.0	1300.9	-83.1	1217.8
		-20.50	1047.3	1321.2	2368.5	1420.0	-83.1	1336.8
		-21.00	1288.1	1403.1	2691.3	1613.5	-83.1	1530.3
		-21.50	1303.6	1498.6	2802.2	1680.0	-83.1	1596.8
		-22.00	1315.6	1594.0	2909.5	1744.3	-83.1	1661.2
		-22.50	1906.7	1689.4	3596.0	2155.9	-83.1	2072.8
19	-4.20	-12.50	836.7	190.9	1027.6	616.1	-90.6	525.5
		-13.00	824.9	283.3	1108.2	664.4	-90.6	573.8
		-13.50	794.4	365.3	1159.7	695.3	-90.6	604.7
		-14.00	852.5	436.2	1288.7	772.6	-90.6	682.0
		-14.50	869.6	512.6	1382.2	828.6	-90.6	738.1
		-15.00	939.9	581.8	1521.7	912.3	-90.6	821.7
		-15.50	850.6	650.4	1501.0	899.9	-90.6	809.3
		-16.00	837.4	721.6	1559.0	934.6	-90.6	844.1
		-16.50	820.3	789.6	1609.9	965.2	-90.6	874.6
		-17.00	825.1	850.7	1675.8	1004.7	-90.6	914.1
		-17.50	1638.8	916.0	2554.9	1531.7	-90.6	1441.1
		-18.00	1475.4	1011.5	2486.9	1491.0	-90.6	1400.4
		-18.50	1435.8	1106.9	2542.7	1524.4	-90.6	1433.8
		-19.00	1191.9	1202.3	2394.2	1435.4	-90.6	1344.8
		-19.50	1021.2	1295.3	2316.5	1388.8	-90.6	1298.2
		-20.00	1209.9	1369.0	2578.9	1546.1	-90.6	1455.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.50	1134.8	1445.4	2580.2	1546.9	-90.6	1456.3
		-21.00	1484.5	1530.4	3014.9	1807.5	-90.6	1716.9
		-21.50	1481.3	1625.8	3107.1	1862.8	-90.6	1772.2
		-22.00	1919.1	1721.3	3640.4	2182.5	-90.6	2091.9
		-22.50	1697.8	1816.7	3514.5	2107.0	-90.6	2016.4

REKENGEDEGEVENS SI 500

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_3 (n=1)$: 1.39 (handmatig)
 Factor $\xi_3 (gem)$: 1.39 (handmatig)
 Factor $\xi_4 (min)$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 500
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 500

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL SI 500 (n=1)

Uitgangspunten

- paal	: SI 500
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 500 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	972.9	171.7	1144.6	686.2	-101.4	584.9
		-13.00	1040.1	277.7	1317.9	790.1	-101.4	688.7
		-13.50	1079.8	383.8	1463.6	877.4	-101.4	776.1
		-14.00	850.3	489.8	1340.1	803.4	-101.4	702.0
		-14.50	863.9	570.3	1434.1	859.8	-101.4	758.4
		-15.00	887.0	652.1	1539.1	922.7	-101.4	821.4
		-15.50	862.0	736.9	1598.9	958.6	-101.4	857.2
		-16.00	842.8	793.5	1636.3	981.0	-101.4	879.7
		-16.50	1050.6	844.5	1895.1	1136.1	-101.4	1034.8
		-17.00	1198.2	917.6	2115.9	1268.5	-101.4	1167.1
		-17.50	1266.1	1008.2	2274.3	1363.5	-101.4	1262.1
		-18.00	1180.2	1114.2	2294.4	1375.6	-101.4	1274.2
		-18.50	1086.6	1220.2	2306.9	1383.0	-101.4	1281.6
		-19.00	1111.6	1294.6	2406.2	1442.5	-101.4	1341.2
		-19.50	1096.5	1373.7	2470.2	1481.0	-101.4	1379.6
		-20.00	1345.2	1446.3	2791.5	1673.6	-101.4	1572.2
		-20.50	1337.2	1531.1	2868.4	1719.7	-101.4	1618.3
		-21.00	1978.8	1624.0	3602.8	2160.0	-101.4	2058.6
		-21.50	2047.3	1730.0	3777.3	2264.6	-101.4	2163.2
		-22.00	2284.1	1836.0	4120.1	2470.1	-101.4	2368.7
		-22.50	2488.6	1942.0	4430.7	2656.3	-101.4	2554.9
2	-4.31	-12.50	843.2	145.6	988.8	592.8	-102.6	490.2
		-13.00	812.7	241.2	1053.9	631.8	-102.6	529.2
		-13.50	829.7	337.1	1166.8	699.5	-102.6	596.9
		-14.00	851.1	426.1	1277.2	765.7	-102.6	663.1
		-14.50	893.9	494.5	1388.4	832.4	-102.6	729.8
		-15.00	973.0	555.1	1528.2	916.2	-102.6	813.5
		-15.50	1010.1	626.2	1636.4	981.0	-102.6	878.4
		-16.00	1009.0	697.9	1706.9	1023.3	-102.6	920.7
		-16.50	979.8	773.0	1752.8	1050.8	-102.6	948.2
		-17.00	984.8	832.9	1817.7	1089.8	-102.6	987.1
		-17.50	1186.9	893.3	2080.2	1247.1	-102.6	1144.5
		-18.00	1130.0	977.8	2107.8	1263.7	-102.6	1161.1
		-18.50	1275.9	1054.9	2330.8	1397.4	-102.6	1294.8
		-19.00	1290.5	1139.8	2430.2	1457.0	-102.6	1354.4
		-19.50	1300.4	1220.8	2521.2	1511.5	-102.6	1408.9
		-20.00	1287.0	1305.6	2592.6	1554.3	-102.6	1451.7
		-20.50	1276.5	1386.9	2663.5	1596.8	-102.6	1494.2
		-21.00	2126.9	1472.9	3599.8	2158.2	-102.6	2055.5
		-21.50	2214.1	1578.9	3793.0	2274.0	-102.6	2171.4
		-22.00	2229.9	1684.9	3914.8	2347.0	-102.6	2244.4
		-22.50	2280.0	1791.0	4071.0	2440.6	-102.6	2338.0
3	-4.03	-12.50	1020.2	175.2	1195.5	716.7	-117.6	599.1
		-13.00	894.9	281.3	1176.2	705.1	-117.6	587.5
		-13.50	848.1	387.3	1235.4	740.6	-117.6	623.0
		-14.00	847.6	487.4	1335.0	800.4	-117.6	682.7
		-14.50	874.2	569.2	1443.4	865.3	-117.6	747.7
		-15.00	920.6	632.4	1553.0	931.0	-117.6	813.4
		-15.50	963.1	691.0	1654.2	991.7	-117.6	874.1
		-16.00	973.3	747.4	1720.7	1031.6	-117.6	914.0
		-16.50	943.6	814.0	1757.7	1053.8	-117.6	936.1
		-17.00	1049.2	869.3	1918.5	1150.2	-117.6	1032.6
		-17.50	1169.4	940.5	2109.9	1264.9	-117.6	1147.3
		-18.00	1019.1	1039.0	2058.1	1233.9	-117.6	1116.2
		-18.50	886.7	1140.1	2026.8	1215.1	-117.6	1097.5
		-19.00	826.6	1235.5	2062.0	1236.2	-117.6	1118.6
		-19.50	819.5	1297.9	2117.4	1269.4	-117.6	1151.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	764.9	1363.1	2128.0	1275.8	-117.6	1158.1
		-20.50	1296.2	1410.6	2706.9	1622.8	-117.6	1505.2
		-21.00	1836.4	1513.1	3349.5	2008.1	-117.6	1890.4
		-21.50	1928.0	1619.1	3547.1	2126.5	-117.6	2008.9
		-22.00	1964.8	1725.1	3689.9	2212.2	-117.6	2094.5
		-22.50	2039.9	1831.1	3871.1	2320.8	-117.6	2203.1
4	-4.21	-12.50	1067.9	162.2	1230.1	737.5	-102.7	634.8
		-13.00	1112.3	257.6	1369.9	821.3	-102.7	718.6
		-13.50	1190.1	352.9	1543.0	925.1	-102.7	822.4
		-14.00	1304.2	444.9	1749.1	1048.6	-102.7	945.9
		-14.50	1393.1	538.2	1931.3	1157.9	-102.7	1055.2
		-15.00	1483.8	631.5	2115.4	1268.2	-102.7	1165.5
		-15.50	1627.3	724.8	2352.1	1410.2	-102.7	1307.5
		-16.00	1657.8	823.2	2481.0	1487.4	-102.7	1384.7
		-16.50	1196.3	929.2	2125.5	1274.3	-102.7	1171.6
		-17.00	1137.1	1025.9	2163.0	1296.8	-102.7	1194.1
		-17.50	1115.1	1109.4	2224.5	1333.6	-102.7	1230.9
		-18.00	948.5	1196.9	2145.3	1286.2	-102.7	1183.5
		-18.50	887.6	1267.7	2155.3	1292.1	-102.7	1189.4
		-19.00	1155.6	1325.7	2481.3	1487.6	-102.7	1384.9
		-19.50	1260.6	1407.2	2667.8	1599.4	-102.7	1496.7
		-20.00	1558.9	1491.4	3050.3	1828.7	-102.7	1726.0
		-20.50	1860.4	1590.8	3451.2	2069.0	-102.7	1966.3
		-21.00	1911.1	1696.8	3607.9	2163.0	-102.7	2060.3
		-21.50	1936.7	1802.8	3739.5	2241.9	-102.7	2139.2
		-22.00	1848.3	1908.9	3757.1	2252.5	-102.7	2149.8
		-22.50	1982.1	2014.9	3997.0	2396.3	-102.7	2293.6
5	-4.10	-12.50	1043.0	176.3	1219.3	731.0	-111.1	619.9
		-13.00	860.1	282.3	1142.4	684.9	-111.1	573.8
		-13.50	859.7	388.3	1248.0	748.2	-111.1	637.1
		-14.00	862.9	494.4	1357.3	813.7	-111.1	702.6
		-14.50	835.5	590.6	1426.1	855.0	-111.1	743.9
		-15.00	879.1	648.6	1527.6	915.8	-111.1	804.8
		-15.50	1088.3	707.7	1796.0	1076.7	-111.1	965.6
		-16.00	1088.3	792.0	1880.3	1127.3	-111.1	1016.2
		-16.50	1015.3	873.3	1888.6	1132.3	-111.1	1021.2
		-17.00	1042.1	939.9	1982.0	1188.3	-111.1	1077.2
		-17.50	1003.0	1022.2	2025.2	1214.1	-111.1	1103.0
		-18.00	968.8	1106.8	2075.6	1244.4	-111.1	1133.3
		-18.50	953.4	1173.0	2126.4	1274.8	-111.1	1163.7
		-19.00	960.4	1229.3	2189.7	1312.8	-111.1	1201.7
		-19.50	988.3	1285.5	2273.7	1363.2	-111.1	1252.1
		-20.00	1243.8	1346.1	2589.9	1552.7	-111.1	1441.6
		-20.50	1657.6	1438.1	3095.7	1855.9	-111.1	1744.8
		-21.00	2311.7	1544.1	3855.8	2311.6	-111.1	2200.5
		-21.50	2373.2	1650.1	4023.3	2412.0	-111.1	2300.9
		-22.00	2417.7	1756.1	4173.8	2502.3	-111.1	2391.2
		-22.50	2498.9	1862.2	4361.1	2614.6	-111.1	2503.5
6	-4.28	-12.50	1076.2	159.0	1235.3	740.6	-101.4	639.2
		-13.00	854.6	262.2	1116.8	669.6	-101.4	568.2
		-13.50	861.9	365.5	1227.3	735.8	-101.4	634.4
		-14.00	883.3	466.5	1349.8	809.2	-101.4	707.9
		-14.50	862.8	553.9	1416.7	849.3	-101.4	748.0
		-15.00	999.5	613.6	1613.1	967.1	-101.4	865.7
		-15.50	1068.9	685.4	1754.4	1051.8	-101.4	950.4
		-16.00	1055.8	770.3	1826.1	1094.8	-101.4	993.4
		-16.50	1026.8	853.4	1880.1	1127.2	-101.4	1025.8
		-17.00	980.1	928.2	1908.2	1144.0	-101.4	1042.7
		-17.50	1127.8	988.9	2116.7	1269.0	-101.4	1167.7
		-18.00	1180.3	1067.1	2247.4	1347.3	-101.4	1246.0
		-18.50	1316.3	1145.9	2462.2	1476.1	-101.4	1374.8
		-19.00	1421.1	1237.7	2658.8	1594.0	-101.4	1492.6
		-19.50	1448.7	1334.6	2783.3	1668.6	-101.4	1567.3
		-20.00	2137.1	1428.8	3565.8	2137.8	-101.4	2036.4
		-20.50	2203.3	1534.8	3738.1	2241.1	-101.4	2139.7
		-21.00	2267.8	1640.8	3908.6	2343.3	-101.4	2241.9
		-21.50	2366.9	1746.9	4113.7	2466.3	-101.4	2364.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	2423.8	1852.9	4276.7	2563.9	-101.4	2462.6
		-22.50	2360.6	1958.9	4319.5	2589.6	-101.4	2488.3
7	-4.33	-12.50	1172.5	168.1	1340.6	803.7	-95.3	708.4
		-13.00	1140.6	270.2	1410.9	845.8	-95.3	750.5
		-13.50	1047.6	372.4	1420.0	851.3	-95.3	756.0
		-14.00	1080.3	473.8	1554.1	931.7	-95.3	836.4
		-14.50	1094.4	577.4	1671.8	1002.3	-95.3	906.9
		-15.00	961.3	672.0	1633.3	979.2	-95.3	883.9
		-15.50	1020.5	741.6	1762.1	1056.4	-95.3	961.1
		-16.00	872.4	818.4	1690.8	1013.7	-95.3	918.3
		-16.50	792.6	901.5	1694.1	1015.6	-95.3	920.3
		-17.00	804.1	951.6	1755.6	1052.5	-95.3	957.2
		-17.50	792.1	1015.9	1808.0	1083.9	-95.3	988.6
		-18.00	830.9	1075.0	1905.9	1142.6	-95.3	1047.3
		-18.50	792.8	1150.3	1943.1	1164.9	-95.3	1069.6
		-19.00	862.4	1207.5	2069.8	1240.9	-95.3	1145.6
		-19.50	1213.8	1274.0	2487.8	1491.5	-95.3	1396.2
		-20.00	1165.1	1364.1	2529.2	1516.3	-95.3	1421.0
		-20.50	1059.9	1453.8	2513.7	1507.0	-95.3	1411.7
		-21.00	1802.1	1528.5	3330.7	1996.8	-95.3	1901.5
		-21.50	2008.5	1632.5	3640.9	2182.8	-95.3	2087.5
8	-4.35	-12.50	858.1	160.1	1018.2	610.5	-94.8	515.7
		-13.00	814.6	254.8	1069.4	641.2	-94.8	546.4
		-13.50	696.0	351.2	1047.2	627.8	-94.8	533.0
		-14.00	675.2	439.6	1114.7	668.3	-94.8	573.5
		-14.50	698.0	508.5	1206.5	723.3	-94.8	628.5
		-15.00	719.4	566.7	1286.1	771.0	-94.8	676.3
		-15.50	735.9	615.0	1351.0	809.9	-94.8	715.2
		-16.00	767.1	659.0	1426.1	855.0	-94.8	760.2
		-16.50	669.1	710.7	1379.8	827.2	-94.8	732.4
		-17.00	628.0	777.3	1405.4	842.6	-94.8	747.8
		-17.50	602.3	837.8	1440.1	863.4	-94.8	768.6
		-18.00	584.3	882.1	1466.5	879.2	-94.8	784.4
		-18.50	596.3	917.8	1514.2	907.8	-94.8	813.0
		-19.00	678.3	954.7	1633.0	979.0	-94.8	884.2
		-19.50	1049.7	1001.8	2051.5	1229.9	-94.8	1135.2
		-20.00	1416.3	1093.1	2509.4	1504.4	-94.8	1409.6
		-20.50	1799.6	1199.1	2998.7	1797.8	-94.8	1703.0
9	-4.34	-12.50	1022.9	161.6	1184.4	710.1	-97.2	612.9
		-13.00	854.6	265.3	1119.9	671.4	-97.2	574.2
		-13.50	853.3	369.1	1222.4	732.8	-97.2	635.7
		-14.00	780.9	472.0	1253.0	751.2	-97.2	654.0
		-14.50	770.0	558.9	1328.9	796.7	-97.2	699.6
		-15.00	700.3	624.0	1324.2	793.9	-97.2	696.7
		-15.50	704.4	684.5	1388.9	832.7	-97.2	735.5
		-16.00	693.6	737.7	1431.3	858.1	-97.2	760.9
		-16.50	686.0	784.2	1470.2	881.4	-97.2	784.3
		-17.00	683.6	827.9	1511.5	906.2	-97.2	809.0
		-17.50	689.8	870.4	1560.2	935.4	-97.2	838.2
10	-4.05	-18.00	670.1	917.0	1587.1	951.5	-97.2	854.3
		-18.50	794.3	956.0	1750.3	1049.4	-97.2	952.2
		-19.00	993.3	1015.5	2008.8	1204.3	-97.2	1107.2
		-19.50	1456.2	1096.6	2552.8	1530.5	-97.2	1433.3
		-20.00	1452.4	1202.6	2655.0	1591.7	-97.2	1494.6
		-20.50	1484.9	1308.6	2793.5	1674.7	-97.2	1577.6
		-21.00	1995.8	1413.7	3409.5	2044.1	-97.2	1946.9
		-21.50	2319.0	1519.7	3838.7	2301.4	-97.2	2204.2
		-22.00	2416.6	1625.7	4042.4	2423.5	-97.2	2326.3
		-22.50	2423.9	1731.8	4155.6	2491.4	-97.2	2394.2
		-12.50	969.6	148.2	1117.8	670.1	-118.0	552.1
		-13.00	1003.1	243.8	1246.9	747.6	-118.0	629.5
		-13.50	1048.7	339.2	1387.9	832.1	-118.0	714.1
		-14.00	1011.7	421.5	1433.2	859.2	-118.0	741.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.50	933.6	504.3	1437.8	862.0	-118.0	744.0
		-15.00	955.9	586.9	1542.8	925.0	-118.0	807.0
		-15.50	959.6	671.4	1631.0	977.8	-118.0	859.8
		-16.00	893.5	749.2	1642.6	984.8	-118.0	866.8
		-16.50	1013.1	804.7	1817.8	1089.8	-118.0	971.8
		-17.00	965.7	885.7	1851.5	1110.0	-118.0	992.0
		-17.50	1067.5	946.6	2014.1	1207.5	-118.0	1089.5
		-18.00	1272.6	1022.6	2295.2	1376.0	-118.0	1258.0
		-18.50	1146.2	1113.6	2259.8	1354.8	-118.0	1236.8
		-19.00	983.7	1198.2	2181.9	1308.1	-118.0	1190.1
		-19.50	1110.0	1257.4	2367.4	1419.3	-118.0	1301.3
		-20.00	1232.5	1332.9	2565.4	1538.0	-118.0	1420.0
		-20.50	1324.8	1416.5	2741.2	1643.4	-118.0	1525.4
		-21.00	1677.6	1501.1	3178.7	1905.7	-118.0	1787.7
		-21.50	2198.7	1605.0	3803.7	2280.4	-118.0	2162.4
		-22.00	2327.9	1711.1	4038.9	2421.4	-118.0	2303.4
		-22.50	2431.9	1817.1	4249.0	2547.3	-118.0	2429.3
11	-4.07	-12.50	804.2	124.2	928.4	556.6	-111.9	444.7
		-13.00	736.8	213.8	950.7	570.0	-111.9	458.1
		-13.50	721.1	304.1	1025.1	614.6	-111.9	502.7
		-14.00	735.5	388.1	1123.6	673.6	-111.9	561.7
		-14.50	732.0	459.4	1191.3	714.2	-111.9	602.3
		-15.00	831.1	507.1	1338.2	802.3	-111.9	690.4
		-15.50	1293.1	568.8	1861.9	1116.2	-111.9	1004.3
		-16.00	1311.1	670.5	1981.5	1188.0	-111.9	1076.1
		-16.50	1126.4	772.4	1898.8	1138.4	-111.9	1026.5
		-17.00	1026.7	865.8	1892.6	1134.6	-111.9	1022.7
		-17.50	1004.5	950.4	1954.9	1172.0	-111.9	1060.1
		-18.00	953.6	1035.2	1988.8	1192.3	-111.9	1080.4
		-18.50	918.0	1107.5	2025.6	1214.4	-111.9	1102.5
		-19.00	984.8	1163.6	2148.4	1288.0	-111.9	1176.2
		-19.50	1236.5	1228.1	2464.6	1477.6	-111.9	1365.7
		-20.00	2421.3	1321.1	3742.5	2243.7	-111.9	2131.8
		-20.50	2483.0	1427.2	3910.2	2344.2	-111.9	2232.4
12	-4.04	-12.50	1038.0	154.7	1192.7	715.1	-114.5	600.6
		-13.00	1079.1	260.7	1339.9	803.3	-114.5	688.8
		-13.50	1081.4	366.7	1448.2	868.2	-114.5	753.7
		-14.00	1111.4	468.0	1579.3	946.9	-114.5	832.4
		-14.50	1222.4	549.5	1771.9	1062.3	-114.5	947.8
		-15.00	1184.0	631.0	1815.0	1088.1	-114.5	973.7
		-15.50	1114.0	715.8	1829.8	1097.0	-114.5	982.5
		-16.00	1115.1	798.2	1913.3	1147.1	-114.5	1032.6
		-16.50	1001.8	882.5	1884.3	1129.6	-114.5	1015.2
		-17.00	986.9	960.6	1947.5	1167.6	-114.5	1053.1
		-17.50	996.9	1022.6	2019.6	1210.8	-114.5	1096.3
		-18.00	942.4	1099.3	2041.8	1224.1	-114.5	1109.6
		-18.50	1111.3	1160.8	2272.2	1362.2	-114.5	1247.7
		-19.00	1191.5	1238.9	2430.4	1457.1	-114.5	1342.6
		-19.50	1319.4	1319.6	2638.9	1582.1	-114.5	1467.6
		-20.00	1343.9	1404.8	2748.6	1647.9	-114.5	1533.4
		-20.50	1359.3	1493.3	2852.6	1710.2	-114.5	1595.7
13	-4.03	-21.00	1447.2	1581.8	3029.0	1815.9	-114.5	1701.5
		-21.50	1616.6	1670.3	3286.9	1970.5	-114.5	1856.1
		-22.00	1934.9	1769.3	3704.1	2220.7	-114.5	2106.2
		-22.50	1971.8	1875.3	3847.1	2306.4	-114.5	2192.0
		-12.50	802.5	164.0	966.5	579.5	-116.1	463.4
		-13.00	810.1	261.0	1071.1	642.2	-116.1	526.1
		-13.50	803.8	357.5	1161.4	696.3	-116.1	580.2
		-14.00	824.5	435.8	1260.3	755.6	-116.1	639.5
		-14.50	952.0	502.1	1454.1	871.7	-116.1	755.7
		-15.00	1009.9	575.4	1585.3	950.4	-116.1	834.3
		-15.50	1247.0	646.9	1894.0	1135.5	-116.1	1019.4
		-16.00	1254.1	731.9	1986.0	1190.7	-116.1	1074.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.50	1245.3	816.6	2062.0	1236.2	-116.1	1120.1
		-17.00	1260.2	898.8	2159.0	1294.4	-116.1	1178.3
		-17.50	1241.2	983.6	2224.8	1333.8	-116.1	1217.7
		-18.00	1247.7	1065.0	2312.7	1386.5	-116.1	1270.5
		-18.50	1354.3	1140.0	2494.3	1495.4	-116.1	1379.3
		-19.00	1545.8	1224.9	2770.7	1661.1	-116.1	1545.1
		-19.50	1533.8	1318.4	2852.2	1710.0	-116.1	1593.9
		-20.00	1599.0	1412.4	3011.5	1805.4	-116.1	1689.4
		-20.50	1646.7	1507.2	3153.9	1890.8	-116.1	1774.8
		-21.00	1654.3	1601.9	3256.1	1952.1	-116.1	1836.1
		-21.50	2054.1	1698.4	3752.5	2249.7	-116.1	2133.7
		-22.00	2635.1	1804.5	4439.6	2661.6	-116.1	2545.5
		-22.50	2700.6	1910.5	4611.1	2764.4	-116.1	2648.4
14	-4.04	-12.50	901.4	178.2	1079.6	647.2	-115.5	531.7
		-13.00	849.3	284.2	1133.6	679.6	-115.5	564.1
		-13.50	859.6	390.3	1249.8	749.3	-115.5	633.8
		-14.00	914.1	468.9	1382.9	829.1	-115.5	713.6
		-14.50	936.3	549.4	1485.7	890.7	-115.5	775.2
		-15.00	1050.7	618.7	1669.3	1000.8	-115.5	885.3
		-15.50	1347.2	694.7	2042.0	1224.2	-115.5	1108.7
		-16.00	1330.5	790.9	2121.4	1271.8	-115.5	1156.3
		-16.50	1213.0	887.1	2100.1	1259.1	-115.5	1143.6
		-17.00	1280.1	966.1	2246.2	1346.6	-115.5	1231.1
		-17.50	1323.7	1050.3	2374.0	1423.3	-115.5	1307.8
		-18.00	1284.9	1133.6	2418.5	1449.9	-115.5	1334.4
		-18.50	614.5	1216.5	1830.9	1097.7	-115.5	982.2
		-19.00	577.8	1322.5	1900.3	1139.3	-115.5	1023.8
		-19.50	507.8	1428.5	1936.4	1160.9	-115.5	1045.4
		-20.00	381.7	1526.3	1908.0	1143.9	-115.5	1028.4
		-20.50	683.4	1583.6	2267.0	1359.1	-115.5	1243.6
		-21.00	713.6	1656.7	2370.3	1421.1	-115.5	1305.6
		-21.50	697.3	1741.2	2438.5	1462.0	-115.5	1346.5
15	-3.79	-12.50	996.9	244.4	1241.3	744.2	-121.4	622.8
		-13.00	1016.4	347.2	1363.6	817.5	-121.4	696.2
		-13.50	1086.4	437.6	1524.0	913.7	-121.4	792.3
		-14.00	1138.5	521.4	1659.9	995.2	-121.4	873.8
		-14.50	1236.9	599.6	1836.5	1101.0	-121.4	979.7
		-15.00	1241.6	684.1	1925.6	1154.5	-121.4	1033.1
		-15.50	1316.6	766.3	2082.8	1248.7	-121.4	1127.4
		-16.00	1616.8	855.3	2472.1	1482.1	-121.4	1360.7
		-16.50	1416.8	961.3	2378.1	1425.7	-121.4	1304.4
		-17.00	1305.5	1067.3	2372.8	1422.6	-121.4	1301.2
		-17.50	1301.0	1173.4	2474.4	1483.4	-121.4	1362.1
		-18.00	1228.7	1279.4	2508.0	1503.6	-121.4	1382.3
		-18.50	1124.6	1375.6	2500.3	1499.0	-121.4	1377.6
		-19.00	1214.6	1446.8	2661.4	1595.6	-121.4	1474.2
		-19.50	1164.9	1531.6	2696.6	1616.6	-121.4	1495.3
		-20.00	1006.6	1609.6	2616.2	1568.5	-121.4	1447.1
		-20.50	1007.1	1682.3	2689.4	1612.3	-121.4	1491.0
		-21.00	979.5	1764.6	2744.1	1645.1	-121.4	1523.8
		-21.50	856.5	1838.9	2695.5	1616.0	-121.4	1494.6
		-22.00	1837.9	1894.1	3732.0	2237.4	-121.4	2116.1
		-22.50	2066.3	1999.9	4066.2	2437.8	-121.4	2316.4
16	-3.91	-12.50	824.6	192.8	1017.4	610.0	-114.1	495.9
		-13.00	795.4	288.8	1084.2	650.0	-114.1	535.9
		-13.50	825.8	377.1	1202.9	721.2	-114.1	607.1
		-14.00	859.3	456.3	1315.7	788.8	-114.1	674.7
		-14.50	923.4	520.6	1444.0	865.7	-114.1	751.7
		-15.00	1018.5	585.9	1604.5	961.9	-114.1	847.9
		-15.50	1380.3	660.0	2040.3	1223.2	-114.1	1109.1
		-16.00	1285.8	759.9	2045.7	1226.5	-114.1	1112.4
		-16.50	1235.0	862.6	2097.6	1257.6	-114.1	1143.5
		-17.00	1122.7	965.3	2088.1	1251.8	-114.1	1137.8
		-17.50	1046.2	1065.8	2112.0	1266.2	-114.1	1152.2
		-18.00	1089.9	1130.4	2220.3	1331.1	-114.1	1217.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.50	1435.2	1204.1	2639.3	1582.3	-114.1	1468.3
		-19.00	1405.7	1308.4	2714.1	1627.2	-114.1	1513.1
		-19.50	1396.2	1414.4	2810.7	1685.1	-114.1	1571.0
		-20.00	1381.0	1519.2	2900.2	1738.7	-114.1	1624.7
		-20.50	1387.0	1604.1	2991.1	1793.2	-114.1	1679.2
		-21.00	1499.3	1688.7	3188.0	1911.3	-114.1	1797.2
		-21.50	2150.2	1784.1	3934.3	2358.7	-114.1	2244.6
		-22.00	1423.2	1890.1	3313.4	1986.4	-114.1	1872.4
		-22.50	1261.3	1996.2	3257.4	1952.9	-114.1	1838.8
17	-4.01	-12.50	975.0	192.4	1167.5	699.9	-111.0	588.9
		-13.00	888.4	295.5	1183.9	709.8	-111.0	598.8
		-13.50	910.0	398.7	1308.7	784.6	-111.0	673.6
		-14.00	948.9	489.0	1437.9	862.0	-111.0	751.1
		-14.50	990.1	567.8	1557.9	934.0	-111.0	823.0
		-15.00	1145.7	641.3	1787.1	1071.4	-111.0	960.4
		-15.50	1369.8	719.1	2088.9	1252.3	-111.0	1141.4
		-16.00	1459.1	815.7	2274.8	1363.8	-111.0	1252.8
		-16.50	1519.3	913.0	2432.3	1458.2	-111.0	1347.2
		-17.00	1563.5	1015.4	2579.0	1546.1	-111.0	1435.2
		-17.50	1587.8	1121.5	2709.2	1624.2	-111.0	1513.3
		-18.00	1584.4	1225.2	2809.6	1684.4	-111.0	1573.4
		-18.50	1803.0	1323.5	3126.4	1874.3	-111.0	1763.4
		-19.00	1741.6	1423.2	3164.8	1897.4	-111.0	1786.4
		-19.50	1880.5	1523.0	3403.4	2040.4	-111.0	1929.5
		-20.00	1821.6	1622.6	3444.2	2064.9	-111.0	1953.9
		-20.50	1822.1	1720.5	3542.6	2123.9	-111.0	2012.9
		-21.00	2589.1	1824.4	4413.5	2646.0	-111.0	2535.0
		-21.50	2807.3	1930.4	4737.6	2840.3	-111.0	2729.3
		-22.00	2945.2	2036.4	4981.6	2986.6	-111.0	2875.6
		-22.50	2945.2	2142.4	5087.7	3050.2	-111.0	2939.2
18	-4.40	-12.50	861.3	155.8	1017.1	609.8	-92.4	517.4
		-13.00	896.3	258.2	1154.5	692.1	-92.4	599.8
		-13.50	807.7	361.6	1169.2	701.0	-92.4	608.6
		-14.00	700.4	455.5	1155.9	693.0	-92.4	600.6
		-14.50	728.9	522.3	1251.2	750.1	-92.4	657.7
		-15.00	738.9	599.3	1338.2	802.3	-92.4	709.9
		-15.50	726.8	664.4	1391.2	834.1	-92.4	741.7
		-16.00	749.2	709.7	1458.9	874.6	-92.4	782.3
		-16.50	900.2	757.3	1657.5	993.7	-92.4	901.3
		-17.00	1342.6	823.9	2166.5	1298.9	-92.4	1206.5
		-17.50	1363.0	923.4	2286.4	1370.7	-92.4	1278.4
		-18.00	1322.7	1029.4	2352.1	1410.2	-92.4	1317.8
		-18.50	1121.8	1135.5	2257.3	1353.3	-92.4	1260.9
		-19.00	1139.6	1229.5	2369.1	1420.3	-92.4	1328.0
		-19.50	1227.8	1304.2	2531.9	1518.0	-92.4	1425.6
		-20.00	1128.1	1389.4	2517.5	1509.3	-92.4	1416.9
		-20.50	1286.9	1468.0	2754.9	1651.6	-92.4	1559.2
		-21.00	1579.9	1559.0	3138.9	1881.9	-92.4	1789.5
		-21.50	1592.2	1665.1	3257.3	1952.8	-92.4	1860.4
		-22.00	1608.7	1771.1	3379.8	2026.3	-92.4	1933.9
		-22.50	2326.9	1877.1	4204.0	2520.4	-92.4	2428.0
19	-4.20	-12.50	1010.2	212.1	1222.3	732.8	-100.6	632.2
		-13.00	895.7	314.8	1210.5	725.7	-100.6	625.1
		-13.50	947.9	405.9	1353.8	811.6	-100.6	711.0
		-14.00	1013.0	484.7	1497.7	897.9	-100.6	797.3
		-14.50	1029.6	569.5	1599.1	958.7	-100.6	858.1
		-15.00	1094.6	646.4	1741.0	1043.8	-100.6	943.2
		-15.50	1051.2	722.6	1773.8	1063.4	-100.6	962.8
		-16.00	1033.8	801.8	1835.6	1100.5	-100.6	999.9
		-16.50	1012.7	877.4	1890.1	1133.1	-100.6	1032.5
		-17.00	1026.1	945.3	1971.4	1181.9	-100.6	1081.3
		-17.50	1939.9	1017.8	2957.7	1773.2	-100.6	1672.6
		-18.00	1818.1	1123.8	2941.9	1763.8	-100.6	1663.1
		-18.50	1694.4	1229.9	2924.3	1753.1	-100.6	1652.5
		-19.00	1471.1	1335.9	2807.0	1682.9	-100.6	1582.2
		-19.50	1265.0	1439.3	2704.3	1621.3	-100.6	1520.6
		-20.00	1481.2	1521.2	3002.4	1800.0	-100.6	1699.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.50	1410.7	1606.0	3016.7	1808.6	-100.6	1708.0
		-21.00	1820.7	1700.5	3521.2	2111.0	-100.6	2010.4
		-21.50	1820.8	1806.5	3627.2	2174.6	-100.6	2074.0
		-22.00	2149.0	1912.5	4061.6	2435.0	-100.6	2334.4
		-22.50	2053.4	2018.5	4071.9	2441.2	-100.6	2340.6

SAMENVATTINGSTABEL SI 350 o (n=1)

Uitgangspunten

- paal	:	SI 350
- paaltype	:	In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	:	350 mm
Paalklassefactor α_p	:	0.63
Factor α_s (tabel 7.c EC 7.1)	:	0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	:	1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	408.8	75.5	484.3	290.3	-8.6	281.7
		-13.00	417.6	131.3	548.9	329.1	-8.6	320.4
		-13.50	439.3	190.7	630.0	377.7	-8.6	369.1
		-14.00	452.8	249.6	702.4	421.1	-8.6	412.4
		-14.50	390.5	292.5	682.9	409.4	-8.6	400.8
		-15.00	366.1	341.9	708.0	424.5	-8.6	415.8
		-15.50	343.9	392.5	736.4	441.5	-8.6	432.8
		-16.00	335.6	424.4	760.1	455.7	-8.6	447.0
		-16.50	416.8	453.7	870.5	521.9	-8.6	513.2
		-17.00	480.7	496.1	976.8	585.6	-8.6	577.0
		-17.50	556.3	549.5	1105.8	662.9	-8.6	654.3
		-18.00	524.5	615.8	1140.3	683.6	-8.6	675.0
		-18.50	468.1	682.0	1150.1	689.5	-8.6	680.9
		-19.00	488.2	726.8	1214.9	728.4	-8.6	719.7
		-19.50	476.1	776.2	1252.3	750.8	-8.6	742.1
		-20.00	582.9	822.0	1405.0	842.3	-8.6	833.7
		-20.50	564.2	881.2	1445.4	866.6	-8.6	857.9
		-21.00	870.6	941.3	1811.9	1086.3	-8.6	1077.7
		-21.50	905.2	1015.6	1920.7	1151.5	-8.6	1142.9
		-22.00	1046.0	1089.8	2135.8	1280.4	-8.6	1271.8
		-22.50	1140.6	1164.0	2304.6	1381.6	-8.6	1373.0
2 - Ontgraven tot	-8.36	-12.50	364.4	64.5	429.0	257.2	-9.6	247.6
		-13.00	358.0	115.8	473.7	284.0	-9.6	274.5
		-13.50	354.4	169.5	523.8	314.0	-9.6	304.5
		-14.00	368.2	217.8	585.9	351.3	-9.6	341.7
		-14.50	385.5	254.3	639.8	383.6	-9.6	374.0
		-15.00	397.8	287.4	685.2	410.8	-9.6	401.2
		-15.50	414.2	327.2	741.4	444.5	-9.6	434.9
		-16.00	408.2	367.7	776.0	465.2	-9.6	455.7
		-16.50	397.7	410.8	808.5	484.7	-9.6	475.1
		-17.00	397.2	445.6	842.8	505.3	-9.6	495.7
		-17.50	491.8	481.1	972.9	583.3	-9.6	573.7
		-18.00	472.2	538.3	1010.5	605.8	-9.6	596.3
		-18.50	543.6	587.0	1130.6	677.8	-9.6	668.3
		-19.00	553.0	644.2	1197.3	717.8	-9.6	708.2
		-19.50	566.9	696.7	1263.6	757.5	-9.6	748.0
		-20.00	554.5	755.2	1309.7	785.2	-9.6	775.6
		-20.50	562.6	809.4	1372.0	822.5	-9.6	813.0
		-21.00	891.6	864.7	1756.4	1053.0	-9.6	1043.4
		-21.50	998.6	939.0	1937.5	1161.6	-9.6	1152.0
		-22.00	1010.8	1013.2	2023.9	1213.4	-9.6	1203.8
		-22.50	1046.1	1087.4	2133.5	1279.1	-9.6	1269.5
3 - Ontgraven tot	-8.36	-12.50	423.6	72.9	496.5	297.7	-9.2	288.5
		-13.00	415.4	131.6	547.0	327.9	-9.2	318.8
		-13.50	362.8	190.9	553.6	331.9	-9.2	322.7
		-14.00	366.5	241.9	608.4	364.7	-9.2	355.6
		-14.50	372.9	283.9	656.8	393.8	-9.2	384.6
		-15.00	369.1	317.2	686.3	411.4	-9.2	402.3
		-15.50	369.2	348.8	718.0	430.4	-9.2	421.3
		-16.00	382.5	379.7	762.1	456.9	-9.2	447.7



-16.50	369.5	416.8	786.3	471.4	-9.2	462.2
-17.00	401.9	448.0	849.9	509.6	-9.2	500.4
-17.50	562.6	488.8	1051.4	630.3	-9.2	621.1
-18.00	480.3	546.4	1026.7	615.6	-9.2	606.4
-18.50	426.7	605.7	1032.4	618.9	-9.2	609.8
-19.00	347.3	661.8	1009.1	605.0	-9.2	595.8
-19.50	345.0	698.9	1044.0	625.9	-9.2	616.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	321.6	738.6	1060.2	635.6	-9.2	626.4
		-20.50	546.7	767.2	1313.9	787.7	-9.2	778.5
		-21.00	829.0	832.6	1661.6	996.2	-9.2	987.0
		-21.50	860.7	906.8	1767.5	1059.6	-9.2	1050.4
		-22.00	896.5	981.0	1877.5	1125.6	-9.2	1116.4
		-22.50	931.0	1055.2	1986.2	1190.8	-9.2	1181.6
4 - Ontgraven tot	-8.36	-12.50	393.9	73.2	467.1	280.1	-8.8	271.2
		-13.00	426.4	132.4	558.8	335.0	-8.8	326.2
		-13.50	471.8	184.4	656.2	393.4	-8.8	384.6
		-14.00	555.7	235.0	790.7	474.1	-8.8	465.2
		-14.50	591.2	290.4	881.6	528.5	-8.8	519.7
		-15.00	613.6	345.4	959.0	574.9	-8.8	566.1
		-15.50	607.3	403.0	1010.3	605.7	-8.8	596.8
		-16.00	670.1	462.4	1132.5	679.0	-8.8	670.1
		-16.50	597.0	530.9	1127.9	676.2	-8.8	667.4
		-17.00	515.0	591.4	1106.3	663.3	-8.8	654.4
		-17.50	462.7	644.4	1107.1	663.7	-8.8	654.9
		-18.00	398.7	703.7	1102.4	660.9	-8.8	652.1
		-18.50	368.7	748.6	1117.3	669.9	-8.8	661.0
		-19.00	490.8	783.8	1274.6	764.1	-8.8	755.3
		-19.50	542.6	837.2	1379.8	827.2	-8.8	818.4
		-20.00	596.0	894.4	1490.4	893.5	-8.8	884.7
		-20.50	841.8	961.0	1802.8	1080.8	-8.8	1072.0
		-21.00	893.4	1035.2	1928.6	1156.2	-8.8	1147.4
		-21.50	890.0	1109.4	1999.4	1198.7	-8.8	1189.9
		-22.00	861.2	1183.6	2044.9	1225.9	-8.8	1217.1
		-22.50	893.3	1257.3	2150.5	1289.3	-8.8	1280.5
5 - Ontgraven tot	-8.36	-12.50	423.1	74.1	497.2	298.1	-8.6	289.4
		-13.00	434.7	131.2	566.0	339.3	-8.6	330.7
		-13.50	368.9	187.0	555.9	333.3	-8.6	324.6
		-14.00	361.5	244.0	605.5	363.0	-8.6	354.4
		-14.50	345.7	296.4	642.1	385.0	-8.6	376.3
		-15.00	344.6	327.3	671.8	402.8	-8.6	394.1
		-15.50	428.8	359.5	788.3	472.6	-8.6	463.9
		-16.00	427.5	409.2	836.7	501.6	-8.6	493.0
		-16.50	400.9	462.5	863.4	517.6	-8.6	509.0
		-17.00	456.7	500.5	957.2	573.9	-8.6	565.2
		-17.50	425.9	553.8	979.7	587.3	-8.6	578.7
		-18.00	405.2	608.7	1013.9	607.9	-8.6	599.2
		-18.50	399.3	647.7	1046.9	627.7	-8.6	619.0
		-19.00	399.8	681.1	1080.9	648.0	-8.6	639.4
		-19.50	413.2	714.6	1127.8	676.2	-8.6	667.5
		-20.00	518.4	751.1	1269.5	761.1	-8.6	752.4
		-20.50	654.6	807.4	1462.0	876.5	-8.6	867.9
		-21.00	1077.8	878.3	1956.1	1172.7	-8.6	1164.1
6 - Ontgraven tot	-8.36	-12.50	434.2	70.4	504.6	302.5	-9.4	293.1
		-13.00	447.8	128.2	576.0	345.3	-9.4	335.9
		-13.50	367.7	185.3	553.1	331.6	-9.4	322.2
		-14.00	380.5	240.0	620.5	372.0	-9.4	362.6
		-14.50	370.4	292.4	662.8	397.3	-9.4	388.0
		-15.00	390.7	325.2	715.9	429.2	-9.4	419.8
		-15.50	452.9	368.2	821.1	492.3	-9.4	482.9
		-16.00	422.8	423.1	845.9	507.1	-9.4	497.7
		-16.50	418.0	472.3	890.4	533.8	-9.4	524.4
		-17.00	401.1	517.4	918.4	550.6	-9.4	541.2
		-17.50	459.0	553.2	1012.2	606.8	-9.4	597.4
		-18.00	498.5	600.9	1099.3	659.1	-9.4	649.7
		-18.50	548.3	648.4	1196.6	717.4	-9.4	708.0
		-19.00	615.6	704.1	1319.8	791.2	-9.4	781.8
		-19.50	635.5	763.5	1399.0	838.8	-9.4	829.4
		-20.00	944.9	821.3	1766.1	1058.8	-9.4	1049.4
		-20.50	991.5	895.4	1886.8	1131.2	-9.4	1121.8
		-21.00	1078.1	969.6	2047.7	1227.6	-9.4	1218.2
		-21.50	1086.2	1043.8	2130.1	1277.0	-9.4	1267.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1120.6	1118.0	2238.6	1342.1	-9.4	1332.7
		-22.50	1103.2	1192.3	2295.5	1376.2	-9.4	1366.8
7 - Ontgraven tot	-8.36	-12.50	437.7	76.5	514.2	308.3	-9.4	298.9
		-13.00	491.0	134.1	625.2	374.8	-9.4	365.4
		-13.50	522.4	193.3	715.7	429.1	-9.4	419.7
		-14.00	484.0	249.6	733.6	439.8	-9.4	430.4
		-14.50	480.8	308.8	789.5	473.3	-9.4	463.9
		-15.00	459.9	362.2	822.2	492.9	-9.4	483.5
		-15.50	420.1	401.8	821.8	492.7	-9.4	483.3
		-16.00	405.8	449.0	854.8	512.5	-9.4	503.1
		-16.50	332.4	505.3	837.7	502.2	-9.4	492.8
		-17.00	341.5	534.9	876.5	525.4	-9.4	516.1
		-17.50	316.1	573.3	889.4	533.2	-9.4	523.8
		-18.00	352.9	609.0	961.9	576.7	-9.4	567.3
		-18.50	338.4	654.7	993.1	595.4	-9.4	586.0
		-19.00	335.2	689.6	1024.8	614.4	-9.4	605.0
		-19.50	533.2	731.5	1264.7	758.2	-9.4	748.8
		-20.00	515.8	790.9	1306.7	783.4	-9.4	774.0
		-20.50	476.8	849.6	1326.3	795.2	-9.4	785.8
		-21.00	732.9	896.4	1629.3	976.8	-9.4	967.4
		-21.50	908.6	967.8	1876.4	1125.0	-9.4	1115.6
		-22.00	1086.1	1042.0	2128.2	1275.9	-9.4	1266.5
8 - Ontgraven tot	-8.36	-12.50	364.5	71.5	436.0	261.4	-8.6	252.8
		-13.00	382.0	123.3	505.3	302.9	-8.6	294.3
		-13.50	355.6	182.5	538.1	322.6	-8.6	314.0
		-14.00	325.3	230.3	555.6	333.1	-8.6	324.4
		-14.50	304.1	267.6	571.7	342.7	-8.6	334.1
		-15.00	296.8	299.8	596.6	357.7	-8.6	349.1
		-15.50	290.7	327.0	617.7	370.3	-8.6	361.7
		-16.00	314.0	352.2	666.2	399.4	-8.6	390.8
		-16.50	327.3	382.2	709.6	425.4	-8.6	416.7
		-17.00	277.1	421.3	698.4	418.7	-8.6	410.1
		-17.50	255.0	457.2	712.2	427.0	-8.6	418.3
		-18.00	247.8	483.7	731.5	438.6	-8.6	429.9
		-18.50	248.9	505.3	754.2	452.1	-8.6	443.5
		-19.00	286.1	527.7	813.8	487.9	-8.6	479.2
		-19.50	426.1	556.5	982.7	589.1	-8.6	580.5
		-20.00	626.7	613.7	1240.4	743.7	-8.6	735.0
		-20.50	806.9	685.0	1491.9	894.4	-8.6	885.8
		-21.00	988.9	759.2	1748.1	1048.0	-8.6	1039.4
		-21.50	1074.7	833.4	1908.1	1143.9	-8.6	1135.3
		-22.00	1092.5	907.6	2000.1	1199.1	-8.6	1190.5
		-22.50	1330.1	981.8	2311.9	1386.0	-8.6	1377.4
9 - Ontgraven tot	-8.36	-12.50	436.2	72.0	508.2	304.7	-9.2	295.5
		-13.00	449.3	130.2	579.6	347.5	-9.2	338.3
		-13.50	372.0	187.4	559.4	335.4	-9.2	326.2
		-14.00	377.6	245.0	622.6	373.3	-9.2	364.1
		-14.50	360.9	292.4	653.3	391.7	-9.2	382.5
		-15.00	338.0	328.3	666.4	399.5	-9.2	390.3
		-15.50	312.5	362.4	674.9	404.6	-9.2	395.5
		-16.00	286.0	392.9	678.9	407.0	-9.2	397.8
		-16.50	283.3	419.9	703.1	421.5	-9.2	412.4
		-17.00	279.0	445.5	724.5	434.4	-9.2	425.2
		-17.50	288.3	470.7	759.0	455.1	-9.2	445.9
		-18.00	280.2	498.6	778.8	466.9	-9.2	457.7
		-18.50	337.9	522.2	860.0	515.6	-9.2	506.4
		-19.00	354.7	558.4	913.1	547.4	-9.2	538.2
		-19.50	639.2	611.9	1251.1	750.1	-9.2	740.9
		-20.00	652.1	686.1	1338.2	802.3	-9.2	793.1
		-20.50	663.6	758.6	1422.2	852.7	-9.2	843.5
		-21.00	907.9	828.0	1735.9	1040.7	-9.2	1031.5
		-21.50	1094.4	902.2	1996.7	1197.0	-9.2	1187.9
		-22.00	1156.7	976.4	2133.1	1278.8	-9.2	1269.6
		-22.50	1144.9	1050.6	2195.6	1316.3	-9.2	1307.1
10 - Ontgraven tot	-8.36	-12.50	350.7	61.2	411.9	247.0	-9.2	237.8
		-13.00	379.7	115.7	495.3	297.0	-9.2	287.8
		-13.50	402.5	170.4	572.9	343.4	-9.2	334.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.00	448.6	211.2	659.9	395.6	-9.2	386.4
		-14.50	495.6	258.4	754.0	452.0	-9.2	442.9
		-15.00	384.4	310.3	694.7	416.5	-9.2	407.3
		-15.50	373.0	359.2	732.2	439.0	-9.2	429.8
		-16.00	347.7	402.8	750.5	450.0	-9.2	440.8
		-16.50	400.8	433.7	834.5	500.3	-9.2	491.1
		-17.00	385.0	483.9	868.9	520.9	-9.2	511.8
		-17.50	403.2	518.7	921.9	552.7	-9.2	543.5
		-18.00	554.6	564.4	1119.0	670.9	-9.2	661.7
		-18.50	469.6	623.8	1093.4	655.5	-9.2	646.4
		-19.00	412.6	677.2	1089.8	653.4	-9.2	644.2
		-19.50	466.5	712.3	1178.8	706.7	-9.2	697.5
		-20.00	518.7	757.9	1276.7	765.4	-9.2	756.2
		-20.50	566.2	810.6	1376.8	825.4	-9.2	816.3
		-21.00	676.1	865.0	1541.1	923.9	-9.2	914.7
		-21.50	960.1	935.5	1895.6	1136.4	-9.2	1127.3
		-22.00	1166.4	1009.7	2176.0	1304.6	-9.2	1295.4
11 - Ontgraven tot	-8.36	-12.50	343.9	52.5	396.4	237.7	-9.2	228.5
		-13.00	335.8	104.7	440.5	264.1	-9.2	254.9
		-13.50	296.0	163.5	459.5	275.5	-9.2	266.3
		-14.00	305.4	207.1	512.6	307.3	-9.2	298.1
		-14.50	301.3	245.2	546.5	327.6	-9.2	318.4
		-15.00	318.2	270.7	589.0	353.1	-9.2	343.9
		-15.50	571.8	304.5	876.4	525.4	-9.2	516.2
		-16.00	530.2	363.3	893.4	535.6	-9.2	526.5
		-16.50	514.7	422.7	937.4	562.0	-9.2	552.8
		-17.00	490.6	480.3	970.9	582.1	-9.2	572.9
		-17.50	428.9	531.8	960.6	575.9	-9.2	566.7
		-18.00	403.7	589.3	992.9	595.3	-9.2	586.1
		-18.50	386.5	632.0	1018.4	610.6	-9.2	601.4
		-19.00	413.4	665.4	1078.8	646.8	-9.2	637.6
		-19.50	505.5	704.1	1209.6	725.2	-9.2	716.0
		-20.00	995.7	762.8	1758.5	1054.3	-9.2	1045.1
		-20.50	1150.4	837.0	1987.5	1191.5	-9.2	1182.4
12 - Ontgraven tot	-8.36	-12.50	415.3	64.4	479.7	287.6	-8.6	279.0
		-13.00	427.9	121.5	549.4	329.4	-8.6	320.7
		-13.50	425.2	180.8	606.0	363.3	-8.6	354.7
		-14.00	450.7	234.8	685.5	411.0	-8.6	402.3
		-14.50	473.9	278.7	752.6	451.2	-8.6	442.6
		-15.00	547.9	326.9	874.8	524.5	-8.6	515.8
		-15.50	505.5	386.2	891.8	534.6	-8.6	526.0
		-16.00	445.4	433.3	878.6	526.7	-8.6	518.1
		-16.50	437.1	482.6	919.7	551.4	-8.6	542.8
		-17.00	402.5	529.2	931.7	558.6	-8.6	549.9
		-17.50	407.3	564.8	972.1	582.8	-8.6	574.1
		-18.00	380.8	610.3	991.1	594.2	-8.6	585.6
		-18.50	458.4	646.3	1104.7	662.3	-8.6	653.7
		-19.00	484.1	695.1	1179.1	706.9	-8.6	698.3
		-19.50	536.4	746.8	1283.3	769.3	-8.6	760.7
		-20.00	578.8	801.9	1380.7	827.8	-8.6	819.1
		-20.50	594.7	859.6	1454.3	871.9	-8.6	863.2
13 - Ontgraven tot	-8.36	-12.50	341.5	69.1	410.6	246.2	-8.6	237.5
		-13.00	306.3	127.6	433.9	260.1	-8.6	251.5
		-13.50	315.7	180.9	496.6	297.7	-8.6	289.1
		-14.00	332.6	220.0	552.6	331.3	-8.6	322.6
		-14.50	380.6	254.0	634.6	380.5	-8.6	371.8
		-15.00	381.3	292.6	673.9	404.0	-8.6	395.4
		-15.50	482.4	331.6	814.0	488.0	-8.6	479.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.00	500.9	385.6	886.5	531.5	-8.6	522.8
		-16.50	497.7	440.9	938.6	562.7	-8.6	554.1
		-17.00	523.8	488.7	1012.5	607.0	-8.6	598.3
		-17.50	518.6	545.4	1064.0	637.9	-8.6	629.2
		-18.00	519.9	593.7	1113.6	667.6	-8.6	659.0
		-18.50	558.2	637.5	1195.6	716.8	-8.6	708.2
		-19.00	645.0	688.8	1333.8	799.6	-8.6	791.0
		-19.50	644.3	748.2	1392.4	834.8	-8.6	826.2
		-20.00	659.0	807.1	1466.0	878.9	-8.6	870.3
		-20.50	710.3	867.4	1577.7	945.9	-8.6	937.2
		-21.00	721.8	928.8	1650.6	989.6	-8.6	980.9
		-21.50	871.4	991.7	1863.1	1117.0	-8.6	1108.3
		-22.00	1185.0	1065.6	2250.6	1349.3	-8.6	1340.7
		-22.50	1229.8	1139.8	2369.6	1420.7	-8.6	1412.0
14 - Ontgraven tot	-8.36	-12.50	339.0	74.7	413.7	248.0	-8.6	239.4
		-13.00	355.3	133.5	488.8	293.1	-8.6	284.4
		-13.50	348.1	189.7	537.8	322.4	-8.6	313.8
		-14.00	375.1	228.9	604.0	362.1	-8.6	353.5
		-14.50	364.8	272.0	636.8	381.8	-8.6	373.1
		-15.00	406.5	310.2	716.7	429.7	-8.6	421.0
		-15.50	545.2	351.2	896.4	537.4	-8.6	528.7
		-16.00	532.5	409.7	942.1	564.8	-8.6	556.2
		-16.50	481.6	468.8	950.4	569.8	-8.6	561.2
		-17.00	523.2	513.4	1036.7	621.5	-8.6	612.8
		-17.50	539.2	564.1	1103.3	661.5	-8.6	652.8
		-18.00	534.8	617.4	1152.2	690.8	-8.6	682.1
		-18.50	659.1	668.7	1327.8	796.1	-8.6	787.4
		-19.00	237.9	736.0	973.9	583.9	-8.6	575.2
		-19.50	212.9	803.3	1016.2	609.2	-8.6	600.6
		-20.00	125.9	863.1	989.0	592.9	-8.6	584.3
		-20.50	271.2	898.7	1169.8	701.3	-8.6	692.7
		-21.00	318.0	946.4	1264.5	758.1	-8.6	749.4
		-21.50	320.5	1004.4	1324.9	794.3	-8.6	785.7
		-22.00	337.9	1046.3	1384.2	829.9	-8.6	821.2
		-22.50	819.7	1097.5	1917.2	1149.4	-8.6	1140.7
15 - Ontgraven tot	-8.36	-12.50	385.9	104.9	490.8	294.2	-7.3	286.9
		-13.00	385.1	163.2	548.2	328.7	-7.3	321.4
		-13.50	422.7	206.9	629.6	377.5	-7.3	370.2
		-14.00	422.1	258.2	680.3	407.8	-7.3	400.5
		-14.50	480.2	301.9	782.2	468.9	-7.3	461.6
		-15.00	463.5	356.5	820.1	491.7	-7.3	484.3
		-15.50	466.4	400.4	866.8	519.7	-7.3	512.3
		-16.00	618.5	449.1	1067.7	640.1	-7.3	632.8
		-16.50	697.3	508.9	1206.2	723.1	-7.3	715.8
		-17.00	631.6	573.5	1205.1	722.5	-7.3	715.2
		-17.50	522.0	638.5	1160.5	695.7	-7.3	688.4
		-18.00	499.3	703.9	1203.2	721.3	-7.3	714.0
		-18.50	445.0	761.6	1206.7	723.4	-7.3	716.1
		-19.00	504.6	803.2	1307.8	784.1	-7.3	776.8
		-19.50	491.3	860.4	1351.7	810.4	-7.3	803.1
		-20.00	489.8	910.8	1400.6	839.7	-7.3	832.4
		-20.50	427.3	957.1	1384.4	830.0	-7.3	822.7
		-21.00	415.7	1010.9	1426.5	855.2	-7.3	847.9
		-21.50	364.0	1059.5	1423.6	853.5	-7.3	846.2
		-22.00	717.4	1093.0	1810.4	1085.4	-7.3	1078.1
		-22.50	896.8	1166.5	2063.4	1237.0	-7.3	1229.7
16 - Ontgraven tot	-8.36	-12.50	354.5	86.4	440.9	264.4	-7.4	256.9
		-13.00	315.4	145.8	461.2	276.5	-7.4	269.1
		-13.50	332.2	191.6	523.8	314.0	-7.4	306.6
		-14.00	345.0	232.7	577.6	346.3	-7.4	338.9
		-14.50	367.6	266.2	633.8	380.0	-7.4	372.6
		-15.00	373.5	300.7	674.2	404.2	-7.4	396.8
		-15.50	512.3	340.9	853.2	511.5	-7.4	504.1
		-16.00	579.2	397.1	976.3	585.3	-7.4	577.9
		-16.50	515.6	456.1	971.7	582.5	-7.4	575.1
		-17.00	453.9	515.5	969.4	581.2	-7.4	573.7
		-17.50	426.9	573.4	1000.3	599.7	-7.4	592.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	447.8	610.7	1058.5	634.6	-7.4	627.2
		-18.50	636.9	653.9	1290.8	773.9	-7.4	766.4
		-19.00	611.2	716.5	1327.8	796.0	-7.4	788.6
		-19.50	623.1	780.4	1403.5	841.4	-7.4	834.0
		-20.00	597.2	843.5	1440.7	863.7	-7.4	856.3
		-20.50	602.9	900.6	1503.6	901.4	-7.4	894.0
		-21.00	598.8	958.0	1556.8	933.3	-7.4	925.9
		-21.50	1190.1	1020.6	2210.7	1325.4	-7.4	1317.9
		-22.00	1012.1	1094.9	2106.9	1263.2	-7.4	1255.7
		-22.50	611.0	1169.1	1780.1	1067.2	-7.4	1059.8
17 - Ontgraven tot	-8.36	-12.50	389.8	80.9	470.6	282.2	-8.1	274.0
		-13.00	392.8	138.2	531.0	318.3	-8.1	310.2
		-13.50	389.2	194.3	583.5	349.8	-8.1	341.7
		-14.00	401.7	242.0	643.7	385.9	-8.1	377.8
		-14.50	403.3	285.3	688.6	412.8	-8.1	404.7
		-15.00	445.2	325.6	770.8	462.1	-8.1	454.0
		-15.50	528.9	370.2	899.1	539.0	-8.1	530.9
		-16.00	580.3	425.3	1005.7	602.9	-8.1	594.8
		-16.50	594.5	484.1	1078.6	646.6	-8.1	638.5
		-17.00	656.0	544.9	1200.9	719.9	-8.1	711.8
		-17.50	677.1	609.5	1286.6	771.4	-8.1	763.2
		-18.00	683.9	671.9	1355.9	812.9	-8.1	804.8
		-18.50	790.3	730.4	1520.7	911.7	-8.1	903.6
		-19.00	735.7	790.1	1525.9	914.8	-8.1	906.7
		-19.50	794.6	849.8	1644.4	985.9	-8.1	977.7
		-20.00	773.0	909.5	1682.5	1008.7	-8.1	1000.6
		-20.50	775.5	968.4	1743.9	1045.5	-8.1	1037.4
		-21.00	1005.6	1031.8	2037.4	1221.5	-8.1	1213.4
		-21.50	1230.3	1105.1	2335.4	1400.1	-8.1	1392.0
		-22.00	1318.0	1179.3	2497.3	1497.2	-8.1	1489.1
		-22.50	1443.2	1253.5	2696.7	1616.7	-8.1	1608.6
18 - Ontgraven tot	-8.36	-12.50	391.8	70.5	462.3	277.2	-8.6	268.5
		-13.00	366.1	125.6	491.7	294.8	-8.6	286.1
		-13.50	387.7	184.1	571.8	342.8	-8.6	334.2
		-14.00	393.3	234.6	628.0	376.5	-8.6	367.8
		-14.50	334.1	271.1	605.1	362.8	-8.6	354.1
		-15.00	310.0	314.3	624.3	374.3	-8.6	365.6
		-15.50	294.1	351.2	645.3	386.9	-8.6	378.2
		-16.00	298.5	377.2	675.6	405.1	-8.6	396.4
		-16.50	359.0	404.9	764.0	458.0	-8.6	449.4
		-17.00	522.2	444.2	966.5	579.4	-8.6	570.8
		-17.50	677.7	510.6	1188.3	712.4	-8.6	703.8
		-18.00	565.7	584.8	1150.5	689.7	-8.6	681.1
		-18.50	487.3	659.0	1146.4	687.3	-8.6	678.6
		-19.00	436.1	722.2	1158.3	694.4	-8.6	685.8
		-19.50	538.8	772.2	1311.1	786.0	-8.6	777.4
		-20.00	495.1	830.8	1325.8	794.8	-8.6	786.2
		-20.50	569.4	882.3	1451.7	870.3	-8.6	861.7
		-21.00	710.4	941.2	1651.6	990.2	-8.6	981.5
		-21.50	728.7	1010.2	1738.9	1042.5	-8.6	1033.9
		-22.00	739.2	1079.1	1818.3	1090.1	-8.6	1081.4
		-22.50	1061.1	1149.7	2210.8	1325.4	-8.6	1316.8
19 - Ontgraven tot	-8.36	-12.50	373.5	96.0	469.5	281.5	-8.1	273.4
		-13.00	385.6	155.4	541.0	324.4	-8.1	316.2
		-13.50	405.8	202.7	608.6	364.8	-8.1	356.7
		-14.00	434.5	244.2	678.7	406.9	-8.1	398.8
		-14.50	431.2	297.4	728.6	436.8	-8.1	428.7
		-15.00	432.3	340.2	772.6	463.2	-8.1	455.0
		-15.50	452.1	388.5	840.6	503.9	-8.1	495.8
		-16.00	420.9	436.0	856.9	513.8	-8.1	505.6
		-16.50	413.2	479.4	892.6	535.2	-8.1	527.0
		-17.00	410.1	518.8	928.8	556.9	-8.1	548.7
		-17.50	840.2	563.1	1403.3	841.3	-8.1	833.2
		-18.00	896.7	637.4	1534.1	919.7	-8.1	911.6
		-18.50	752.7	711.6	1464.3	877.9	-8.1	869.7
		-19.00	660.2	785.8	1446.0	866.9	-8.1	858.8
		-19.50	545.6	855.6	1401.2	840.0	-8.1	831.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezuigkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	654.8	908.2	1563.0	937.0	-8.1	928.9
		-20.50	587.2	967.5	1554.7	932.1	-8.1	924.0
		-21.00	798.1	1029.3	1827.4	1095.6	-8.1	1087.4
		-21.50	803.9	1103.5	1907.4	1143.5	-8.1	1135.4
		-22.00	1038.8	1177.1	2216.0	1328.5	-8.1	1320.4
		-22.50	1030.4	1251.3	2281.8	1368.0	-8.1	1359.8

REKENGEDEGENS SI 400 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 400
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 400

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL SI 400 o (n=1)****Uitgangspunten**

- paal	: SI 400
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 400 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	525.1	86.2	611.4	366.5	-9.9	356.6
		-13.00	515.0	150.1	665.1	398.7	-9.9	388.9
		-13.50	548.6	217.9	766.5	459.5	-9.9	449.7
		-14.00	560.5	285.2	845.7	507.0	-9.9	497.2
		-14.50	486.4	334.2	820.7	492.0	-9.9	482.1
		-15.00	479.6	390.7	870.3	521.8	-9.9	511.9
		-15.50	449.2	448.5	897.7	538.2	-9.9	528.3
		-16.00	438.8	485.1	923.9	553.9	-9.9	544.0
		-16.50	547.7	518.5	1066.2	639.2	-9.9	629.3
		-17.00	629.9	567.0	1196.9	717.5	-9.9	707.7
		-17.50	702.0	628.0	1330.0	797.4	-9.9	787.5
		-18.00	665.4	703.8	1369.1	820.8	-9.9	810.9
		-18.50	603.7	779.5	1383.1	829.2	-9.9	819.3
		-19.00	628.1	830.6	1458.7	874.5	-9.9	864.6
		-19.50	618.1	887.1	1505.2	902.4	-9.9	892.5
		-20.00	760.4	939.4	1699.9	1019.1	-9.9	1009.2
		-20.50	737.7	1007.1	1744.8	1046.0	-9.9	1036.1
		-21.00	1129.3	1075.8	2205.1	1322.0	-9.9	1312.1
		-21.50	1166.3	1160.6	2326.9	1395.0	-9.9	1385.2
		-22.00	1339.5	1245.5	2584.9	1549.7	-9.9	1539.8
		-22.50	1475.7	1330.3	2806.0	1682.2	-9.9	1672.4
2 - Ontgraven tot	-8.36	-12.50	440.9	73.8	514.6	308.5	-10.9	297.6
		-13.00	443.0	132.3	575.3	344.9	-10.9	334.0
		-13.50	435.8	193.7	629.4	377.4	-10.9	366.4
		-14.00	455.7	248.9	704.5	422.4	-10.9	411.5
		-14.50	485.6	290.6	776.2	465.4	-10.9	454.5
		-15.00	529.2	328.5	857.7	514.2	-10.9	503.3
		-15.50	535.4	373.9	909.3	545.1	-10.9	534.2
		-16.00	533.1	420.3	953.4	571.6	-10.9	560.6
		-16.50	519.0	469.5	988.5	592.6	-10.9	581.7
		-17.00	520.1	509.3	1029.4	617.2	-10.9	606.2
		-17.50	641.1	549.8	1190.9	714.0	-10.9	703.1
		-18.00	614.5	615.2	1229.7	737.2	-10.9	726.3
		-18.50	706.0	670.9	1376.9	825.5	-10.9	814.6
		-19.00	716.9	736.3	1453.2	871.2	-10.9	860.3
		-19.50	732.5	796.2	1528.7	916.5	-10.9	905.6
		-20.00	730.6	863.1	1593.7	955.4	-10.9	944.5
		-20.50	729.7	925.0	1654.8	992.1	-10.9	981.1
		-21.00	1174.8	988.3	2163.1	1296.8	-10.9	1285.9
		-21.50	1281.1	1073.1	2354.2	1411.4	-10.9	1400.5
		-22.00	1302.9	1157.9	2460.9	1475.3	-10.9	1464.4
		-22.50	1341.3	1242.7	2584.0	1549.2	-10.9	1538.3
3 - Ontgraven tot	-8.36	-12.50	521.7	83.3	605.1	362.8	-10.5	352.3
		-13.00	491.8	150.4	642.2	385.0	-10.5	374.5
		-13.50	446.2	218.1	664.3	398.3	-10.5	387.8
		-14.00	451.7	276.4	728.1	436.5	-10.5	426.0
		-14.50	471.9	324.5	796.4	477.5	-10.5	467.0
		-15.00	483.2	362.5	845.7	507.0	-10.5	496.5
		-15.50	482.2	398.6	880.8	528.1	-10.5	517.6
		-16.00	499.5	433.9	933.4	559.6	-10.5	549.1
		-16.50	483.3	476.3	959.7	575.3	-10.5	564.8
		-17.00	530.6	512.0	1042.6	625.1	-10.5	614.6
		-17.50	680.5	558.6	1239.1	742.9	-10.5	732.4
		-18.00	621.0	624.5	1245.4	746.7	-10.5	736.2
		-18.50	513.0	692.2	1205.2	722.5	-10.5	712.1
		-19.00	454.0	756.4	1210.4	725.7	-10.5	715.2
		-19.50	450.7	798.8	1249.4	749.1	-10.5	738.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	419.9	844.1	1264.0	757.8	-10.5	747.3
		-20.50	713.7	876.8	1590.5	953.5	-10.5	943.0
		-21.00	1046.9	951.5	1998.5	1198.1	-10.5	1187.6
		-21.50	1106.2	1036.4	2142.6	1284.5	-10.5	1274.0
		-22.00	1142.9	1121.2	2264.1	1357.4	-10.5	1346.9
		-22.50	1197.6	1206.0	2403.6	1441.0	-10.5	1430.5
4 - Ontgraven tot	-8.36	-12.50	502.1	83.7	585.8	351.2	-10.1	341.1
		-13.00	536.1	151.3	687.4	412.1	-10.1	402.0
		-13.50	591.9	210.8	802.7	481.2	-10.1	471.1
		-14.00	689.2	268.6	957.8	574.2	-10.1	564.1
		-14.50	745.6	331.9	1077.5	646.0	-10.1	635.9
		-15.00	786.0	394.7	1180.7	707.9	-10.1	697.8
		-15.50	798.8	460.6	1259.4	755.0	-10.1	744.9
		-16.00	881.9	528.5	1410.4	845.6	-10.1	835.5
		-16.50	779.7	606.8	1386.5	831.2	-10.1	821.2
		-17.00	620.9	675.9	1296.8	777.5	-10.1	767.4
		-17.50	607.3	736.4	1343.7	805.6	-10.1	795.5
		-18.00	520.7	804.3	1325.0	794.4	-10.1	784.3
		-18.50	483.1	855.6	1338.7	802.6	-10.1	792.5
		-19.00	640.3	895.8	1536.0	920.9	-10.1	910.8
		-19.50	705.5	956.8	1662.3	996.6	-10.1	986.5
		-20.00	815.1	1022.1	1837.2	1101.5	-10.1	1091.4
		-20.50	1093.1	1098.3	2191.3	1313.8	-10.1	1303.7
		-21.00	1121.9	1183.1	2305.0	1381.9	-10.1	1371.8
		-21.50	1140.7	1267.9	2408.6	1444.0	-10.1	1433.9
		-22.00	1102.6	1352.7	2455.3	1472.0	-10.1	1461.9
		-22.50	1158.9	1436.9	2595.7	1556.2	-10.1	1546.1
5 - Ontgraven tot	-8.36	-12.50	544.8	84.7	629.5	377.4	-9.9	367.5
		-13.00	486.9	150.0	636.9	381.8	-9.9	372.0
		-13.50	446.3	213.7	660.0	395.7	-9.9	385.8
		-14.00	449.3	278.9	728.1	436.5	-9.9	426.7
		-14.50	443.6	338.7	782.3	469.0	-9.9	459.1
		-15.00	450.0	374.0	824.1	494.0	-9.9	484.2
		-15.50	559.6	410.8	970.4	581.8	-9.9	571.9
		-16.00	556.7	467.6	1024.3	614.1	-9.9	604.2
		-16.50	521.1	528.5	1049.7	629.3	-9.9	619.4
		-17.00	579.3	572.0	1151.4	690.3	-9.9	680.4
		-17.50	544.7	632.9	1177.6	706.0	-9.9	696.1
		-18.00	525.5	695.7	1221.2	732.1	-9.9	722.2
		-18.50	521.0	740.2	1261.2	756.1	-9.9	746.2
		-19.00	522.8	778.4	1301.2	780.1	-9.9	770.2
		-19.50	539.8	816.7	1356.5	813.2	-9.9	803.4
		-20.00	677.6	858.4	1536.0	920.8	-9.9	911.0
6 - Ontgraven tot	-8.36	-12.50	521.8	80.4	602.2	361.0	-10.7	350.3
		-13.00	501.5	146.5	648.0	388.5	-10.7	377.7
		-13.50	452.5	211.8	664.3	398.3	-10.7	387.5
		-14.00	472.6	274.3	746.9	447.8	-10.7	437.0
		-14.50	469.9	334.2	804.1	482.1	-10.7	471.3
		-15.00	515.6	371.6	887.3	531.9	-10.7	521.2
		-15.50	566.5	420.9	987.3	591.9	-10.7	581.2
		-16.00	551.5	483.6	1035.0	620.5	-10.7	609.8
		-16.50	543.9	539.8	1083.8	649.7	-10.7	639.0
		-17.00	521.3	591.3	1112.6	667.0	-10.7	656.3
		-17.50	596.9	632.2	1229.1	736.9	-10.7	726.1
		-18.00	647.1	686.7	1333.8	799.6	-10.7	788.9
		-18.50	717.7	741.0	1458.7	874.5	-10.7	863.8
		-19.00	796.6	804.7	1601.4	960.0	-10.7	949.3
		-19.50	819.3	872.6	1691.9	1014.3	-10.7	1003.6
		-20.00	1220.0	938.6	2158.6	1294.1	-10.7	1283.4
		-20.50	1276.3	1023.3	2299.6	1378.7	-10.7	1367.9
		-21.00	1388.6	1108.1	2496.7	1496.8	-10.7	1486.1
		-21.50	1394.9	1192.9	2587.8	1551.4	-10.7	1540.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1435.8	1277.8	2713.6	1626.8	-10.7	1616.1
		-22.50	1406.2	1362.6	2768.8	1659.9	-10.7	1649.2
7 - Ontgraven tot	-8.36	-12.50	561.1	87.4	648.5	388.8	-10.7	378.0
		-13.00	618.4	153.3	771.7	462.7	-10.7	451.9
		-13.50	615.1	220.9	836.1	501.2	-10.7	490.5
		-14.00	596.0	285.2	881.2	528.3	-10.7	517.6
		-14.50	608.5	352.9	961.3	576.3	-10.7	565.6
		-15.00	575.7	414.0	989.7	593.4	-10.7	582.6
		-15.50	548.6	459.2	1007.8	604.2	-10.7	593.5
		-16.00	493.7	513.2	1006.9	603.7	-10.7	592.9
		-16.50	434.2	577.5	1011.7	606.5	-10.7	595.8
		-17.00	446.1	611.3	1057.4	633.9	-10.7	623.2
		-17.50	416.7	655.2	1071.9	642.6	-10.7	631.9
		-18.00	460.8	695.9	1156.8	693.5	-10.7	682.8
		-18.50	441.6	748.2	1189.8	713.3	-10.7	702.6
		-19.00	451.2	788.1	1239.3	743.0	-10.7	732.2
		-19.50	689.8	836.0	1525.8	914.8	-10.7	904.0
		-20.00	668.2	903.9	1572.0	942.5	-10.7	931.7
		-20.50	614.3	971.0	1585.2	950.4	-10.7	939.6
		-21.00	987.2	1024.4	2011.7	1206.1	-10.7	1195.3
		-21.50	1168.8	1106.1	2274.9	1363.9	-10.7	1353.1
		-22.00	1383.6	1190.9	2574.5	1543.5	-10.7	1532.7
8 - Ontgraven tot	-8.36	-12.50	468.3	81.7	550.1	329.8	-9.9	319.9
		-13.00	457.2	140.9	598.1	358.6	-9.9	348.7
		-13.50	419.8	208.6	628.5	376.8	-9.9	366.9
		-14.00	383.7	263.1	646.9	387.8	-9.9	377.9
		-14.50	390.3	305.8	696.2	417.4	-9.9	407.5
		-15.00	387.7	342.6	730.3	437.9	-9.9	428.0
		-15.50	380.8	373.7	754.5	452.3	-9.9	442.5
		-16.00	413.9	402.5	816.5	489.5	-9.9	479.6
		-16.50	404.9	436.8	841.7	504.6	-9.9	494.8
		-17.00	348.1	481.5	829.6	497.4	-9.9	487.5
		-17.50	333.1	522.5	855.6	512.9	-9.9	503.1
		-18.00	323.7	552.8	876.5	525.5	-9.9	515.6
		-18.50	327.1	577.4	904.5	542.3	-9.9	532.4
		-19.00	374.7	603.1	977.7	586.2	-9.9	576.3
		-19.50	567.8	636.0	1203.8	721.7	-9.9	711.8
		-20.00	809.8	701.4	1511.2	906.0	-9.9	896.1
9 - Ontgraven tot	-8.36	-12.50	525.3	82.3	607.7	364.3	-10.5	353.8
		-13.00	518.7	148.8	667.5	400.2	-10.5	389.7
		-13.50	462.0	214.1	676.1	405.4	-10.5	394.9
		-14.00	465.0	280.0	745.0	446.7	-10.5	436.2
		-14.50	442.7	334.1	776.9	465.7	-10.5	455.3
		-15.00	439.8	375.2	815.0	488.6	-10.5	478.1
		-15.50	379.5	414.2	793.7	475.9	-10.5	465.4
		-16.00	373.6	449.0	822.5	493.1	-10.5	482.6
10 - Ontgraven tot	-8.36	-12.50	440.5	70.0	510.5	306.1	-10.5	295.6
		-13.00	477.9	132.2	610.1	365.8	-10.5	355.3
		-13.50	501.5	194.7	696.3	417.4	-10.5	406.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.00	557.7	241.4	799.1	479.1	-10.5	468.6
		-14.50	531.4	295.3	826.7	495.6	-10.5	485.1
		-15.00	500.9	354.6	855.5	512.9	-10.5	502.4
		-15.50	487.2	410.5	897.7	538.2	-10.5	527.7
		-16.00	454.2	460.3	914.5	548.3	-10.5	537.8
		-16.50	523.3	495.6	1018.9	610.9	-10.5	600.4
		-17.00	501.7	553.1	1054.8	632.4	-10.5	621.9
		-17.50	535.7	592.8	1128.4	676.5	-10.5	666.0
		-18.00	698.6	645.0	1343.7	805.6	-10.5	795.1
		-18.50	615.2	712.9	1328.1	796.2	-10.5	785.7
		-19.00	533.9	774.0	1307.8	784.1	-10.5	773.6
		-19.50	607.9	814.1	1422.0	852.5	-10.5	842.0
		-20.00	675.4	866.2	1541.6	924.2	-10.5	913.7
		-20.50	734.6	926.4	1661.0	995.8	-10.5	985.3
		-21.00	898.5	988.5	1887.1	1131.3	-10.5	1120.8
		-21.50	1236.8	1069.1	2305.8	1382.4	-10.5	1371.9
		-22.00	1416.4	1153.9	2570.3	1541.0	-10.5	1530.5
		-22.50	1422.4	1238.7	2661.2	1595.4	-10.5	1584.9
11 - Ontgraven tot	-8.36	-12.50	447.0	60.0	507.0	303.9	-10.5	293.4
		-13.00	390.6	119.6	510.2	305.9	-10.5	295.4
		-13.50	365.2	186.8	552.1	331.0	-10.5	320.5
		-14.00	379.2	236.7	615.9	369.2	-10.5	358.8
		-14.50	383.5	280.2	663.7	397.9	-10.5	387.4
		-15.00	417.6	309.4	727.0	435.9	-10.5	425.4
		-15.50	745.2	348.0	1093.2	655.4	-10.5	644.9
		-16.00	683.5	415.2	1098.7	658.7	-10.5	648.2
		-16.50	662.0	483.0	1145.0	686.5	-10.5	676.0
		-17.00	584.0	548.9	1132.9	679.2	-10.5	668.7
		-17.50	554.0	607.7	1161.7	696.5	-10.5	686.0
		-18.00	522.0	673.4	1195.4	716.7	-10.5	706.2
		-18.50	504.8	722.2	1227.0	735.6	-10.5	725.1
		-19.00	539.9	760.5	1300.4	779.6	-10.5	769.1
		-19.50	667.1	804.7	1471.8	882.4	-10.5	871.9
		-20.00	1324.6	871.8	2196.4	1316.8	-10.5	1306.3
		-20.50	1479.5	956.6	2436.1	1460.5	-10.5	1450.0
		-21.00	1468.0	1041.4	2509.4	1504.5	-10.5	1494.0
		-21.50	1355.6	1126.3	2481.9	1488.0	-10.5	1477.5
		-22.00	1392.0	1211.1	2603.1	1560.6	-10.5	1550.1
		-22.50	1416.5	1295.9	2712.4	1626.1	-10.5	1615.7
12 - Ontgraven tot	-8.36	-12.50	503.1	73.6	576.7	345.7	-9.9	335.8
		-13.00	518.1	138.8	656.9	393.8	-9.9	384.0
		-13.50	531.6	206.7	738.3	442.6	-9.9	432.8
		-14.00	557.7	268.3	826.0	495.2	-9.9	485.3
		-14.50	606.2	318.6	924.7	554.4	-9.9	544.5
		-15.00	705.0	373.6	1078.6	646.6	-9.9	636.8
		-15.50	603.3	441.4	1044.7	626.3	-9.9	616.4
		-16.00	582.8	495.2	1078.0	646.3	-9.9	636.4
		-16.50	553.6	551.5	1105.1	662.6	-9.9	652.7
		-17.00	525.7	604.8	1130.5	677.8	-9.9	667.9
		-17.50	532.0	645.5	1177.5	705.9	-9.9	696.0
		-18.00	497.6	697.5	1195.1	716.5	-9.9	706.6
		-18.50	598.2	738.6	1336.8	801.5	-9.9	791.6
		-19.00	646.3	794.3	1440.6	863.7	-9.9	853.8
		-19.50	721.3	853.5	1574.8	944.1	-9.9	934.3
		-20.00	748.2	916.4	1664.6	998.0	-9.9	988.1
		-20.50	764.7	982.4	1747.1	1047.4	-9.9	1037.6
		-21.00	823.6	1045.2	1868.7	1120.3	-9.9	1110.5
		-21.50	877.8	1112.9	1990.7	1193.5	-9.9	1183.6
		-22.00	1114.6	1189.0	2303.7	1381.1	-9.9	1371.2
		-22.50	1139.4	1273.9	2413.3	1446.8	-9.9	1436.9
13 - Ontgraven tot	-8.36	-12.50	423.2	79.0	502.2	301.1	-9.9	291.2
		-13.00	386.6	145.8	532.4	319.2	-9.9	309.3
		-13.50	394.1	206.8	600.9	360.2	-9.9	350.4
		-14.00	413.1	251.4	664.5	398.4	-9.9	388.5
		-14.50	486.9	290.3	777.2	466.0	-9.9	456.1
		-15.00	499.1	334.4	833.6	499.8	-9.9	489.9
		-15.50	627.1	379.0	1006.1	603.2	-9.9	593.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.00	647.5	440.6	1088.2	652.4	-9.9	642.5
		-16.50	641.5	503.9	1145.5	686.7	-9.9	676.8
		-17.00	669.9	558.5	1228.4	736.4	-9.9	726.6
		-17.50	669.0	623.3	1292.3	774.7	-9.9	764.9
		-18.00	671.6	678.5	1350.2	809.4	-9.9	799.6
		-18.50	732.6	728.5	1461.2	876.0	-9.9	866.1
		-19.00	840.7	787.2	1627.9	976.0	-9.9	966.1
		-19.50	837.3	855.0	1692.3	1014.6	-9.9	1004.7
		-20.00	860.2	922.3	1782.5	1068.7	-9.9	1058.8
		-20.50	917.8	991.3	1909.0	1144.5	-9.9	1134.6
		-21.00	929.7	1061.5	1991.3	1193.8	-9.9	1183.9
		-21.50	1139.4	1133.4	2272.8	1362.6	-9.9	1352.7
		-22.00	1536.3	1217.8	2754.1	1651.1	-9.9	1641.3
		-22.50	1584.2	1302.7	2886.9	1730.7	-9.9	1720.9
14 - Ontgraven tot	-8.36	-12.50	420.2	85.4	505.6	303.1	-9.9	293.2
		-13.00	422.1	152.6	574.7	344.5	-9.9	334.7
		-13.50	434.0	216.8	650.8	390.2	-9.9	380.3
		-14.00	465.5	261.6	727.1	435.9	-9.9	426.1
		-14.50	469.3	310.9	780.2	467.8	-9.9	457.9
		-15.00	530.5	354.5	885.0	530.6	-9.9	520.7
		-15.50	710.3	401.4	1111.7	666.5	-9.9	656.6
		-16.00	681.8	468.2	1150.0	689.5	-9.9	679.6
		-16.50	623.0	535.8	1158.8	694.7	-9.9	684.8
		-17.00	675.0	586.8	1261.8	756.5	-9.9	746.6
		-17.50	700.6	644.7	1345.3	806.5	-9.9	796.7
		-18.00	692.5	705.6	1398.0	838.2	-9.9	828.3
		-18.50	748.6	764.2	1512.8	906.9	-9.9	897.1
		-19.00	311.0	841.1	1152.1	690.7	-9.9	680.8
		-19.50	278.1	918.1	1196.2	717.1	-9.9	707.2
		-20.00	164.5	986.4	1150.9	690.0	-9.9	680.1
		-20.50	362.8	1027.1	1389.8	833.2	-9.9	823.3
		-21.00	408.6	1081.6	1490.2	893.4	-9.9	883.5
		-21.50	406.9	1147.9	1554.8	932.2	-9.9	922.3
		-22.00	435.6	1195.8	1631.3	978.0	-9.9	968.1
		-22.50	1044.9	1254.2	2299.2	1378.4	-9.9	1368.5
15 - Ontgraven tot	-8.36	-12.50	458.0	119.9	577.9	346.5	-8.4	338.1
		-13.00	481.2	186.5	667.7	400.3	-8.4	391.9
		-13.50	525.9	236.5	762.4	457.1	-8.4	448.7
		-14.00	536.1	295.1	831.2	498.3	-8.4	490.0
		-14.50	623.6	345.1	968.7	580.7	-8.4	572.4
		-15.00	604.3	407.5	1011.8	606.6	-8.4	598.2
		-15.50	616.3	457.6	1073.9	643.8	-8.4	635.4
		-16.00	803.5	513.3	1316.8	789.5	-8.4	781.1
		-16.50	901.9	581.6	1483.5	889.4	-8.4	881.0
		-17.00	705.5	655.4	1360.8	815.9	-8.4	807.5
		-17.50	683.0	729.7	1412.6	846.9	-8.4	838.6
		-18.00	652.2	804.4	1456.6	873.3	-8.4	864.9
		-18.50	587.4	870.5	1457.8	874.0	-8.4	865.6
		-19.00	654.8	917.9	1572.8	942.9	-8.4	934.6
		-19.50	641.3	983.3	1624.5	973.9	-8.4	965.6
		-20.00	605.2	1041.0	1646.2	986.9	-8.4	978.6
		-20.50	557.5	1093.8	1651.4	990.0	-8.4	981.7
		-21.00	542.9	1155.3	1698.2	1018.1	-8.4	1009.7
		-21.50	475.5	1210.9	1686.4	1011.0	-8.4	1002.7
		-22.00	966.2	1249.2	2215.4	1328.2	-8.4	1319.8
		-22.50	1159.9	1333.1	2493.0	1494.6	-8.4	1486.3
16 - Ontgraven tot	-8.36	-12.50	448.0	98.8	546.8	327.8	-8.5	319.3
		-13.00	390.3	166.7	556.9	333.9	-8.5	325.4
		-13.50	412.8	218.9	631.8	378.8	-8.5	370.3
		-14.00	429.6	265.9	695.6	417.0	-8.5	408.5
		-14.50	471.4	304.3	775.7	465.0	-8.5	456.6
		-15.00	491.6	343.7	835.3	500.8	-8.5	492.3
		-15.50	671.7	389.6	1061.3	636.3	-8.5	627.8
		-16.00	707.4	453.9	1161.3	696.2	-8.5	687.7
		-16.50	657.1	521.2	1178.3	706.4	-8.5	698.0
		-17.00	588.4	589.1	1177.5	705.9	-8.5	697.5
		-17.50	552.9	655.3	1208.2	724.3	-8.5	715.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	582.0	698.0	1280.0	767.4	-8.5	758.9
		-18.50	778.6	747.4	1525.9	914.8	-8.5	906.3
		-19.00	788.0	818.9	1606.9	963.4	-8.5	954.9
		-19.50	773.1	891.9	1665.0	998.2	-8.5	989.7
		-20.00	772.3	964.0	1736.3	1040.9	-8.5	1032.4
		-20.50	777.4	1029.3	1806.7	1083.1	-8.5	1074.7
		-21.00	789.8	1094.8	1884.7	1129.9	-8.5	1121.4
		-21.50	1546.4	1166.4	2712.8	1626.4	-8.5	1617.9
		-22.00	1209.8	1251.3	2461.1	1475.5	-8.5	1467.0
		-22.50	736.2	1336.1	2072.3	1242.4	-8.5	1233.9
17 - Ontgraven tot	-8.36	-12.50	463.6	92.4	556.0	333.4	-9.3	324.1
		-13.00	488.4	157.9	646.3	387.5	-9.3	378.2
		-13.50	467.4	222.1	689.5	413.4	-9.3	404.1
		-14.00	499.4	276.5	776.0	465.2	-9.3	455.9
		-14.50	521.2	326.0	847.3	508.0	-9.3	498.7
		-15.00	581.5	372.1	953.6	571.7	-9.3	562.4
		-15.50	689.7	423.1	1112.8	667.1	-9.3	657.9
		-16.00	752.2	486.1	1238.3	742.4	-9.3	733.1
		-16.50	774.0	553.3	1327.2	795.7	-9.3	786.4
		-17.00	842.6	622.7	1465.3	878.5	-9.3	869.2
		-17.50	865.9	696.6	1562.5	936.7	-9.3	927.5
		-18.00	874.4	767.9	1642.4	984.6	-9.3	975.4
		-18.50	1024.9	834.8	1859.7	1115.0	-9.3	1105.7
		-19.00	959.4	903.0	1862.4	1116.6	-9.3	1107.3
		-19.50	1037.3	971.2	2008.5	1204.1	-9.3	1194.9
		-20.00	1009.2	1039.4	2048.6	1228.2	-9.3	1218.9
		-20.50	1012.3	1106.7	2119.0	1270.4	-9.3	1261.1
		-21.00	1374.4	1179.3	2553.7	1531.0	-9.3	1521.7
		-21.50	1594.4	1263.0	2857.4	1713.1	-9.3	1703.8
		-22.00	1701.8	1347.8	3049.6	1828.3	-9.3	1819.0
		-22.50	1885.0	1432.6	3317.6	1988.9	-9.3	1979.7
18 - Ontgraven tot	-8.36	-12.50	443.6	80.5	524.1	314.2	-9.9	304.3
		-13.00	459.6	143.5	603.1	361.6	-9.9	351.7
		-13.50	483.7	210.4	694.0	416.1	-9.9	406.2
		-14.00	440.5	268.1	708.7	424.9	-9.9	415.0
		-14.50	411.4	309.8	721.2	432.3	-9.9	422.5
		-15.00	404.9	359.2	764.1	458.1	-9.9	448.2
		-15.50	384.2	401.3	785.5	470.9	-9.9	461.0
		-16.00	392.5	431.1	823.5	493.7	-9.9	483.8
		-16.50	472.5	462.8	935.3	560.7	-9.9	550.8
		-17.00	700.0	507.7	1207.7	724.0	-9.9	714.1
		-17.50	757.1	583.5	1340.6	803.7	-9.9	793.8
		-18.00	740.6	668.4	1409.0	844.7	-9.9	834.8
		-18.50	630.6	753.2	1383.8	829.6	-9.9	819.7
		-19.00	592.5	825.4	1417.9	850.0	-9.9	840.2
		-19.50	704.1	882.6	1586.7	951.2	-9.9	941.3
		-20.00	643.4	949.4	1592.8	954.9	-9.9	945.0
		-20.50	738.5	1008.4	1746.9	1047.3	-9.9	1037.4
		-21.00	918.5	1075.7	1994.2	1195.6	-9.9	1185.7
		-21.50	935.5	1154.5	2090.0	1253.0	-9.9	1243.1
		-22.00	947.6	1233.3	2180.9	1307.5	-9.9	1297.6
		-22.50	1375.4	1313.9	2689.3	1612.3	-9.9	1602.4
19 - Ontgraven tot	-8.36	-12.50	475.8	109.8	585.5	351.0	-9.3	341.8
		-13.00	482.3	177.6	660.0	395.7	-9.3	386.4
		-13.50	498.0	231.7	729.7	437.5	-9.3	428.2
		-14.00	540.0	279.1	819.1	491.1	-9.3	481.8
		-14.50	554.5	339.9	894.4	536.2	-9.3	526.9
		-15.00	582.1	388.8	970.9	582.1	-9.3	572.8
		-15.50	557.8	444.0	1001.8	600.6	-9.3	591.3
		-16.00	549.8	498.3	1048.1	628.3	-9.3	619.1
		-16.50	539.7	547.9	1087.6	652.1	-9.3	642.8
		-17.00	540.4	592.9	1133.3	679.4	-9.3	670.2
		-17.50	1095.1	643.6	1738.7	1042.4	-9.3	1033.1
		-18.00	1061.5	728.4	1789.9	1073.1	-9.3	1063.8
		-18.50	974.4	813.2	1787.6	1071.7	-9.3	1062.4
		-19.00	831.2	898.1	1729.2	1036.7	-9.3	1027.4
		-19.50	702.6	977.8	1680.4	1007.4	-9.3	998.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	843.7	1037.9	1881.6	1128.0	-9.3	1118.8
		-20.50	779.1	1105.7	1884.8	1130.0	-9.3	1120.7
		-21.00	1039.1	1176.4	2215.4	1328.2	-9.3	1318.9
		-21.50	1042.3	1261.2	2303.5	1381.0	-9.3	1371.7
		-22.00	1358.9	1345.3	2704.2	1621.2	-9.3	1611.9
		-22.50	1270.0	1430.1	2700.1	1618.8	-9.3	1609.5

REKENEGEGEVENS SI 450 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 450
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 450

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL SI 450 o (n=1)

Uitgangspunten

- paal	: SI 450
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 450 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	603.4	97.0	700.5	419.9	-11.1	408.8
		-13.00	631.7	168.8	800.5	479.9	-11.1	468.8
		-13.50	668.7	245.2	913.9	547.9	-11.1	536.8
		-14.00	578.3	320.9	899.2	539.1	-11.1	528.0
		-14.50	582.1	376.0	958.1	574.4	-11.1	563.3
		-15.00	598.0	439.5	1037.5	622.0	-11.1	610.9
		-15.50	568.5	504.6	1073.1	643.4	-11.1	632.2
		-16.00	555.9	545.7	1101.6	660.4	-11.1	649.3
		-16.50	696.9	583.3	1280.2	767.5	-11.1	756.4
		-17.00	800.7	637.8	1438.6	862.4	-11.1	851.3
		-17.50	873.8	706.5	1580.3	947.4	-11.1	936.3
		-18.00	819.0	791.7	1610.7	965.7	-11.1	954.5
		-18.50	756.4	876.9	1633.3	979.2	-11.1	968.1
		-19.00	785.5	934.4	1719.9	1031.1	-11.1	1020.0
		-19.50	772.0	998.0	1770.0	1061.2	-11.1	1050.0
		-20.00	960.4	1056.9	2017.3	1209.4	-11.1	1198.3
		-20.50	938.2	1133.0	2071.2	1241.7	-11.1	1230.6
		-21.00	1421.6	1210.3	2631.9	1577.9	-11.1	1566.8
		-21.50	1466.8	1305.7	2772.5	1662.2	-11.1	1651.1
		-22.00	1668.4	1401.1	3069.6	1840.3	-11.1	1829.1
		-22.50	1831.0	1496.6	3327.6	1995.0	-11.1	1983.8
2 - Ontgraven tot	-8.36	-12.50	515.3	83.0	598.2	358.6	-12.3	346.4
		-13.00	526.3	148.9	675.2	404.8	-12.3	392.5
		-13.50	529.7	217.9	747.6	448.2	-12.3	435.9
		-14.00	551.5	280.0	831.5	498.5	-12.3	486.2
		-14.50	584.7	327.0	911.7	546.6	-12.3	534.3
		-15.00	668.9	369.5	1038.5	622.6	-12.3	610.3
		-15.50	675.4	420.6	1096.1	657.1	-12.3	644.8
		-16.00	674.4	472.8	1147.2	687.8	-12.3	675.5
		-16.50	656.4	528.2	1184.6	710.2	-12.3	697.9
		-17.00	660.4	572.9	1233.3	739.4	-12.3	727.1
		-17.50	810.2	618.5	1428.7	856.6	-12.3	844.3
		-18.00	775.2	692.1	1467.3	879.7	-12.3	867.4
		-18.50	890.1	754.7	1644.8	986.1	-12.3	973.8
		-19.00	902.0	828.3	1730.3	1037.4	-12.3	1025.1
		-19.50	919.7	895.7	1815.4	1088.4	-12.3	1076.1
		-20.00	915.1	970.9	1886.1	1130.7	-12.3	1118.4
		-20.50	912.3	1040.7	1952.9	1170.8	-12.3	1158.5
		-21.00	1505.1	1111.8	2616.9	1568.9	-12.3	1556.6
		-21.50	1610.1	1207.2	2817.3	1689.1	-12.3	1676.8
		-22.00	1632.1	1302.6	2934.7	1759.4	-12.3	1747.1
		-22.50	1672.9	1398.1	3071.0	1841.1	-12.3	1828.8
3 - Ontgraven tot	-8.36	-12.50	617.7	93.8	711.4	426.5	-11.8	414.7
		-13.00	554.1	169.2	723.3	433.6	-11.8	421.8
		-13.50	529.8	245.4	775.3	464.8	-11.8	453.0
		-14.00	543.2	311.0	854.2	512.1	-11.8	500.3
		-14.50	568.8	365.0	933.8	559.8	-11.8	548.0
		-15.00	603.8	407.8	1011.6	606.5	-11.8	594.7
		-15.50	610.3	448.4	1058.7	634.7	-11.8	622.9
		-16.00	632.2	488.2	1120.3	671.6	-11.8	659.8
		-16.50	612.8	535.9	1148.7	688.6	-11.8	676.8
		-17.00	679.4	576.0	1255.4	752.7	-11.8	740.8
		-17.50	802.6	628.4	1431.0	857.9	-11.8	846.1
		-18.00	771.8	702.5	1474.3	883.9	-11.8	872.1
		-18.50	619.0	778.8	1397.8	838.0	-11.8	826.2
		-19.00	574.6	850.9	1425.6	854.6	-11.8	842.8
		-19.50	570.4	898.6	1469.0	880.7	-11.8	868.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	531.9	949.6	1481.5	888.2	-11.8	876.4
		-20.50	903.9	986.4	1890.4	1133.3	-11.8	1121.5
		-21.00	1306.9	1070.5	2377.3	1425.3	-11.8	1413.5
		-21.50	1382.4	1165.9	2548.3	1527.8	-11.8	1516.0
		-22.00	1418.9	1261.3	2680.2	1606.8	-11.8	1595.0
		-22.50	1505.3	1356.7	2862.0	1715.8	-11.8	1704.0
4 - Ontgraven tot	-8.36	-12.50	622.5	94.2	716.7	429.7	-11.4	418.3
		-13.00	657.8	170.2	828.0	496.4	-11.4	485.0
		-13.50	720.8	237.1	957.9	574.3	-11.4	562.9
		-14.00	834.2	302.2	1136.3	681.3	-11.4	669.9
		-14.50	901.8	373.4	1275.2	764.5	-11.4	753.2
		-15.00	967.5	444.0	1411.6	846.3	-11.4	834.9
		-15.50	1020.1	518.2	1538.3	922.2	-11.4	910.9
		-16.00	1116.1	594.6	1710.7	1025.6	-11.4	1014.2
		-16.50	933.4	682.6	1616.0	968.8	-11.4	957.5
		-17.00	785.9	760.3	1546.2	927.0	-11.4	915.6
		-17.50	768.6	828.5	1597.1	957.5	-11.4	946.1
		-18.00	659.0	904.8	1563.8	937.5	-11.4	926.2
		-18.50	614.2	962.5	1576.7	945.2	-11.4	933.9
		-19.00	809.6	1007.7	1817.4	1089.6	-11.4	1078.2
		-19.50	889.8	1076.5	1966.2	1178.8	-11.4	1167.4
		-20.00	1075.9	1149.9	2225.8	1334.4	-11.4	1323.0
		-20.50	1367.3	1235.6	2602.9	1560.5	-11.4	1549.1
		-21.00	1389.7	1331.0	2720.6	1631.1	-11.4	1619.7
		-21.50	1416.9	1426.4	2843.3	1704.6	-11.4	1693.2
		-22.00	1361.1	1521.8	2882.9	1728.4	-11.4	1717.0
		-22.50	1455.1	1616.5	3071.6	1841.5	-11.4	1830.1
5 - Ontgraven tot	-8.36	-12.50	666.8	95.3	762.1	456.9	-11.1	445.8
		-13.00	553.1	168.7	721.8	432.7	-11.1	421.6
		-13.50	535.9	240.4	776.3	465.4	-11.1	454.3
		-14.00	545.0	313.7	858.7	514.8	-11.1	503.7
		-14.50	535.5	381.1	916.5	549.5	-11.1	538.4
		-15.00	565.0	420.8	985.8	591.0	-11.1	579.9
		-15.50	707.8	462.2	1169.9	701.4	-11.1	690.3
		-16.00	702.8	526.1	1229.0	736.8	-11.1	725.7
		-16.50	657.8	594.6	1252.4	750.8	-11.1	739.7
		-17.00	711.9	643.5	1355.4	812.6	-11.1	801.5
		-17.50	681.1	712.0	1393.1	835.2	-11.1	824.1
		-18.00	661.3	782.7	1444.0	865.7	-11.1	854.6
		-18.50	654.7	832.7	1487.4	891.7	-11.1	880.6
		-19.00	662.6	875.6	1538.2	922.2	-11.1	911.1
		-19.50	683.5	918.8	1602.3	960.6	-11.1	949.5
		-20.00	859.8	965.7	1825.5	1094.4	-11.1	1083.3
		-20.50	1131.3	1038.1	2169.4	1300.6	-11.1	1289.5
		-21.00	1751.9	1129.2	2881.1	1727.3	-11.1	1716.2
		-21.50	1713.0	1224.6	2937.6	1761.2	-11.1	1750.1
		-22.00	1759.9	1320.1	3080.0	1846.5	-11.1	1835.4
		-22.50	1831.0	1415.5	3246.5	1946.4	-11.1	1935.2
6 - Ontgraven tot	-8.36	-12.50	644.5	90.5	735.0	440.6	-12.1	428.6
		-13.00	549.5	164.8	714.3	428.2	-12.1	416.2
		-13.50	551.8	238.3	790.1	473.7	-12.1	461.6
		-14.00	573.5	308.6	882.1	528.8	-12.1	516.7
		-14.50	566.1	375.9	942.1	564.8	-12.1	552.7
		-15.00	651.3	418.1	1069.4	641.1	-12.1	629.0
		-15.50	708.1	473.5	1181.5	708.4	-12.1	696.3
		-16.00	696.6	544.0	1240.6	743.8	-12.1	731.7
		-16.50	686.4	607.3	1293.7	775.6	-12.1	763.5
		-17.00	657.8	665.2	1323.0	793.1	-12.1	781.1
		-17.50	758.4	711.3	1469.7	881.1	-12.1	869.0
		-18.00	813.0	772.5	1585.5	950.6	-12.1	938.5
		-18.50	910.0	833.6	1743.6	1045.3	-12.1	1033.2
		-19.00	1000.9	905.3	1906.2	1142.8	-12.1	1130.7
		-19.50	1026.3	981.7	2007.9	1203.8	-12.1	1191.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1788.1	1437.5	3225.6	1933.8	-12.1	1921.7
		-22.50	1745.5	1532.9	3278.4	1965.5	-12.1	1953.4
7 - Ontgraven tot	-8.36	-12.50	696.0	98.4	794.4	476.2	-12.1	464.2
		-13.00	760.0	172.4	932.4	559.0	-12.1	546.9
		-13.50	696.9	248.6	945.4	566.8	-12.1	554.7
		-14.00	718.6	320.9	1039.4	623.1	-12.1	611.1
		-14.50	736.2	397.0	1133.2	679.4	-12.1	667.3
		-15.00	667.7	465.7	1133.5	679.5	-12.1	667.5
		-15.50	694.4	516.6	1211.0	726.0	-12.1	713.9
		-16.00	601.3	577.3	1178.6	706.6	-12.1	694.5
		-16.50	549.5	649.7	1199.2	718.9	-12.1	706.9
		-17.00	558.5	687.7	1246.2	747.1	-12.1	735.0
		-17.50	537.6	737.1	1274.7	764.2	-12.1	752.1
		-18.00	583.1	782.9	1366.0	819.0	-12.1	806.9
		-18.50	558.6	841.7	1400.3	839.5	-12.1	827.4
		-19.00	590.4	886.6	1477.0	885.5	-12.1	873.4
		-19.50	870.6	940.5	1811.1	1085.8	-12.1	1073.7
		-20.00	840.3	1016.8	1857.1	1113.4	-12.1	1101.3
		-20.50	768.5	1092.3	1860.9	1115.6	-12.1	1103.5
		-21.00	1282.9	1152.5	2435.4	1460.1	-12.1	1448.0
		-21.50	1466.9	1244.3	2711.2	1625.4	-12.1	1613.3
8 - Ontgraven tot	-8.36	-12.50	555.3	92.0	647.3	388.0	-11.1	376.9
		-13.00	547.2	158.6	705.8	423.1	-11.1	412.0
		-13.50	485.2	234.7	719.9	431.6	-11.1	420.5
		-14.00	453.9	296.0	749.9	449.6	-11.1	438.5
		-14.50	472.3	344.0	816.4	489.4	-11.1	478.3
		-15.00	487.3	385.5	872.8	523.3	-11.1	512.1
		-15.50	484.4	420.5	904.8	542.5	-11.1	531.3
		-16.00	527.7	452.8	980.6	587.9	-11.1	576.8
		-16.50	476.6	491.4	968.0	580.3	-11.1	569.2
		-17.00	438.4	541.7	980.1	587.6	-11.1	576.5
		-17.50	421.6	587.8	1009.4	605.1	-11.1	594.0
		-18.00	409.7	621.9	1031.6	618.5	-11.1	607.3
		-18.50	416.5	649.6	1066.1	639.1	-11.1	628.0
		-19.00	476.0	678.5	1154.5	692.1	-11.1	681.0
		-19.50	732.3	715.5	1447.8	868.0	-11.1	856.9
		-20.00	1014.6	789.1	1803.7	1081.4	-11.1	1070.3
		-20.50	1302.0	880.7	2182.7	1308.6	-11.1	1297.5
		-21.00	1563.3	976.1	2539.4	1522.4	-11.1	1511.3
		-21.50	1675.1	1071.5	2746.7	1646.7	-11.1	1635.6
		-22.00	1682.9	1166.9	2849.9	1708.6	-11.1	1697.4
		-22.50	2021.6	1262.4	3284.0	1968.8	-11.1	1957.7
9 - Ontgraven tot	-8.36	-12.50	643.1	92.6	735.7	441.1	-11.8	429.3
		-13.00	544.7	167.5	712.2	427.0	-11.8	415.2
		-13.50	557.6	240.9	798.5	478.7	-11.8	466.9
		-14.00	552.9	315.0	867.9	520.3	-11.8	508.5
		-14.50	528.5	375.9	904.4	542.2	-11.8	530.4
		-15.00	532.5	422.1	954.6	572.3	-11.8	560.5
		-15.50	479.0	466.0	945.0	566.6	-11.8	554.8
		-16.00	472.8	505.1	977.9	586.3	-11.8	574.5
		-16.50	468.3	539.8	1008.1	604.4	-11.8	592.6
		-17.00	465.5	572.8	1038.3	622.5	-11.8	610.7
		-17.50	476.4	605.2	1081.7	648.5	-11.8	636.7
		-18.00	463.6	641.0	1104.6	662.2	-11.8	650.4
		-18.50	554.9	671.4	1226.3	735.2	-11.8	723.4
		-19.00	658.9	717.9	1376.8	825.4	-11.8	813.6
		-19.50	1041.9	786.7	1828.6	1096.3	-11.8	1084.5
		-20.00	1047.7	882.2	1929.8	1157.0	-11.8	1145.2
		-20.50	1066.7	975.4	2042.1	1224.3	-11.8	1212.5
		-21.00	1452.4	1064.6	2517.0	1509.0	-11.8	1497.2
		-21.50	1718.3	1160.0	2878.3	1725.6	-11.8	1713.8
		-22.00	1803.4	1255.4	3058.9	1833.8	-11.8	1822.0
		-22.50	1817.2	1350.8	3168.1	1899.3	-11.8	1887.5
10 - Ontgraven tot	-8.36	-12.50	543.3	78.7	622.0	372.9	-11.8	361.1
		-13.00	587.0	148.7	735.7	441.1	-11.8	429.3
		-13.50	610.3	219.1	829.3	497.2	-11.8	485.4
		-14.00	679.6	271.6	951.2	570.3	-11.8	558.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.50	607.0	332.2	939.2	563.1	-11.8	551.3
		-15.00	622.5	398.9	1021.4	612.3	-11.8	600.5
		-15.50	616.1	461.8	1078.0	646.3	-11.8	634.5
		-16.00	574.7	517.9	1092.6	655.0	-11.8	643.2
		-16.50	662.0	557.6	1219.6	731.2	-11.8	719.4
		-17.00	633.9	622.2	1256.1	753.1	-11.8	741.3
		-17.50	691.0	666.9	1357.8	814.0	-11.8	802.2
		-18.00	869.1	725.7	1594.8	956.1	-11.8	944.3
		-18.50	778.3	802.0	1580.3	947.4	-11.8	935.6
		-19.00	670.7	870.7	1541.4	924.1	-11.8	912.3
		-19.50	763.4	915.8	1679.2	1006.7	-11.8	994.9
		-20.00	853.4	974.5	1827.9	1095.9	-11.8	1084.0
		-20.50	924.5	1042.2	1966.8	1179.1	-11.8	1167.3
		-21.00	1154.1	1112.1	2266.2	1358.6	-11.8	1346.8
		-21.50	1551.1	1202.7	2753.9	1651.0	-11.8	1639.2
		-22.00	1680.4	1298.2	2978.6	1785.7	-11.8	1773.9
		-22.50	1765.3	1393.6	3158.8	1893.8	-11.8	1882.0
11 - Ontgraven tot	-8.36	-12.50	503.4	67.5	570.8	342.2	-11.8	330.4
		-13.00	452.9	134.6	587.5	352.2	-11.8	340.4
		-13.50	444.4	210.2	654.6	392.4	-11.8	380.6
		-14.00	460.0	266.3	726.3	435.5	-11.8	423.7
		-14.50	462.6	315.2	777.8	466.3	-11.8	454.5
		-15.00	524.6	348.1	872.7	523.2	-11.8	511.4
		-15.50	862.9	391.5	1254.4	752.1	-11.8	740.3
		-16.00	862.4	467.1	1329.5	797.1	-11.8	785.3
		-16.50	809.6	543.4	1353.0	811.1	-11.8	799.3
		-17.00	699.9	617.5	1317.4	789.8	-11.8	778.0
		-17.50	690.7	683.7	1374.4	824.0	-11.8	812.2
		-18.00	653.9	757.6	1411.5	846.2	-11.8	834.4
		-18.50	634.5	812.5	1447.1	867.5	-11.8	855.7
		-19.00	683.3	855.5	1538.8	922.5	-11.8	910.7
		-19.50	852.2	905.3	1757.5	1053.6	-11.8	1041.8
		-20.00	1701.8	980.8	2682.6	1608.3	-11.8	1596.5
		-20.50	1846.2	1076.2	2922.4	1752.0	-11.8	1740.2
		-21.00	1721.3	1171.6	2893.0	1734.4	-11.8	1722.6
		-21.50	1671.1	1267.0	2938.2	1761.5	-11.8	1749.7
		-22.00	1714.7	1362.5	3077.2	1844.8	-11.8	1833.0
		-22.50	1737.8	1457.9	3195.7	1915.9	-11.8	1904.1
12 - Ontgraven tot	-8.36	-12.50	624.9	82.8	707.7	424.3	-11.1	413.2
		-13.00	632.7	156.2	788.9	473.0	-11.1	461.8
		-13.50	648.0	232.5	880.5	527.9	-11.1	516.8
		-14.00	676.3	301.9	978.2	586.5	-11.1	575.4
		-14.50	743.7	358.4	1102.0	660.7	-11.1	649.6
		-15.00	860.0	420.3	1280.3	767.5	-11.1	756.4
		-15.50	744.9	496.6	1241.5	744.3	-11.1	733.2
		-16.00	737.7	557.0	1294.7	776.2	-11.1	765.1
		-16.50	673.9	620.5	1294.4	776.0	-11.1	764.9
		-17.00	665.3	680.4	1345.8	806.8	-11.1	795.7
		-17.50	673.3	726.1	1399.5	839.0	-11.1	827.9
		-18.00	632.2	784.7	1416.9	849.4	-11.1	838.3
		-18.50	756.5	831.0	1587.5	951.8	-11.1	940.6
		-19.00	819.1	893.6	1712.7	1026.8	-11.1	1015.7
		-19.50	930.0	960.2	1890.2	1133.2	-11.1	1122.1
		-20.00	939.1	1031.0	1970.1	1181.1	-11.1	1170.0
		-20.50	956.1	1105.2	2061.3	1235.8	-11.1	1224.7
		-21.00	1026.5	1175.8	2202.3	1320.3	-11.1	1309.2
		-21.50	1123.7	1252.0	2375.8	1424.3	-11.1	1413.2
		-22.00	1394.6	1337.7	2732.3	1638.1	-11.1	1626.9
		-22.50	1423.8	1433.1	2856.9	1712.8	-11.1	1701.7
13 - Ontgraven tot	-8.36	-12.50	482.5	88.8	571.3	342.5	-11.1	331.4
		-13.00	475.0	164.0	639.0	383.1	-11.1	372.0
		-13.50	479.7	232.6	712.3	427.1	-11.1	415.9
		-14.00	501.0	282.8	783.8	469.9	-11.1	458.8
		-14.50	591.9	326.6	918.5	550.6	-11.1	539.5
		-15.00	627.9	376.2	1004.1	602.0	-11.1	590.9
		-15.50	790.1	426.4	1216.5	729.3	-11.1	718.2
		-16.00	812.9	495.7	1308.6	784.5	-11.1	773.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.50	804.6	566.9	1371.5	822.3	-11.1	811.1
		-17.00	836.8	628.3	1465.1	878.4	-11.1	867.2
		-17.50	832.3	701.2	1533.5	919.4	-11.1	908.3
		-18.00	842.8	763.4	1606.2	962.9	-11.1	951.8
		-18.50	918.6	819.6	1738.2	1042.1	-11.1	1031.0
		-19.00	1062.3	885.6	1947.9	1167.8	-11.1	1156.7
		-19.50	1055.5	961.9	2017.4	1209.5	-11.1	1198.4
		-20.00	1093.3	1037.6	2130.9	1277.5	-11.1	1266.4
		-20.50	1151.6	1115.2	2266.8	1359.0	-11.1	1347.9
		-21.00	1163.4	1194.2	2357.6	1413.4	-11.1	1402.3
		-21.50	1441.4	1275.0	2716.4	1628.5	-11.1	1617.4
		-22.00	1925.3	1370.1	3295.3	1975.6	-11.1	1964.5
		-22.50	1984.7	1465.5	3450.2	2068.5	-11.1	2057.4
14 - Ontgraven tot	-8.36	-12.50	523.4	96.1	619.4	371.4	-11.1	360.3
		-13.00	507.7	171.7	679.3	407.3	-11.1	396.2
		-13.50	528.0	243.9	771.9	462.8	-11.1	451.7
		-14.00	564.3	294.3	858.6	514.8	-11.1	503.7
		-14.50	573.3	349.8	923.1	553.4	-11.1	542.3
		-15.00	664.7	398.8	1063.5	637.6	-11.1	626.5
		-15.50	897.3	451.5	1348.8	808.7	-11.1	797.5
		-16.00	857.0	526.7	1383.6	829.5	-11.1	818.4
		-16.50	782.5	602.8	1385.2	830.5	-11.1	819.4
		-17.00	846.1	660.1	1506.3	903.0	-11.1	891.9
		-17.50	884.8	725.3	1610.2	965.3	-11.1	954.2
		-18.00	866.2	793.8	1659.9	995.2	-11.1	984.0
		-18.50	416.2	859.8	1276.0	765.0	-11.1	753.8
		-19.00	400.3	946.3	1346.6	807.3	-11.1	796.2
		-19.50	352.0	1032.8	1384.8	830.2	-11.1	819.1
		-20.00	224.3	1109.7	1333.9	799.7	-11.1	788.6
		-20.50	484.0	1155.4	1639.4	982.9	-11.1	971.8
		-21.00	510.4	1216.8	1727.2	1035.5	-11.1	1024.4
		-21.50	503.6	1291.4	1794.9	1076.1	-11.1	1065.0
		-22.00	560.3	1345.2	1905.5	1142.4	-11.1	1131.3
		-22.50	1297.1	1411.0	2708.2	1623.6	-11.1	1612.5
15 - Ontgraven tot	-8.36	-12.50	559.3	134.9	694.2	416.2	-9.4	406.8
		-13.00	587.3	209.8	797.1	477.9	-9.4	468.5
		-13.50	638.7	266.0	904.7	542.4	-9.4	533.0
		-14.00	663.6	332.0	995.6	596.9	-9.4	587.5
		-14.50	764.3	388.2	1152.5	691.0	-9.4	681.6
		-15.00	762.4	458.4	1220.8	731.9	-9.4	722.5
		-15.50	791.6	514.8	1306.3	783.2	-9.4	773.8
		-16.00	1012.7	577.5	1590.1	953.3	-9.4	943.9
		-16.50	1096.9	654.3	1751.2	1049.9	-9.4	1040.5
		-17.00	874.3	737.3	1611.6	966.2	-9.4	956.8
		-17.50	869.8	820.9	1690.7	1013.6	-9.4	1004.2
		-18.00	825.4	905.0	1730.4	1037.4	-9.4	1028.0
		-18.50	750.3	979.3	1729.6	1036.9	-9.4	1027.5
		-19.00	828.7	1032.7	1861.4	1116.0	-9.4	1106.6
		-19.50	811.1	1106.2	1917.3	1149.5	-9.4	1140.1
		-20.00	715.8	1171.1	1886.8	1131.2	-9.4	1121.8
		-20.50	705.6	1230.6	1936.2	1160.8	-9.4	1151.4
		-21.00	687.1	1299.7	1986.8	1191.1	-9.4	1181.7
		-21.50	601.8	1362.3	1964.0	1177.5	-9.4	1168.1
		-22.00	1259.7	1405.3	2665.0	1597.7	-9.4	1588.3
		-22.50	1456.7	1499.8	2956.5	1772.5	-9.4	1763.1
16 - Ontgraven tot	-8.36	-12.50	505.0	111.1	616.1	369.4	-9.5	359.8
		-13.00	478.4	187.5	665.9	399.2	-9.5	389.7
		-13.50	502.7	246.3	749.0	449.1	-9.5	439.5
		-14.00	520.0	299.2	819.2	491.1	-9.5	481.6
		-14.50	575.4	342.3	917.7	550.2	-9.5	540.7
		-15.00	623.6	386.6	1010.3	605.7	-9.5	596.1
		-15.50	856.0	438.3	1294.2	775.9	-9.5	766.4
		-16.00	835.2	510.6	1345.7	806.8	-9.5	797.3
		-16.50	810.9	586.4	1397.3	837.7	-9.5	828.1
		-17.00	739.6	662.7	1402.3	840.7	-9.5	831.2
		-17.50	693.4	737.3	1430.6	857.7	-9.5	848.1
		-18.00	731.8	785.2	1517.1	909.5	-9.5	900.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.50	982.4	840.8	1823.1	1093.0	-9.5	1083.5
		-19.00	994.2	921.3	1915.5	1148.4	-9.5	1138.8
		-19.50	970.2	1003.4	1973.6	1183.2	-9.5	1173.7
		-20.00	964.9	1084.5	2049.3	1228.6	-9.5	1219.1
		-20.50	974.0	1157.9	2131.9	1278.1	-9.5	1268.6
		-21.00	1020.7	1231.7	2252.4	1350.3	-9.5	1340.8
		-21.50	1750.6	1312.3	3062.9	1836.3	-9.5	1826.7
		-22.00	1182.6	1407.7	2590.3	1552.9	-9.5	1543.4
		-22.50	904.2	1503.1	2407.3	1443.2	-9.5	1433.7
17 - Ontgraven tot	-8.36	-12.50	570.7	104.0	674.7	404.5	-10.4	394.1
		-13.00	600.2	177.7	777.9	466.4	-10.4	455.9
		-13.50	569.0	249.8	818.8	490.9	-10.4	480.4
		-14.00	600.4	311.1	911.6	546.5	-10.4	536.1
		-14.50	633.0	366.8	999.8	599.4	-10.4	589.0
		-15.00	733.5	418.6	1152.1	690.7	-10.4	680.3
		-15.50	871.3	476.0	1347.3	807.7	-10.4	797.3
		-16.00	946.3	546.9	1493.2	895.2	-10.4	884.8
		-16.50	981.7	622.4	1604.1	961.7	-10.4	951.2
		-17.00	1052.4	700.6	1752.9	1050.9	-10.4	1040.5
		-17.50	1077.7	783.7	1861.3	1115.9	-10.4	1105.5
		-18.00	1084.3	863.9	1948.2	1168.0	-10.4	1157.6
		-18.50	1277.9	939.1	2217.0	1329.1	-10.4	1318.7
		-19.00	1208.9	1015.9	2224.8	1333.8	-10.4	1323.4
		-19.50	1312.1	1092.6	2404.8	1441.7	-10.4	1431.3
		-20.00	1276.7	1169.3	2446.0	1466.4	-10.4	1456.0
		-20.50	1280.6	1245.0	2525.6	1514.1	-10.4	1503.7
		-21.00	1794.0	1326.7	3120.6	1870.9	-10.4	1860.4
		-21.50	2004.9	1420.8	3425.7	2053.8	-10.4	2043.4
		-22.00	2136.4	1516.3	3652.7	2189.8	-10.4	2179.4
		-22.50	2385.6	1611.7	3997.3	2396.5	-10.4	2386.0
18 - Ontgraven tot	-8.36	-12.50	531.4	90.6	622.0	372.9	-11.1	361.8
		-13.00	565.0	161.4	726.5	435.5	-11.1	424.4
		-13.50	587.6	236.6	824.3	494.2	-11.1	483.0
		-14.00	509.8	301.7	811.4	486.5	-11.1	475.3
		-14.50	496.3	348.5	844.8	506.5	-11.1	495.4
		-15.00	507.6	404.1	911.6	546.5	-11.1	535.4
		-15.50	486.2	451.5	937.7	562.2	-11.1	551.0
		-16.00	500.1	485.0	985.0	590.5	-11.1	579.4
		-16.50	603.3	520.6	1124.0	673.8	-11.1	662.7
		-17.00	908.6	571.2	1479.8	887.2	-11.1	876.0
		-17.50	938.9	656.5	1595.4	956.5	-11.1	945.3
		-18.00	932.8	751.9	1684.7	1010.0	-11.1	998.9
		-18.50	792.3	847.3	1639.7	983.0	-11.1	971.9
		-19.00	778.4	928.6	1707.0	1023.4	-11.1	1012.2
		-19.50	883.7	992.9	1876.6	1125.0	-11.1	1113.9
		-20.00	811.1	1068.1	1879.2	1126.6	-11.1	1115.5
		-20.50	929.6	1134.4	2064.0	1237.4	-11.1	1226.3
		-21.00	1152.8	1210.1	2362.9	1416.6	-11.1	1405.5
		-21.50	1168.0	1298.8	2466.8	1478.9	-11.1	1467.8
		-22.00	1182.0	1387.4	2569.4	1540.4	-11.1	1529.3
		-22.50	1721.4	1478.2	3199.5	1918.2	-11.1	1907.1
19 - Ontgraven tot	-8.36	-12.50	587.3	123.5	710.8	426.1	-10.4	415.7
		-13.00	589.3	199.8	789.1	473.1	-10.4	462.6
		-13.50	605.3	260.7	866.0	519.2	-10.4	508.7
		-14.00	654.1	314.0	968.1	580.4	-10.4	569.9
		-14.50	672.9	382.4	1055.3	632.7	-10.4	622.2
		-15.00	749.7	437.4	1187.1	711.7	-10.4	701.2
		-15.50	705.5	499.5	1205.0	722.4	-10.4	712.0
		-16.00	695.8	560.6	1256.4	753.2	-10.4	742.8
		-16.50	683.1	616.4	1299.5	779.1	-10.4	768.6
		-17.00	688.8	667.0	1355.8	812.8	-10.4	802.4
		-17.50	1383.8	724.0	2107.9	1263.7	-10.4	1253.3
		-18.00	1263.6	819.5	2083.1	1248.8	-10.4	1238.4
		-18.50	1236.5	914.9	2151.4	1289.8	-10.4	1279.4
		-19.00	1031.5	1010.3	2041.8	1224.1	-10.4	1213.7
		-19.50	883.0	1100.0	1983.0	1188.9	-10.4	1178.4
		-20.00	1055.4	1167.7	2223.1	1332.8	-10.4	1322.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezwijk draagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.50	993.1	1243.9	2237.0	1341.1	-10.4	1330.7
		-21.00	1311.8	1323.4	2635.2	1579.9	-10.4	1569.4
		-21.50	1311.5	1418.8	2730.4	1636.9	-10.4	1626.5
		-22.00	1714.3	1513.4	3227.8	1935.1	-10.4	1924.7
		-22.50	1522.2	1608.9	3131.1	1877.1	-10.4	1866.7

REKENGEGEVENS SI 500 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor ξ_3 (n=1) : 1.39 (handmatig)
 Factor ξ_3 (gem) : 1.39 (handmatig)
 Factor ξ_4 (min) : 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : SI 500
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS SI 500

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL SI 500 o (n=1)

Uitgangspunten

- paal	: SI 500
- paaltype	: In de grond gevormde geschroefde paal; groutinjectie
- schachtafmeting	: 500 mm
Paalklassefactor α_p	: 0.63
Factor α_s (tabel 7.c EC 7.1)	: 0.009 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1)	: 1.39

Alle niveaus/hogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	712.8	107.8	820.6	492.0	-12.4	479.6
		-13.00	760.9	187.6	948.5	568.6	-12.4	556.3
		-13.50	800.1	272.4	1072.6	643.0	-12.4	630.7
		-14.00	670.0	356.6	1026.6	615.5	-12.4	603.1
		-14.50	688.7	417.8	1106.5	663.4	-12.4	651.0
		-15.00	711.0	488.4	1199.4	719.1	-12.4	706.7
		-15.50	697.6	560.7	1258.2	754.3	-12.4	742.0
		-16.00	687.3	606.4	1293.7	775.6	-12.4	763.2
		-16.50	864.0	648.1	1512.0	906.5	-12.4	894.1
		-17.00	994.0	708.7	1702.7	1020.8	-12.4	1008.4
		-17.50	1072.8	785.0	1857.7	1113.8	-12.4	1101.4
		-18.00	1004.1	879.7	1883.8	1129.4	-12.4	1117.0
		-18.50	926.3	974.3	1900.6	1139.5	-12.4	1127.1
		-19.00	955.5	1038.2	1993.7	1195.3	-12.4	1182.9
		-19.50	946.4	1108.9	2055.3	1232.2	-12.4	1219.8
		-20.00	1172.7	1174.3	2347.0	1407.1	-12.4	1394.7
		-20.50	1170.6	1258.9	2429.4	1456.5	-12.4	1444.2
		-21.00	1747.5	1344.8	3092.3	1853.9	-12.4	1841.5
		-21.50	1812.3	1450.8	3263.1	1956.3	-12.4	1943.9
		-22.00	2033.3	1556.8	3590.1	2152.3	-12.4	2140.0
		-22.50	2223.6	1662.8	3886.4	2330.0	-12.4	2317.6
2 - Ontgraven tot	-8.36	-12.50	615.4	92.2	707.6	424.2	-13.7	410.6
		-13.00	611.7	165.4	777.1	465.9	-13.7	452.2
		-13.50	633.1	242.1	875.2	524.7	-13.7	511.0
		-14.00	655.0	311.1	966.1	579.2	-13.7	565.5
		-14.50	692.2	363.3	1055.5	632.8	-13.7	619.1
		-15.00	785.2	410.6	1195.8	716.9	-13.7	703.2
		-15.50	823.1	467.4	1290.5	773.7	-13.7	760.0
		-16.00	832.4	525.3	1357.7	814.0	-13.7	800.3
		-16.50	810.0	586.9	1396.9	837.5	-13.7	823.8
		-17.00	818.0	636.6	1454.6	872.1	-13.7	858.4
		-17.50	999.0	687.3	1686.3	1011.0	-13.7	997.3
		-18.00	954.6	769.0	1723.6	1033.3	-13.7	1019.7
		-18.50	1094.9	838.6	1933.4	1159.1	-13.7	1145.5
		-19.00	1108.2	920.3	2028.5	1216.1	-13.7	1202.5
		-19.50	1128.1	995.3	2123.4	1273.0	-13.7	1259.3
		-20.00	1120.3	1078.8	2199.2	1318.4	-13.7	1304.8
		-20.50	1115.4	1156.3	2271.7	1361.9	-13.7	1348.3
		-21.00	1880.7	1235.3	3116.1	1868.2	-13.7	1854.5
		-21.50	1972.5	1341.4	3313.8	1986.7	-13.7	1973.1
		-22.00	1991.6	1447.4	3439.0	2061.7	-13.7	2048.1
		-22.50	2041.0	1553.4	3594.4	2154.9	-13.7	2141.3
3 - Ontgraven tot	-8.36	-12.50	712.6	104.2	816.7	489.7	-13.1	476.5
		-13.00	647.3	188.0	835.3	500.8	-13.1	487.7
		-13.50	629.2	272.7	901.9	540.7	-13.1	527.6
		-14.00	643.9	345.5	989.4	593.2	-13.1	580.1
		-14.50	673.1	405.6	1078.7	646.7	-13.1	633.6
		-15.00	712.1	453.1	1165.3	698.6	-13.1	685.5
		-15.50	747.9	498.2	1246.1	747.1	-13.1	734.0
		-16.00	780.4	542.4	1322.8	793.1	-13.1	779.9
		-16.50	758.0	595.4	1353.4	811.4	-13.1	798.3
		-17.00	849.4	640.0	1489.4	892.9	-13.1	879.8
		-17.50	967.9	698.2	1666.2	998.9	-13.1	985.8
		-18.00	867.8	780.6	1648.3	988.2	-13.1	975.1
		-18.50	759.3	865.3	1624.6	974.0	-13.1	960.9
		-19.00	709.4	945.5	1654.9	992.1	-13.1	979.0
		-19.50	704.1	998.5	1702.6	1020.8	-13.1	1007.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	657.9	1055.1	1713.0	1027.0	-13.1	1013.9
		-20.50	1119.7	1096.0	2215.7	1328.4	-13.1	1315.3
		-21.00	1605.8	1189.4	2795.3	1675.8	-13.1	1662.7
		-21.50	1689.3	1295.4	2984.7	1789.4	-13.1	1776.3
		-22.00	1724.4	1401.5	3125.9	1874.0	-13.1	1860.9
		-22.50	1811.6	1507.5	3319.1	1989.9	-13.1	1976.8
4 - Ontgraven tot	-8.36	-12.50	755.6	104.6	860.2	515.7	-12.6	503.1
		-13.00	791.6	189.1	980.7	587.9	-12.6	575.3
		-13.50	861.7	263.5	1125.2	674.6	-12.6	661.9
		-14.00	993.8	335.7	1329.5	797.1	-12.6	784.5
		-14.50	1070.2	414.9	1485.1	890.3	-12.6	877.7
		-15.00	1147.8	493.4	1641.2	983.9	-12.6	971.3
		-15.50	1272.8	575.7	1848.5	1108.2	-12.6	1095.6
		-16.00	1374.0	660.6	2034.6	1219.8	-12.6	1207.2
		-16.50	1016.9	758.5	1775.4	1064.4	-12.6	1051.8
		-17.00	970.2	844.8	1815.0	1088.2	-12.6	1075.5
		-17.50	956.6	920.5	1877.1	1125.4	-12.6	1112.7
		-18.00	813.6	1005.3	1818.9	1090.5	-12.6	1077.9
		-18.50	762.5	1069.4	1832.0	1098.3	-12.6	1085.7
		-19.00	998.8	1119.7	2118.5	1270.1	-12.6	1257.5
		-19.50	1095.4	1196.1	2291.5	1373.8	-12.6	1361.2
		-20.00	1361.4	1277.7	2639.1	1582.2	-12.6	1569.6
		-20.50	1644.9	1372.8	3017.7	1809.2	-12.6	1796.6
		-21.00	1695.6	1478.9	3174.5	1903.2	-12.6	1890.5
		-21.50	1722.1	1584.9	3307.0	1982.6	-12.6	1970.0
		-22.00	1645.9	1690.9	3336.8	2000.5	-12.6	1987.9
		-22.50	1770.1	1796.1	3566.2	2138.0	-12.6	2125.4
5 - Ontgraven tot	-8.36	-12.50	733.8	105.9	839.7	503.4	-12.4	491.1
		-13.00	630.7	187.4	818.2	490.5	-12.4	478.2
		-13.50	639.4	267.1	906.6	543.5	-12.4	531.1
		-14.00	648.6	348.6	997.1	597.8	-12.4	585.4
		-14.50	633.4	423.4	1056.9	633.6	-12.4	621.3
		-15.00	671.4	467.5	1139.0	682.8	-12.4	670.5
		-15.50	871.3	513.5	1384.8	830.2	-12.4	817.9
		-16.00	866.1	584.6	1450.6	869.7	-12.4	857.3
		-16.50	811.1	660.7	1471.8	882.4	-12.4	870.0
		-17.00	859.2	715.0	1574.2	943.8	-12.4	931.4
		-17.50	833.9	791.1	1625.0	974.2	-12.4	961.9
		-18.00	811.7	869.6	1681.4	1008.0	-12.4	995.7
		-18.50	802.7	925.2	1727.9	1035.9	-12.4	1023.6
		-19.00	814.9	972.9	1787.8	1071.8	-12.4	1059.5
		-19.50	844.9	1020.9	1865.8	1118.6	-12.4	1106.2
		-20.00	1069.3	1072.9	2142.3	1284.3	-12.4	1272.0
		-20.50	1433.9	1153.5	2587.4	1551.2	-12.4	1538.8
6 - Ontgraven tot	-8.36	-21.00	2030.2	1254.7	3284.9	1969.4	-12.4	1957.0
		-21.50	2091.8	1360.7	3452.6	2069.9	-12.4	2057.5
		-22.00	2135.9	1466.7	3602.7	2159.9	-12.4	2147.5
		-22.50	2212.3	1572.8	3785.1	2269.2	-12.4	2256.9
		-12.50	779.3	100.5	879.8	527.5	-13.4	514.0
		-13.00	646.2	183.1	829.3	497.2	-13.4	483.8
		-13.50	662.1	264.8	926.9	555.7	-13.4	542.3
		-14.00	682.9	342.9	1025.8	615.0	-13.4	601.5
		-14.50	670.1	417.7	1087.8	652.2	-13.4	638.7
		-15.00	785.7	464.5	1250.2	749.5	-13.4	736.1
		-15.50	866.7	526.1	1392.8	835.0	-13.4	821.6
		-16.00	858.7	604.4	1463.2	877.2	-13.4	863.8
		-16.50	845.5	674.8	1520.3	911.4	-13.4	898.0
		-17.00	810.9	739.1	1550.0	929.3	-13.4	915.8
		-17.50	943.8	790.3	1734.1	1039.6	-13.4	1026.2
		-18.00	997.3	858.4	1855.7	1112.5	-13.4	1099.1
		-18.50	1122.9	926.2	2049.2	1228.5	-13.4	1215.1
		-19.00	1228.1	1005.9	2234.0	1339.3	-13.4	1325.9
		-19.50	1256.5	1090.7	2347.3	1407.2	-13.4	1393.8
		-20.00	1874.8	1173.3	3048.1	1827.4	-13.4	1814.0
		-20.50	1939.5	1279.1	3218.6	1929.6	-13.4	1916.2
		-21.00	2019.2	1385.1	3404.4	2041.0	-13.4	2027.6
		-21.50	2113.7	1491.2	3604.9	2161.2	-13.4	2147.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	2172.3	1597.2	3769.5	2259.9	-13.4	2246.5
		-22.50	2118.7	1703.2	3821.9	2291.3	-13.4	2277.9
7 - Ontgraven tot	-8.36	-12.50	845.2	109.3	954.5	572.2	-13.4	558.8
		-13.00	872.7	191.6	1064.3	638.1	-13.4	624.6
		-13.50	822.6	276.2	1098.8	658.7	-13.4	645.3
		-14.00	857.2	356.5	1213.7	727.7	-13.4	714.2
		-14.50	872.9	441.1	1314.0	787.8	-13.4	774.3
		-15.00	797.2	517.5	1314.7	788.2	-13.4	774.8
		-15.50	853.9	574.0	1427.9	856.0	-13.4	842.6
		-16.00	744.3	641.5	1385.8	830.8	-13.4	817.4
		-16.50	678.4	721.9	1400.3	839.5	-13.4	826.1
		-17.00	689.4	764.2	1453.6	871.5	-13.4	858.0
		-17.50	680.5	819.0	1499.5	899.0	-13.4	885.6
		-18.00	719.7	869.9	1589.7	953.0	-13.4	939.6
		-18.50	689.3	935.2	1624.5	973.9	-13.4	960.5
		-19.00	752.6	985.1	1737.7	1041.8	-13.4	1028.4
		-19.50	1072.5	1045.0	2117.5	1269.5	-13.4	1256.0
		-20.00	1032.0	1129.8	2161.8	1296.1	-13.4	1282.6
		-20.50	940.4	1213.7	2154.1	1291.4	-13.4	1278.0
		-21.00	1610.3	1280.6	2890.9	1733.1	-13.4	1719.7
		-21.50	1802.7	1382.6	3185.3	1909.7	-13.4	1896.3
8 - Ontgraven tot	-8.36	-12.50	636.5	102.2	738.7	442.9	-12.4	430.5
		-13.00	621.5	176.2	797.7	478.2	-12.4	465.9
		-13.50	545.4	260.8	806.2	483.3	-12.4	471.0
		-14.00	537.7	328.9	866.7	519.6	-12.4	507.2
		-14.50	559.9	382.3	942.2	564.8	-12.4	552.5
		-15.00	578.8	428.3	1007.1	603.8	-12.4	591.4
		-15.50	599.9	467.2	1067.1	639.7	-12.4	627.4
		-16.00	650.3	503.2	1153.4	691.5	-12.4	679.2
		-16.50	575.1	546.0	1121.1	672.1	-12.4	659.8
		-17.00	542.3	601.9	1144.2	686.0	-12.4	673.6
		-17.50	520.5	653.1	1173.6	703.6	-12.4	691.2
		-18.00	505.8	691.0	1196.8	717.5	-12.4	705.2
		-18.50	517.1	721.8	1238.9	742.7	-12.4	730.4
		-19.00	590.5	753.8	1344.4	806.0	-12.4	793.6
		-19.50	919.5	795.0	1714.5	1027.9	-12.4	1015.5
		-20.00	1247.9	876.8	2124.6	1273.8	-12.4	1261.4
		-20.50	1593.3	978.5	2571.8	1541.8	-12.4	1529.5
		-21.00	1899.1	1084.6	2983.7	1788.8	-12.4	1776.4
		-21.50	2024.1	1190.6	3214.6	1927.2	-12.4	1914.9
9 - Ontgraven tot	-8.36	-12.50	751.1	102.9	854.1	512.0	-13.1	498.9
		-13.00	649.7	186.1	835.7	501.0	-13.1	487.9
		-13.50	659.8	267.7	927.5	556.1	-13.1	542.9
		-14.00	623.8	350.0	973.8	583.8	-13.1	570.7
		-14.50	623.5	417.7	1041.1	624.2	-13.1	611.1
		-15.00	579.6	469.0	1048.7	628.7	-13.1	615.6
		-15.50	590.7	517.8	1108.5	664.6	-13.1	651.5
		-16.00	583.7	561.2	1144.9	686.4	-13.1	673.3
		-16.50	578.1	599.8	1177.9	706.2	-13.1	693.1
		-17.00	577.7	636.4	1214.1	727.9	-13.1	714.8
		-17.50	588.1	672.5	1260.6	755.8	-13.1	742.6
		-18.00	572.7	712.2	1285.0	770.4	-13.1	757.3
		-18.50	684.8	746.0	1430.7	857.7	-13.1	844.6
		-19.00	861.5	797.7	1659.1	994.7	-13.1	981.6
		-19.50	1280.2	874.2	2154.4	1291.6	-13.1	1278.5
		-20.00	1280.3	980.2	2260.5	1355.2	-13.1	1342.1
		-20.50	1312.8	1083.8	2396.6	1436.8	-13.1	1423.7
		-21.00	1774.9	1182.8	2957.7	1773.2	-13.1	1760.1
		-21.50	2068.1	1288.9	3357.0	2012.6	-13.1	1999.5
10 - Ontgraven tot	-8.36	-22.00	2172.5	1394.9	3567.3	2138.7	-13.1	2125.6
		-22.50	2182.0	1500.9	3682.9	2208.0	-13.1	2194.9
		-12.50	660.0	87.5	747.5	448.1	-13.1	435.0
		-13.00	707.0	165.2	872.2	522.9	-13.1	509.8
		-13.50	729.1	243.4	972.5	583.0	-13.1	569.9
		-14.00	763.2	301.8	1065.0	638.5	-13.1	625.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.50	717.7	369.1	1086.8	651.5	-13.1	638.4
		-15.00	740.0	443.2	1183.2	709.4	-13.1	696.2
		-15.50	751.3	513.2	1264.5	758.1	-13.1	745.0
		-16.00	709.4	575.4	1284.9	770.3	-13.1	757.2
		-16.50	817.1	619.6	1436.7	861.3	-13.1	848.2
		-17.00	781.5	691.3	1472.8	883.0	-13.1	869.9
		-17.50	869.3	741.0	1610.3	965.4	-13.1	952.3
		-18.00	1058.3	806.3	1864.6	1117.9	-13.1	1104.7
		-18.50	958.3	891.1	1849.4	1108.8	-13.1	1095.7
		-19.00	822.8	967.5	1790.3	1073.3	-13.1	1060.2
		-19.50	936.5	1017.6	1954.1	1171.5	-13.1	1158.4
		-20.00	1048.3	1082.7	2131.1	1277.6	-13.1	1264.5
		-20.50	1136.3	1158.0	2294.3	1375.5	-13.1	1362.4
		-21.00	1447.6	1235.7	2683.2	1608.7	-13.1	1595.5
		-21.50	1910.0	1336.4	3246.3	1946.3	-13.1	1933.1
		-22.00	2047.9	1442.4	3490.3	2092.5	-13.1	2079.4
		-22.50	2144.8	1548.4	3693.2	2214.2	-13.1	2201.0
11 - Ontgraven tot	-8.36	-12.50	568.0	75.0	643.0	385.5	-13.1	372.4
		-13.00	535.0	149.5	684.5	410.4	-13.1	397.3
		-13.50	532.4	233.5	766.0	459.2	-13.1	446.1
		-14.00	547.1	295.9	843.0	505.4	-13.1	492.3
		-14.50	547.9	350.2	898.2	538.5	-13.1	525.4
		-15.00	631.2	386.8	1018.0	610.3	-13.1	597.2
		-15.50	1029.8	435.0	1464.8	878.2	-13.1	865.1
		-16.00	1060.1	519.0	1579.0	946.7	-13.1	933.5
		-16.50	924.8	603.8	1528.6	916.4	-13.1	903.3
		-17.00	850.7	686.1	1536.8	921.4	-13.1	908.2
		-17.50	839.4	759.7	1599.1	958.7	-13.1	945.6
		-18.00	800.7	841.8	1642.5	984.7	-13.1	971.6
		-18.50	775.6	902.8	1678.5	1006.3	-13.1	993.2
		-19.00	840.6	950.6	1791.1	1073.8	-13.1	1060.7
		-19.50	1062.4	1005.8	2068.2	1239.9	-13.1	1226.8
		-20.00	2113.6	1089.7	3203.3	1920.4	-13.1	1907.3
		-20.50	2182.2	1195.8	3378.0	2025.2	-13.1	2012.1
		-21.00	1992.8	1301.8	3294.6	1975.2	-13.1	1962.1
		-21.50	2026.8	1407.8	3434.6	2059.1	-13.1	2046.0
		-22.00	2070.4	1513.9	3584.3	2148.8	-13.1	2135.7
		-22.50	2088.9	1619.9	3708.8	2223.5	-13.1	2210.4
12 - Ontgraven tot	-8.36	-12.50	721.6	92.0	813.6	487.8	-12.4	475.4
		-13.00	764.8	173.5	938.4	562.6	-12.4	550.2
		-13.50	775.3	258.4	1033.7	619.7	-12.4	607.4
		-14.00	804.0	335.4	1139.5	683.1	-12.4	670.8
		-14.50	894.7	398.2	1292.9	775.1	-12.4	762.8
		-15.00	927.2	467.0	1394.2	835.9	-12.4	823.5
		-15.50	891.0	551.8	1442.8	865.0	-12.4	852.6
		-16.00	907.4	618.9	1526.4	915.1	-12.4	902.7
		-16.50	832.4	689.4	1521.8	912.4	-12.4	900.0
		-17.00	821.4	756.0	1577.4	945.7	-12.4	933.3
		-17.50	831.3	806.8	1638.1	982.1	-12.4	969.7
		-18.00	787.2	871.9	1659.1	994.6	-12.4	982.3
		-18.50	933.5	923.3	1856.8	1113.2	-12.4	1100.8
		-19.00	1006.7	992.9	1999.6	1198.8	-12.4	1186.5
		-19.50	1144.2	1066.9	2211.1	1325.6	-12.4	1313.2
		-20.00	1151.8	1145.5	2297.3	1377.3	-12.4	1364.9
		-20.50	1168.7	1228.0	2396.7	1436.9	-12.4	1424.5
		-21.00	1251.6	1306.4	2558.1	1533.6	-12.4	1521.3
		-21.50	1404.0	1391.1	2795.1	1675.7	-12.4	1663.4
		-22.00	1698.3	1486.3	3184.6	1909.2	-12.4	1896.9
		-22.50	1735.5	1592.3	3327.8	1995.1	-12.4	1982.7
13 - Ontgraven tot	-8.36	-12.50	557.7	98.7	656.4	393.5	-12.4	381.1
		-13.00	571.7	182.2	754.0	452.0	-12.4	439.7
		-13.50	573.3	258.4	831.7	498.6	-12.4	486.3
		-14.00	595.3	314.2	909.5	545.3	-12.4	532.9
		-14.50	704.9	362.9	1067.8	640.2	-12.4	627.8
		-15.00	755.3	418.1	1173.4	703.5	-12.4	691.1
		-15.50	967.2	473.7	1440.9	863.8	-12.4	851.5
		-16.00	996.9	550.8	1547.8	927.9	-12.4	915.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.50	987.3	629.9	1617.2	969.6	-12.4	957.2
		-17.00	1021.6	698.1	1719.7	1031.0	-12.4	1018.7
		-17.50	1013.4	779.1	1792.5	1074.7	-12.4	1062.3
		-18.00	1024.8	848.2	1873.0	1122.9	-12.4	1110.5
		-18.50	1124.5	910.7	2035.2	1220.1	-12.4	1207.8
		-19.00	1302.7	984.0	2286.7	1370.9	-12.4	1358.6
		-19.50	1298.9	1068.8	2367.7	1419.5	-12.4	1407.2
		-20.00	1359.6	1152.9	2512.6	1506.3	-12.4	1494.0
		-20.50	1412.0	1239.1	2651.1	1589.4	-12.4	1577.0
		-21.00	1423.1	1326.9	2750.0	1648.7	-12.4	1636.3
		-21.50	1778.9	1416.7	3195.6	1915.8	-12.4	1903.5
		-22.00	2310.6	1522.3	3832.9	2297.9	-12.4	2285.6
		-22.50	2383.0	1628.3	4011.4	2404.9	-12.4	2392.5
14 - Ontgraven tot	-8.36	-12.50	625.4	106.7	732.1	438.9	-12.4	426.6
		-13.00	611.7	190.7	802.4	481.1	-12.4	468.7
		-13.50	630.7	271.0	901.7	540.6	-12.4	528.2
		-14.00	670.8	327.0	997.8	598.2	-12.4	585.8
		-14.50	693.8	388.6	1082.5	649.0	-12.4	636.6
		-15.00	792.1	443.1	1235.2	740.5	-12.4	728.2
		-15.50	1055.9	501.7	1557.6	933.8	-12.4	921.5
		-16.00	1054.2	585.2	1639.4	982.8	-12.4	970.5
		-16.50	960.1	669.7	1629.8	977.1	-12.4	964.8
		-17.00	1036.5	733.5	1770.0	1061.1	-12.4	1048.8
		-17.50	1083.2	805.9	1889.1	1132.6	-12.4	1120.2
		-18.00	1058.2	882.0	1940.2	1163.2	-12.4	1150.8
		-18.50	523.0	955.3	1478.3	886.2	-12.4	873.9
		-19.00	494.2	1051.4	1545.6	926.6	-12.4	914.3
		-19.50	434.5	1147.6	1582.1	948.5	-12.4	936.2
		-20.00	328.0	1233.0	1561.0	935.8	-12.4	923.5
		-20.50	595.6	1283.8	1879.4	1126.8	-12.4	1114.4
		-21.00	623.5	1352.0	1975.5	1184.4	-12.4	1172.0
		-21.50	610.3	1434.9	2045.2	1226.1	-12.4	1213.8
		-22.00	724.4	1494.7	2219.1	1330.4	-12.4	1318.0
		-22.50	1576.4	1567.8	3144.2	1885.0	-12.4	1872.6
15 - Ontgraven tot	-8.36	-12.50	674.7	149.9	824.5	494.3	-10.4	483.9
		-13.00	703.6	233.1	936.7	561.6	-10.4	551.1
		-13.50	761.3	295.6	1056.9	633.6	-10.4	623.2
		-14.00	806.7	368.9	1175.5	704.8	-10.4	694.3
		-14.50	907.1	431.3	1338.5	802.4	-10.4	792.0
		-15.00	919.1	509.3	1428.4	856.3	-10.4	845.9
		-15.50	993.8	572.0	1565.8	938.7	-10.4	928.3
		-16.00	1246.0	641.6	1887.6	1131.7	-10.4	1121.2
		-16.50	1146.7	727.0	1873.7	1123.3	-10.4	1112.9
		-17.00	1072.3	819.2	1891.5	1134.0	-10.4	1123.6
		-17.50	1074.0	912.1	1986.1	1190.7	-10.4	1180.3
		-18.00	1018.3	1005.5	2023.8	1213.3	-10.4	1202.9
		-18.50	934.1	1088.1	2022.2	1212.3	-10.4	1201.9
		-19.00	1029.8	1147.4	2177.2	1305.3	-10.4	1294.8
		-19.50	1000.9	1229.1	2230.0	1336.9	-10.4	1326.5
		-20.00	874.3	1301.2	2175.4	1304.2	-10.4	1293.8
		-20.50	871.2	1367.3	2238.5	1342.0	-10.4	1331.6
		-21.00	848.3	1444.1	2292.4	1374.3	-10.4	1363.9
		-21.50	742.7	1513.6	2256.3	1352.7	-10.4	1342.3
		-22.00	1598.9	1561.4	3160.3	1894.7	-10.4	1884.2
		-22.50	1787.2	1666.4	3453.6	2070.5	-10.4	2060.1
16 - Ontgraven tot	-8.36	-12.50	575.5	123.5	699.0	419.1	-10.6	408.5
		-13.00	569.9	208.3	778.2	466.5	-10.6	455.9
		-13.50	600.0	273.7	873.7	523.8	-10.6	513.2
		-14.00	617.0	332.4	949.4	569.2	-10.6	558.6
		-14.50	682.5	380.3	1062.9	637.2	-10.6	626.6
		-15.00	762.3	429.6	1191.8	714.5	-10.6	703.9
		-15.50	1061.7	487.0	1548.6	928.4	-10.6	917.8
		-16.00	1023.6	567.3	1591.0	953.8	-10.6	943.2
		-16.50	992.4	651.6	1644.0	985.6	-10.6	975.0
		-17.00	907.9	736.4	1644.3	985.8	-10.6	975.2
		-17.50	849.7	819.2	1668.9	1000.5	-10.6	989.9
		-18.00	894.8	872.5	1767.2	1059.5	-10.6	1048.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.50	1206.4	934.2	2140.6	1283.3	-10.6	1272.7
		-19.00	1194.3	1023.6	2217.9	1329.7	-10.6	1319.1
		-19.50	1192.5	1114.9	2307.4	1383.3	-10.6	1372.7
		-20.00	1183.6	1205.0	2388.6	1432.0	-10.6	1421.4
		-20.50	1192.6	1286.6	2479.2	1486.3	-10.6	1475.7
		-21.00	1294.8	1368.6	2663.3	1596.7	-10.6	1586.1
		-21.50	1883.4	1458.1	3341.5	2003.3	-10.6	1992.7
		-22.00	1260.5	1564.1	2824.6	1693.4	-10.6	1682.8
		-22.50	1119.9	1670.1	2790.0	1672.7	-10.6	1662.1
17 - Ontgraven tot	-8.36	-12.50	684.4	115.6	800.0	479.6	-11.6	468.0
		-13.00	654.4	197.4	851.8	510.7	-11.6	499.1
		-13.50	679.3	277.6	956.9	573.7	-11.6	562.1
		-14.00	713.1	345.7	1058.8	634.8	-11.6	623.2
		-14.50	750.1	407.5	1157.6	694.0	-11.6	682.4
		-15.00	880.0	465.1	1345.1	806.4	-11.6	794.8
		-15.50	1073.4	528.9	1602.3	960.6	-11.6	949.0
		-16.00	1162.7	607.6	1770.3	1061.3	-11.6	1049.7
		-16.50	1218.8	691.6	1910.4	1145.3	-11.6	1133.7
		-17.00	1285.4	778.4	2063.8	1237.3	-11.6	1225.7
		-17.50	1312.5	870.8	2183.2	1308.9	-11.6	1297.3
		-18.00	1316.2	959.9	2276.1	1364.6	-11.6	1353.0
		-18.50	1534.6	1043.5	2578.1	1545.6	-11.6	1534.0
		-19.00	1472.7	1128.8	2601.4	1559.6	-11.6	1548.0
		-19.50	1618.6	1214.0	2832.7	1698.2	-11.6	1686.6
		-20.00	1575.3	1299.3	2874.6	1723.4	-11.6	1711.8
		-20.50	1580.2	1383.4	2963.6	1776.7	-11.6	1765.1
		-21.00	2256.1	1474.1	3730.2	2236.3	-11.6	2224.7
		-21.50	2462.3	1578.7	4041.0	2422.7	-11.6	2411.1
		-22.00	2622.1	1684.7	4306.8	2582.0	-11.6	2570.4
		-22.50	2945.2	1790.8	4736.0	2839.3	-11.6	2827.7
18 - Ontgraven tot	-8.36	-12.50	639.0	100.7	739.7	443.5	-12.4	431.1
		-13.00	679.4	179.4	858.7	514.8	-12.4	502.5
		-13.50	635.7	262.9	898.6	538.8	-12.4	526.4
		-14.00	563.5	335.2	898.6	538.7	-12.4	526.4
		-14.50	591.9	387.2	979.2	587.0	-12.4	574.7
		-15.00	603.4	448.9	1052.3	630.9	-12.4	618.5
		-15.50	598.4	501.6	1100.0	659.5	-12.4	647.1
		-16.00	621.4	538.8	1160.2	695.6	-12.4	683.2
		-16.50	752.4	578.5	1330.9	797.9	-12.4	785.5
		-17.00	1148.5	634.6	1783.2	1069.0	-12.4	1056.7
		-17.50	1174.4	729.4	1903.9	1141.4	-12.4	1129.1
		-18.00	1147.4	835.5	1982.9	1188.8	-12.4	1176.4
		-18.50	972.4	941.5	1913.9	1147.4	-12.4	1135.1
		-19.00	992.8	1031.8	2024.6	1213.8	-12.4	1201.4
		-19.50	1081.4	1103.2	2184.6	1309.7	-12.4	1297.3
		-20.00	993.4	1186.8	2180.2	1307.1	-12.4	1294.7
		-20.50	1141.9	1260.4	2402.4	1440.3	-12.4	1427.9
		-21.00	1413.6	1344.6	2758.2	1653.6	-12.4	1641.3
		-21.50	1426.1	1443.1	2869.2	1720.2	-12.4	1707.8
		-22.00	1444.9	1541.6	2986.5	1790.5	-12.4	1778.1
		-22.50	2100.3	1642.4	3742.7	2243.8	-12.4	2231.5
19 - Ontgraven tot	-8.36	-12.50	710.4	137.2	847.6	508.1	-11.6	496.5
		-13.00	675.6	222.0	897.6	538.1	-11.6	526.5
		-13.50	722.5	289.6	1012.1	606.8	-11.6	595.2
		-14.00	777.3	348.9	1126.2	675.2	-11.6	663.6
		-14.50	796.3	424.9	1221.1	732.1	-11.6	720.5
		-15.00	878.9	486.0	1364.9	818.3	-11.6	806.7
		-15.50	869.8	555.0	1424.8	854.2	-11.6	842.6
		-16.00	859.0	622.9	1481.9	888.4	-11.6	876.8
		-16.50	843.3	684.9	1528.2	916.2	-11.6	904.6
		-17.00	856.9	741.1	1597.9	958.0	-11.6	946.4
		-17.50	1654.7	804.5	2459.2	1474.3	-11.6	1462.7
		-18.00	1556.7	910.5	2467.2	1479.1	-11.6	1467.5
		-18.50	1459.2	1016.5	2475.7	1484.2	-11.6	1472.6
		-19.00	1272.8	1122.6	2395.4	1436.1	-11.6	1424.5
		-19.50	1092.9	1222.3	2315.2	1388.0	-11.6	1376.4
		-20.00	1290.8	1297.4	2588.2	1551.7	-11.6	1540.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	paalpunt	Bezwijkdraagvermogen			Rekenwaarden		
			$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.50	1233.2	1382.2	2615.3	1567.9	-11.6	1556.3
		-21.00	1607.1	1470.5	3077.6	1845.1	-11.6	1833.5
		-21.50	1611.7	1576.5	3188.2	1911.4	-11.6	1899.8
		-22.00	1923.8	1681.6	3605.4	2161.5	-11.6	2149.9
		-22.50	1840.5	1787.6	3628.1	2175.1	-11.6	2163.5



C3 Avegaarpalen

Technosoft Paalfunderingen release 6.71a

22 dec 2022

Toegepaste normen volgens Eurocode met Nederlandse NB

Geotechniek	EN 1997-1:2004	AC:2009	
	NEN-EN 1997-1:2005	C1+A1:2013	NB:2016
	NEN 9997-1:2016	C2:2017	

PAALGEGEVENS 350

Type	: Avegaarpaal
Wijze van installeren	: Schroeven
Diameter [m]	: 0.350
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0045 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.56
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Avegaarpaal
Verm.factor * $\phi'_{j,k}$	: 1.00

PAALGEGEVENS 400

Type	: Avegaarpaal
Wijze van installeren	: Schroeven
Diameter [m]	: 0.400
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0045 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.56
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Avegaarpaal
Verm.factor * $\phi'_{j,k}$	: 1.00

PAALGEGEVENS 450

Type	: Avegaarpaal
Wijze van installeren	: Schroeven
Diameter [m]	: 0.450
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0045 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.56
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Avegaarpaal
Verm.factor * $\phi'_{j,k}$	: 1.00

PAALGEGEVENS 500

Type	: Avegaarpaal
Wijze van installeren	: Schroeven
Diameter [m]	: 0.500
Elasticiteitsmodulus [N/mm ²]	: 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1)	: 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1)	: 0.0045 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p	: 0.56
Paalvoetvormfactor β	: 1.00
Type lastzakingsdiagram	: Avegaarpaal
Verm.factor * $\phi'_{j,k}$	: 1.00

**PAALGEGEVENS 550**

Type : Avegaarpaal
Wijze van installeren : Schroeven
Diameter [m] : 0.550
Elasticiteitsmodulus [N/mm²] : 20000 (Beton)
Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Factor α_t (tabel 7.c EC 7.1) : 0.0045 (zandlagen; voor kleilagen zie tabel 7.d)
Paalklassefactor α_p : 0.56
Paalvoetvormfactor β : 1.00
Type lastzakingsdiagram : Avegaarpaal
Verm.factor * $\phi'_{j,k}$: 1.00

REKENEGEGEVENS 350

Berekening : Ontwerpend
Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
: 17, 18, 19

Stijf bouwwerk : NEE
Paalgroep : NEE
Aantal sonderingen : 19
Factor ξ_3 ($n=1$) : 1.39 (handmatig)
Factor ξ_3 (gem) : 1.39 (handmatig)
Factor ξ_4 (min) : 1.39 (handmatig)
Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{b,cal,max,i}$ begrenzen op $0.75 * R_{b,cal,max,i}$: NEE
UGT draagvermogen zonder negatieve kleef : NEE

Paal : 350
Niveau paalkop [m] : N.A.P. 0.00
Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 350

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL 350 (n=1)

Uitgangspunten

- paal : 350
 - paaltype : Avegaarpaal
 - schachtafmeting : 350 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	454.1	80.1	534.3	320.3	-71.0	249.4
		-13.00	390.3	129.6	520.0	311.7	-71.0	240.8
		-13.50	371.4	179.1	550.5	330.0	-71.0	259.1
		-14.00	343.9	228.6	572.4	343.2	-71.0	272.2
		-14.50	301.6	266.1	567.7	340.3	-71.0	269.4
		-15.00	272.7	304.3	577.1	346.0	-71.0	275.0
		-15.50	247.2	343.9	591.1	354.4	-71.0	283.4
		-16.00	237.3	370.3	607.6	364.3	-71.0	293.3
		-16.50	320.1	394.1	714.2	428.2	-71.0	357.2
		-17.00	367.5	428.2	795.7	477.0	-71.0	406.1
		-17.50	432.8	470.5	903.3	541.6	-71.0	470.6
		-18.00	386.1	520.0	906.0	543.2	-71.0	472.2
		-18.50	315.5	569.4	884.9	530.5	-71.0	459.6
		-19.00	322.0	604.1	926.2	555.3	-71.0	484.3
		-19.50	303.4	641.1	944.4	566.2	-71.0	495.3
		-20.00	404.0	675.0	1078.9	646.8	-71.0	575.9
		-20.50	370.9	714.5	1085.4	650.7	-71.0	579.8
		-21.00	646.4	757.8	1404.2	841.9	-71.0	770.9
		-21.50	622.6	807.3	1429.9	857.3	-71.0	786.3
		-22.00	698.0	856.8	1554.8	932.1	-71.0	861.2
		-22.50	726.0	906.3	1632.3	978.6	-71.0	907.7
2	-4.31	-12.50	395.0	67.9	462.9	277.5	-71.8	205.7
		-13.00	335.1	112.5	447.7	268.4	-71.8	196.6
		-13.50	298.9	157.3	456.2	273.5	-71.8	201.7
		-14.00	281.8	198.9	480.7	288.2	-71.8	216.3
		-14.50	276.2	230.8	507.0	304.0	-71.8	232.1
		-15.00	285.3	259.1	544.4	326.4	-71.8	254.5
		-15.50	292.9	292.2	585.1	350.8	-71.8	279.0
		-16.00	283.9	325.7	609.6	365.5	-71.8	293.6
		-16.50	271.3	360.7	632.0	378.9	-71.8	307.1
		-17.00	268.8	388.7	657.5	394.2	-71.8	322.4
		-17.50	359.3	416.9	776.2	465.4	-71.8	393.5
		-18.00	330.0	456.3	786.2	471.4	-71.8	399.5
		-18.50	387.8	492.3	880.1	527.6	-71.8	455.8
		-19.00	385.3	531.9	917.2	549.9	-71.8	478.0
		-19.50	382.4	569.7	952.1	570.8	-71.8	499.0
		-20.00	357.0	609.3	966.3	579.3	-71.8	507.5
		-20.50	354.6	647.2	1001.8	600.6	-71.8	528.8
		-21.00	668.3	687.3	1355.7	812.8	-71.8	740.9
		-21.50	718.0	736.8	1454.8	872.2	-71.8	800.3
		-22.00	681.4	786.3	1467.7	879.9	-71.8	808.1
		-22.50	668.4	835.8	1504.2	901.8	-71.8	830.0
3	-4.03	-12.50	466.0	81.8	547.8	328.4	-82.3	246.1
		-13.00	399.9	131.3	531.2	318.4	-82.3	236.1
		-13.50	319.2	180.7	499.9	299.7	-82.3	217.3
		-14.00	291.0	227.4	518.5	310.8	-82.3	228.5
		-14.50	271.8	265.6	537.5	322.2	-82.3	239.9
		-15.00	268.4	295.1	563.5	337.8	-82.3	255.5
		-15.50	265.0	322.5	587.4	352.2	-82.3	269.8
		-16.00	274.2	348.8	623.0	373.5	-82.3	291.1
		-16.50	259.3	379.9	639.2	383.2	-82.3	300.9
		-17.00	290.5	405.7	696.2	417.4	-82.3	335.0
		-17.50	442.6	438.9	881.6	528.5	-82.3	446.2
		-18.00	357.9	484.9	842.8	505.3	-82.3	422.9
		-18.50	307.4	532.0	839.4	503.2	-82.3	420.9
		-19.00	249.0	576.5	825.5	494.9	-82.3	412.6
		-19.50	246.2	605.7	851.9	510.7	-82.3	428.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	221.7	636.1	857.8	514.3	-82.3	431.9
		-20.50	449.6	658.3	1107.9	664.2	-82.3	581.9
		-21.00	683.6	706.1	1389.7	833.1	-82.3	750.8
		-21.50	651.9	755.6	1407.4	843.8	-82.3	761.4
		-22.00	624.6	805.1	1429.6	857.1	-82.3	774.7
		-22.50	595.7	854.5	1450.2	869.4	-82.3	787.1
4	-4.21	-12.50	414.5	75.7	490.2	293.9	-71.9	222.0
		-13.00	401.4	120.2	521.6	312.7	-71.9	240.8
		-13.50	399.4	164.7	564.1	338.2	-71.9	266.3
		-14.00	429.4	207.6	637.0	381.9	-71.9	310.0
		-14.50	414.0	251.2	665.1	398.8	-71.9	326.9
		-15.00	413.4	294.7	708.2	424.6	-71.9	352.7
		-15.50	398.4	338.2	736.6	441.6	-71.9	369.7
		-16.00	503.5	384.1	887.7	532.2	-71.9	460.3
		-16.50	423.0	433.6	856.6	513.6	-71.9	441.7
		-17.00	359.8	478.8	838.5	502.7	-71.9	430.8
		-17.50	344.9	517.7	862.6	517.2	-71.9	445.3
		-18.00	277.1	558.5	835.6	501.0	-71.9	429.1
		-18.50	245.6	591.6	837.2	501.9	-71.9	430.0
		-19.00	364.2	618.7	982.8	589.2	-71.9	517.3
		-19.50	399.5	656.7	1056.1	633.2	-71.9	561.3
		-20.00	431.7	696.0	1127.7	676.1	-71.9	604.2
		-20.50	634.5	742.4	1376.9	825.5	-71.9	753.6
		-21.00	636.5	791.8	1428.4	856.3	-71.9	784.5
		-21.50	586.2	841.3	1427.5	855.8	-71.9	783.9
		-22.00	521.7	890.8	1412.5	846.8	-71.9	774.9
		-22.50	524.0	940.3	1464.3	877.9	-71.9	806.0
5	-4.10	-12.50	463.8	82.3	546.1	327.4	-77.8	249.6
		-13.00	412.2	131.7	544.0	326.1	-77.8	248.3
		-13.50	331.8	181.2	513.0	307.6	-77.8	229.8
		-14.00	293.6	230.7	524.3	314.3	-77.8	236.6
		-14.50	259.5	275.6	535.1	320.8	-77.8	243.0
		-15.00	256.4	302.7	559.1	335.2	-77.8	257.4
		-15.50	339.4	330.3	669.7	401.5	-77.8	323.7
		-16.00	327.7	369.6	697.2	418.0	-77.8	340.2
		-16.50	289.5	407.6	697.0	417.9	-77.8	340.1
		-17.00	334.0	438.6	772.7	463.2	-77.8	385.5
		-17.50	299.8	477.0	776.8	465.7	-77.8	388.0
		-18.00	272.0	516.5	788.6	472.8	-77.8	395.0
		-18.50	264.3	547.4	811.7	486.6	-77.8	408.9
		-19.00	264.2	573.7	837.9	502.3	-77.8	424.6
		-19.50	275.3	599.9	875.2	524.7	-77.8	446.9
		-20.00	377.4	628.2	1005.5	602.8	-77.8	525.1
		-20.50	488.6	671.1	1159.7	695.2	-77.8	617.5
		-21.00	850.8	720.6	1571.4	942.1	-77.8	864.3
		-21.50	828.8	770.1	1598.9	958.6	-77.8	880.8
		-22.00	739.4	819.5	1558.9	934.6	-77.8	856.9
		-22.50	726.6	869.0	1595.6	956.6	-77.8	878.8
6	-4.28	-12.50	461.0	74.2	535.2	320.9	-71.0	249.9
		-13.00	415.7	122.4	538.1	322.6	-71.0	251.7
		-13.50	319.0	170.5	489.6	293.5	-71.0	222.6
		-14.00	302.1	217.7	519.8	311.6	-71.0	240.7
		-14.50	270.2	258.5	528.7	316.9	-71.0	246.0
		-15.00	289.7	286.4	576.1	345.4	-71.0	274.4
		-15.50	340.5	319.9	660.4	395.9	-71.0	324.9
		-16.00	304.3	359.5	663.7	397.9	-71.0	327.0
		-16.50	293.8	398.2	692.0	414.9	-71.0	343.9
		-17.00	270.8	433.2	703.9	422.0	-71.0	351.1
		-17.50	322.5	461.5	784.0	470.0	-71.0	399.1
		-18.00	348.0	498.0	846.0	507.2	-71.0	436.2
		-18.50	383.2	534.8	918.0	550.3	-71.0	479.4
		-19.00	427.2	577.6	1004.8	602.4	-71.0	531.5
		-19.50	426.0	622.8	1048.8	628.8	-71.0	557.8
		-20.00	711.6	666.8	1378.4	826.4	-71.0	755.4
		-20.50	695.0	716.2	1411.2	846.1	-71.0	775.1
		-21.00	721.8	765.7	1487.5	891.8	-71.0	820.9
		-21.50	689.3	815.2	1504.5	902.0	-71.0	831.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	679.4	864.7	1544.1	925.7	-71.0	854.7
		-22.50	620.4	914.2	1534.5	920.0	-71.0	849.0
7	-4.33	-12.50	455.6	78.4	534.0	320.2	-66.7	253.4
		-13.00	454.5	126.1	580.6	348.1	-66.7	281.3
		-13.50	429.8	173.8	603.6	361.9	-66.7	295.1
		-14.00	370.2	221.1	591.3	354.5	-66.7	287.8
		-14.50	336.5	269.5	606.0	363.3	-66.7	296.6
		-15.00	310.5	313.6	624.2	374.2	-66.7	307.5
		-15.50	318.8	346.1	664.9	398.6	-66.7	331.9
		-16.00	304.1	381.9	686.1	411.3	-66.7	344.6
		-16.50	240.0	420.7	660.7	396.1	-66.7	329.4
		-17.00	249.2	444.1	693.2	415.6	-66.7	348.9
		-17.50	222.1	474.1	696.2	417.4	-66.7	350.7
		-18.00	256.5	501.7	758.2	454.5	-66.7	387.8
		-18.50	239.3	536.8	776.1	465.3	-66.7	398.6
		-19.00	234.2	563.5	797.7	478.3	-66.7	411.5
		-19.50	418.1	594.5	1012.7	607.1	-66.7	540.4
		-20.00	381.3	636.6	1017.9	610.2	-66.7	543.5
		-20.50	323.6	678.5	1002.1	600.8	-66.7	534.0
		-21.00	557.0	713.3	1270.3	761.6	-66.7	694.8
		-21.50	660.3	761.8	1422.2	852.6	-66.7	785.9
		-22.00	747.9	811.3	1559.2	934.7	-66.7	868.0
8	-4.35	-12.50	393.8	74.7	468.6	280.9	-66.3	214.6
		-13.00	350.5	118.9	469.4	281.4	-66.3	215.1
		-13.50	294.2	163.9	458.1	274.6	-66.3	208.3
		-14.00	253.8	205.1	458.9	275.1	-66.3	208.8
		-14.50	229.6	237.3	466.9	279.9	-66.3	213.6
		-15.00	221.4	264.5	485.9	291.3	-66.3	224.9
		-15.50	213.4	287.0	500.4	300.0	-66.3	233.7
		-16.00	235.2	307.5	542.7	325.4	-66.3	259.0
		-16.50	243.3	331.7	575.0	344.7	-66.3	278.4
		-17.00	209.9	362.8	572.7	343.3	-66.3	277.0
		-17.50	191.5	391.0	582.4	349.2	-66.3	282.8
		-18.00	183.7	411.7	595.3	356.9	-66.3	290.6
		-18.50	184.4	428.3	612.7	367.4	-66.3	301.0
		-19.00	218.5	445.5	664.1	398.1	-66.3	331.8
		-19.50	349.3	467.5	816.8	489.7	-66.3	423.3
		-20.00	507.8	510.1	1017.9	610.3	-66.3	543.9
		-20.50	626.5	559.6	1186.0	711.1	-66.3	644.7
		-21.00	719.6	609.1	1328.7	796.6	-66.3	730.2
		-21.50	721.8	658.5	1380.4	827.6	-66.3	761.2
		-22.00	662.3	708.0	1370.3	821.5	-66.3	755.2
		-22.50	824.5	757.5	1582.0	948.5	-66.3	882.1
9	-4.34	-12.50	462.9	75.4	538.3	322.7	-68.0	254.7
		-13.00	410.0	123.8	533.8	320.0	-68.0	252.0
		-13.50	322.1	172.2	494.3	296.4	-68.0	228.4
		-14.00	295.6	220.3	515.9	309.3	-68.0	241.3
		-14.50	261.8	260.8	522.6	313.3	-68.0	245.3
		-15.00	243.9	291.2	535.1	320.8	-68.0	252.8
		-15.50	225.9	319.4	545.3	326.9	-68.0	258.9
		-16.00	210.8	344.2	555.0	332.8	-68.0	264.7
		-16.50	207.5	366.0	573.4	343.8	-68.0	275.8
		-17.00	202.3	386.3	588.7	352.9	-68.0	284.9
		-17.50	209.1	406.2	615.3	368.9	-68.0	300.9
		-18.00	199.9	427.9	627.8	376.4	-68.0	308.3
		-18.50	256.0	446.1	702.2	421.0	-68.0	352.9
		-19.00	265.3	473.9	739.2	443.2	-68.0	375.1
		-19.50	518.9	511.8	1030.6	617.9	-68.0	549.9
		-20.00	486.2	561.2	1047.4	628.0	-68.0	559.9
		-20.50	452.6	610.7	1063.3	637.5	-68.0	569.4
		-21.00	637.9	659.7	1297.6	778.0	-68.0	709.9
		-21.50	739.6	709.2	1448.8	868.6	-68.0	800.6
		-22.00	726.7	758.7	1485.4	890.5	-68.0	822.5
		-22.50	675.9	808.2	1484.1	889.7	-68.0	821.7
10	-4.05	-12.50	390.0	69.1	459.2	275.3	-82.6	192.7
		-13.00	374.3	113.8	488.1	292.6	-82.6	210.0
		-13.50	355.6	158.3	513.9	308.1	-82.6	225.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	361.5	196.7	558.2	334.7	-82.6	252.0
		-14.50	370.2	235.3	605.5	363.0	-82.6	280.4
		-15.00	295.5	273.9	569.4	341.4	-82.6	258.8
		-15.50	280.9	313.3	594.2	356.2	-82.6	273.6
		-16.00	251.6	349.6	601.2	360.4	-82.6	277.8
		-16.50	302.6	375.5	678.2	406.6	-82.6	324.0
		-17.00	278.6	413.3	692.0	414.8	-82.6	332.2
		-17.50	291.3	441.7	733.0	439.5	-82.6	356.9
		-18.00	440.3	477.2	917.5	550.0	-82.6	467.4
		-18.50	341.4	519.7	861.1	516.3	-82.6	433.6
		-19.00	274.9	559.2	834.0	500.0	-82.6	417.4
		-19.50	326.4	586.8	913.2	547.5	-82.6	464.8
		-20.00	367.8	622.0	989.8	593.4	-82.6	510.8
		-20.50	395.5	661.0	1056.6	633.4	-82.6	550.8
		-21.00	488.0	700.5	1188.5	712.5	-82.6	629.9
		-21.50	717.7	749.0	1466.8	879.3	-82.6	796.7
		-22.00	837.8	798.5	1636.3	981.0	-82.6	898.4
		-22.50	742.1	848.0	1590.1	953.3	-82.6	870.7
11	-4.07	-12.50	393.2	58.0	451.2	270.5	-78.3	192.2
		-13.00	334.0	99.8	433.7	260.0	-78.3	181.7
		-13.50	269.0	141.9	410.9	246.3	-78.3	168.0
		-14.00	254.1	181.1	435.2	260.9	-78.3	182.6
		-14.50	232.3	214.4	446.7	267.8	-78.3	189.5
		-15.00	245.8	236.6	482.4	289.2	-78.3	210.9
		-15.50	506.4	265.4	771.9	462.7	-78.3	384.4
		-16.00	433.8	312.9	746.7	447.7	-78.3	369.3
		-16.50	391.1	360.4	751.5	450.5	-78.3	372.2
		-17.00	358.8	404.1	762.9	457.3	-78.3	379.0
		-17.50	310.5	443.5	754.0	452.0	-78.3	373.7
		-18.00	276.6	483.1	759.7	455.5	-78.3	377.2
		-18.50	258.0	516.8	774.8	464.5	-78.3	386.2
		-19.00	283.7	543.0	826.7	495.6	-78.3	417.3
		-19.50	374.9	573.1	948.0	568.4	-78.3	490.0
		-20.00	841.0	616.5	1457.5	873.8	-78.3	795.5
		-20.50	892.3	666.0	1558.3	934.2	-78.3	855.9
		-21.00	842.0	715.5	1557.5	933.7	-78.3	855.4
		-21.50	728.2	765.0	1493.2	895.2	-78.3	816.9
		-22.00	670.7	814.5	1485.2	890.4	-78.3	812.1
		-22.50	634.2	863.9	1498.2	898.2	-78.3	819.9
12	-4.04	-12.50	478.6	72.2	550.8	330.2	-80.1	250.1
		-13.00	425.1	121.7	546.8	327.8	-80.1	247.7
		-13.50	372.3	171.1	543.5	325.8	-80.1	245.7
		-14.00	357.8	218.4	576.2	345.4	-80.1	265.3
		-14.50	351.4	256.4	607.8	364.4	-80.1	284.2
		-15.00	401.4	294.4	695.9	417.2	-80.1	337.0
		-15.50	349.6	334.0	683.6	409.9	-80.1	329.7
		-16.00	315.0	372.5	687.4	412.1	-80.1	332.0
		-16.50	304.7	411.8	716.5	429.6	-80.1	349.4
		-17.00	281.8	448.3	730.1	437.7	-80.1	357.6
		-17.50	287.7	477.2	764.9	458.6	-80.1	378.4
		-18.00	258.9	513.0	771.9	462.8	-80.1	382.6
		-18.50	335.1	541.7	876.8	525.7	-80.1	445.6
		-19.00	351.0	578.2	929.2	557.1	-80.1	476.9
		-19.50	388.4	615.8	1004.2	602.1	-80.1	521.9
		-20.00	405.3	655.6	1060.8	636.0	-80.1	555.9
		-20.50	394.9	696.9	1091.7	654.5	-80.1	574.4
		-21.00	416.1	738.2	1154.2	692.0	-80.1	611.8
		-21.50	417.6	779.5	1197.1	717.7	-80.1	637.5
		-22.00	589.5	825.7	1415.1	848.4	-80.1	768.3
		-22.50	569.8	875.1	1444.9	866.2	-80.1	786.1
13	-4.03	-12.50	375.9	76.5	452.4	271.2	-81.2	190.0
		-13.00	305.1	121.8	426.9	255.9	-81.2	174.7
		-13.50	287.2	166.8	454.0	272.2	-81.2	190.9
		-14.00	277.1	203.4	480.4	288.0	-81.2	206.8
		-14.50	308.5	234.3	542.8	325.4	-81.2	244.2
		-15.00	297.6	268.5	566.1	339.4	-81.2	258.1
		-15.50	386.4	301.9	688.3	412.7	-81.2	331.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	384.4	341.6	726.0	435.2	-81.2	354.0
		-16.50	357.9	381.1	739.0	443.1	-81.2	361.8
		-17.00	365.4	419.4	784.8	470.5	-81.2	389.3
		-17.50	345.1	459.0	804.1	482.1	-81.2	400.9
		-18.00	336.8	497.0	833.8	499.9	-81.2	418.6
		-18.50	371.4	532.0	903.4	541.6	-81.2	460.4
		-19.00	447.3	571.6	1018.9	610.8	-81.2	529.6
		-19.50	429.7	615.3	1044.9	626.4	-81.2	545.2
		-20.00	427.4	659.1	1086.5	651.4	-81.2	570.2
		-20.50	455.5	703.3	1158.9	694.8	-81.2	613.5
		-21.00	445.0	747.5	1192.6	715.0	-81.2	633.7
		-21.50	576.4	792.6	1369.0	820.7	-81.2	739.5
		-22.00	842.6	842.1	1684.7	1010.0	-81.2	928.7
		-22.50	819.3	891.6	1710.9	1025.7	-81.2	944.5
14	-4.04	-12.50	369.0	83.2	452.1	271.1	-80.8	190.2
		-13.00	348.8	132.6	481.4	288.6	-80.8	207.8
		-13.50	302.1	182.1	484.2	290.3	-80.8	209.5
		-14.00	305.0	218.8	523.8	314.0	-80.8	233.2
		-14.50	273.5	256.4	529.9	317.7	-80.8	236.8
		-15.00	313.3	288.7	602.0	360.9	-80.8	280.1
		-15.50	449.3	324.2	773.6	463.8	-80.8	382.9
		-16.00	416.5	369.1	785.6	471.0	-80.8	390.1
		-16.50	345.7	414.0	759.7	455.4	-80.8	374.6
		-17.00	370.7	450.8	821.5	492.5	-80.8	411.7
		-17.50	367.4	490.1	857.5	514.1	-80.8	433.2
		-18.00	363.2	529.0	892.2	534.9	-80.8	454.1
		-18.50	480.8	567.7	1048.4	628.6	-80.8	547.7
		-19.00	247.7	617.2	864.8	518.5	-80.8	437.6
		-19.50	221.2	666.6	887.8	532.3	-80.8	451.4
		-20.00	130.4	712.3	842.7	505.2	-80.8	424.3
		-20.50	266.6	739.0	1005.6	602.9	-80.8	522.0
		-21.00	287.2	773.1	1060.3	635.7	-80.8	554.8
		-21.50	263.3	812.6	1075.8	645.0	-80.8	564.1
		-22.00	254.7	844.5	1099.2	659.0	-80.8	578.1
		-22.50	685.4	880.9	1566.3	939.0	-80.8	858.2
15	-3.79	-12.50	408.4	114.1	522.4	313.2	-84.9	228.3
		-13.00	359.3	162.0	521.3	312.5	-84.9	227.6
		-13.50	363.7	204.2	567.9	340.5	-84.9	255.5
		-14.00	323.8	243.3	567.1	340.0	-84.9	255.1
		-14.50	368.6	279.8	648.4	388.7	-84.9	303.8
		-15.00	341.6	319.2	660.8	396.2	-84.9	311.2
		-15.50	338.2	357.6	695.8	417.1	-84.9	332.2
		-16.00	486.0	399.1	885.1	530.6	-84.9	445.7
		-16.50	533.8	448.6	982.4	589.0	-84.9	504.0
		-17.00	456.6	498.1	954.7	572.3	-84.9	487.4
		-17.50	380.8	547.6	928.4	556.6	-84.9	471.7
		-18.00	354.9	597.0	952.0	570.7	-84.9	485.8
		-18.50	296.3	642.0	938.3	562.5	-84.9	477.6
		-19.00	353.7	675.2	1028.9	616.8	-84.9	531.9
		-19.50	337.7	714.8	1052.5	631.0	-84.9	546.1
		-20.00	336.0	751.2	1087.2	651.8	-84.9	566.8
		-20.50	310.1	785.1	1095.2	656.6	-84.9	571.6
		-21.00	297.6	823.5	1121.1	672.1	-84.9	587.1
		-21.50	244.1	858.2	1102.3	660.8	-84.9	575.9
		-22.00	601.3	883.9	1485.2	890.4	-84.9	805.5
		-22.50	721.0	933.3	1654.3	991.8	-84.9	906.8
16	-3.91	-12.50	381.2	90.0	471.2	282.5	-79.8	202.6
		-13.00	303.4	134.8	438.2	262.7	-79.8	182.9
		-13.50	290.7	176.0	466.7	279.8	-79.8	200.0
		-14.00	282.5	213.0	495.5	297.0	-79.8	217.2
		-14.50	286.7	243.0	529.7	317.6	-79.8	237.7
		-15.00	287.4	273.4	560.8	336.2	-79.8	256.4
		-15.50	425.5	308.0	733.5	439.7	-79.8	359.9
		-16.00	460.0	354.6	814.6	488.4	-79.8	408.5
		-16.50	404.2	402.5	806.8	483.7	-79.8	403.9
		-17.00	326.3	450.5	776.8	465.7	-79.8	385.9
		-17.50	290.5	497.4	787.9	472.4	-79.8	392.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	306.9	527.5	834.4	500.2	-79.8	420.4
		-18.50	499.0	561.9	1060.9	636.0	-79.8	556.2
		-19.00	444.8	610.6	1055.4	632.7	-79.8	552.9
		-19.50	440.4	660.1	1100.5	659.8	-79.8	579.9
		-20.00	402.7	709.0	1111.7	666.5	-79.8	586.6
		-20.50	393.3	748.6	1141.9	684.6	-79.8	604.7
		-21.00	375.0	788.1	1163.1	697.3	-79.8	617.5
		-21.50	933.0	832.6	1765.6	1058.5	-79.8	978.7
		-22.00	734.4	882.1	1616.5	969.1	-79.8	889.3
		-22.50	482.0	931.5	1413.6	847.5	-79.8	767.6
17	-4.01	-12.50	409.0	89.8	498.7	299.0	-77.7	221.3
		-13.00	370.0	137.9	507.9	304.5	-77.7	226.8
		-13.50	327.6	186.0	513.7	307.9	-77.7	230.3
		-14.00	315.2	228.2	543.4	325.8	-77.7	248.1
		-14.50	304.3	265.0	569.2	341.3	-77.7	263.6
		-15.00	348.3	299.3	647.5	388.2	-77.7	310.5
		-15.50	426.6	335.6	762.1	456.9	-77.7	379.2
		-16.00	447.3	380.7	828.0	496.4	-77.7	418.7
		-16.50	432.7	426.1	858.8	514.9	-77.7	437.2
		-17.00	459.9	473.9	933.8	559.8	-77.7	482.2
		-17.50	453.4	523.3	976.8	585.6	-77.7	507.9
		-18.00	435.1	571.7	1006.8	603.6	-77.7	525.9
		-18.50	528.4	617.6	1146.0	687.1	-77.7	609.4
		-19.00	464.8	664.2	1129.0	676.9	-77.7	599.2
		-19.50	520.5	710.7	1231.3	738.2	-77.7	660.5
		-20.00	500.8	757.2	1258.1	754.2	-77.7	676.6
		-20.50	500.6	802.9	1303.5	781.5	-77.7	703.8
		-21.00	723.3	851.4	1574.7	944.0	-77.7	866.4
		-21.50	877.1	900.8	1778.0	1065.9	-77.7	988.3
		-22.00	880.8	950.3	1831.1	1097.8	-77.7	1020.1
		-22.50	991.0	999.8	1990.8	1193.5	-77.7	1115.8
18	-4.40	-12.50	402.3	72.7	475.1	284.8	-64.7	220.1
		-13.00	337.4	120.5	457.9	274.5	-64.7	209.9
		-13.50	324.3	168.7	493.1	295.6	-64.7	230.9
		-14.00	295.6	212.5	508.1	304.6	-64.7	240.0
		-14.50	256.4	243.8	500.2	299.9	-64.7	235.2
		-15.00	234.0	279.7	513.6	307.9	-64.7	243.3
		-15.50	216.4	310.1	526.5	315.6	-64.7	251.0
		-16.00	219.9	331.2	551.1	330.4	-64.7	265.7
		-16.50	277.0	353.4	630.5	378.0	-64.7	313.3
		-17.00	428.9	384.5	813.4	487.7	-64.7	423.0
		-17.50	557.8	430.9	988.7	592.8	-64.7	528.1
		-18.00	455.9	480.4	936.3	561.3	-64.7	496.7
		-18.50	367.1	529.9	897.0	537.8	-64.7	473.1
		-19.00	306.6	573.8	880.4	527.8	-64.7	463.1
		-19.50	397.0	608.6	1005.6	602.9	-64.7	538.2
		-20.00	343.0	648.4	991.4	594.3	-64.7	529.7
		-20.50	402.8	685.1	1087.9	652.2	-64.7	587.5
		-21.00	510.3	727.5	1237.9	742.1	-64.7	677.5
		-21.50	489.4	777.0	1266.5	759.3	-64.7	694.6
		-22.00	461.4	826.5	1287.9	772.1	-64.7	707.5
		-22.50	740.5	876.0	1616.5	969.1	-64.7	904.5
19	-4.20	-12.50	378.6	99.0	477.6	286.3	-70.4	215.9
		-13.00	349.4	146.9	496.4	297.6	-70.4	227.2
		-13.50	329.6	189.4	519.1	311.2	-70.4	240.8
		-14.00	332.4	226.2	558.5	334.9	-70.4	264.4
		-14.50	312.1	265.8	577.9	346.5	-70.4	276.0
		-15.00	311.3	301.7	613.0	367.5	-70.4	297.1
		-15.50	320.0	337.2	657.2	394.0	-70.4	323.6
		-16.00	294.0	374.2	668.2	400.6	-70.4	330.2
		-16.50	284.8	409.4	694.3	416.2	-70.4	345.8
		-17.00	280.6	441.1	721.7	432.7	-70.4	362.2
		-17.50	713.8	475.0	1188.8	712.7	-70.4	642.3
		-18.00	732.5	524.5	1256.9	753.6	-70.4	683.1
		-18.50	589.7	573.9	1163.6	697.6	-70.4	627.2
		-19.00	478.6	623.4	1102.0	660.7	-70.4	590.2
		-19.50	346.9	671.7	1018.5	610.6	-70.4	540.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.00	440.0	709.9	1149.9	689.4	-70.4	619.0
		-20.50	366.4	749.5	1115.9	669.0	-70.4	598.6
		-21.00	558.4	793.5	1351.9	810.5	-70.4	740.1
		-21.50	536.7	843.0	1379.7	827.2	-70.4	756.7
		-22.00	741.9	892.5	1634.4	979.9	-70.4	909.4
		-22.50	679.5	942.0	1621.5	972.1	-70.4	901.7

REKENGEGEVENS 400

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 400
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 400

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL 400 (n=1)****Uitgangspunten**

- paal : 400
- paaltype : Avegaarpaal
- schachtafmeting : 400 mm
Paalklassefactor α_p : 0.56
Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	555.6	91.6	647.1	388.0	-81.1	306.9
		-13.00	491.3	148.1	639.5	383.4	-81.1	302.3
		-13.50	479.6	204.7	684.3	410.3	-81.1	329.2
		-14.00	444.2	261.2	705.4	422.9	-81.1	341.8
		-14.50	382.4	304.1	686.5	411.6	-81.1	330.5
		-15.00	358.0	347.8	705.8	423.1	-81.1	342.1
		-15.50	322.9	393.0	715.9	429.2	-81.1	348.1
		-16.00	310.3	423.2	733.5	439.8	-81.1	358.7
		-16.50	421.9	450.4	872.3	522.9	-81.1	441.8
		-17.00	485.2	489.4	974.6	584.3	-81.1	503.2
		-17.50	543.6	537.7	1081.3	648.2	-81.1	567.1
		-18.00	489.3	594.2	1083.5	649.6	-81.1	568.5
		-18.50	412.0	650.8	1062.8	637.2	-81.1	556.1
		-19.00	420.6	690.4	1111.1	666.1	-81.1	585.0
		-19.50	395.8	732.6	1128.4	676.5	-81.1	595.4
		-20.00	527.6	771.4	1299.0	778.8	-81.1	697.7
		-20.50	488.3	816.6	1304.9	782.3	-81.1	701.2
		-21.00	844.2	866.1	1710.3	1025.4	-81.1	944.3
		-21.50	814.4	922.7	1737.0	1041.4	-81.1	960.3
		-22.00	911.7	979.2	1890.9	1133.6	-81.1	1052.5
		-22.50	969.7	1035.8	2005.5	1202.3	-81.1	1121.2
2	-4.31	-12.50	466.0	77.7	543.6	325.9	-82.1	243.8
		-13.00	421.7	128.6	550.3	329.9	-82.1	247.8
		-13.50	377.7	179.8	557.5	334.2	-82.1	252.1
		-14.00	362.8	227.3	590.0	353.7	-82.1	271.6
		-14.50	360.3	263.8	624.1	374.2	-82.1	292.1
		-15.00	384.5	296.1	680.5	408.0	-82.1	325.9
		-15.50	376.4	334.0	710.4	425.9	-82.1	343.8
		-16.00	371.0	372.2	743.2	445.6	-82.1	363.5
		-16.50	354.4	412.3	766.6	459.6	-82.1	377.5
		-17.00	353.0	444.2	797.2	478.0	-82.1	395.9
		-17.50	469.3	476.4	945.8	567.0	-82.1	484.9
		-18.00	431.0	521.5	952.4	571.0	-82.1	488.9
		-18.50	506.5	562.6	1069.1	641.0	-82.1	558.9
		-19.00	503.3	607.9	1111.1	666.1	-82.1	584.0
		-19.50	499.0	651.1	1150.1	689.5	-82.1	607.4
		-20.00	480.6	696.3	1176.9	705.6	-82.1	623.5
		-20.50	463.1	739.7	1202.8	721.1	-82.1	639.0
		-21.00	890.0	785.5	1675.5	1004.5	-82.1	922.4
		-21.50	924.8	842.1	1766.8	1059.3	-82.1	977.2
		-22.00	890.0	898.6	1788.7	1072.3	-82.1	990.2
		-22.50	873.1	955.2	1828.2	1096.1	-82.1	1014.0
3	-4.03	-12.50	577.5	93.5	670.9	402.2	-94.1	308.1
		-13.00	485.8	150.0	635.8	381.2	-94.1	287.1
		-13.50	402.2	206.6	608.8	365.0	-94.1	270.9
		-14.00	371.4	259.9	631.3	378.5	-94.1	284.4
		-14.50	354.9	303.6	658.5	394.8	-94.1	300.7
		-15.00	353.0	337.3	690.3	413.9	-94.1	319.7
		-15.50	346.1	368.6	714.6	428.4	-94.1	334.3
		-16.00	358.1	398.6	756.7	453.7	-94.1	359.5
		-16.50	339.4	434.1	773.6	463.8	-94.1	369.7
		-17.00	385.8	463.6	849.4	509.2	-94.1	415.1
		-17.50	524.9	501.6	1026.5	615.4	-94.1	521.3
		-18.00	461.8	554.1	1015.9	609.1	-94.1	514.9
		-18.50	378.3	608.0	986.3	591.3	-94.1	497.2
		-19.00	325.6	658.9	984.5	590.2	-94.1	496.1
		-19.50	321.6	692.2	1013.8	607.8	-94.1	513.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	289.4	727.0	1016.4	609.4	-94.1	515.2
		-20.50	587.2	752.3	1339.6	803.1	-94.1	709.0
		-21.00	864.9	807.0	1671.9	1002.3	-94.1	908.2
		-21.50	851.4	863.5	1714.9	1028.1	-94.1	934.0
		-22.00	815.7	920.1	1735.8	1040.7	-94.1	946.5
		-22.50	797.9	976.6	1774.5	1063.9	-94.1	969.8
4	-4.21	-12.50	540.4	86.5	626.9	375.9	-82.2	293.7
		-13.00	518.8	137.4	656.2	393.4	-82.2	311.2
		-13.50	518.8	188.2	707.0	423.9	-82.2	341.7
		-14.00	541.6	237.3	778.9	467.0	-82.2	384.8
		-14.50	540.7	287.0	827.7	496.3	-82.2	414.1
		-15.00	540.0	336.8	876.8	525.7	-82.2	443.5
		-15.50	529.7	386.6	916.2	549.3	-82.2	467.1
		-16.00	664.1	439.0	1103.1	661.3	-82.2	579.2
		-16.50	552.5	495.6	1048.1	628.3	-82.2	546.2
		-17.00	469.2	547.2	1016.4	609.3	-82.2	527.2
		-17.50	453.2	591.7	1044.8	626.4	-82.2	544.2
		-18.00	361.9	638.3	1000.2	599.6	-82.2	517.5
		-18.50	322.3	676.1	998.4	598.6	-82.2	516.4
		-19.00	475.7	707.0	1182.7	709.0	-82.2	626.9
		-19.50	521.8	750.5	1272.2	762.7	-82.2	680.6
		-20.00	607.5	795.4	1402.9	841.1	-82.2	758.9
		-20.50	835.8	848.4	1684.2	1009.7	-82.2	927.6
		-21.00	807.2	905.0	1712.2	1026.5	-82.2	944.3
		-21.50	771.2	961.5	1732.7	1038.8	-82.2	956.7
		-22.00	681.4	1018.1	1699.4	1018.8	-82.2	936.7
		-22.50	698.4	1074.6	1773.0	1063.0	-82.2	980.8
5	-4.10	-12.50	601.7	94.0	695.7	417.1	-88.9	328.2
		-13.00	478.1	150.6	628.6	376.9	-88.9	288.0
		-13.50	411.1	207.1	618.2	370.6	-88.9	281.8
		-14.00	379.6	263.7	643.3	385.7	-88.9	296.8
		-14.50	338.9	315.0	653.9	392.0	-88.9	303.1
		-15.00	334.9	345.9	680.8	408.2	-88.9	319.3
		-15.50	443.3	377.4	820.7	492.1	-88.9	403.2
		-16.00	428.0	422.4	850.3	509.8	-88.9	420.9
		-16.50	378.4	465.8	844.2	506.1	-88.9	417.2
		-17.00	423.7	501.3	925.0	554.5	-88.9	465.7
		-17.50	384.3	545.2	929.4	557.2	-88.9	468.3
		-18.00	355.6	590.3	945.9	567.1	-88.9	478.2
		-18.50	345.2	625.6	970.8	582.0	-88.9	493.2
		-19.00	345.6	655.6	1001.3	600.3	-88.9	511.4
		-19.50	359.8	685.6	1045.3	626.7	-88.9	537.8
		-20.00	494.3	717.9	1212.2	726.7	-88.9	637.9
		-20.50	660.0	767.0	1426.9	855.5	-88.9	766.6
		-21.00	1111.2	823.5	1934.7	1159.9	-88.9	1071.0
		-21.50	1021.2	880.1	1901.3	1139.8	-88.9	1051.0
		-22.00	967.4	936.6	1904.0	1141.5	-88.9	1052.6
		-22.50	949.0	993.2	1942.1	1164.3	-88.9	1075.5
6	-4.28	-12.50	552.9	84.8	637.7	382.3	-81.1	301.2
		-13.00	476.5	139.9	616.4	369.5	-81.1	288.4
		-13.50	401.4	194.9	596.3	357.5	-81.1	276.4
		-14.00	389.2	248.8	638.0	382.5	-81.1	301.4
		-14.50	352.8	295.4	648.2	388.6	-81.1	307.5
		-15.00	384.2	327.3	711.4	426.5	-81.1	345.4
		-15.50	421.5	365.6	787.0	471.8	-81.1	390.8
		-16.00	398.5	410.8	809.3	485.2	-81.1	404.1
		-16.50	383.7	455.1	838.8	502.9	-81.1	421.8
		-17.00	353.8	495.0	848.8	508.9	-81.1	427.8
		-17.50	422.4	527.4	949.8	569.4	-81.1	488.3
		-18.00	454.5	569.1	1023.6	613.7	-81.1	532.6
		-18.50	506.4	611.2	1117.6	670.0	-81.1	588.9
		-19.00	558.0	660.1	1218.1	730.3	-81.1	649.2
		-19.50	556.4	711.8	1268.2	760.3	-81.1	679.2
		-20.00	929.5	762.0	1691.5	1014.1	-81.1	933.0
		-20.50	907.8	818.6	1726.3	1035.0	-81.1	953.9
		-21.00	939.9	875.1	1815.0	1088.1	-81.1	1007.0
		-21.50	900.3	931.7	1832.0	1098.3	-81.1	1017.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	887.4	988.2	1875.6	1124.4	-81.1	1043.4
		-22.50	810.3	1044.8	1855.0	1112.1	-81.1	1031.0
7	-4.33	-12.50	590.7	89.6	680.4	407.9	-76.3	331.6
		-13.00	588.0	144.1	732.2	438.9	-76.3	362.7
		-13.50	522.3	198.6	720.9	432.2	-76.3	355.9
		-14.00	471.1	252.7	723.8	433.9	-76.3	357.7
		-14.50	439.6	308.0	747.5	448.2	-76.3	371.9
		-15.00	405.6	358.4	764.0	458.0	-76.3	381.8
		-15.50	416.5	395.5	812.0	486.8	-76.3	410.5
		-16.00	369.3	436.5	805.8	483.1	-76.3	406.8
		-16.50	313.5	480.8	794.3	476.2	-76.3	399.9
		-17.00	325.5	507.5	833.0	499.4	-76.3	423.1
		-17.50	294.1	541.8	835.9	501.1	-76.3	424.8
		-18.00	335.0	573.3	908.3	544.6	-76.3	468.3
		-18.50	312.6	613.5	926.1	555.2	-76.3	478.9
		-19.00	320.0	644.0	964.0	577.9	-76.3	501.6
		-19.50	541.6	679.5	1221.1	732.1	-76.3	655.8
		-20.00	498.0	727.5	1225.5	734.7	-76.3	658.5
		-20.50	422.7	775.4	1198.1	718.3	-76.3	642.0
		-21.00	767.5	815.2	1582.7	948.9	-76.3	872.6
		-21.50	866.1	870.6	1736.8	1041.2	-76.3	965.0
		-22.00	976.8	927.2	1904.0	1141.5	-76.3	1065.2
8	-4.35	-12.50	483.8	85.4	569.2	341.3	-75.8	265.4
		-13.00	430.1	135.9	566.0	339.3	-75.8	263.5
		-13.50	361.6	187.3	549.0	329.1	-75.8	253.3
		-14.00	314.0	234.4	548.4	328.8	-75.8	253.0
		-14.50	298.8	271.2	570.0	341.7	-75.8	265.9
		-15.00	289.2	302.3	591.4	354.6	-75.8	278.7
		-15.50	279.9	328.0	607.9	364.4	-75.8	288.6
		-16.00	311.4	351.5	662.9	397.4	-75.8	321.6
		-16.50	303.5	379.0	682.5	409.2	-75.8	333.4
		-17.00	266.3	414.6	680.9	408.2	-75.8	332.4
		-17.50	250.1	446.8	696.9	417.8	-75.8	342.0
		-18.00	239.9	470.5	710.4	425.9	-75.8	350.1
		-18.50	242.9	489.5	732.4	439.1	-75.8	363.3
		-19.00	286.9	509.2	796.1	477.3	-75.8	401.4
		-19.50	469.5	534.3	1003.8	601.8	-75.8	526.0
		-20.00	663.3	583.0	1246.2	747.1	-75.8	671.3
		-20.50	822.7	639.5	1462.3	876.7	-75.8	800.8
		-21.00	939.9	696.1	1636.0	980.8	-75.8	905.0
9	-4.34	-21.50	942.8	752.6	1695.4	1016.4	-75.8	940.6
		-22.00	865.0	809.2	1674.2	1003.7	-75.8	927.9
		-22.50	1058.7	865.7	1924.4	1153.7	-75.8	1077.9
		-12.50	550.1	86.2	636.2	381.4	-77.7	303.7
		-13.00	484.5	141.5	626.0	375.3	-77.7	297.6
		-13.50	409.8	196.9	606.6	363.7	-77.7	285.9
		-14.00	375.3	251.8	627.1	376.0	-77.7	298.2
10	-4.05	-14.50	331.7	298.1	629.8	377.6	-77.7	299.9
		-15.00	316.2	332.8	649.0	389.1	-77.7	311.3
		-15.50	282.7	365.1	647.7	388.3	-77.7	310.6
		-16.00	275.3	393.4	668.7	400.9	-77.7	323.2
		-16.50	271.0	418.2	689.2	413.2	-77.7	335.5
		-17.00	265.9	441.5	707.4	424.1	-77.7	346.4
		-17.50	273.1	464.2	737.3	442.0	-77.7	364.3
		-18.00	261.3	489.0	750.3	449.8	-77.7	372.1
		-18.50	331.9	509.9	841.8	504.7	-77.7	427.0
		-19.00	376.5	541.6	918.1	550.4	-77.7	472.7
		-19.50	677.1	584.9	1262.0	756.6	-77.7	678.9
		-20.00	635.0	641.4	1276.4	765.2	-77.7	687.5
		-20.50	595.6	697.9	1293.5	775.5	-77.7	697.8
		-21.00	839.6	754.0	1593.5	955.3	-77.7	877.6
		-21.50	966.0	810.5	1776.5	1065.0	-77.7	987.3
		-22.00	949.1	867.1	1816.2	1088.8	-77.7	1011.1
		-22.50	882.8	923.6	1806.4	1083.0	-77.7	1005.3
10	-4.05	-12.50	496.3	79.0	575.3	344.9	-94.4	250.5
		-13.00	483.4	130.0	613.4	367.8	-94.4	273.4
		-13.50	459.0	180.9	640.0	383.7	-94.4	289.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	469.0	224.8	693.8	415.9	-94.4	321.5
		-14.50	427.3	268.9	696.2	417.4	-94.4	323.0
		-15.00	386.8	313.0	699.9	419.6	-94.4	325.2
		-15.50	366.9	358.1	724.9	434.6	-94.4	340.2
		-16.00	328.6	399.6	728.2	436.6	-94.4	342.1
		-16.50	395.3	429.2	824.5	494.3	-94.4	399.9
		-17.00	363.9	472.4	836.3	501.4	-94.4	407.0
		-17.50	392.3	504.8	897.1	537.8	-94.4	443.4
		-18.00	550.5	545.4	1095.9	657.0	-94.4	562.6
		-18.50	451.4	593.9	1045.3	626.7	-94.4	532.3
		-19.00	359.0	639.0	998.1	598.4	-94.4	503.9
		-19.50	426.3	670.6	1096.9	657.6	-94.4	563.2
		-20.00	480.5	710.9	1191.3	714.2	-94.4	619.8
		-20.50	516.6	755.5	1272.1	762.6	-94.4	668.2
		-21.00	660.8	800.6	1461.4	876.2	-94.4	781.8
		-21.50	936.9	856.0	1792.9	1074.9	-94.4	980.5
		-22.00	1028.5	912.6	1941.0	1163.7	-94.4	1069.3
		-22.50	977.6	969.1	1946.7	1167.1	-94.4	1072.7
11	-4.07	-12.50	509.4	66.3	575.7	345.1	-89.5	255.6
		-13.00	397.5	114.0	511.5	306.7	-89.5	217.2
		-13.50	339.2	162.2	501.4	300.6	-89.5	211.1
		-14.00	326.8	207.0	533.7	320.0	-89.5	230.5
		-14.50	303.5	245.0	548.5	328.8	-89.5	239.3
		-15.00	325.2	270.5	595.6	357.1	-89.5	267.6
		-15.50	661.4	303.4	964.8	578.4	-89.5	488.9
		-16.00	561.3	357.6	918.9	550.9	-89.5	461.4
		-16.50	510.8	411.9	922.7	553.2	-89.5	463.7
		-17.00	437.4	461.8	899.2	539.1	-89.5	449.6
		-17.50	404.7	506.9	911.6	546.5	-89.5	457.0
		-18.00	361.3	552.1	913.4	547.6	-89.5	458.1
		-18.50	337.0	590.7	927.6	556.1	-89.5	466.6
		-19.00	370.5	620.6	991.1	594.2	-89.5	504.7
		-19.50	497.1	655.0	1152.1	690.7	-89.5	601.2
		-20.00	1128.9	704.6	1833.6	1099.3	-89.5	1009.7
		-20.50	1157.8	761.2	1919.0	1150.5	-89.5	1061.0
		-21.00	1054.6	817.7	1872.3	1122.5	-89.5	1033.0
		-21.50	912.9	874.3	1787.2	1071.4	-89.5	981.9
		-22.00	876.0	930.8	1806.8	1083.2	-89.5	993.7
		-22.50	828.4	987.4	1815.7	1088.6	-89.5	999.1
12	-4.04	-12.50	566.5	82.5	649.1	389.1	-91.6	297.5
		-13.00	521.4	139.0	660.4	395.9	-91.6	304.4
		-13.50	481.9	195.6	677.5	406.2	-91.6	314.6
		-14.00	460.0	249.6	709.6	425.4	-91.6	333.9
		-14.50	465.5	293.1	758.5	454.8	-91.6	363.2
		-15.00	525.7	336.5	862.2	516.9	-91.6	425.4
		-15.50	429.8	381.7	811.5	486.5	-91.6	395.0
		-16.00	412.1	425.7	837.8	502.3	-91.6	410.7
		-16.50	389.7	470.7	860.3	515.8	-91.6	424.2
		-17.00	368.0	512.3	880.4	527.8	-91.6	436.2
		-17.50	375.7	545.4	921.1	552.2	-91.6	460.7
		-18.00	338.2	586.3	924.5	554.3	-91.6	462.7
		-18.50	437.7	619.1	1056.8	633.6	-91.6	542.0
		-19.00	475.1	660.8	1135.9	681.0	-91.6	589.4
		-19.50	533.2	703.8	1237.0	741.6	-91.6	650.0
		-20.00	529.3	749.2	1278.5	766.5	-91.6	674.9
		-20.50	515.8	796.4	1312.2	786.7	-91.6	695.1
		-21.00	543.4	843.6	1387.0	831.6	-91.6	740.0
		-21.50	567.6	890.8	1458.4	874.4	-91.6	782.8
		-22.00	763.2	943.6	1706.8	1023.3	-91.6	931.7
		-22.50	744.2	1000.2	1744.3	1045.8	-91.6	954.2
13	-4.03	-12.50	469.9	87.5	557.3	334.1	-92.8	241.3
		-13.00	392.8	139.2	532.0	318.9	-92.8	226.1
		-13.50	370.1	190.7	560.8	336.2	-92.8	243.4
		-14.00	358.1	232.4	590.6	354.0	-92.8	261.2
		-14.50	402.9	267.8	670.7	402.1	-92.8	309.2
		-15.00	391.7	306.9	698.5	418.8	-92.8	325.9
		-15.50	505.2	345.0	850.3	509.8	-92.8	416.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	502.1	390.4	892.4	535.0	-92.8	442.2
		-16.50	468.9	435.5	904.4	542.2	-92.8	449.4
		-17.00	474.0	479.3	953.4	571.6	-92.8	478.7
		-17.50	450.8	524.6	975.4	584.8	-92.8	491.9
		-18.00	440.3	568.0	1008.3	604.5	-92.8	511.7
		-18.50	488.9	608.0	1096.9	657.6	-92.8	564.8
		-19.00	584.2	653.3	1237.5	741.9	-92.8	649.0
		-19.50	561.2	703.2	1264.3	758.0	-92.8	665.2
		-20.00	564.6	753.3	1317.9	790.1	-92.8	697.3
		-20.50	595.0	803.8	1398.8	838.6	-92.8	745.8
		-21.00	581.2	854.3	1435.6	860.7	-92.8	767.8
		-21.50	766.9	905.8	1672.8	1002.9	-92.8	910.0
		-22.00	1100.5	962.4	2062.9	1236.7	-92.8	1143.9
		-22.50	1067.9	1018.9	2086.8	1251.1	-92.8	1158.3
14	-4.04	-12.50	461.9	95.0	556.9	333.9	-92.4	241.5
		-13.00	417.1	151.6	568.7	341.0	-92.4	248.6
		-13.50	389.5	208.1	597.6	358.3	-92.4	265.9
		-14.00	394.3	250.1	644.3	386.3	-92.4	293.9
		-14.50	360.5	293.0	653.5	391.8	-92.4	299.4
		-15.00	409.2	329.9	739.2	443.1	-92.4	350.8
		-15.50	586.9	370.5	957.4	574.0	-92.4	481.6
		-16.00	532.1	421.8	953.9	571.9	-92.4	479.5
		-16.50	451.5	473.1	924.6	554.3	-92.4	461.9
		-17.00	484.2	515.2	999.4	599.2	-92.4	506.8
		-17.50	487.8	560.2	1048.0	628.3	-92.4	535.9
		-18.00	474.4	604.6	1079.0	646.9	-92.4	554.5
		-18.50	536.2	648.8	1185.0	710.4	-92.4	618.0
		-19.00	323.3	705.3	1028.6	616.7	-92.4	524.3
		-19.50	288.9	761.9	1050.8	630.0	-92.4	537.6
		-20.00	170.3	814.0	984.3	590.1	-92.4	497.7
		-20.50	359.0	844.6	1203.6	721.6	-92.4	629.2
		-21.00	374.1	883.6	1257.7	754.0	-92.4	661.6
		-21.50	342.2	928.7	1270.9	761.9	-92.4	669.5
		-22.00	341.0	965.2	1306.2	783.1	-92.4	690.7
		-22.50	892.3	1006.7	1899.0	1138.5	-92.4	1046.1
15	-3.79	-12.50	485.0	130.4	615.3	368.9	-97.1	271.8
		-13.00	463.3	185.2	648.5	388.8	-97.1	291.7
		-13.50	470.6	233.4	704.0	422.1	-97.1	325.0
		-14.00	434.8	278.1	712.9	427.4	-97.1	330.3
		-14.50	481.4	319.8	801.2	480.3	-97.1	383.2
		-15.00	446.2	364.8	811.0	486.2	-97.1	389.1
		-15.50	451.7	408.7	860.4	515.8	-97.1	418.7
		-16.00	634.7	456.1	1090.9	654.0	-97.1	556.9
		-16.50	697.2	512.7	1209.9	725.4	-97.1	628.3
		-17.00	526.9	569.2	1096.1	657.1	-97.1	560.1
		-17.50	498.2	625.8	1123.9	673.8	-97.1	576.7
		-18.00	463.6	682.3	1145.9	687.0	-97.1	589.9
		-18.50	393.4	733.7	1127.1	675.7	-97.1	578.6
		-19.00	457.2	771.6	1228.8	736.7	-97.1	639.6
		-19.50	441.1	816.9	1258.0	754.2	-97.1	657.1
		-20.00	432.5	858.5	1291.0	774.0	-97.1	676.9
		-20.50	404.4	897.2	1301.6	780.3	-97.1	683.2
		-21.00	388.7	941.1	1329.8	797.2	-97.1	700.2
		-21.50	318.8	980.8	1299.6	779.1	-97.1	682.1
		-22.00	815.6	1010.2	1825.8	1094.6	-97.1	997.5
		-22.50	941.7	1066.6	2008.3	1204.0	-97.1	1107.0
16	-3.91	-12.50	487.9	102.8	590.8	354.2	-91.2	262.9
		-13.00	384.4	154.0	538.4	322.8	-91.2	231.5
		-13.50	372.0	201.1	573.1	343.6	-91.2	252.4
		-14.00	366.5	243.4	609.9	365.6	-91.2	274.4
		-14.50	374.5	277.7	652.2	391.0	-91.2	299.8
		-15.00	380.2	312.5	692.7	415.3	-91.2	324.0
		-15.50	561.6	352.0	913.6	547.7	-91.2	456.5
		-16.00	571.6	405.3	976.9	585.7	-91.2	494.4
		-16.50	513.9	460.1	974.0	583.9	-91.2	492.7
		-17.00	426.9	514.8	941.8	564.6	-91.2	473.4
		-17.50	379.5	568.4	947.9	568.3	-91.2	477.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	400.8	602.9	1003.7	601.7	-91.2	510.5
		-18.50	589.7	642.2	1231.9	738.6	-91.2	647.3
		-19.00	576.7	697.8	1274.5	764.1	-91.2	672.9
		-19.50	544.6	754.4	1298.9	778.7	-91.2	687.5
		-20.00	526.0	810.3	1336.2	801.1	-91.2	709.9
		-20.50	513.7	855.5	1369.2	820.9	-91.2	729.6
		-21.00	508.8	900.6	1409.4	845.0	-91.2	753.7
		-21.50	1218.7	951.5	2170.2	1301.1	-91.2	1209.8
		-22.00	874.1	1008.1	1882.2	1128.4	-91.2	1037.2
		-22.50	583.5	1064.6	1648.1	988.1	-91.2	896.8
17	-4.01	-12.50	490.5	102.6	593.1	355.6	-88.8	266.8
		-13.00	465.1	157.6	622.7	373.3	-88.8	284.6
		-13.50	408.7	212.6	621.4	372.5	-88.8	283.7
		-14.00	404.5	260.8	665.3	398.9	-88.8	310.1
		-14.50	397.4	302.8	700.2	419.8	-88.8	331.0
		-15.00	454.5	342.0	796.6	477.6	-88.8	388.8
		-15.50	557.1	383.5	940.6	563.9	-88.8	475.2
		-16.00	584.3	435.1	1019.3	611.1	-88.8	522.3
		-16.50	573.2	486.9	1060.1	635.6	-88.8	546.8
		-17.00	600.7	541.6	1142.3	684.8	-88.8	596.1
		-17.50	592.3	598.1	1190.4	713.6	-88.8	624.9
		-18.00	568.3	653.4	1221.7	732.4	-88.8	643.7
		-18.50	690.2	705.8	1396.0	836.9	-88.8	748.2
		-19.00	607.1	759.1	1366.2	819.1	-88.8	730.3
		-19.50	687.8	812.2	1500.0	899.3	-88.8	810.5
		-20.00	654.1	865.4	1519.5	911.0	-88.8	822.2
		-20.50	653.8	917.6	1571.4	942.1	-88.8	853.3
		-21.00	1008.8	973.0	1981.8	1188.1	-88.8	1099.3
		-21.50	1145.7	1029.5	2175.2	1304.1	-88.8	1215.3
		-22.00	1156.7	1086.1	2242.7	1344.6	-88.8	1255.8
		-22.50	1299.3	1142.6	2441.9	1464.0	-88.8	1375.2
18	-4.40	-12.50	460.4	83.1	543.6	325.9	-73.9	252.0
		-13.00	432.6	137.7	570.3	341.9	-73.9	268.0
		-13.50	419.0	192.8	611.9	366.8	-73.9	292.9
		-14.00	355.9	242.9	598.8	359.0	-73.9	285.1
		-14.50	323.8	278.6	602.4	361.1	-73.9	287.2
		-15.00	305.6	319.6	625.2	374.8	-73.9	300.9
		-15.50	282.7	354.4	637.0	381.9	-73.9	308.0
		-16.00	290.0	378.5	668.5	400.8	-73.9	326.9
		-16.50	366.3	403.9	770.2	461.7	-73.9	387.8
		-17.00	582.3	439.4	1021.7	612.5	-73.9	538.6
		-17.50	630.8	492.5	1123.3	673.4	-73.9	599.5
		-18.00	601.8	549.0	1150.8	689.9	-73.9	616.0
		-18.50	479.5	605.6	1085.1	650.5	-73.9	576.6
		-19.00	430.1	655.7	1085.9	651.0	-73.9	577.1
		-19.50	520.4	695.6	1216.0	729.0	-73.9	655.1
		-20.00	448.0	741.0	1189.0	712.8	-73.9	638.9
		-20.50	526.1	782.9	1309.1	784.8	-73.9	710.9
		-21.00	667.0	831.5	1498.4	898.3	-73.9	824.4
		-21.50	639.3	888.0	1527.3	915.7	-73.9	841.7
		-22.00	605.3	944.6	1549.8	929.2	-73.9	855.3
		-22.50	974.4	1001.1	1975.6	1184.4	-73.9	1110.5
19	-4.20	-12.50	491.7	113.1	604.8	362.6	-80.5	282.1
		-13.00	450.7	167.9	618.6	370.8	-80.5	290.3
		-13.50	422.0	216.5	638.5	382.8	-80.5	302.3
		-14.00	430.3	258.5	688.8	413.0	-80.5	332.5
		-14.50	407.7	303.7	711.4	426.5	-80.5	346.0
		-15.00	425.9	344.8	770.7	462.1	-80.5	381.6
		-15.50	394.2	385.4	779.6	467.4	-80.5	386.9
		-16.00	384.1	427.6	811.7	486.6	-80.5	406.1
		-16.50	372.0	467.9	840.0	503.6	-80.5	423.1
		-17.00	371.4	504.1	875.6	524.9	-80.5	444.4
		-17.50	932.3	542.8	1475.1	884.4	-80.5	803.9
		-18.00	864.8	599.4	1464.2	877.8	-80.5	797.3
		-18.50	766.1	655.9	1422.0	852.5	-80.5	772.0
		-19.00	599.2	712.5	1311.7	786.4	-80.5	705.9
		-19.50	453.1	767.6	1220.7	731.8	-80.5	651.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.00	574.7	811.3	1386.0	830.9	-80.5	750.5
		-20.50	492.0	856.5	1348.5	808.5	-80.5	728.0
		-21.00	729.3	906.9	1636.2	980.9	-80.5	900.4
		-21.50	701.0	963.5	1664.4	997.9	-80.5	917.4
		-22.00	981.7	1020.0	2001.7	1200.0	-80.5	1119.5
		-22.50	841.4	1076.6	1918.0	1149.9	-80.5	1069.4

REKENGEGEVENS 450

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 450
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 450

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL 450 (n=1)

Uitgangspunten

- paal : 450
 - paaltype : Avegaarpaal
 - schachtafmeting : 450 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuikdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	642.4	103.0	745.4	446.9	-91.2	355.6
		-13.00	614.2	166.6	780.8	468.1	-91.2	376.9
		-13.50	600.5	230.3	830.8	498.1	-91.2	406.9
		-14.00	495.9	293.9	789.7	473.5	-91.2	382.2
		-14.50	469.9	342.2	812.1	486.9	-91.2	395.6
		-15.00	453.1	391.3	844.4	506.2	-91.2	415.0
		-15.50	408.7	442.1	850.8	510.1	-91.2	418.8
		-16.00	393.2	476.1	869.3	521.2	-91.2	429.9
		-16.50	538.0	506.7	1044.7	626.3	-91.2	535.1
		-17.00	620.8	550.6	1171.3	702.2	-91.2	611.0
		-17.50	676.2	604.9	1281.1	768.0	-91.2	676.8
		-18.00	600.7	668.5	1269.2	760.9	-91.2	669.7
		-18.50	521.5	732.1	1253.6	751.6	-91.2	660.4
		-19.00	528.0	776.7	1304.8	782.2	-91.2	691.0
		-19.50	501.8	824.2	1326.0	794.9	-91.2	703.7
		-20.00	667.8	867.8	1535.6	920.6	-91.2	829.4
		-20.50	625.7	918.7	1544.3	925.9	-91.2	834.6
		-21.00	1068.5	974.4	2042.9	1224.7	-91.2	1133.5
		-21.50	1038.2	1038.0	2076.2	1244.7	-91.2	1153.5
		-22.00	1153.8	1101.6	2255.4	1352.2	-91.2	1260.9
		-22.50	1227.3	1165.2	2392.5	1434.4	-91.2	1343.1
2	-4.31	-12.50	550.0	87.4	637.4	382.1	-92.4	289.8
		-13.00	509.3	144.7	654.0	392.1	-92.4	299.7
		-13.50	470.7	202.3	672.9	403.4	-92.4	311.1
		-14.00	453.4	255.7	709.0	425.1	-92.4	332.7
		-14.50	450.0	296.7	746.7	447.7	-92.4	355.3
		-15.00	489.7	333.1	822.8	493.3	-92.4	400.9
		-15.50	473.9	375.7	849.7	509.4	-92.4	417.1
		-16.00	469.5	418.8	888.3	532.5	-92.4	440.2
		-16.50	448.5	463.8	912.3	546.9	-92.4	454.6
		-17.00	449.5	499.7	949.2	569.1	-92.4	476.7
		-17.50	594.0	536.0	1130.0	677.5	-92.4	585.1
		-18.00	545.4	586.7	1132.1	678.7	-92.4	586.4
		-18.50	641.0	633.0	1274.0	763.8	-92.4	671.4
		-19.00	636.9	683.9	1320.8	791.8	-92.4	699.5
		-19.50	631.6	732.5	1364.1	817.8	-92.4	725.4
		-20.00	608.3	783.3	1391.7	834.3	-92.4	742.0
		-20.50	585.5	832.2	1417.7	849.9	-92.4	757.6
		-21.00	1151.4	883.7	2035.1	1220.1	-92.4	1127.8
		-21.50	1174.3	947.3	2121.6	1272.0	-92.4	1179.6
		-22.00	1126.4	1011.0	2137.4	1281.4	-92.4	1189.1
		-22.50	1105.0	1074.6	2179.6	1306.7	-92.4	1214.3
3	-4.03	-12.50	687.0	105.1	792.2	474.9	-105.9	369.0
		-13.00	564.1	168.8	732.8	439.3	-105.9	333.5
		-13.50	488.9	232.4	721.3	432.4	-105.9	326.5
		-14.00	456.8	292.4	749.2	449.2	-105.9	343.3
		-14.50	444.7	341.5	786.2	471.3	-105.9	365.5
		-15.00	443.0	379.4	822.5	493.1	-105.9	387.2
		-15.50	438.0	414.6	852.6	511.2	-105.9	405.3
		-16.00	453.2	448.4	901.7	540.6	-105.9	434.7
		-16.50	430.7	488.4	919.1	551.0	-105.9	445.1
		-17.00	496.9	521.6	1018.5	610.6	-105.9	504.8
		-17.50	605.3	564.3	1169.6	701.2	-105.9	595.3
		-18.00	570.4	623.4	1193.7	715.7	-105.9	609.8
		-18.50	460.0	684.0	1144.0	685.8	-105.9	580.0
		-19.00	412.1	741.3	1153.4	691.5	-105.9	585.6
		-19.50	407.0	778.8	1185.8	710.9	-105.9	605.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	366.7	817.9	1184.5	710.2	-105.9	604.3
		-20.50	744.3	846.4	1590.6	953.6	-105.9	847.7
		-21.00	1083.3	907.8	1991.1	1193.7	-105.9	1087.9
		-21.50	1077.6	971.5	2049.0	1228.4	-105.9	1122.6
		-22.00	1032.4	1035.1	2067.5	1239.5	-105.9	1133.6
		-22.50	1037.1	1098.7	2135.7	1280.4	-105.9	1174.5
4	-4.21	-12.50	680.3	97.3	777.6	466.2	-92.4	373.8
		-13.00	651.1	154.5	805.6	483.0	-92.4	390.6
		-13.50	650.0	211.8	861.8	516.6	-92.4	424.2
		-14.00	674.6	266.9	941.5	564.5	-92.4	472.0
		-14.50	679.5	322.9	1002.4	601.0	-92.4	508.5
		-15.00	683.5	378.9	1062.4	636.9	-92.4	544.5
		-15.50	695.5	434.9	1130.4	677.7	-92.4	585.3
		-16.00	840.5	493.9	1334.4	800.0	-92.4	707.6
		-16.50	682.5	557.5	1240.0	743.4	-92.4	651.0
		-17.00	593.8	615.5	1209.4	725.1	-92.4	632.6
		-17.50	573.5	665.7	1239.2	742.9	-92.4	650.5
		-18.00	458.0	718.1	1176.1	705.1	-92.4	612.7
		-18.50	410.7	760.6	1171.3	702.2	-92.4	609.8
		-19.00	602.0	795.4	1397.4	837.8	-92.4	745.3
		-19.50	660.3	844.3	1504.6	902.1	-92.4	809.6
		-20.00	820.1	894.8	1714.9	1028.1	-92.4	935.7
		-20.50	1049.0	954.5	2003.5	1201.1	-92.4	1108.7
		-21.00	1011.7	1018.1	2029.1	1216.5	-92.4	1124.1
		-21.50	977.3	1081.7	2059.0	1234.4	-92.4	1142.0
		-22.00	862.3	1145.3	2007.7	1203.6	-92.4	1111.2
		-22.50	897.1	1208.9	2106.1	1262.6	-92.4	1170.2
5	-4.10	-12.50	730.7	105.8	836.5	501.5	-100.0	401.5
		-13.00	557.7	169.4	727.1	435.9	-100.0	335.9
		-13.50	501.9	233.0	734.9	440.6	-100.0	340.6
		-14.00	474.5	296.6	771.1	462.3	-100.0	362.3
		-14.50	425.1	354.4	779.4	467.3	-100.0	367.3
		-15.00	423.9	389.1	813.0	487.4	-100.0	387.4
		-15.50	549.1	424.6	973.8	583.8	-100.0	483.8
		-16.00	541.6	475.2	1016.8	609.6	-100.0	509.6
		-16.50	480.0	524.0	1004.0	601.9	-100.0	501.9
		-17.00	521.1	563.9	1085.1	650.5	-100.0	550.5
		-17.50	481.3	613.3	1094.6	656.2	-100.0	556.2
		-18.00	450.7	664.1	1114.8	668.4	-100.0	568.4
		-18.50	436.9	703.8	1140.7	683.9	-100.0	583.9
		-19.00	438.3	737.6	1175.9	705.0	-100.0	605.0
		-19.50	455.8	771.3	1227.1	735.7	-100.0	635.7
		-20.00	628.7	807.6	1436.3	861.1	-100.0	761.1
		-20.50	869.4	862.8	1732.3	1038.5	-100.0	938.5
		-21.00	1411.7	926.5	2338.1	1401.8	-100.0	1301.8
		-21.50	1273.0	990.1	2263.1	1356.8	-100.0	1256.8
		-22.00	1224.4	1053.7	2278.0	1365.7	-100.0	1265.8
		-22.50	1201.0	1117.3	2318.3	1389.9	-100.0	1289.9
6	-4.28	-12.50	690.9	95.4	786.3	471.4	-91.2	380.2
		-13.00	541.7	157.3	699.0	419.1	-91.2	327.9
		-13.50	499.8	219.3	719.1	431.1	-91.2	339.9
		-14.00	486.3	279.9	766.2	459.3	-91.2	368.1
		-14.50	440.4	332.3	772.7	463.3	-91.2	372.0
		-15.00	495.0	368.2	863.2	517.5	-91.2	426.3
		-15.50	524.0	411.3	935.3	560.7	-91.2	469.5
		-16.00	509.1	462.2	971.3	582.3	-91.2	491.1
		-16.50	485.6	512.0	997.6	598.1	-91.2	506.9
		-17.00	448.3	556.9	1005.2	602.6	-91.2	511.4
		-17.50	541.4	593.4	1134.8	680.3	-91.2	589.1
		-18.00	575.2	640.2	1215.5	728.7	-91.2	637.5
		-18.50	648.0	687.6	1335.5	800.7	-91.2	709.4
		-19.00	706.2	742.6	1448.8	868.6	-91.2	777.4
		-19.50	704.2	800.8	1505.0	902.3	-91.2	811.0
		-20.00	1176.4	857.3	2033.6	1219.2	-91.2	1128.0
		-20.50	1148.9	920.9	2069.8	1240.9	-91.2	1149.6
		-21.00	1134.3	984.5	2118.8	1270.2	-91.2	1179.0
		-21.50	1139.4	1048.1	2187.5	1311.5	-91.2	1220.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1123.1	1111.7	2234.8	1339.8	-91.2	1248.6
		-22.50	1025.5	1175.3	2200.8	1319.4	-91.2	1228.2
7	-4.33	-12.50	743.3	100.9	844.1	506.1	-85.8	420.3
		-13.00	732.0	162.1	894.1	536.0	-85.8	450.2
		-13.50	611.7	223.4	835.2	500.7	-85.8	414.9
		-14.00	582.8	284.3	867.1	519.8	-85.8	434.0
		-14.50	553.0	346.5	899.5	539.3	-85.8	453.5
		-15.00	507.5	403.2	910.7	546.0	-85.8	460.2
		-15.50	527.1	445.0	972.1	582.8	-85.8	497.0
		-16.00	452.9	491.1	943.9	565.9	-85.8	480.1
		-16.50	396.8	540.9	937.7	562.2	-85.8	476.3
		-17.00	405.2	570.9	976.2	585.2	-85.8	499.4
		-17.50	382.6	609.5	992.2	594.8	-85.8	509.0
		-18.00	424.0	645.0	1069.0	640.9	-85.8	555.1
		-18.50	395.6	690.2	1085.8	650.9	-85.8	565.1
		-19.00	425.0	724.5	1149.5	689.1	-85.8	603.3
		-19.50	685.5	764.4	1449.9	869.2	-85.8	783.4
		-20.00	630.3	818.5	1448.8	868.6	-85.8	782.8
		-20.50	534.5	872.3	1406.9	843.4	-85.8	757.6
		-21.00	1015.5	917.1	1932.6	1158.6	-85.8	1072.8
		-21.50	1104.9	979.5	2084.4	1249.6	-85.8	1163.8
8	-4.35	-12.50	577.9	96.1	674.0	404.1	-85.3	318.8
		-13.00	521.4	152.9	674.3	404.3	-85.3	319.0
		-13.50	431.3	210.7	642.1	384.9	-85.3	299.6
		-14.00	382.5	263.7	646.2	387.4	-85.3	302.1
		-14.50	374.2	305.1	679.3	407.3	-85.3	322.0
		-15.00	366.0	340.0	706.0	423.3	-85.3	338.0
		-15.50	356.8	369.0	725.8	435.1	-85.3	349.8
		-16.00	398.3	395.4	793.7	475.8	-85.3	390.5
		-16.50	366.6	426.4	793.0	475.4	-85.3	390.1
		-17.00	334.5	466.4	800.9	480.2	-85.3	394.9
		-17.50	316.5	502.7	819.2	491.1	-85.3	405.8
		-18.00	303.6	529.3	832.9	499.3	-85.3	414.0
		-18.50	309.9	550.7	860.6	515.9	-85.3	430.6
		-19.00	365.4	572.8	938.2	562.5	-85.3	477.2
		-19.50	610.0	601.1	1211.1	726.1	-85.3	640.8
		-20.00	837.8	655.8	1493.7	895.5	-85.3	810.2
9	-4.34	-20.50	1045.0	719.5	1764.4	1057.8	-85.3	972.5
		-21.00	1189.6	783.1	1972.7	1182.7	-85.3	1097.4
		-21.50	1193.2	846.7	2039.9	1223.0	-85.3	1137.7
		-22.00	1094.8	910.3	2005.1	1202.1	-85.3	1116.8
		-22.50	1311.4	973.9	2285.3	1370.1	-85.3	1284.8
		-12.50	679.0	96.9	775.9	465.2	-87.4	377.7
		-13.00	532.8	159.2	692.0	414.8	-87.4	327.4
		-13.50	503.2	221.5	724.6	434.4	-87.4	347.0
		-14.00	453.1	283.2	736.4	441.5	-87.4	354.0
		-14.50	408.5	335.3	743.9	446.0	-87.4	358.5
10	-4.05	-15.00	389.5	374.4	763.9	458.0	-87.4	370.5
		-15.50	356.0	410.7	766.7	459.6	-87.4	372.2
		-16.00	348.4	442.6	791.0	474.2	-87.4	386.8
		-16.50	343.0	470.5	813.5	487.7	-87.4	400.3
		-17.00	338.8	496.7	835.5	500.9	-87.4	413.5
		-17.50	345.6	522.3	867.9	520.3	-87.4	432.9
		-18.00	331.0	550.2	881.2	528.3	-87.4	440.8
		-18.50	420.1	573.6	993.7	595.8	-87.4	508.3
		-19.00	515.4	609.3	1124.8	674.3	-87.4	586.9
		-19.50	857.0	658.0	1515.0	908.3	-87.4	820.8
		-20.00	803.7	721.6	1525.3	914.4	-87.4	827.0
		-20.50	763.6	785.1	1548.7	928.5	-87.4	841.0
		-21.00	1072.0	848.2	1920.2	1151.2	-87.4	1063.8
		-21.50	1222.6	911.8	2134.4	1279.6	-87.4	1192.2
		-22.00	1201.2	975.4	2176.7	1305.0	-87.4	1217.5
		-22.50	1117.3	1039.1	2156.4	1292.8	-87.4	1205.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.50	509.9	302.6	812.5	487.1	-106.2	380.9
		-15.00	489.6	352.2	841.7	504.6	-106.2	398.4
		-15.50	464.3	402.8	867.1	519.9	-106.2	413.7
		-16.00	415.9	449.5	865.4	518.8	-106.2	412.6
		-16.50	500.3	482.8	983.1	589.4	-106.2	483.2
		-17.00	460.6	531.4	992.0	594.7	-106.2	488.5
		-17.50	512.5	568.0	1080.4	647.7	-106.2	541.5
		-18.00	683.1	613.6	1296.7	777.4	-106.2	671.2
		-18.50	574.4	668.2	1242.5	744.9	-106.2	638.7
		-19.00	454.4	718.9	1173.3	703.4	-106.2	597.2
		-19.50	539.5	754.5	1293.9	775.7	-106.2	669.5
		-20.00	608.9	799.7	1408.6	844.5	-106.2	738.3
		-20.50	653.8	849.9	1503.7	901.5	-106.2	795.3
		-21.00	861.4	900.7	1762.1	1056.4	-106.2	950.2
		-21.50	1188.0	963.0	2151.0	1289.6	-106.2	1183.4
		-22.00	1231.8	1026.6	2258.4	1354.0	-106.2	1247.8
		-22.50	1237.3	1090.3	2327.5	1395.4	-106.2	1289.2
11	-4.07	-12.50	565.0	74.5	639.5	383.4	-100.7	282.7
		-13.00	468.8	128.3	597.1	358.0	-100.7	257.3
		-13.50	420.4	182.4	602.8	361.4	-100.7	260.7
		-14.00	407.8	232.8	640.6	384.1	-100.7	283.4
		-14.50	379.1	275.6	654.7	392.5	-100.7	291.8
		-15.00	416.9	304.3	721.1	432.3	-100.7	331.6
		-15.50	746.1	341.3	1087.4	651.9	-100.7	551.2
		-16.00	712.4	402.3	1114.6	668.3	-100.7	567.6
		-16.50	624.8	463.4	1088.2	652.4	-100.7	551.7
		-17.00	528.4	519.5	1047.9	628.2	-100.7	527.5
		-17.50	506.4	570.2	1076.6	645.4	-100.7	544.7
		-18.00	457.3	621.1	1078.4	646.5	-100.7	545.8
		-18.50	426.5	664.5	1091.0	654.1	-100.7	553.4
		-19.00	468.9	698.2	1167.1	699.7	-100.7	599.0
		-19.50	637.6	736.9	1374.5	824.0	-100.7	723.3
		-20.00	1460.4	792.7	2253.1	1350.8	-100.7	1250.1
		-20.50	1459.5	856.3	2315.8	1388.3	-100.7	1287.6
		-21.00	1260.2	919.9	2180.1	1307.0	-100.7	1206.3
		-21.50	1149.0	983.5	2132.5	1278.5	-100.7	1177.8
		-22.00	1108.7	1047.2	2155.9	1292.5	-100.7	1191.8
		-22.50	1048.4	1110.8	2159.2	1294.5	-100.7	1193.8
12	-4.04	-12.50	712.3	92.8	805.2	482.7	-103.0	379.7
		-13.00	646.0	156.4	802.4	481.1	-103.0	378.0
		-13.50	603.0	220.0	823.0	493.4	-103.0	390.4
		-14.00	577.6	280.8	858.4	514.6	-103.0	411.6
		-14.50	597.1	329.7	926.7	555.6	-103.0	452.6
		-15.00	648.1	378.6	1026.7	615.5	-103.0	512.5
		-15.50	533.3	429.5	962.8	577.2	-103.0	474.2
		-16.00	522.3	478.9	1001.2	600.3	-103.0	497.2
		-16.50	478.8	529.5	1008.3	604.5	-103.0	501.5
		-17.00	465.8	576.4	1042.2	624.8	-103.0	521.8
		-17.50	475.5	613.6	1089.1	652.9	-103.0	549.9
		-18.00	430.6	659.6	1090.2	653.6	-103.0	550.6
		-18.50	554.0	696.5	1250.5	749.7	-103.0	646.7
		-19.00	602.8	743.4	1346.1	807.0	-103.0	704.0
		-19.50	694.8	791.7	1486.6	891.2	-103.0	788.2
		-20.00	670.0	842.9	1512.8	907.0	-103.0	803.9
		-20.50	652.8	896.0	1548.7	928.5	-103.0	825.5
		-21.00	687.8	949.1	1636.8	981.3	-103.0	878.3
		-21.50	751.3	1002.2	1753.4	1051.2	-103.0	948.2
		-22.00	966.0	1061.6	2027.5	1215.5	-103.0	1112.5
		-22.50	941.8	1125.2	2067.0	1239.2	-103.0	1136.2
13	-4.03	-12.50	542.5	98.4	640.9	384.2	-104.5	279.8
		-13.00	494.3	156.6	650.9	390.2	-104.5	285.8
		-13.50	461.5	214.5	676.0	405.3	-104.5	300.9
		-14.00	448.2	261.5	709.7	425.5	-104.5	321.0
		-14.50	506.9	301.3	808.1	484.5	-104.5	380.0
		-15.00	501.3	345.2	846.5	507.5	-104.5	403.0
		-15.50	639.5	388.1	1027.6	616.1	-104.5	511.6
		-16.00	635.4	439.2	1074.6	644.2	-104.5	539.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.50	595.9	490.0	1085.9	651.0	-104.5	546.5
		-17.00	600.8	539.3	1140.0	683.5	-104.5	579.0
		-17.50	570.5	590.2	1160.7	695.8	-104.5	591.4
		-18.00	558.0	639.0	1197.0	717.6	-104.5	613.2
		-18.50	618.8	684.0	1302.8	781.0	-104.5	676.6
		-19.00	739.3	734.9	1474.3	883.9	-104.5	779.4
		-19.50	710.2	791.1	1501.3	900.1	-104.5	795.6
		-20.00	726.2	847.5	1573.7	943.5	-104.5	839.0
		-20.50	753.0	904.3	1657.3	993.6	-104.5	889.2
		-21.00	735.6	961.1	1696.8	1017.2	-104.5	912.8
		-21.50	985.9	1019.1	2004.9	1202.0	-104.5	1097.5
		-22.00	1365.5	1082.7	2448.2	1467.8	-104.5	1363.3
		-22.50	1351.6	1146.3	2497.9	1497.5	-104.5	1393.1
14	-4.04	-12.50	581.5	106.9	688.5	412.7	-103.9	308.8
		-13.00	509.9	170.5	680.5	407.9	-103.9	304.0
		-13.50	486.2	234.2	720.4	431.9	-103.9	328.0
		-14.00	493.5	281.3	774.8	464.5	-103.9	360.6
		-14.50	461.1	329.6	790.7	474.0	-103.9	370.1
		-15.00	517.5	371.2	888.7	532.8	-103.9	428.8
		-15.50	708.4	416.8	1125.2	674.6	-103.9	570.7
		-16.00	669.8	474.5	1144.3	686.0	-103.9	582.1
		-16.50	571.4	532.3	1103.7	661.7	-103.9	557.7
		-17.00	612.8	579.6	1192.5	714.9	-103.9	611.0
		-17.50	631.4	630.2	1261.5	756.3	-103.9	652.4
		-18.00	600.4	680.1	1280.5	767.7	-103.9	663.8
		-18.50	435.4	729.9	1165.3	698.6	-103.9	594.7
		-19.00	416.0	793.5	1209.5	725.1	-103.9	621.2
		-19.50	365.6	857.1	1222.8	733.1	-103.9	629.1
		-20.00	232.1	915.8	1147.9	688.2	-103.9	584.3
		-20.50	480.1	950.2	1430.2	857.4	-103.9	753.5
		-21.00	472.6	994.0	1466.6	879.2	-103.9	775.3
		-21.50	431.5	1044.7	1476.2	885.0	-103.9	781.1
		-22.00	454.9	1085.8	1540.7	923.7	-103.9	819.7
		-22.50	1126.3	1132.6	2258.9	1354.3	-103.9	1250.3
15	-3.79	-12.50	601.2	146.6	747.8	448.3	-109.2	339.1
		-13.00	580.0	208.3	788.4	472.6	-109.2	363.4
		-13.50	589.0	262.6	851.6	510.6	-109.2	401.3
		-14.00	565.0	312.8	877.8	526.3	-109.2	417.1
		-14.50	609.2	359.8	969.0	580.9	-109.2	471.7
		-15.00	564.7	410.4	975.1	584.6	-109.2	475.4
		-15.50	586.7	459.8	1046.5	627.4	-109.2	518.2
		-16.00	803.3	513.2	1316.5	789.3	-109.2	680.0
		-16.50	833.8	576.8	1410.6	845.7	-109.2	736.5
		-17.00	647.7	640.4	1288.1	772.3	-109.2	663.0
		-17.50	636.2	704.0	1340.2	803.5	-109.2	694.3
		-18.00	586.7	767.6	1354.3	812.0	-109.2	702.7
		-18.50	505.2	825.4	1330.6	797.7	-109.2	688.5
		-19.00	578.6	868.1	1446.7	867.3	-109.2	758.1
		-19.50	558.3	919.0	1477.3	885.7	-109.2	776.4
		-20.00	519.9	965.8	1485.6	890.7	-109.2	781.4
		-20.50	511.8	1009.4	1521.2	912.0	-109.2	802.7
		-21.00	491.9	1058.7	1550.7	929.7	-109.2	820.4
		-21.50	403.5	1103.4	1506.9	903.4	-109.2	794.2
		-22.00	1070.1	1136.5	2206.6	1322.9	-109.2	1213.7
		-22.50	1191.9	1200.0	2391.8	1433.9	-109.2	1324.7
16	-3.91	-12.50	554.5	115.7	670.2	401.8	-102.6	299.2
		-13.00	478.4	173.3	651.6	390.7	-102.6	288.0
		-13.50	464.3	226.3	690.5	414.0	-102.6	311.3
		-14.00	458.5	273.8	732.3	439.1	-102.6	336.4
		-14.50	472.6	312.4	784.9	470.6	-102.6	367.9
		-15.00	490.5	351.5	842.0	504.8	-102.6	402.2
		-15.50	720.1	396.0	1116.1	669.1	-102.6	566.5
		-16.00	671.9	455.9	1127.8	676.2	-102.6	573.5
		-16.50	631.3	517.6	1148.9	688.8	-102.6	586.1
		-17.00	540.3	579.2	1119.5	671.2	-102.6	568.5
		-17.50	480.3	639.5	1119.7	671.3	-102.6	568.7
		-18.00	507.2	678.2	1185.5	710.7	-102.6	608.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.50	746.4	722.5	1468.8	880.6	-102.6	777.9
		-19.00	731.4	785.1	1516.4	909.1	-102.6	806.5
		-19.50	685.9	848.7	1534.6	920.0	-102.6	817.4
		-20.00	660.4	911.5	1571.9	942.4	-102.6	839.7
		-20.50	650.1	962.5	1612.6	966.8	-102.6	864.1
		-21.00	677.8	1013.2	1691.1	1013.8	-102.6	911.2
		-21.50	1352.5	1070.5	2423.0	1452.6	-102.6	1350.0
		-22.00	916.6	1134.1	2050.7	1229.4	-102.6	1126.8
		-22.50	710.4	1197.7	1908.1	1144.0	-102.6	1041.3
17	-4.01	-12.50	611.9	115.4	727.4	436.1	-99.9	336.2
		-13.00	583.1	177.3	760.4	455.9	-99.9	356.0
		-13.50	511.1	239.2	750.3	449.8	-99.9	349.9
		-14.00	506.4	293.4	799.8	479.5	-99.9	379.6
		-14.50	500.8	340.7	841.5	504.5	-99.9	404.6
		-15.00	575.3	384.8	960.1	575.6	-99.9	475.7
		-15.50	705.1	431.4	1136.6	681.4	-99.9	581.5
		-16.00	739.5	489.4	1228.9	736.8	-99.9	636.9
		-16.50	738.1	547.8	1285.9	770.9	-99.9	671.1
		-17.00	760.3	609.3	1369.5	821.1	-99.9	721.2
		-17.50	749.6	672.9	1422.4	852.8	-99.9	752.9
		-18.00	719.2	735.1	1454.3	871.9	-99.9	772.0
		-18.50	873.5	794.1	1667.6	999.7	-99.9	899.9
		-19.00	768.4	853.9	1622.3	972.6	-99.9	872.8
		-19.50	870.4	913.8	1784.2	1069.7	-99.9	969.8
		-20.00	827.9	973.6	1801.5	1080.0	-99.9	980.2
		-20.50	827.5	1032.3	1859.8	1115.0	-99.9	1015.1
		-21.00	1334.0	1094.6	2428.7	1456.0	-99.9	1356.2
		-21.50	1450.0	1158.2	2608.2	1563.7	-99.9	1463.8
		-22.00	1471.9	1221.8	2693.7	1615.0	-99.9	1515.1
		-22.50	1640.1	1285.5	2925.5	1753.9	-99.9	1654.0
18	-4.40	-12.50	556.3	93.5	649.8	389.6	-83.1	306.4
		-13.00	544.3	154.9	699.3	419.2	-83.1	336.1
		-13.50	512.9	217.0	729.9	437.6	-83.1	354.4
		-14.00	428.7	273.3	702.0	420.9	-83.1	337.7
		-14.50	401.7	313.4	715.1	428.7	-83.1	345.6
		-15.00	386.8	359.6	746.3	447.4	-83.1	364.3
		-15.50	357.7	398.7	756.4	453.5	-83.1	370.3
		-16.00	370.4	425.8	796.3	477.4	-83.1	394.2
		-16.50	469.9	454.4	924.3	554.1	-83.1	471.0
		-17.00	763.9	494.4	1258.3	754.4	-83.1	671.2
		-17.50	781.2	554.0	1335.3	800.5	-83.1	717.4
		-18.00	761.6	617.7	1379.3	826.9	-83.1	743.8
		-18.50	606.9	681.3	1288.2	772.3	-83.1	689.1
		-19.00	580.4	737.7	1318.1	790.2	-83.1	707.1
		-19.50	658.7	782.5	1441.2	864.0	-83.1	780.9
		-20.00	567.0	833.6	1400.6	839.7	-83.1	756.5
		-20.50	665.9	880.8	1546.7	927.3	-83.1	844.1
		-21.00	844.1	935.4	1779.5	1066.9	-83.1	983.7
		-21.50	809.1	999.0	1808.1	1084.0	-83.1	1000.9
		-22.00	770.9	1062.7	1833.6	1099.3	-83.1	1016.1
		-22.50	1237.9	1126.3	2364.1	1417.3	-83.1	1334.2
19	-4.20	-12.50	625.7	127.3	753.0	451.4	-90.6	360.9
		-13.00	564.4	188.9	753.3	451.6	-90.6	361.1
		-13.50	527.2	243.5	770.7	462.1	-90.6	371.5
		-14.00	538.4	290.8	829.3	497.2	-90.6	406.6
		-14.50	513.4	341.7	855.1	512.6	-90.6	422.1
		-15.00	545.6	387.9	933.5	559.6	-90.6	469.1
		-15.50	497.8	433.6	931.4	558.4	-90.6	467.8
		-16.00	486.1	481.1	967.1	579.8	-90.6	489.3
		-16.50	470.9	526.4	997.3	597.9	-90.6	507.3
		-17.00	475.1	567.2	1042.3	624.9	-90.6	534.3
		-17.50	1179.9	610.7	1790.6	1073.5	-90.6	982.9
		-18.00	1028.4	674.3	1702.7	1020.8	-90.6	930.3
		-18.50	977.3	737.9	1715.2	1028.3	-90.6	937.8
		-19.00	744.7	801.5	1546.3	927.0	-90.6	836.5
		-19.50	577.1	863.6	1440.7	863.7	-90.6	773.2
		-20.00	727.4	912.7	1640.1	983.3	-90.6	892.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.50	641.6	963.6	1605.2	962.4	-90.6	871.8
		-21.00	923.0	1020.3	1943.3	1165.0	-90.6	1074.5
		-21.50	887.2	1083.9	1971.1	1181.7	-90.6	1091.1
		-22.00	1242.4	1147.5	2389.9	1432.8	-90.6	1342.2
		-22.50	1008.4	1211.1	2219.5	1330.6	-90.6	1240.1

REKENEGEGEVENS 500

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor ξ_3 ($n=1$) : 1.39 (handmatig)
 Factor ξ_3 (gem) : 1.39 (handmatig)
 Factor ξ_4 (min) : 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 500
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 500

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL 500 (n=1)****Uitgangspunten**

- paal : 500
- paaltype : Avegaarpaal
- schachtafmeting : 500 mm
Paalklassefactor α_p : 0.56
Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Beziijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	759.4	114.5	873.9	523.9	-101.4	422.5
		-13.00	763.4	185.2	948.6	568.7	-101.4	467.3
		-13.50	743.0	255.9	998.8	598.8	-101.4	497.4
		-14.00	589.0	326.5	915.6	548.9	-101.4	447.5
		-14.50	568.9	380.2	949.1	569.0	-101.4	467.6
		-15.00	556.6	434.7	991.4	594.4	-101.4	493.0
		-15.50	504.5	491.2	995.8	597.0	-101.4	495.6
		-16.00	486.4	529.0	1015.4	608.8	-101.4	507.4
		-16.50	668.2	563.0	1231.2	738.1	-101.4	636.7
		-17.00	775.0	611.7	1386.7	831.4	-101.4	730.0
		-17.50	831.6	672.1	1503.7	901.5	-101.4	800.1
		-18.00	741.1	742.8	1483.9	889.7	-101.4	788.3
		-18.50	643.8	813.5	1457.3	873.7	-101.4	772.3
		-19.00	651.9	863.0	1514.9	908.2	-101.4	806.9
		-19.50	624.0	915.8	1539.8	923.1	-101.4	821.8
		-20.00	824.4	964.2	1788.6	1072.3	-101.4	970.9
		-20.50	787.9	1020.8	1808.7	1084.3	-101.4	983.0
		-21.00	1319.1	1082.6	2401.8	1439.9	-101.4	1338.5
		-21.50	1299.6	1153.3	2453.0	1470.6	-101.4	1369.2
		-22.00	1424.5	1224.0	2648.5	1587.8	-101.4	1486.4
		-22.50	1515.2	1294.7	2809.9	1684.6	-101.4	1583.2
2	-4.31	-12.50	659.7	97.1	756.8	453.7	-102.6	351.1
		-13.00	600.9	160.8	761.7	456.6	-102.6	354.0
		-13.50	574.9	224.7	799.6	479.4	-102.6	376.8
		-14.00	552.5	284.1	836.6	501.6	-102.6	398.9
		-14.50	549.3	329.7	879.0	527.0	-102.6	424.4
		-15.00	589.1	370.1	959.2	575.0	-102.6	472.4
		-15.50	585.9	417.5	1003.4	601.5	-102.6	498.9
		-16.00	579.6	465.3	1044.9	626.4	-102.6	523.8
		-16.50	553.7	515.3	1069.0	640.9	-102.6	538.3
		-17.00	558.1	555.3	1113.4	667.5	-102.6	564.9
		-17.50	733.4	595.5	1328.9	796.7	-102.6	694.1
		-18.00	673.4	651.9	1325.2	794.5	-102.6	691.9
		-18.50	791.4	703.3	1494.7	896.1	-102.6	793.5
		-19.00	786.3	759.8	1546.2	927.0	-102.6	824.3
		-19.50	779.7	813.9	1593.6	955.4	-102.6	852.8
		-20.00	751.0	870.4	1621.4	972.1	-102.6	869.4
		-20.50	723.6	924.6	1648.2	988.2	-102.6	885.5
		-21.00	1450.2	981.9	2432.1	1458.1	-102.6	1355.5
		-21.50	1449.7	1052.6	2502.3	1500.2	-102.6	1397.6
		-22.00	1390.7	1123.3	2514.0	1507.2	-102.6	1404.6
		-22.50	1364.2	1194.0	2558.1	1533.7	-102.6	1431.0
3	-4.03	-12.50	796.8	116.8	913.6	547.7	-117.6	430.1
		-13.00	666.8	187.5	854.3	512.2	-117.6	394.5
		-13.50	590.3	258.2	848.5	508.7	-117.6	391.1
		-14.00	553.8	324.9	878.7	526.8	-117.6	409.1
		-14.50	542.8	379.5	922.3	552.9	-117.6	435.3
		-15.00	543.3	421.6	964.9	578.5	-117.6	460.8
		-15.50	540.7	460.7	1001.4	600.4	-117.6	482.7
		-16.00	559.5	498.3	1057.8	634.2	-117.6	516.5
		-16.50	533.1	542.7	1075.8	645.0	-117.6	527.3
		-17.00	625.1	579.6	1204.7	722.2	-117.6	604.6
		-17.50	730.0	627.0	1357.0	813.6	-117.6	695.9
		-18.00	650.8	692.7	1343.4	805.4	-117.6	687.8
		-18.50	562.2	760.0	1322.3	792.7	-117.6	675.1
		-19.00	508.8	823.6	1332.4	798.8	-117.6	681.2
		-19.50	502.5	865.3	1367.8	820.0	-117.6	702.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	453.9	908.8	1362.7	816.9	-117.6	699.3
		-20.50	922.9	940.4	1863.3	1117.1	-117.6	999.5
		-21.00	1337.4	1008.7	2346.1	1406.6	-117.6	1288.9
		-21.50	1330.3	1079.4	2409.7	1444.7	-117.6	1327.0
		-22.00	1274.6	1150.1	2424.7	1453.6	-117.6	1336.0
		-22.50	1260.9	1220.8	2481.7	1487.8	-117.6	1370.2
4	-4.21	-12.50	830.6	108.1	938.7	562.8	-102.7	460.1
		-13.00	798.4	171.7	970.1	581.6	-102.7	478.9
		-13.50	795.7	235.3	1031.0	618.1	-102.7	515.4
		-14.00	825.2	296.6	1121.8	672.6	-102.7	569.9
		-14.50	832.2	358.8	1191.0	714.0	-102.7	611.3
		-15.00	840.9	421.0	1261.9	756.5	-102.7	653.8
		-15.50	903.9	483.2	1387.1	831.6	-102.7	728.9
		-16.00	1037.6	548.8	1586.4	951.1	-102.7	848.4
		-16.50	775.9	619.5	1395.3	836.5	-102.7	733.8
		-17.00	733.1	683.9	1417.1	849.6	-102.7	746.9
		-17.50	713.6	739.6	1453.2	871.2	-102.7	768.5
		-18.00	565.4	797.9	1363.3	817.4	-102.7	714.7
		-18.50	511.3	845.2	1356.5	813.2	-102.7	710.5
		-19.00	743.2	883.8	1627.0	975.4	-102.7	872.7
		-19.50	815.2	938.1	1753.4	1051.2	-102.7	948.5
		-20.00	1051.1	994.3	2045.3	1226.2	-102.7	1123.5
		-20.50	1265.5	1060.5	2326.0	1394.5	-102.7	1291.8
		-21.00	1247.2	1131.2	2378.4	1425.9	-102.7	1323.2
		-21.50	1206.6	1201.9	2408.5	1443.9	-102.7	1341.2
		-22.00	1064.6	1272.6	2337.2	1401.2	-102.7	1298.5
		-22.50	1120.1	1343.3	2463.4	1476.9	-102.7	1374.2
5	-4.10	-12.50	802.9	117.5	920.4	551.8	-111.1	440.7
		-13.00	647.2	188.2	835.4	500.8	-111.1	389.7
		-13.50	611.1	258.9	870.0	521.6	-111.1	410.5
		-14.00	578.2	329.6	907.8	544.2	-111.1	433.2
		-14.50	518.1	393.7	911.8	546.7	-111.1	435.6
		-15.00	521.1	432.4	953.5	571.6	-111.1	460.5
		-15.50	678.0	471.8	1149.8	689.3	-111.1	578.2
		-16.00	668.7	528.0	1196.7	717.4	-111.1	606.3
		-16.50	594.5	582.2	1176.7	705.5	-111.1	594.4
		-17.00	628.3	626.6	1254.9	752.3	-111.1	641.2
		-17.50	590.3	681.4	1271.7	762.4	-111.1	651.3
		-18.00	556.5	737.9	1294.4	776.0	-111.1	664.9
		-18.50	539.4	782.0	1321.4	792.2	-111.1	681.1
		-19.00	542.3	819.6	1361.8	816.4	-111.1	705.4
		-19.50	563.9	857.0	1420.9	851.9	-111.1	740.8
		-20.00	785.0	897.4	1682.4	1008.6	-111.1	897.5
		-20.50	1116.3	958.7	2075.0	1244.0	-111.1	1132.9
		-21.00	1617.8	1029.4	2647.2	1587.1	-111.1	1476.0
		-21.50	1573.0	1100.1	2673.1	1602.6	-111.1	1491.5
		-22.00	1511.6	1170.8	2682.3	1608.1	-111.1	1497.0
		-22.50	1482.8	1241.4	2724.2	1633.2	-111.1	1522.1
6	-4.28	-12.50	838.7	106.0	944.7	566.4	-101.4	465.0
		-13.00	643.4	174.8	818.2	490.5	-101.4	389.2
		-13.50	611.9	243.6	855.5	512.9	-101.4	411.5
		-14.00	593.0	311.0	904.0	542.0	-101.4	440.6
		-14.50	536.9	369.2	906.1	543.2	-101.4	441.9
		-15.00	620.2	409.1	1029.3	617.1	-101.4	515.7
		-15.50	644.8	457.0	1101.8	660.5	-101.4	559.2
		-16.00	628.5	513.5	1142.0	684.7	-101.4	583.3
		-16.50	599.5	568.9	1168.4	700.5	-101.4	599.1
		-17.00	554.9	618.8	1173.6	703.6	-101.4	602.3
		-17.50	679.9	659.3	1339.2	802.9	-101.4	701.5
		-18.00	709.4	711.4	1420.7	851.8	-101.4	750.4
		-18.50	808.2	763.9	1572.2	942.5	-101.4	841.2
		-19.00	871.9	825.1	1697.0	1017.4	-101.4	916.0
		-19.50	869.4	889.7	1759.1	1054.6	-101.4	953.3
		-20.00	1452.3	952.5	2404.8	1441.7	-101.4	1340.4
		-20.50	1418.4	1023.2	2441.6	1463.8	-101.4	1362.4
		-21.00	1400.3	1093.9	2494.2	1495.3	-101.4	1394.0
		-21.50	1406.7	1164.6	2571.3	1541.5	-101.4	1440.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	1386.5	1235.3	2621.8	1571.8	-101.4	1470.4
		-22.50	1264.4	1305.9	2570.4	1541.0	-101.4	1439.6
7	-4.33	-12.50	913.2	112.1	1025.3	614.7	-95.3	519.3
		-13.00	831.9	180.2	1012.0	606.7	-95.3	511.4
		-13.50	732.9	248.3	981.1	588.2	-95.3	492.9
		-14.00	712.7	315.8	1028.6	616.7	-95.3	521.3
		-14.50	675.9	385.0	1060.9	636.0	-95.3	540.7
		-15.00	624.3	448.0	1072.3	642.9	-95.3	547.5
		-15.50	650.7	494.4	1145.1	686.5	-95.3	591.2
		-16.00	561.1	545.6	1106.7	663.5	-95.3	568.1
		-16.50	489.9	601.0	1090.9	654.0	-95.3	558.6
		-17.00	500.3	634.4	1134.7	680.3	-95.3	584.9
		-17.50	489.7	677.2	1166.9	699.6	-95.3	604.2
		-18.00	523.4	716.7	1240.1	743.5	-95.3	648.1
		-18.50	488.4	766.9	1255.3	752.6	-95.3	657.2
		-19.00	549.2	805.0	1354.2	811.9	-95.3	716.5
		-19.50	846.3	849.3	1695.6	1016.6	-95.3	921.2
		-20.00	778.2	909.4	1687.6	1011.7	-95.3	916.4
		-20.50	659.8	969.2	1629.0	976.6	-95.3	881.3
		-21.00	1291.3	1019.0	2310.3	1385.1	-95.3	1289.7
		-21.50	1377.4	1088.3	2465.7	1478.2	-95.3	1382.9
8	-4.35	-12.50	668.4	106.7	775.1	464.7	-94.8	369.9
		-13.00	604.4	169.9	774.3	464.2	-94.8	369.4
		-13.50	499.8	234.2	734.0	440.1	-94.8	345.3
		-14.00	461.7	293.0	754.8	452.5	-94.8	357.7
		-14.50	455.7	339.0	794.7	476.4	-94.8	381.6
		-15.00	448.3	377.8	826.2	495.3	-94.8	400.5
		-15.50	443.6	410.0	853.6	511.8	-94.8	417.0
		-16.00	482.3	439.3	921.6	552.5	-94.8	457.8
		-16.50	442.4	473.8	916.2	549.3	-94.8	454.5
		-17.00	413.7	518.2	931.9	558.7	-94.8	463.9
		-17.50	390.8	558.5	949.3	569.1	-94.8	474.4
		-18.00	374.8	588.1	962.9	577.3	-94.8	482.5
		-18.50	385.5	611.9	997.4	597.9	-94.8	503.2
		-19.00	454.3	636.5	1090.8	654.0	-94.8	559.2
		-19.50	770.5	667.9	1438.4	862.4	-94.8	767.6
		-20.00	1038.0	728.7	1766.7	1059.2	-94.8	964.4
		-20.50	1293.7	799.4	2093.1	1254.8	-94.8	1160.1
		-21.00	1468.7	870.1	2338.8	1402.1	-94.8	1307.4
		-21.50	1473.1	940.8	2413.9	1447.2	-94.8	1352.4
9	-4.34	-12.50	792.9	107.7	900.6	540.0	-97.2	442.8
		-13.00	642.2	176.9	819.1	491.1	-97.2	393.9
		-13.50	603.6	246.1	849.7	509.4	-97.2	412.2
		-14.00	527.5	314.7	842.2	504.9	-97.2	407.8
		-14.50	493.8	372.6	866.4	519.4	-97.2	422.3
		-15.00	452.6	416.0	868.6	520.7	-97.2	423.6
		-15.50	439.8	456.3	896.1	537.2	-97.2	440.1
		-16.00	430.2	491.8	921.9	552.7	-97.2	455.6
		-16.50	423.4	522.8	946.2	567.3	-97.2	470.1
		-17.00	421.3	551.9	973.2	583.5	-97.2	486.3
10	-4.05	-12.50	757.8	98.8	856.6	513.6	-118.0	395.6
		-13.00	734.6	162.6	897.2	537.9	-118.0	419.9
		-13.50	702.4	226.2	928.5	556.7	-118.0	438.7
		-14.00	677.8	281.0	958.8	574.8	-118.0	456.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.50	616.4	336.2	952.6	571.1	-118.0	453.1
		-15.00	601.1	391.3	992.4	595.0	-118.0	477.0
		-15.50	573.2	447.6	1020.8	612.0	-118.0	494.0
		-16.00	513.3	499.4	1012.7	607.1	-118.0	489.1
		-16.50	617.6	536.5	1154.1	691.9	-118.0	573.9
		-17.00	568.6	590.5	1159.1	694.9	-118.0	576.9
		-17.50	652.1	631.1	1283.2	769.3	-118.0	651.3
		-18.00	829.9	681.7	1511.6	906.2	-118.0	788.2
		-18.50	711.3	742.4	1453.7	871.5	-118.0	753.5
		-19.00	560.8	798.8	1359.6	815.1	-118.0	697.1
		-19.50	666.0	838.3	1504.3	901.9	-118.0	783.9
		-20.00	754.3	888.6	1642.9	985.0	-118.0	867.0
		-20.50	807.2	944.3	1751.5	1050.1	-118.0	932.1
		-21.00	1094.9	1000.8	2095.6	1256.4	-118.0	1138.4
		-21.50	1478.0	1070.0	2548.0	1527.6	-118.0	1409.6
		-22.00	1519.0	1140.7	2659.7	1594.5	-118.0	1476.5
		-22.50	1527.5	1211.4	2738.9	1642.0	-118.0	1524.0
11	-4.07	-12.50	639.1	82.8	722.0	432.8	-111.9	320.9
		-13.00	558.2	142.6	700.7	420.1	-111.9	308.2
		-13.50	513.5	202.7	716.2	429.4	-111.9	317.5
		-14.00	495.7	258.7	754.4	452.3	-111.9	340.4
		-14.50	461.9	306.2	768.1	460.5	-111.9	348.6
		-15.00	519.1	338.1	857.2	513.9	-111.9	402.0
		-15.50	892.0	379.2	1271.2	762.1	-111.9	650.2
		-16.00	879.4	447.0	1326.3	795.2	-111.9	683.3
		-16.50	719.6	514.9	1234.5	740.1	-111.9	628.2
		-17.00	642.5	577.2	1219.7	731.2	-111.9	619.3
		-17.50	616.3	633.6	1249.8	749.3	-111.9	637.4
		-18.00	564.6	690.1	1254.7	752.2	-111.9	640.3
		-18.50	526.5	738.3	1264.8	758.3	-111.9	646.4
		-19.00	578.9	775.8	1354.7	812.2	-111.9	700.3
		-19.50	798.1	818.7	1616.9	969.3	-111.9	857.5
		-20.00	1803.1	880.8	2683.9	1609.0	-111.9	1497.1
		-20.50	1728.6	951.4	2680.1	1606.8	-111.9	1494.9
		-21.00	1478.3	1022.1	2500.5	1499.1	-111.9	1387.2
		-21.50	1418.5	1092.8	2511.3	1505.6	-111.9	1393.7
		-22.00	1368.8	1163.5	2532.3	1518.2	-111.9	1406.3
		-22.50	1294.4	1234.2	2528.6	1515.9	-111.9	1404.0
12	-4.04	-12.50	816.0	103.2	919.1	551.0	-114.5	436.6
		-13.00	793.9	173.8	967.8	580.2	-114.5	465.7
		-13.50	737.4	244.5	981.9	588.6	-114.5	474.2
		-14.00	705.4	312.0	1017.3	609.9	-114.5	495.4
		-14.50	745.4	366.3	1111.7	666.5	-114.5	552.0
		-15.00	723.3	420.6	1144.0	685.8	-114.5	571.4
		-15.50	648.9	477.2	1126.1	675.1	-114.5	560.6
		-16.00	644.9	532.1	1177.0	705.6	-114.5	591.2
		-16.50	591.4	588.3	1179.7	707.3	-114.5	592.8
		-17.00	575.0	640.4	1215.4	728.7	-114.5	614.2
		-17.50	587.1	681.7	1268.8	760.7	-114.5	646.2
		-18.00	538.6	732.9	1271.5	762.3	-114.5	647.8
		-18.50	683.9	773.9	1457.8	874.0	-114.5	759.5
		-19.00	742.8	826.0	1568.8	940.5	-114.5	826.0
		-19.50	836.3	879.7	1716.0	1028.8	-114.5	914.3
		-20.00	827.1	936.5	1763.6	1057.3	-114.5	942.8
		-20.50	805.9	995.5	1801.4	1080.0	-114.5	965.5
		-21.00	849.1	1054.5	1903.6	1141.3	-114.5	1026.8
		-21.50	964.3	1113.5	2077.8	1245.7	-114.5	1131.2
		-22.00	1192.5	1179.5	2372.1	1422.1	-114.5	1307.6
		-22.50	1162.8	1250.2	2413.0	1446.6	-114.5	1332.2
13	-4.03	-12.50	633.6	109.3	742.9	445.4	-116.1	329.3
		-13.00	604.4	174.0	778.4	466.7	-116.1	350.6
		-13.50	562.9	238.4	801.2	480.4	-116.1	364.3
		-14.00	545.3	290.5	835.8	501.1	-116.1	385.0
		-14.50	620.3	334.7	955.1	572.6	-116.1	456.5
		-15.00	624.5	383.6	1008.0	604.3	-116.1	488.3
		-15.50	789.5	431.3	1220.7	731.9	-116.1	615.8
		-16.00	772.8	488.0	1260.7	755.8	-116.1	639.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.50	739.4	544.4	1283.8	769.7	-116.1	653.6
		-17.00	741.7	599.2	1340.9	803.9	-116.1	687.8
		-17.50	704.4	655.7	1360.1	815.4	-116.1	699.3
		-18.00	689.8	710.0	1399.8	839.2	-116.1	723.1
		-18.50	763.9	760.0	1523.9	913.6	-116.1	797.6
		-19.00	912.8	816.6	1729.4	1036.8	-116.1	920.7
		-19.50	876.8	878.9	1755.8	1052.6	-116.1	936.6
		-20.00	913.5	941.6	1855.1	1112.2	-116.1	996.1
		-20.50	929.7	1004.8	1934.5	1159.7	-116.1	1043.7
		-21.00	908.2	1067.9	1976.1	1184.7	-116.1	1068.7
		-21.50	1233.4	1132.3	2365.7	1418.3	-116.1	1302.2
		-22.00	1670.5	1203.0	2873.5	1722.7	-116.1	1606.7
		-22.50	1627.4	1273.7	2901.1	1739.3	-116.1	1623.2
14	-4.04	-12.50	699.1	118.8	817.9	490.3	-115.5	374.9
		-13.00	625.0	189.5	814.5	488.3	-115.5	372.8
		-13.50	593.5	260.2	853.7	511.8	-115.5	396.3
		-14.00	601.4	312.6	914.0	548.0	-115.5	432.5
		-14.50	580.6	366.3	946.9	567.7	-115.5	452.2
		-15.00	638.0	412.4	1050.5	629.8	-115.5	514.3
		-15.50	858.9	463.2	1322.0	792.6	-115.5	677.1
		-16.00	826.9	527.3	1354.2	811.8	-115.5	696.4
		-16.50	705.5	591.4	1296.9	777.5	-115.5	662.0
		-17.00	756.5	644.1	1400.6	839.7	-115.5	724.2
		-17.50	788.4	700.2	1488.6	892.5	-115.5	777.0
		-18.00	741.2	755.7	1496.9	897.4	-115.5	782.0
		-18.50	546.2	811.0	1357.2	813.7	-115.5	698.2
		-19.00	513.6	881.7	1395.3	836.5	-115.5	721.0
		-19.50	451.4	952.3	1403.8	841.6	-115.5	726.1
		-20.00	339.3	1017.6	1356.8	813.5	-115.5	698.0
		-20.50	592.4	1055.7	1648.1	988.1	-115.5	872.6
		-21.00	582.5	1104.5	1686.9	1011.3	-115.5	895.9
		-21.50	531.1	1160.8	1691.9	1014.4	-115.5	898.9
15	-3.79	-12.50	744.6	162.9	907.6	544.1	-121.4	422.8
		-13.00	709.7	231.5	941.2	564.3	-121.4	442.9
		-13.50	719.7	291.8	1011.4	606.4	-121.4	485.0
		-14.00	713.8	347.6	1061.4	636.3	-121.4	515.0
		-14.50	747.2	399.7	1147.0	687.6	-121.4	566.3
		-15.00	697.1	456.1	1153.2	691.4	-121.4	570.0
		-15.50	745.4	510.8	1256.3	753.2	-121.4	631.8
		-16.00	991.8	570.2	1561.9	936.4	-121.4	815.1
		-16.50	868.5	640.9	1509.3	904.9	-121.4	783.5
		-17.00	792.6	711.6	1504.2	901.8	-121.4	780.4
		-17.50	788.7	782.2	1570.9	941.8	-121.4	820.4
		-18.00	724.3	852.9	1577.3	945.6	-121.4	824.2
		-18.50	631.9	917.1	1549.0	928.6	-121.4	807.3
		-19.00	721.2	964.6	1685.7	1010.6	-121.4	889.3
		-19.50	689.3	1021.1	1710.4	1025.4	-121.4	904.0
16	-3.91	-20.00	631.4	1073.1	1704.5	1021.9	-121.4	900.5
		-20.50	631.8	1121.5	1753.4	1051.2	-121.4	929.8
		-21.00	607.3	1176.4	1783.7	1069.4	-121.4	948.0
		-21.50	498.0	1226.0	1724.0	1033.6	-121.4	912.2
		-22.00	1365.9	1262.7	2628.7	1575.9	-121.4	1454.6
		-22.50	1471.4	1333.3	2804.7	1681.5	-121.4	1560.1
		-12.50	640.5	128.5	769.1	461.1	-114.1	347.0
		-13.00	576.8	192.5	769.4	461.3	-114.1	347.2
		-13.50	566.1	251.4	817.5	490.1	-114.1	376.1
		-14.00	558.2	304.2	862.4	517.0	-114.1	403.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.50	918.6	802.7	1721.3	1032.0	-114.1	917.9
		-19.00	871.8	872.3	1744.1	1045.6	-114.1	931.5
		-19.50	846.8	943.0	1789.8	1073.0	-114.1	959.0
		-20.00	815.3	1012.8	1828.1	1096.0	-114.1	981.9
		-20.50	802.6	1069.4	1872.0	1122.3	-114.1	1008.3
		-21.00	884.5	1125.8	2010.3	1205.2	-114.1	1091.2
		-21.50	1428.0	1189.4	2617.4	1569.2	-114.1	1455.1
		-22.00	1024.3	1260.1	2284.4	1369.5	-114.1	1255.5
		-22.50	880.3	1330.8	2211.1	1325.6	-114.1	1211.5
17	-4.01	-12.50	739.2	128.3	867.5	520.1	-111.0	409.1
		-13.00	646.3	197.0	843.3	505.6	-111.0	394.6
		-13.50	624.0	265.8	889.8	533.5	-111.0	422.5
		-14.00	617.2	326.0	943.2	565.4	-111.0	454.5
		-14.50	612.3	378.5	990.9	594.0	-111.0	483.1
		-15.00	709.2	427.5	1136.8	681.5	-111.0	570.5
		-15.50	870.5	479.4	1349.9	809.3	-111.0	698.3
		-16.00	912.9	543.8	1456.8	873.4	-111.0	762.4
		-16.50	929.1	608.7	1537.7	921.9	-111.0	810.9
		-17.00	938.6	677.0	1615.6	968.6	-111.0	857.6
		-17.50	925.4	747.6	1673.0	1003.0	-111.0	892.1
		-18.00	887.6	816.8	1704.4	1021.8	-111.0	910.9
		-18.50	1056.5	882.3	1938.8	1162.4	-111.0	1051.4
		-19.00	948.7	948.8	1897.5	1137.6	-111.0	1026.6
		-19.50	1074.6	1015.3	2089.9	1253.0	-111.0	1142.0
		-20.00	1022.1	1081.7	2103.9	1261.3	-111.0	1150.3
		-20.50	1021.6	1147.0	2168.6	1300.1	-111.0	1189.1
		-21.00	1690.7	1216.3	2907.0	1742.8	-111.0	1631.8
		-21.50	1790.7	1286.9	3077.0	1844.7	-111.0	1733.7
		-22.00	1827.5	1357.6	3185.1	1909.5	-111.0	1798.6
18	-4.40	-12.50	674.1	103.9	778.0	466.4	-92.4	374.1
		-13.00	658.4	172.1	830.5	497.9	-92.4	405.5
		-13.50	570.5	241.1	811.6	486.6	-92.4	394.2
		-14.00	491.0	303.6	794.6	476.4	-92.4	384.0
		-14.50	490.7	348.2	838.9	502.9	-92.4	410.6
		-15.00	474.1	399.5	873.6	523.7	-92.4	431.3
		-15.50	441.7	443.0	884.6	530.3	-92.4	438.0
		-16.00	461.4	473.1	934.6	560.3	-92.4	467.9
		-16.50	588.7	504.9	1093.6	655.6	-92.4	563.2
		-17.00	971.7	549.3	1521.0	911.8	-92.4	819.5
		-17.50	982.3	615.6	1597.9	958.0	-92.4	865.6
		-18.00	937.2	686.3	1623.4	973.3	-92.4	880.9
		-18.50	749.2	757.0	1506.2	903.0	-92.4	810.6
		-19.00	755.7	819.7	1575.4	944.5	-92.4	852.1
		-19.50	813.2	869.4	1682.6	1008.8	-92.4	916.4
		-20.00	700.0	926.3	1626.2	975.0	-92.4	882.6
		-20.50	821.5	978.7	1800.1	1079.2	-92.4	986.8
		-21.00	1042.1	1039.4	2081.5	1247.9	-92.4	1155.5
		-21.50	998.9	1110.0	2108.9	1264.3	-92.4	1171.9
		-22.00	959.3	1180.7	2140.0	1283.0	-92.4	1190.6
19	-4.20	-12.50	1532.7	1251.4	2784.1	1669.1	-92.4	1576.7
		-12.50	766.9	141.4	908.3	544.5	-100.6	443.9
		-13.00	641.5	209.9	851.4	510.4	-100.6	409.8
		-13.50	643.7	270.6	914.3	548.1	-100.6	447.5
		-14.00	656.8	323.1	979.9	587.5	-100.6	486.9
		-14.50	626.7	379.7	1006.3	603.3	-100.6	502.7
		-15.00	649.6	431.0	1080.6	647.8	-100.6	547.2
		-15.50	615.5	481.7	1097.3	657.8	-100.6	557.2
		-16.00	600.1	534.5	1134.6	680.2	-100.6	579.6
		-16.50	581.3	584.9	1166.2	699.2	-100.6	598.6
		-17.00	593.2	630.2	1223.4	733.5	-100.6	632.8
		-17.50	1391.7	678.5	2070.3	1241.2	-100.6	1140.6
		-18.00	1269.7	749.2	2018.9	1210.4	-100.6	1109.7
		-18.50	1142.1	819.9	1962.0	1176.3	-100.6	1075.6
		-19.00	926.0	890.6	1816.6	1089.1	-100.6	988.5
		-19.50	725.2	959.5	1684.7	1010.0	-100.6	909.4
		-20.00	898.0	1014.1	1912.1	1146.4	-100.6	1045.8



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.50	814.2	1070.7	1884.9	1130.0	-100.6	1029.4
		-21.00	1139.5	1133.6	2273.2	1362.8	-100.6	1262.2
		-21.50	1095.3	1204.3	2299.6	1378.7	-100.6	1278.0
		-22.00	1349.5	1275.0	2624.5	1573.5	-100.6	1472.8
		-22.50	1222.9	1345.7	2568.6	1539.9	-100.6	1439.3

REKENGEGEVENS 550

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 : 17, 18, 19

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_3 (n=1)$: 1.39 (handmatig)
 Factor $\xi_3 (gem)$: 1.39 (handmatig)
 Factor $\xi_4 (min)$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 350
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 350

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL 550 (n=1)****Uitgangspunten**

- paal : 350
- paaltype : Avegaarpaal
- schachtafmeting : 350 mm
Paalklassefactor α_p : 0.56
Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1	-4.24	-12.50	454.1	80.1	534.3	320.3	-71.0	249.4
		-13.00	390.3	129.6	520.0	311.7	-71.0	240.8
		-13.50	371.4	179.1	550.5	330.0	-71.0	259.1
		-14.00	343.9	228.6	572.4	343.2	-71.0	272.2
		-14.50	301.6	266.1	567.7	340.3	-71.0	269.4
		-15.00	272.7	304.3	577.1	346.0	-71.0	275.0
		-15.50	247.2	343.9	591.1	354.4	-71.0	283.4
		-16.00	237.3	370.3	607.6	364.3	-71.0	293.3
		-16.50	320.1	394.1	714.2	428.2	-71.0	357.2
		-17.00	367.5	428.2	795.7	477.0	-71.0	406.1
		-17.50	432.8	470.5	903.3	541.6	-71.0	470.6
		-18.00	386.1	520.0	906.0	543.2	-71.0	472.2
		-18.50	315.5	569.4	884.9	530.5	-71.0	459.6
		-19.00	322.0	604.1	926.2	555.3	-71.0	484.3
		-19.50	303.4	641.1	944.4	566.2	-71.0	495.3
		-20.00	404.0	675.0	1078.9	646.8	-71.0	575.9
		-20.50	370.9	714.5	1085.4	650.7	-71.0	579.8
		-21.00	646.4	757.8	1404.2	841.9	-71.0	770.9
		-21.50	622.6	807.3	1429.9	857.3	-71.0	786.3
		-22.00	698.0	856.8	1554.8	932.1	-71.0	861.2
		-22.50	726.0	906.3	1632.3	978.6	-71.0	907.7
2	-4.31	-12.50	395.0	67.9	462.9	277.5	-71.8	205.7
		-13.00	335.1	112.5	447.7	268.4	-71.8	196.6
		-13.50	298.9	157.3	456.2	273.5	-71.8	201.7
		-14.00	281.8	198.9	480.7	288.2	-71.8	216.3
		-14.50	276.2	230.8	507.0	304.0	-71.8	232.1
		-15.00	285.3	259.1	544.4	326.4	-71.8	254.5
		-15.50	292.9	292.2	585.1	350.8	-71.8	279.0
		-16.00	283.9	325.7	609.6	365.5	-71.8	293.6
		-16.50	271.3	360.7	632.0	378.9	-71.8	307.1
		-17.00	268.8	388.7	657.5	394.2	-71.8	322.4
		-17.50	359.3	416.9	776.2	465.4	-71.8	393.5
		-18.00	330.0	456.3	786.2	471.4	-71.8	399.5
		-18.50	387.8	492.3	880.1	527.6	-71.8	455.8
		-19.00	385.3	531.9	917.2	549.9	-71.8	478.0
		-19.50	382.4	569.7	952.1	570.8	-71.8	499.0
		-20.00	357.0	609.3	966.3	579.3	-71.8	507.5
		-20.50	354.6	647.2	1001.8	600.6	-71.8	528.8
		-21.00	668.3	687.3	1355.7	812.8	-71.8	740.9
		-21.50	718.0	736.8	1454.8	872.2	-71.8	800.3
		-22.00	681.4	786.3	1467.7	879.9	-71.8	808.1
		-22.50	668.4	835.8	1504.2	901.8	-71.8	830.0
3	-4.03	-12.50	466.0	81.8	547.8	328.4	-82.3	246.1
		-13.00	399.9	131.3	531.2	318.4	-82.3	236.1
		-13.50	319.2	180.7	499.9	299.7	-82.3	217.3
		-14.00	291.0	227.4	518.5	310.8	-82.3	228.5
		-14.50	271.8	265.6	537.5	322.2	-82.3	239.9
		-15.00	268.4	295.1	563.5	337.8	-82.3	255.5
		-15.50	265.0	322.5	587.4	352.2	-82.3	269.8
		-16.00	274.2	348.8	623.0	373.5	-82.3	291.1
		-16.50	259.3	379.9	639.2	383.2	-82.3	300.9
		-17.00	290.5	405.7	696.2	417.4	-82.3	335.0
		-17.50	442.6	438.9	881.6	528.5	-82.3	446.2
		-18.00	357.9	484.9	842.8	505.3	-82.3	422.9
		-18.50	307.4	532.0	839.4	503.2	-82.3	420.9
		-19.00	249.0	576.5	825.5	494.9	-82.3	412.6
		-19.50	246.2	605.7	851.9	510.7	-82.3	428.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3	-4.03	-20.00	221.7	636.1	857.8	514.3	-82.3	431.9
		-20.50	449.6	658.3	1107.9	664.2	-82.3	581.9
		-21.00	683.6	706.1	1389.7	833.1	-82.3	750.8
		-21.50	651.9	755.6	1407.4	843.8	-82.3	761.4
		-22.00	624.6	805.1	1429.6	857.1	-82.3	774.7
		-22.50	595.7	854.5	1450.2	869.4	-82.3	787.1
4	-4.21	-12.50	414.5	75.7	490.2	293.9	-71.9	222.0
		-13.00	401.4	120.2	521.6	312.7	-71.9	240.8
		-13.50	399.4	164.7	564.1	338.2	-71.9	266.3
		-14.00	429.4	207.6	637.0	381.9	-71.9	310.0
		-14.50	414.0	251.2	665.1	398.8	-71.9	326.9
		-15.00	413.4	294.7	708.2	424.6	-71.9	352.7
		-15.50	398.4	338.2	736.6	441.6	-71.9	369.7
		-16.00	503.5	384.1	887.7	532.2	-71.9	460.3
		-16.50	423.0	433.6	856.6	513.6	-71.9	441.7
		-17.00	359.8	478.8	838.5	502.7	-71.9	430.8
		-17.50	344.9	517.7	862.6	517.2	-71.9	445.3
		-18.00	277.1	558.5	835.6	501.0	-71.9	429.1
		-18.50	245.6	591.6	837.2	501.9	-71.9	430.0
		-19.00	364.2	618.7	982.8	589.2	-71.9	517.3
		-19.50	399.5	656.7	1056.1	633.2	-71.9	561.3
		-20.00	431.7	696.0	1127.7	676.1	-71.9	604.2
		-20.50	634.5	742.4	1376.9	825.5	-71.9	753.6
		-21.00	636.5	791.8	1428.4	856.3	-71.9	784.5
		-21.50	586.2	841.3	1427.5	855.8	-71.9	783.9
		-22.00	521.7	890.8	1412.5	846.8	-71.9	774.9
		-22.50	524.0	940.3	1464.3	877.9	-71.9	806.0
5	-4.10	-12.50	463.8	82.3	546.1	327.4	-77.8	249.6
		-13.00	412.2	131.7	544.0	326.1	-77.8	248.3
		-13.50	331.8	181.2	513.0	307.6	-77.8	229.8
		-14.00	293.6	230.7	524.3	314.3	-77.8	236.6
		-14.50	259.5	275.6	535.1	320.8	-77.8	243.0
		-15.00	256.4	302.7	559.1	335.2	-77.8	257.4
		-15.50	339.4	330.3	669.7	401.5	-77.8	323.7
		-16.00	327.7	369.6	697.2	418.0	-77.8	340.2
		-16.50	289.5	407.6	697.0	417.9	-77.8	340.1
		-17.00	334.0	438.6	772.7	463.2	-77.8	385.5
		-17.50	299.8	477.0	776.8	465.7	-77.8	388.0
		-18.00	272.0	516.5	788.6	472.8	-77.8	395.0
		-18.50	264.3	547.4	811.7	486.6	-77.8	408.9
		-19.00	264.2	573.7	837.9	502.3	-77.8	424.6
		-19.50	275.3	599.9	875.2	524.7	-77.8	446.9
		-20.00	377.4	628.2	1005.5	602.8	-77.8	525.1
		-20.50	488.6	671.1	1159.7	695.2	-77.8	617.5
		-21.00	850.8	720.6	1571.4	942.1	-77.8	864.3
		-21.50	828.8	770.1	1598.9	958.6	-77.8	880.8
		-22.00	739.4	819.5	1558.9	934.6	-77.8	856.9
		-22.50	726.6	869.0	1595.6	956.6	-77.8	878.8
6	-4.28	-12.50	461.0	74.2	535.2	320.9	-71.0	249.9
		-13.00	415.7	122.4	538.1	322.6	-71.0	251.7
		-13.50	319.0	170.5	489.6	293.5	-71.0	222.6
		-14.00	302.1	217.7	519.8	311.6	-71.0	240.7
		-14.50	270.2	258.5	528.7	316.9	-71.0	246.0
		-15.00	289.7	286.4	576.1	345.4	-71.0	274.4
		-15.50	340.5	319.9	660.4	395.9	-71.0	324.9
		-16.00	304.3	359.5	663.7	397.9	-71.0	327.0
		-16.50	293.8	398.2	692.0	414.9	-71.0	343.9
		-17.00	270.8	433.2	703.9	422.0	-71.0	351.1
		-17.50	322.5	461.5	784.0	470.0	-71.0	399.1
		-18.00	348.0	498.0	846.0	507.2	-71.0	436.2
		-18.50	383.2	534.8	918.0	550.3	-71.0	479.4
		-19.00	427.2	577.6	1004.8	602.4	-71.0	531.5
		-19.50	426.0	622.8	1048.8	628.8	-71.0	557.8
		-20.00	711.6	666.8	1378.4	826.4	-71.0	755.4
		-20.50	695.0	716.2	1411.2	846.1	-71.0	775.1
		-21.00	721.8	765.7	1487.5	891.8	-71.0	820.9
		-21.50	689.3	815.2	1504.5	902.0	-71.0	831.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6	-4.28	-22.00	679.4	864.7	1544.1	925.7	-71.0	854.7
		-22.50	620.4	914.2	1534.5	920.0	-71.0	849.0
7	-4.33	-12.50	455.6	78.4	534.0	320.2	-66.7	253.4
		-13.00	454.5	126.1	580.6	348.1	-66.7	281.3
		-13.50	429.8	173.8	603.6	361.9	-66.7	295.1
		-14.00	370.2	221.1	591.3	354.5	-66.7	287.8
		-14.50	336.5	269.5	606.0	363.3	-66.7	296.6
		-15.00	310.5	313.6	624.2	374.2	-66.7	307.5
		-15.50	318.8	346.1	664.9	398.6	-66.7	331.9
		-16.00	304.1	381.9	686.1	411.3	-66.7	344.6
		-16.50	240.0	420.7	660.7	396.1	-66.7	329.4
		-17.00	249.2	444.1	693.2	415.6	-66.7	348.9
		-17.50	222.1	474.1	696.2	417.4	-66.7	350.7
		-18.00	256.5	501.7	758.2	454.5	-66.7	387.8
		-18.50	239.3	536.8	776.1	465.3	-66.7	398.6
		-19.00	234.2	563.5	797.7	478.3	-66.7	411.5
		-19.50	418.1	594.5	1012.7	607.1	-66.7	540.4
		-20.00	381.3	636.6	1017.9	610.2	-66.7	543.5
		-20.50	323.6	678.5	1002.1	600.8	-66.7	534.0
		-21.00	557.0	713.3	1270.3	761.6	-66.7	694.8
		-21.50	660.3	761.8	1422.2	852.6	-66.7	785.9
		-22.00	747.9	811.3	1559.2	934.7	-66.7	868.0
8	-4.35	-12.50	393.8	74.7	468.6	280.9	-66.3	214.6
		-13.00	350.5	118.9	469.4	281.4	-66.3	215.1
		-13.50	294.2	163.9	458.1	274.6	-66.3	208.3
		-14.00	253.8	205.1	458.9	275.1	-66.3	208.8
		-14.50	229.6	237.3	466.9	279.9	-66.3	213.6
		-15.00	221.4	264.5	485.9	291.3	-66.3	224.9
		-15.50	213.4	287.0	500.4	300.0	-66.3	233.7
		-16.00	235.2	307.5	542.7	325.4	-66.3	259.0
		-16.50	243.3	331.7	575.0	344.7	-66.3	278.4
		-17.00	209.9	362.8	572.7	343.3	-66.3	277.0
		-17.50	191.5	391.0	582.4	349.2	-66.3	282.8
		-18.00	183.7	411.7	595.3	356.9	-66.3	290.6
		-18.50	184.4	428.3	612.7	367.4	-66.3	301.0
		-19.00	218.5	445.5	664.1	398.1	-66.3	331.8
		-19.50	349.3	467.5	816.8	489.7	-66.3	423.3
		-20.00	507.8	510.1	1017.9	610.3	-66.3	543.9
		-20.50	626.5	559.6	1186.0	711.1	-66.3	644.7
		-21.00	719.6	609.1	1328.7	796.6	-66.3	730.2
		-21.50	721.8	658.5	1380.4	827.6	-66.3	761.2
		-22.00	662.3	708.0	1370.3	821.5	-66.3	755.2
		-22.50	824.5	757.5	1582.0	948.5	-66.3	882.1
9	-4.34	-12.50	462.9	75.4	538.3	322.7	-68.0	254.7
		-13.00	410.0	123.8	533.8	320.0	-68.0	252.0
		-13.50	322.1	172.2	494.3	296.4	-68.0	228.4
		-14.00	295.6	220.3	515.9	309.3	-68.0	241.3
		-14.50	261.8	260.8	522.6	313.3	-68.0	245.3
		-15.00	243.9	291.2	535.1	320.8	-68.0	252.8
		-15.50	225.9	319.4	545.3	326.9	-68.0	258.9
		-16.00	210.8	344.2	555.0	332.8	-68.0	264.7
		-16.50	207.5	366.0	573.4	343.8	-68.0	275.8
		-17.00	202.3	386.3	588.7	352.9	-68.0	284.9
		-17.50	209.1	406.2	615.3	368.9	-68.0	300.9
		-18.00	199.9	427.9	627.8	376.4	-68.0	308.3
		-18.50	256.0	446.1	702.2	421.0	-68.0	352.9
		-19.00	265.3	473.9	739.2	443.2	-68.0	375.1
		-19.50	518.9	511.8	1030.6	617.9	-68.0	549.9
		-20.00	486.2	561.2	1047.4	628.0	-68.0	559.9
		-20.50	452.6	610.7	1063.3	637.5	-68.0	569.4
		-21.00	637.9	659.7	1297.6	778.0	-68.0	709.9
		-21.50	739.6	709.2	1448.8	868.6	-68.0	800.6
		-22.00	726.7	758.7	1485.4	890.5	-68.0	822.5
		-22.50	675.9	808.2	1484.1	889.7	-68.0	821.7
10	-4.05	-12.50	390.0	69.1	459.2	275.3	-82.6	192.7
		-13.00	374.3	113.8	488.1	292.6	-82.6	210.0
		-13.50	355.6	158.3	513.9	308.1	-82.6	225.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10	-4.05	-14.00	361.5	196.7	558.2	334.7	-82.6	252.0
		-14.50	370.2	235.3	605.5	363.0	-82.6	280.4
		-15.00	295.5	273.9	569.4	341.4	-82.6	258.8
		-15.50	280.9	313.3	594.2	356.2	-82.6	273.6
		-16.00	251.6	349.6	601.2	360.4	-82.6	277.8
		-16.50	302.6	375.5	678.2	406.6	-82.6	324.0
		-17.00	278.6	413.3	692.0	414.8	-82.6	332.2
		-17.50	291.3	441.7	733.0	439.5	-82.6	356.9
		-18.00	440.3	477.2	917.5	550.0	-82.6	467.4
		-18.50	341.4	519.7	861.1	516.3	-82.6	433.6
		-19.00	274.9	559.2	834.0	500.0	-82.6	417.4
		-19.50	326.4	586.8	913.2	547.5	-82.6	464.8
		-20.00	367.8	622.0	989.8	593.4	-82.6	510.8
		-20.50	395.5	661.0	1056.6	633.4	-82.6	550.8
		-21.00	488.0	700.5	1188.5	712.5	-82.6	629.9
		-21.50	717.7	749.0	1466.8	879.3	-82.6	796.7
		-22.00	837.8	798.5	1636.3	981.0	-82.6	898.4
		-22.50	742.1	848.0	1590.1	953.3	-82.6	870.7
11	-4.07	-12.50	393.2	58.0	451.2	270.5	-78.3	192.2
		-13.00	334.0	99.8	433.7	260.0	-78.3	181.7
		-13.50	269.0	141.9	410.9	246.3	-78.3	168.0
		-14.00	254.1	181.1	435.2	260.9	-78.3	182.6
		-14.50	232.3	214.4	446.7	267.8	-78.3	189.5
		-15.00	245.8	236.6	482.4	289.2	-78.3	210.9
		-15.50	506.4	265.4	771.9	462.7	-78.3	384.4
		-16.00	433.8	312.9	746.7	447.7	-78.3	369.3
		-16.50	391.1	360.4	751.5	450.5	-78.3	372.2
		-17.00	358.8	404.1	762.9	457.3	-78.3	379.0
		-17.50	310.5	443.5	754.0	452.0	-78.3	373.7
		-18.00	276.6	483.1	759.7	455.5	-78.3	377.2
		-18.50	258.0	516.8	774.8	464.5	-78.3	386.2
		-19.00	283.7	543.0	826.7	495.6	-78.3	417.3
		-19.50	374.9	573.1	948.0	568.4	-78.3	490.0
		-20.00	841.0	616.5	1457.5	873.8	-78.3	795.5
		-20.50	892.3	666.0	1558.3	934.2	-78.3	855.9
		-21.00	842.0	715.5	1557.5	933.7	-78.3	855.4
		-21.50	728.2	765.0	1493.2	895.2	-78.3	816.9
		-22.00	670.7	814.5	1485.2	890.4	-78.3	812.1
		-22.50	634.2	863.9	1498.2	898.2	-78.3	819.9
12	-4.04	-12.50	478.6	72.2	550.8	330.2	-80.1	250.1
		-13.00	425.1	121.7	546.8	327.8	-80.1	247.7
		-13.50	372.3	171.1	543.5	325.8	-80.1	245.7
		-14.00	357.8	218.4	576.2	345.4	-80.1	265.3
		-14.50	351.4	256.4	607.8	364.4	-80.1	284.2
		-15.00	401.4	294.4	695.9	417.2	-80.1	337.0
		-15.50	349.6	334.0	683.6	409.9	-80.1	329.7
		-16.00	315.0	372.5	687.4	412.1	-80.1	332.0
		-16.50	304.7	411.8	716.5	429.6	-80.1	349.4
		-17.00	281.8	448.3	730.1	437.7	-80.1	357.6
		-17.50	287.7	477.2	764.9	458.6	-80.1	378.4
		-18.00	258.9	513.0	771.9	462.8	-80.1	382.6
		-18.50	335.1	541.7	876.8	525.7	-80.1	445.6
		-19.00	351.0	578.2	929.2	557.1	-80.1	476.9
		-19.50	388.4	615.8	1004.2	602.1	-80.1	521.9
		-20.00	405.3	655.6	1060.8	636.0	-80.1	555.9
		-20.50	394.9	696.9	1091.7	654.5	-80.1	574.4
		-21.00	416.1	738.2	1154.2	692.0	-80.1	611.8
		-21.50	417.6	779.5	1197.1	717.7	-80.1	637.5
		-22.00	589.5	825.7	1415.1	848.4	-80.1	768.3
		-22.50	569.8	875.1	1444.9	866.2	-80.1	786.1
13	-4.03	-12.50	375.9	76.5	452.4	271.2	-81.2	190.0
		-13.00	305.1	121.8	426.9	255.9	-81.2	174.7
		-13.50	287.2	166.8	454.0	272.2	-81.2	190.9
		-14.00	277.1	203.4	480.4	288.0	-81.2	206.8
		-14.50	308.5	234.3	542.8	325.4	-81.2	244.2
		-15.00	297.6	268.5	566.1	339.4	-81.2	258.1
		-15.50	386.4	301.9	688.3	412.7	-81.2	331.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13	-4.03	-16.00	384.4	341.6	726.0	435.2	-81.2	354.0
		-16.50	357.9	381.1	739.0	443.1	-81.2	361.8
		-17.00	365.4	419.4	784.8	470.5	-81.2	389.3
		-17.50	345.1	459.0	804.1	482.1	-81.2	400.9
		-18.00	336.8	497.0	833.8	499.9	-81.2	418.6
		-18.50	371.4	532.0	903.4	541.6	-81.2	460.4
		-19.00	447.3	571.6	1018.9	610.8	-81.2	529.6
		-19.50	429.7	615.3	1044.9	626.4	-81.2	545.2
		-20.00	427.4	659.1	1086.5	651.4	-81.2	570.2
		-20.50	455.5	703.3	1158.9	694.8	-81.2	613.5
		-21.00	445.0	747.5	1192.6	715.0	-81.2	633.7
		-21.50	576.4	792.6	1369.0	820.7	-81.2	739.5
		-22.00	842.6	842.1	1684.7	1010.0	-81.2	928.7
		-22.50	819.3	891.6	1710.9	1025.7	-81.2	944.5
14	-4.04	-12.50	369.0	83.2	452.1	271.1	-80.8	190.2
		-13.00	348.8	132.6	481.4	288.6	-80.8	207.8
		-13.50	302.1	182.1	484.2	290.3	-80.8	209.5
		-14.00	305.0	218.8	523.8	314.0	-80.8	233.2
		-14.50	273.5	256.4	529.9	317.7	-80.8	236.8
		-15.00	313.3	288.7	602.0	360.9	-80.8	280.1
		-15.50	449.3	324.2	773.6	463.8	-80.8	382.9
		-16.00	416.5	369.1	785.6	471.0	-80.8	390.1
		-16.50	345.7	414.0	759.7	455.4	-80.8	374.6
		-17.00	370.7	450.8	821.5	492.5	-80.8	411.7
		-17.50	367.4	490.1	857.5	514.1	-80.8	433.2
		-18.00	363.2	529.0	892.2	534.9	-80.8	454.1
		-18.50	480.8	567.7	1048.4	628.6	-80.8	547.7
		-19.00	247.7	617.2	864.8	518.5	-80.8	437.6
		-19.50	221.2	666.6	887.8	532.3	-80.8	451.4
		-20.00	130.4	712.3	842.7	505.2	-80.8	424.3
		-20.50	266.6	739.0	1005.6	602.9	-80.8	522.0
		-21.00	287.2	773.1	1060.3	635.7	-80.8	554.8
		-21.50	263.3	812.6	1075.8	645.0	-80.8	564.1
15	-3.79	-22.00	254.7	844.5	1099.2	659.0	-80.8	578.1
		-22.50	685.4	880.9	1566.3	939.0	-80.8	858.2
		-12.50	408.4	114.1	522.4	313.2	-84.9	228.3
		-13.00	359.3	162.0	521.3	312.5	-84.9	227.6
		-13.50	363.7	204.2	567.9	340.5	-84.9	255.5
		-14.00	323.8	243.3	567.1	340.0	-84.9	255.1
		-14.50	368.6	279.8	648.4	388.7	-84.9	303.8
		-15.00	341.6	319.2	660.8	396.2	-84.9	311.2
		-15.50	338.2	357.6	695.8	417.1	-84.9	332.2
		-16.00	486.0	399.1	885.1	530.6	-84.9	445.7
16	-3.91	-16.50	533.8	448.6	982.4	589.0	-84.9	504.0
		-17.00	456.6	498.1	954.7	572.3	-84.9	487.4
		-17.50	380.8	547.6	928.4	556.6	-84.9	471.7
		-18.00	354.9	597.0	952.0	570.7	-84.9	485.8
		-18.50	296.3	642.0	938.3	562.5	-84.9	477.6
		-19.00	353.7	675.2	1028.9	616.8	-84.9	531.9
		-19.50	337.7	714.8	1052.5	631.0	-84.9	546.1
		-20.00	336.0	751.2	1087.2	651.8	-84.9	566.8
		-20.50	310.1	785.1	1095.2	656.6	-84.9	571.6
		-21.00	297.6	823.5	1121.1	672.1	-84.9	587.1
		-21.50	244.1	858.2	1102.3	660.8	-84.9	575.9
		-22.00	601.3	883.9	1485.2	890.4	-84.9	805.5
		-22.50	721.0	933.3	1654.3	991.8	-84.9	906.8
		-12.50	381.2	90.0	471.2	282.5	-79.8	202.6
		-13.00	303.4	134.8	438.2	262.7	-79.8	182.9
		-13.50	290.7	176.0	466.7	279.8	-79.8	200.0
		-14.00	282.5	213.0	495.5	297.0	-79.8	217.2
		-14.50	286.7	243.0	529.7	317.6	-79.8	237.7
		-15.00	287.4	273.4	560.8	336.2	-79.8	256.4
		-15.50	425.5	308.0	733.5	439.7	-79.8	359.9
		-16.00	460.0	354.6	814.6	488.4	-79.8	408.5
		-16.50	404.2	402.5	806.8	483.7	-79.8	403.9
		-17.00	326.3	450.5	776.8	465.7	-79.8	385.9
		-17.50	290.5	497.4	787.9	472.4	-79.8	392.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16	-3.91	-18.00	306.9	527.5	834.4	500.2	-79.8	420.4
		-18.50	499.0	561.9	1060.9	636.0	-79.8	556.2
		-19.00	444.8	610.6	1055.4	632.7	-79.8	552.9
		-19.50	440.4	660.1	1100.5	659.8	-79.8	579.9
		-20.00	402.7	709.0	1111.7	666.5	-79.8	586.6
		-20.50	393.3	748.6	1141.9	684.6	-79.8	604.7
		-21.00	375.0	788.1	1163.1	697.3	-79.8	617.5
		-21.50	933.0	832.6	1765.6	1058.5	-79.8	978.7
		-22.00	734.4	882.1	1616.5	969.1	-79.8	889.3
		-22.50	482.0	931.5	1413.6	847.5	-79.8	767.6
17	-4.01	-12.50	409.0	89.8	498.7	299.0	-77.7	221.3
		-13.00	370.0	137.9	507.9	304.5	-77.7	226.8
		-13.50	327.6	186.0	513.7	307.9	-77.7	230.3
		-14.00	315.2	228.2	543.4	325.8	-77.7	248.1
		-14.50	304.3	265.0	569.2	341.3	-77.7	263.6
		-15.00	348.3	299.3	647.5	388.2	-77.7	310.5
		-15.50	426.6	335.6	762.1	456.9	-77.7	379.2
		-16.00	447.3	380.7	828.0	496.4	-77.7	418.7
		-16.50	432.7	426.1	858.8	514.9	-77.7	437.2
		-17.00	459.9	473.9	933.8	559.8	-77.7	482.2
		-17.50	453.4	523.3	976.8	585.6	-77.7	507.9
		-18.00	435.1	571.7	1006.8	603.6	-77.7	525.9
		-18.50	528.4	617.6	1146.0	687.1	-77.7	609.4
		-19.00	464.8	664.2	1129.0	676.9	-77.7	599.2
		-19.50	520.5	710.7	1231.3	738.2	-77.7	660.5
		-20.00	500.8	757.2	1258.1	754.2	-77.7	676.6
		-20.50	500.6	802.9	1303.5	781.5	-77.7	703.8
		-21.00	723.3	851.4	1574.7	944.0	-77.7	866.4
		-21.50	877.1	900.8	1778.0	1065.9	-77.7	988.3
		-22.00	880.8	950.3	1831.1	1097.8	-77.7	1020.1
		-22.50	991.0	999.8	1990.8	1193.5	-77.7	1115.8
18	-4.40	-12.50	402.3	72.7	475.1	284.8	-64.7	220.1
		-13.00	337.4	120.5	457.9	274.5	-64.7	209.9
		-13.50	324.3	168.7	493.1	295.6	-64.7	230.9
		-14.00	295.6	212.5	508.1	304.6	-64.7	240.0
		-14.50	256.4	243.8	500.2	299.9	-64.7	235.2
		-15.00	234.0	279.7	513.6	307.9	-64.7	243.3
		-15.50	216.4	310.1	526.5	315.6	-64.7	251.0
		-16.00	219.9	331.2	551.1	330.4	-64.7	265.7
		-16.50	277.0	353.4	630.5	378.0	-64.7	313.3
		-17.00	428.9	384.5	813.4	487.7	-64.7	423.0
		-17.50	557.8	430.9	988.7	592.8	-64.7	528.1
		-18.00	455.9	480.4	936.3	561.3	-64.7	496.7
		-18.50	367.1	529.9	897.0	537.8	-64.7	473.1
		-19.00	306.6	573.8	880.4	527.8	-64.7	463.1
		-19.50	397.0	608.6	1005.6	602.9	-64.7	538.2
		-20.00	343.0	648.4	991.4	594.3	-64.7	529.7
		-20.50	402.8	685.1	1087.9	652.2	-64.7	587.5
		-21.00	510.3	727.5	1237.9	742.1	-64.7	677.5
		-21.50	489.4	777.0	1266.5	759.3	-64.7	694.6
		-22.00	461.4	826.5	1287.9	772.1	-64.7	707.5
		-22.50	740.5	876.0	1616.5	969.1	-64.7	904.5
19	-4.20	-12.50	378.6	99.0	477.6	286.3	-70.4	215.9
		-13.00	349.4	146.9	496.4	297.6	-70.4	227.2
		-13.50	329.6	189.4	519.1	311.2	-70.4	240.8
		-14.00	332.4	226.2	558.5	334.9	-70.4	264.4
		-14.50	312.1	265.8	577.9	346.5	-70.4	276.0
		-15.00	311.3	301.7	613.0	367.5	-70.4	297.1
		-15.50	320.0	337.2	657.2	394.0	-70.4	323.6
		-16.00	294.0	374.2	668.2	400.6	-70.4	330.2
		-16.50	284.8	409.4	694.3	416.2	-70.4	345.8
		-17.00	280.6	441.1	721.7	432.7	-70.4	362.2
		-17.50	713.8	475.0	1188.8	712.7	-70.4	642.3
		-18.00	732.5	524.5	1256.9	753.6	-70.4	683.1
		-18.50	589.7	573.9	1163.6	697.6	-70.4	627.2
		-19.00	478.6	623.4	1102.0	660.7	-70.4	590.2
		-19.50	346.9	671.7	1018.5	610.6	-70.4	540.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19	-4.20	-20.00	440.0	709.9	1149.9	689.4	-70.4	619.0
		-20.50	366.4	749.5	1115.9	669.0	-70.4	598.6
		-21.00	558.4	793.5	1351.9	810.5	-70.4	740.1
		-21.50	536.7	843.0	1379.7	827.2	-70.4	756.7
		-22.00	741.9	892.5	1634.4	979.9	-70.4	909.4
		-22.50	679.5	942.0	1621.5	972.1	-70.4	901.7



SAMENVATTINGSTABEL 350 o (n=1)

Uitgangspunten

- paal : 350
 - paaltype : Avegaarpaal
 - schachtafmeting : 350 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	313.6	50.3	363.9	218.2	-8.6	209.5
		-13.00	297.7	87.5	385.2	231.0	-8.6	222.3
		-13.50	290.1	127.1	417.3	250.2	-8.6	241.5
		-14.00	274.3	166.4	440.7	264.2	-8.6	255.6
		-14.50	251.6	195.0	446.6	267.7	-8.6	259.1
		-15.00	230.7	227.9	458.6	274.9	-8.6	266.3
		-15.50	211.0	261.6	472.6	283.3	-8.6	274.7
		-16.00	203.6	283.0	486.5	291.7	-8.6	283.0
		-16.50	273.9	302.4	576.3	345.5	-8.6	336.9
		-17.00	316.0	330.7	646.7	387.7	-8.6	379.1
		-17.50	377.8	366.3	744.1	446.1	-8.6	437.5
		-18.00	339.5	410.5	750.0	449.7	-8.6	441.0
		-18.50	279.2	454.7	733.9	440.0	-8.6	431.4
		-19.00	287.0	484.5	771.5	462.5	-8.6	453.9
		-19.50	271.3	517.5	788.7	472.9	-8.6	464.2
		-20.00	361.7	548.0	909.8	545.4	-8.6	536.8
		-20.50	333.1	587.5	920.6	551.9	-8.6	543.2
		-21.00	580.3	627.6	1207.8	724.1	-8.6	715.5
		-21.50	559.8	677.0	1236.8	741.5	-8.6	732.8
		-22.00	630.5	726.5	1357.0	813.6	-8.6	804.9
		-22.50	656.6	776.0	1432.6	858.9	-8.6	850.2
2 - Ontgraven tot	-8.36	-12.50	283.4	43.0	326.4	195.7	-9.6	186.1
		-13.00	257.2	77.2	334.4	200.5	-9.6	190.9
		-13.50	238.3	113.0	351.2	210.6	-9.6	201.0
		-14.00	230.6	145.2	375.8	225.3	-9.6	215.7
		-14.50	228.5	169.5	398.0	238.6	-9.6	229.1
		-15.00	237.2	191.6	428.8	257.1	-9.6	247.5
		-15.50	250.9	218.1	469.1	281.2	-9.6	271.7
		-16.00	245.1	245.2	490.3	293.9	-9.6	284.4
		-16.50	234.9	273.9	508.8	305.0	-9.6	295.5
		-17.00	233.7	297.1	530.8	318.2	-9.6	308.7
		-17.50	314.1	320.7	634.9	380.6	-9.6	371.1
		-18.00	289.7	358.9	648.6	388.8	-9.6	379.3
		-18.50	345.3	391.3	736.7	441.6	-9.6	432.1
		-19.00	341.4	429.5	770.9	462.2	-9.6	452.6
		-19.50	342.3	464.5	806.7	483.6	-9.6	474.1
		-20.00	319.6	503.5	823.0	493.4	-9.6	483.9
		-20.50	319.1	539.6	858.7	514.8	-9.6	505.3
		-21.00	598.1	576.5	1174.6	704.2	-9.6	694.6
		-21.50	648.8	626.0	1274.8	764.3	-9.6	754.7
		-22.00	617.2	675.4	1292.7	775.0	-9.6	765.4
		-22.50	606.2	724.9	1331.1	798.0	-9.6	788.5
3 - Ontgraven tot	-8.36	-12.50	328.0	48.6	376.6	225.8	-9.2	216.6
		-13.00	293.8	87.7	381.5	228.7	-9.2	219.5
		-13.50	244.9	127.3	372.1	223.1	-9.2	213.9
		-14.00	231.6	161.3	392.9	235.5	-9.2	226.3
		-14.50	222.5	189.3	411.8	246.9	-9.2	237.7
		-15.00	219.0	211.5	430.5	258.1	-9.2	248.9
		-15.50	219.0	232.5	451.5	270.7	-9.2	261.5
		-16.00	230.7	253.1	483.8	290.1	-9.2	280.9
		-16.50	219.1	277.9	497.0	298.0	-9.2	288.8
		-17.00	246.7	298.7	545.3	326.9	-9.2	317.8
		-17.50	379.4	325.8	705.3	422.8	-9.2	413.7
		-18.00	310.0	364.3	674.3	404.3	-9.2	395.1
		-18.50	269.3	403.8	673.1	403.6	-9.2	394.4
		-19.00	220.9	441.2	662.2	397.0	-9.2	387.8
		-19.50	219.0	466.0	684.9	410.6	-9.2	401.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	198.1	492.4	690.5	414.0	-9.2	404.8
		-20.50	396.2	511.5	907.7	544.2	-9.2	535.0
		-21.00	606.1	555.1	1161.2	696.1	-9.2	687.0
		-21.50	579.8	604.5	1184.3	710.0	-9.2	700.9
		-22.00	556.5	654.0	1210.5	725.7	-9.2	716.5
		-22.50	531.9	703.5	1235.4	740.6	-9.2	731.5
4 - Ontgraven tot	-8.36	-12.50	304.5	48.8	353.3	211.8	-8.8	203.0
		-13.00	298.9	88.3	387.2	232.1	-8.8	223.3
		-13.50	304.8	123.0	427.7	256.4	-8.8	247.6
		-14.00	342.3	156.7	499.0	299.1	-8.8	290.3
		-14.50	341.0	193.6	534.6	320.5	-8.8	311.7
		-15.00	342.2	230.2	572.5	343.2	-8.8	334.4
		-15.50	331.4	268.7	600.1	359.8	-8.8	350.9
		-16.00	426.4	308.3	734.7	440.5	-8.8	431.6
		-16.50	361.4	354.0	715.4	428.9	-8.8	420.0
		-17.00	309.7	394.2	704.0	422.0	-8.8	413.2
		-17.50	302.1	429.6	731.7	438.7	-8.8	429.8
		-18.00	245.2	469.2	714.4	428.3	-8.8	419.4
		-18.50	218.6	499.1	717.6	430.2	-8.8	421.4
		-19.00	323.1	522.5	845.6	507.0	-8.8	498.1
		-19.50	355.8	558.2	914.0	548.0	-8.8	539.1
		-20.00	384.9	596.2	981.1	588.2	-8.8	579.4
		-20.50	565.4	640.7	1206.0	723.0	-8.8	714.2
		-21.00	573.3	690.1	1263.5	757.5	-8.8	748.6
		-21.50	529.9	739.6	1269.6	761.1	-8.8	752.3
		-22.00	472.6	789.1	1261.7	756.4	-8.8	747.6
		-22.50	475.4	838.2	1313.6	787.5	-8.8	778.7
5 - Ontgraven tot	-8.36	-12.50	328.2	49.4	377.7	226.4	-8.6	217.8
		-13.00	308.2	87.5	395.7	237.2	-8.6	228.6
		-13.50	257.3	124.7	381.9	229.0	-8.6	220.3
		-14.00	235.6	162.7	398.3	238.8	-8.6	230.1
		-14.50	212.0	197.6	409.6	245.6	-8.6	236.9
		-15.00	211.0	218.2	429.2	257.3	-8.6	248.7
		-15.50	283.4	239.6	523.0	313.6	-8.6	304.9
		-16.00	275.5	272.8	548.2	328.7	-8.6	320.0
		-16.50	245.1	308.3	553.4	331.8	-8.6	323.1
		-17.00	287.7	333.7	621.4	372.6	-8.6	363.9
		-17.50	261.0	369.2	630.2	377.8	-8.6	369.2
		-18.00	239.0	405.8	644.8	386.6	-8.6	377.9
		-18.50	232.6	431.8	664.4	398.3	-8.6	389.6
		-19.00	233.1	454.0	687.1	411.9	-8.6	403.3
		-19.50	243.9	476.4	720.3	431.8	-8.6	423.2
		-20.00	333.4	500.7	834.1	500.0	-8.6	491.4
		-20.50	431.7	538.3	969.9	581.5	-8.6	572.9
		-21.00	750.6	585.5	1336.1	801.0	-8.6	792.4
		-21.50	739.8	635.0	1374.8	824.2	-8.6	815.6
		-22.00	662.7	684.5	1347.2	807.6	-8.6	799.0
		-22.50	652.1	734.0	1386.0	830.9	-8.6	822.3
6 - Ontgraven tot	-8.36	-12.50	340.2	46.9	387.1	232.1	-9.4	222.7
		-13.00	317.0	85.4	402.5	241.3	-9.4	231.9
		-13.50	254.1	123.6	377.7	226.4	-9.4	217.1
		-14.00	246.6	160.0	406.6	243.8	-9.4	234.4
		-14.50	223.8	194.9	418.7	251.0	-9.4	241.6
		-15.00	241.5	216.8	458.3	274.7	-9.4	265.4
		-15.50	291.0	245.5	536.5	321.6	-9.4	312.2
		-16.00	262.8	282.1	544.9	326.7	-9.4	317.3
		-16.50	254.9	314.9	569.8	341.6	-9.4	332.2
		-17.00	236.1	344.9	581.1	348.4	-9.4	339.0
		-17.50	281.9	368.8	650.7	390.1	-9.4	380.7
		-18.00	305.8	400.6	706.4	423.5	-9.4	414.1
		-18.50	337.9	432.2	770.2	461.7	-9.4	452.3
		-19.00	380.2	469.4	849.7	509.4	-9.4	500.0
		-19.50	379.9	509.0	888.9	532.9	-9.4	523.5
		-20.00	635.7	547.5	1183.2	709.3	-9.4	699.9
		-20.50	622.2	596.9	1219.1	730.9	-9.4	721.5
		-21.00	648.9	646.4	1295.3	776.6	-9.4	767.2
		-21.50	624.6	695.9	1320.4	791.6	-9.4	782.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	617.3	745.4	1362.6	816.9	-9.4	807.5
		-22.50	564.0	794.8	1358.9	814.7	-9.4	805.3
7 - Ontgraven tot	-8.36	-12.50	337.6	51.0	388.6	233.0	-9.4	223.6
		-13.00	345.6	89.4	435.0	260.8	-9.4	251.4
		-13.50	333.9	128.9	462.8	277.4	-9.4	268.0
		-14.00	306.0	166.4	472.4	283.2	-9.4	273.8
		-14.50	282.7	205.8	488.5	292.9	-9.4	283.5
		-15.00	262.0	241.5	503.5	301.8	-9.4	292.4
		-15.50	272.5	267.9	540.4	324.0	-9.4	314.6
		-16.00	262.8	299.4	562.1	337.0	-9.4	327.6
		-16.50	211.2	336.9	548.1	328.6	-9.4	319.2
		-17.00	221.0	356.6	577.6	346.3	-9.4	336.9
		-17.50	198.4	382.2	580.6	348.1	-9.4	338.7
		-18.00	230.3	406.0	636.3	381.5	-9.4	372.1
		-18.50	216.2	436.4	652.7	391.3	-9.4	381.9
		-19.00	212.2	459.7	671.9	402.8	-9.4	393.4
		-19.50	377.9	487.7	865.6	518.9	-9.4	509.5
		-20.00	345.9	527.3	873.2	523.5	-9.4	514.1
		-20.50	294.8	566.4	861.2	516.3	-9.4	506.9
		-21.00	504.9	597.6	1102.5	661.0	-9.4	651.6
		-21.50	599.9	645.2	1245.2	746.5	-9.4	737.1
		-22.00	681.7	694.7	1376.4	825.2	-9.4	815.8
8 - Ontgraven tot	-8.36	-12.50	278.6	47.7	326.3	195.6	-8.6	187.0
		-13.00	272.3	82.2	354.5	212.5	-8.6	203.9
		-13.50	237.5	121.7	359.2	215.3	-8.6	206.7
		-14.00	212.3	153.5	365.8	219.3	-8.6	210.6
		-14.50	196.0	178.4	374.4	224.4	-8.6	215.8
		-15.00	189.5	199.9	389.4	233.4	-8.6	224.8
		-15.50	184.0	218.0	402.0	241.0	-8.6	232.4
		-16.00	203.7	234.8	438.5	262.9	-8.6	254.3
		-16.50	215.0	254.8	469.8	281.6	-8.6	273.0
		-17.00	187.7	280.9	468.6	280.9	-8.6	272.3
		-17.50	172.5	304.8	477.3	286.2	-8.6	277.5
		-18.00	166.1	322.5	488.6	292.9	-8.6	284.3
		-18.50	167.1	336.8	503.9	302.1	-8.6	293.5
		-19.00	197.6	351.8	549.4	329.4	-8.6	320.7
		-19.50	313.4	371.0	684.4	410.3	-8.6	401.7
		-20.00	455.3	409.2	864.5	518.3	-8.6	509.6
		-20.50	562.5	456.6	1019.1	611.0	-8.6	602.3
		-21.00	651.9	506.1	1158.1	694.3	-8.6	685.6
		-21.50	654.9	555.6	1210.5	725.7	-8.6	717.1
		-22.00	601.9	605.1	1207.0	723.6	-8.6	715.0
		-22.50	753.7	654.6	1408.3	844.3	-8.6	835.7
9 - Ontgraven tot	-8.36	-12.50	340.6	48.0	388.6	233.0	-9.2	223.8
		-13.00	316.7	86.8	403.5	241.9	-9.2	232.7
		-13.50	257.9	124.9	382.9	229.5	-9.2	220.4
		-14.00	244.1	163.3	407.5	244.3	-9.2	235.1
		-14.50	222.4	194.9	417.3	250.2	-9.2	241.0
		-15.00	209.9	218.9	428.7	257.0	-9.2	247.9
		-15.50	197.3	241.6	438.9	263.1	-9.2	253.9
		-16.00	185.6	261.9	447.5	268.3	-9.2	259.1
		-16.50	183.2	279.9	463.1	277.6	-9.2	268.4
		-17.00	179.4	297.0	476.4	285.6	-9.2	276.4
		-17.50	187.2	313.8	501.1	300.4	-9.2	291.2
		-18.00	179.6	332.4	511.9	306.9	-9.2	297.7
		-18.50	229.8	348.1	577.9	346.5	-9.2	337.3
		-19.00	238.5	372.2	610.7	366.2	-9.2	357.0
		-19.50	465.7	407.9	873.6	523.8	-9.2	514.6
		-20.00	437.4	457.4	894.8	536.4	-9.2	527.3
		-20.50	408.2	505.8	913.9	547.9	-9.2	538.7
		-21.00	575.4	552.0	1127.4	675.9	-9.2	666.7
		-21.50	672.4	601.5	1273.9	763.7	-9.2	754.5
		-22.00	661.8	651.0	1312.7	787.0	-9.2	777.8
		-22.50	616.4	700.4	1316.9	789.5	-9.2	780.3
10 - Ontgraven tot	-8.36	-12.50	275.3	40.8	316.2	189.5	-9.2	180.4
		-13.00	272.3	77.1	349.4	209.4	-9.2	200.3
		-13.50	263.7	113.6	377.3	226.2	-9.2	217.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuikdraagvermogen			Rekenwaarden		
	niveau	niveau	R _{b;cal} [kN]	R _{s;cal} [kN]	R _{c;cal} [kN]	R _{c;d} [kN]	F _{nk;d} [kN]	R _{c;netto;d} [kN]
10 - Ontgraven tot	-8.36	-14.00	275.8	140.8	416.7	249.8	-9.2	240.6
		-14.50	297.2	172.3	469.5	281.5	-9.2	272.3
		-15.00	243.4	206.8	450.2	269.9	-9.2	260.7
		-15.50	233.2	239.5	472.7	283.4	-9.2	274.2
		-16.00	210.8	268.5	479.3	287.4	-9.2	278.2
		-16.50	256.7	289.1	545.8	327.2	-9.2	318.0
		-17.00	237.8	322.6	560.4	336.0	-9.2	326.8
		-17.50	249.1	345.8	594.9	356.6	-9.2	347.5
		-18.00	378.2	376.3	754.5	452.3	-9.2	443.2
		-18.50	297.2	415.9	713.1	427.5	-9.2	418.3
		-19.00	241.1	451.5	692.5	415.2	-9.2	406.0
		-19.50	286.2	474.9	761.1	456.3	-9.2	447.1
		-20.00	323.2	505.3	828.5	496.7	-9.2	487.5
		-20.50	349.5	540.4	889.9	533.5	-9.2	524.3
		-21.00	430.7	576.6	1007.3	603.9	-9.2	594.7
		-21.50	633.5	623.6	1257.1	753.7	-9.2	744.5
		-22.00	742.7	673.1	1415.8	848.8	-9.2	839.6
		-22.50	664.2	722.6	1386.8	831.4	-9.2	822.3
11 - Ontgraven tot	-8.36	-12.50	277.5	35.0	312.5	187.4	-9.2	178.2
		-13.00	251.1	69.8	320.9	192.4	-9.2	183.2
		-13.50	211.0	109.0	320.0	191.9	-9.2	182.7
		-14.00	205.2	138.1	343.3	205.8	-9.2	196.6
		-14.50	190.8	163.4	354.3	212.4	-9.2	203.2
		-15.00	203.1	180.5	383.6	230.0	-9.2	220.8
		-15.50	419.5	203.0	622.6	373.2	-9.2	364.1
		-16.00	365.5	242.2	607.7	364.3	-9.2	355.1
		-16.50	333.9	281.8	615.6	369.1	-9.2	359.9
		-17.00	309.8	320.2	630.0	377.7	-9.2	368.5
		-17.50	270.8	354.5	625.3	374.9	-9.2	365.7
		-18.00	243.0	392.8	635.9	381.2	-9.2	372.0
		-18.50	227.6	421.3	648.9	389.0	-9.2	379.8
		-19.00	251.1	443.6	694.7	416.5	-9.2	407.3
		-19.50	330.7	469.4	800.1	479.7	-9.2	470.5
		-20.00	736.8	508.5	1245.3	746.6	-9.2	737.4
		-20.50	788.0	558.0	1346.1	807.0	-9.2	797.8
		-21.00	751.3	607.5	1358.8	814.6	-9.2	805.4
		-21.50	653.0	657.0	1310.0	785.3	-9.2	776.2
		-22.00	603.5	706.5	1310.0	785.4	-9.2	776.2
		-22.50	571.6	755.9	1327.6	795.9	-9.2	786.7
12 - Ontgraven tot	-8.36	-12.50	331.5	42.9	374.4	224.5	-8.6	215.8
		-13.00	313.0	81.0	394.0	236.2	-8.6	227.6
		-13.50	284.8	120.6	405.4	243.0	-8.6	234.4
		-14.00	279.3	156.5	435.8	261.3	-8.6	252.6
		-14.50	277.6	185.8	463.5	277.9	-8.6	269.2
		-15.00	327.0	217.9	544.9	326.7	-8.6	318.0
		-15.50	291.6	257.5	549.1	329.2	-8.6	320.5
		-16.00	266.1	288.8	555.0	332.7	-8.6	324.1
		-16.50	258.8	321.7	580.5	348.1	-8.6	339.4
		-17.00	240.7	352.8	593.5	355.8	-8.6	347.2
		-17.50	248.5	376.5	625.1	374.7	-8.6	366.1
		-18.00	225.0	406.9	631.9	378.8	-8.6	370.2
		-18.50	290.9	430.9	721.8	432.7	-8.6	424.1
		-19.00	306.0	463.4	769.4	461.3	-8.6	452.6
		-19.50	339.9	497.9	837.7	502.2	-8.6	493.6
		-20.00	358.1	534.6	892.7	535.2	-8.6	526.5
		-20.50	349.9	573.1	923.0	553.3	-8.6	544.7
		-21.00	370.3	609.7	980.0	587.5	-8.6	578.9
		-21.50	372.2	649.2	1021.4	612.4	-8.6	603.7
		-22.00	528.1	693.6	1221.7	732.4	-8.6	723.8
		-22.50	511.4	743.1	1254.5	752.1	-8.6	743.5
13 - Ontgraven tot	-8.36	-12.50	265.7	46.1	311.8	186.9	-8.6	178.3
		-13.00	225.9	85.0	310.9	186.4	-8.6	177.8
		-13.50	218.1	120.6	338.8	203.1	-8.6	194.4
		-14.00	217.1	146.6	363.8	218.1	-8.6	209.4
		-14.50	247.4	169.3	416.8	249.9	-8.6	241.2
		-15.00	240.5	195.1	435.6	261.1	-8.6	252.5
		-15.50	319.1	221.1	540.2	323.9	-8.6	315.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.00	318.4	257.0	575.4	345.0	-8.6	336.3
		-16.50	298.3	294.0	592.2	355.0	-8.6	346.4
		-17.00	311.3	325.8	637.1	382.0	-8.6	373.3
		-17.50	295.9	363.6	659.5	395.4	-8.6	386.7
		-18.00	289.1	395.8	684.9	410.6	-8.6	402.0
		-18.50	320.3	425.0	745.2	446.8	-8.6	438.1
		-19.00	389.6	459.2	848.7	508.8	-8.6	500.2
		-19.50	375.3	498.8	874.1	524.0	-8.6	515.4
		-20.00	374.4	538.0	912.4	547.0	-8.6	538.4
		-20.50	402.5	578.2	980.7	588.0	-8.6	579.3
		-21.00	394.0	619.2	1013.2	607.4	-8.6	598.8
		-21.50	510.0	661.1	1171.1	702.1	-8.6	693.5
		-22.00	749.3	710.4	1459.7	875.1	-8.6	866.5
		-22.50	732.4	759.9	1492.3	894.6	-8.6	886.0
14 - Ontgraven tot	-8.36	-12.50	260.7	49.8	310.5	186.1	-8.6	177.5
		-13.00	254.3	89.0	343.3	205.8	-8.6	197.2
		-13.50	234.1	126.5	360.5	216.2	-8.6	207.5
		-14.00	239.2	152.6	391.8	234.9	-8.6	226.2
		-14.50	218.6	181.4	399.9	239.8	-8.6	231.1
		-15.00	253.3	206.8	460.0	275.8	-8.6	267.2
		-15.50	369.5	234.1	603.6	361.9	-8.6	353.2
		-16.00	346.3	273.1	619.4	371.4	-8.6	362.7
		-16.50	289.3	312.5	601.8	360.8	-8.6	352.2
		-17.00	313.9	342.3	656.2	393.4	-8.6	384.8
		-17.50	312.1	376.1	688.2	412.6	-8.6	404.0
		-18.00	311.7	411.6	723.3	433.6	-8.6	425.0
		-18.50	416.9	445.8	862.7	517.2	-8.6	508.6
		-19.00	211.4	490.7	702.1	420.9	-8.6	412.3
		-19.50	189.3	535.5	724.8	434.5	-8.6	425.9
		-20.00	111.9	575.4	687.3	412.1	-8.6	403.4
		-20.50	230.7	599.1	829.9	497.5	-8.6	488.9
		-21.00	252.5	630.9	883.5	529.7	-8.6	521.0
		-21.50	233.3	669.6	902.9	541.3	-8.6	532.6
		-22.00	227.3	697.5	924.8	554.5	-8.6	545.8
		-22.50	610.2	731.6	1341.8	804.5	-8.6	795.8
15 - Ontgraven tot	-8.36	-12.50	280.8	69.9	350.7	210.2	-7.3	202.9
		-13.00	261.7	108.8	370.5	222.1	-7.3	214.8
		-13.50	271.7	137.9	409.6	245.6	-7.3	238.3
		-14.00	248.2	172.1	420.3	252.0	-7.3	244.7
		-14.50	292.5	201.3	493.8	296.0	-7.3	288.7
		-15.00	274.0	237.7	511.7	306.7	-7.3	299.4
		-15.50	272.8	266.9	539.7	323.6	-7.3	316.3
		-16.00	394.1	299.4	693.5	415.8	-7.3	408.5
		-16.50	439.6	339.3	778.8	466.9	-7.3	459.6
		-17.00	384.0	382.3	766.3	459.4	-7.3	452.1
		-17.50	323.6	425.6	749.3	449.2	-7.3	441.9
		-18.00	303.5	469.2	772.7	463.3	-7.3	456.0
		-18.50	255.2	507.8	763.0	457.4	-7.3	450.1
		-19.00	308.0	535.5	843.5	505.7	-7.3	498.4
		-19.50	293.7	573.6	867.3	520.0	-7.3	512.7
		-20.00	294.3	607.2	901.5	540.5	-7.3	533.2
		-20.50	275.0	638.1	913.1	547.4	-7.3	540.1
		-21.00	264.7	673.9	938.6	562.7	-7.3	555.4
		-21.50	218.8	706.4	925.1	554.6	-7.3	547.3
		-22.00	530.2	728.7	1258.8	754.7	-7.3	747.4
		-22.50	629.8	777.7	1407.5	843.8	-7.3	836.5
16 - Ontgraven tot	-8.36	-12.50	270.1	57.6	327.7	196.5	-7.4	189.1
		-13.00	227.6	97.2	324.8	194.7	-7.4	187.3
		-13.50	225.9	127.7	353.6	212.0	-7.4	204.6
		-14.00	220.1	155.1	375.2	224.9	-7.4	217.5
		-14.50	230.6	177.5	408.1	244.6	-7.4	237.2
		-15.00	232.9	200.5	433.4	259.8	-7.4	252.4
		-15.50	344.2	227.3	571.4	342.6	-7.4	335.2
		-16.00	376.9	264.7	641.6	384.7	-7.4	377.2
		-16.50	340.2	304.1	644.3	386.3	-7.4	378.8
		-17.00	278.8	343.6	622.4	373.2	-7.4	365.7
		-17.50	249.4	382.3	631.7	378.7	-7.4	371.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	264.7	407.2	671.9	402.8	-7.4	395.4
		-18.50	427.5	436.0	863.4	517.6	-7.4	510.2
		-19.00	390.2	477.7	867.9	520.3	-7.4	512.9
		-19.50	385.6	520.3	905.9	543.1	-7.4	535.7
		-20.00	355.4	562.3	917.8	550.2	-7.4	542.8
		-20.50	347.9	600.4	948.3	568.6	-7.4	561.1
		-21.00	332.7	638.7	971.4	582.4	-7.4	574.9
		-21.50	823.2	680.4	1503.7	901.5	-7.4	894.1
		-22.00	654.8	729.9	1384.7	830.2	-7.4	822.8
		-22.50	433.0	779.4	1212.3	726.8	-7.4	719.4
17 - Ontgraven tot	-8.36	-12.50	295.4	53.9	349.3	209.4	-8.1	201.3
		-13.00	274.3	92.1	366.4	219.7	-8.1	211.6
		-13.50	256.4	129.5	385.9	231.4	-8.1	223.2
		-14.00	252.5	161.3	413.8	248.1	-8.1	239.9
		-14.50	245.9	190.2	436.1	261.4	-8.1	253.3
		-15.00	283.1	217.0	500.2	299.9	-8.1	291.8
		-15.50	348.6	246.8	595.4	357.0	-8.1	348.8
		-16.00	371.8	283.6	655.4	392.9	-8.1	384.8
		-16.50	361.5	322.7	684.3	410.2	-8.1	402.1
		-17.00	393.1	363.3	756.3	453.4	-8.1	445.3
		-17.50	388.6	406.4	794.9	476.6	-8.1	468.5
		-18.00	374.1	448.0	822.1	492.8	-8.1	484.7
		-18.50	458.9	487.0	945.8	567.0	-8.1	558.9
		-19.00	404.9	526.8	931.7	558.6	-8.1	550.4
		-19.50	454.5	566.5	1021.1	612.1	-8.1	604.0
		-20.00	442.2	606.3	1048.5	628.6	-8.1	620.5
		-20.50	443.2	645.6	1088.8	652.7	-8.1	644.6
		-21.00	638.9	687.9	1326.8	795.5	-8.1	787.3
		-21.50	779.4	736.7	1516.1	908.9	-8.1	900.8
		-22.00	783.7	786.2	1569.9	941.2	-8.1	933.1
		-22.50	887.7	835.7	1723.4	1033.2	-8.1	1025.1
18 - Ontgraven tot	-8.36	-12.50	303.5	47.0	350.4	210.1	-8.6	201.5
		-13.00	262.8	83.7	346.6	207.8	-8.6	199.1
		-13.50	258.7	122.7	381.4	228.7	-8.6	220.0
		-14.00	240.4	156.4	396.8	237.9	-8.6	229.2
		-14.50	218.6	180.7	399.3	239.4	-8.6	230.7
		-15.00	202.0	209.5	411.5	246.7	-8.6	238.0
		-15.50	187.8	234.1	421.9	253.0	-8.6	244.3
		-16.00	191.7	251.5	443.1	265.7	-8.6	257.0
		-16.50	241.3	270.0	511.3	306.5	-8.6	297.9
		-17.00	372.3	296.2	668.4	400.7	-8.6	392.1
		-17.50	490.5	340.4	830.9	498.2	-8.6	489.5
		-18.00	404.1	389.9	794.0	476.0	-8.6	467.3
		-18.50	327.4	439.4	766.8	459.7	-8.6	451.1
		-19.00	275.3	481.5	756.8	453.7	-8.6	445.1
		-19.50	358.4	514.8	873.2	523.5	-8.6	514.9
		-20.00	309.6	553.8	863.4	517.6	-8.6	509.0
		-20.50	365.0	588.2	953.2	571.5	-8.6	562.8
		-21.00	464.9	627.5	1092.3	654.9	-8.6	646.2
		-21.50	446.0	673.5	1119.5	671.1	-8.6	662.5
		-22.00	421.6	719.4	1141.0	684.1	-8.6	675.4
		-22.50	675.8	766.5	1442.2	864.6	-8.6	856.0
19 - Ontgraven tot	-8.36	-12.50	278.4	64.0	342.4	205.3	-8.1	197.2
		-13.00	227.7	103.6	366.3	219.6	-8.1	211.5
		-13.50	254.1	135.2	389.3	233.4	-8.1	225.3
		-14.00	270.2	162.8	433.0	259.6	-8.1	251.5
		-14.50	256.5	198.3	454.7	272.6	-8.1	264.5
		-15.00	257.4	226.8	484.2	290.3	-8.1	282.2
		-15.50	272.6	259.0	531.6	318.7	-8.1	310.6
		-16.00	252.8	290.7	543.5	325.8	-8.1	317.7
		-16.50	246.0	319.6	565.6	339.1	-8.1	331.0
		-17.00	243.2	345.8	589.0	353.1	-8.1	345.0
		-17.50	613.2	375.4	988.6	592.7	-8.1	584.6
		-18.00	634.2	424.9	1059.1	635.0	-8.1	626.8
		-18.50	517.1	474.4	991.5	594.4	-8.1	586.3
		-19.00	422.8	523.9	946.7	567.6	-8.1	559.4
		-19.50	308.8	570.4	879.2	527.1	-8.1	519.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezwijk draagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	393.1	605.5	998.6	598.7	-8.1	590.5
		-20.50	328.9	645.0	973.9	583.9	-8.1	575.7
		-21.00	502.2	686.2	1188.4	712.5	-8.1	704.4
		-21.50	483.5	735.7	1219.2	731.0	-8.1	722.8
		-22.00	667.9	784.7	1452.6	870.9	-8.1	862.7
		-22.50	617.8	834.2	1452.0	870.5	-8.1	862.4

REKENGEDEGEVENS 400 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 400
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 400

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50

**SAMENVATTINGSTABEL 400 o (n=1)****Uitgangspunten**

- paal : 400
- paaltype : Avegaarpaal
- schachtafmeting : 400 mm
Paalklassefactor α_p : 0.56
Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	409.8	57.5	467.3	280.2	-9.9	270.3
		-13.00	374.8	100.0	474.8	284.7	-9.9	274.8
		-13.50	372.9	145.3	518.2	310.7	-9.9	300.8
		-14.00	351.8	190.2	542.0	324.9	-9.9	315.0
		-14.50	319.3	222.8	542.1	325.0	-9.9	315.1
		-15.00	302.5	260.5	563.0	337.5	-9.9	327.7
		-15.50	275.6	299.0	574.6	344.5	-9.9	334.6
		-16.00	266.3	323.4	589.7	353.5	-9.9	343.6
		-16.50	361.0	345.6	706.7	423.7	-9.9	413.8
		-17.00	417.2	378.0	795.2	476.8	-9.9	466.9
		-17.50	475.2	418.7	893.8	535.9	-9.9	526.0
		-18.00	431.1	469.2	900.3	539.7	-9.9	529.8
		-18.50	364.7	519.6	884.4	530.2	-9.9	520.3
		-19.00	374.8	553.7	928.6	556.7	-9.9	546.8
		-19.50	353.9	591.4	945.3	566.7	-9.9	556.8
		-20.00	472.5	626.3	1098.8	658.7	-9.9	648.9
		-20.50	438.5	671.4	1109.9	665.4	-9.9	655.5
		-21.00	757.9	717.2	1475.1	884.4	-9.9	874.5
		-21.50	732.2	773.8	1506.0	902.9	-9.9	893.0
		-22.00	823.5	830.3	1653.8	991.5	-9.9	981.6
		-22.50	878.2	886.9	1765.1	1058.2	-9.9	1048.3
2 - Ontgraven tot	-8.36	-12.50	346.3	49.2	395.5	237.1	-10.9	226.2
		-13.00	324.5	88.2	412.7	247.4	-10.9	236.5
		-13.50	300.6	129.1	429.7	257.6	-10.9	246.7
		-14.00	294.6	165.9	460.5	276.1	-10.9	265.1
		-14.50	297.4	193.8	491.2	294.5	-10.9	283.5
		-15.00	319.4	219.0	538.4	322.8	-10.9	311.9
		-15.50	323.2	249.3	572.5	343.2	-10.9	332.3
		-16.00	320.3	280.2	600.4	360.0	-10.9	349.1
		-16.50	306.8	313.0	619.8	371.6	-10.9	360.7
		-17.00	307.0	339.5	646.5	387.6	-10.9	376.7
		-17.50	410.3	366.5	776.8	465.7	-10.9	454.8
		-18.00	378.4	410.1	788.5	472.7	-10.9	461.8
		-18.50	450.3	447.2	897.6	538.1	-10.9	527.2
		-19.00	446.0	490.9	936.8	561.6	-10.9	550.7
		-19.50	446.7	530.8	977.5	586.0	-10.9	575.1
		-20.00	431.4	575.4	1006.8	603.6	-10.9	592.7
		-20.50	416.8	616.7	1033.5	619.6	-10.9	608.7
		-21.00	796.4	658.8	1455.3	872.5	-10.9	861.5
		-21.50	836.2	715.4	1551.6	930.2	-10.9	919.3
		-22.00	806.2	771.9	1578.1	946.1	-10.9	935.2
		-22.50	791.8	828.5	1620.3	971.4	-10.9	960.5
3 - Ontgraven tot	-8.36	-12.50	408.7	55.6	464.3	278.3	-10.5	267.8
		-13.00	358.0	100.2	458.2	274.7	-10.5	264.2
		-13.50	308.2	145.4	453.6	272.0	-10.5	261.5
		-14.00	293.8	184.3	478.1	286.6	-10.5	276.2
		-14.50	289.6	216.3	505.9	303.3	-10.5	292.8
		-15.00	287.0	241.7	528.7	317.0	-10.5	306.5
		-15.50	286.0	265.7	551.8	330.8	-10.5	320.3
		-16.00	301.4	289.3	590.6	354.1	-10.5	343.6
		-16.50	286.9	317.5	604.4	362.4	-10.5	351.9
		-17.00	327.4	341.4	668.8	400.9	-10.5	390.5
		-17.50	451.7	372.4	824.1	494.0	-10.5	483.6
		-18.00	400.5	416.3	816.8	489.7	-10.5	479.2
		-18.50	332.4	461.5	793.9	476.0	-10.5	465.5
		-19.00	289.0	504.3	793.2	475.6	-10.5	465.1
		-19.50	286.0	532.5	818.5	490.7	-10.5	480.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	258.7	562.7	821.4	492.4	-10.5	482.0
		-20.50	517.5	584.5	1102.0	660.7	-10.5	650.2
		-21.00	767.7	634.4	1402.0	840.6	-10.5	830.1
		-21.50	757.3	690.9	1448.2	868.2	-10.5	857.7
		-22.00	726.8	747.4	1474.3	883.9	-10.5	873.4
		-22.50	712.4	804.0	1516.4	909.1	-10.5	898.6
4 - Ontgraven tot	-8.36	-12.50	394.1	55.8	449.9	269.7	-10.1	259.7
		-13.00	385.0	100.9	485.8	291.3	-10.1	281.2
		-13.50	395.2	140.5	535.7	321.2	-10.1	311.1
		-14.00	439.4	179.1	618.5	370.8	-10.1	360.7
		-14.50	445.3	221.3	666.5	399.6	-10.1	389.5
		-15.00	447.0	263.1	710.1	425.7	-10.1	415.6
		-15.50	440.6	307.1	747.6	448.2	-10.1	438.1
		-16.00	562.8	352.3	915.2	548.7	-10.1	538.6
		-16.50	472.0	404.5	876.6	525.5	-10.1	515.4
		-17.00	409.3	450.6	859.9	515.5	-10.1	505.4
		-17.50	397.2	490.9	888.2	532.5	-10.1	522.4
		-18.00	320.3	536.2	856.4	513.4	-10.1	503.4
		-18.50	286.8	570.4	857.2	513.9	-10.1	503.8
		-19.00	422.0	597.2	1019.2	611.0	-10.1	600.9
		-19.50	464.8	637.9	1102.7	661.1	-10.1	651.0
		-20.00	541.1	681.4	1222.5	732.9	-10.1	722.8
		-20.50	744.8	732.2	1477.0	885.5	-10.1	875.4
		-21.00	727.7	788.7	1516.4	909.1	-10.1	899.0
		-21.50	697.6	845.3	1542.9	925.0	-10.1	914.9
		-22.00	617.3	901.8	1519.1	910.7	-10.1	900.6
		-22.50	633.7	957.9	1591.6	954.2	-10.1	944.1
5 - Ontgraven tot	-8.36	-12.50	429.6	56.5	486.1	291.4	-9.9	281.5
		-13.00	358.3	100.0	458.2	274.7	-9.9	264.8
		-13.50	318.2	142.5	460.7	276.2	-9.9	266.3
		-14.00	301.4	185.9	487.3	292.2	-9.9	282.3
		-14.50	276.9	225.8	502.7	301.4	-9.9	291.5
		-15.00	275.6	249.4	525.0	314.7	-9.9	304.8
		-15.50	370.1	273.9	644.0	386.1	-9.9	376.2
		-16.00	359.8	311.8	671.5	402.6	-9.9	392.7
		-16.50	320.5	352.4	672.8	403.4	-9.9	393.5
		-17.00	366.0	381.4	747.3	448.0	-9.9	438.2
		-17.50	335.3	421.9	757.2	454.0	-9.9	444.1
		-18.00	312.6	463.8	776.4	465.5	-9.9	455.6
		-18.50	303.8	493.5	797.2	478.0	-9.9	468.1
		-19.00	305.0	518.9	823.9	493.9	-9.9	484.0
		-19.50	318.7	544.5	863.2	517.5	-9.9	507.6
		-20.00	436.7	572.2	1008.9	604.9	-9.9	595.0
		-20.50	582.9	615.2	1198.1	718.3	-9.9	708.4
		-21.00	980.4	669.2	1649.5	988.9	-9.9	979.0
		-21.50	912.8	725.7	1638.5	982.3	-9.9	972.4
		-22.00	867.1	782.3	1649.3	988.8	-9.9	978.9
		-22.50	851.7	838.8	1690.5	1013.5	-9.9	1003.6
6 - Ontgraven tot	-8.36	-12.50	411.7	53.6	465.3	278.9	-10.7	268.2
		-13.00	367.5	97.7	465.2	278.9	-10.7	268.2
		-13.50	319.1	141.2	460.3	276.0	-10.7	265.2
		-14.00	315.4	182.9	498.3	298.7	-10.7	288.0
		-14.50	291.5	222.8	514.3	308.3	-10.7	297.6
		-15.00	320.2	247.7	568.0	340.5	-10.7	329.8
		-15.50	361.4	280.6	641.9	384.9	-10.7	374.1
		-16.00	343.8	322.4	666.2	399.4	-10.7	388.7
		-16.50	332.9	359.9	692.8	415.4	-10.7	404.6
		-17.00	308.6	394.2	702.8	421.3	-10.7	410.6
		-17.50	369.2	421.5	790.7	474.0	-10.7	463.3
		-18.00	399.4	457.8	857.2	513.9	-10.7	503.2
		-18.50	446.6	494.0	940.6	563.9	-10.7	553.1
		-19.00	496.6	536.5	1033.1	619.4	-10.7	608.6
		-19.50	496.1	581.7	1077.9	646.2	-10.7	635.5
		-20.00	830.2	625.7	1456.0	872.9	-10.7	862.2
		-20.50	812.7	682.2	1494.9	896.2	-10.7	885.5
		-21.00	849.7	738.7	1588.5	952.3	-10.7	941.6
		-21.50	815.7	795.3	1611.0	965.8	-10.7	955.1



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	806.2	851.8	1658.1	994.0	-10.7	983.3
		-22.50	736.7	908.4	1645.1	986.3	-10.7	975.5
7 - Ontgraven tot	-8.36	-12.50	439.9	58.3	498.2	298.7	-10.7	287.9
		-13.00	445.8	102.2	548.0	328.5	-10.7	317.8
		-13.50	420.7	147.3	568.0	340.5	-10.7	329.8
		-14.00	387.8	190.1	578.0	346.5	-10.7	335.8
		-14.50	368.9	235.3	604.2	362.2	-10.7	351.5
		-15.00	342.2	276.0	618.2	370.6	-10.7	359.9
		-15.50	359.0	306.1	665.1	398.7	-10.7	388.0
		-16.00	323.8	342.1	665.9	399.2	-10.7	388.5
		-16.50	275.9	385.0	660.9	396.2	-10.7	385.5
		-17.00	288.7	407.6	696.2	417.4	-10.7	406.7
		-17.50	262.5	436.8	699.3	419.3	-10.7	408.5
		-18.00	300.8	464.0	764.8	458.5	-10.7	447.8
		-18.50	282.4	498.8	781.2	468.3	-10.7	457.6
		-19.00	289.5	525.4	814.9	488.6	-10.7	477.8
		-19.50	489.9	557.3	1047.2	627.8	-10.7	617.1
		-20.00	451.8	602.6	1054.4	632.1	-10.7	621.4
		-20.50	385.0	647.3	1032.3	618.9	-10.7	608.2
		-21.00	695.5	683.0	1378.5	826.4	-10.7	815.7
		-21.50	787.0	737.4	1524.4	913.9	-10.7	903.1
		-22.00	890.4	793.9	1684.3	1009.8	-10.7	999.1
8 - Ontgraven tot	-8.36	-12.50	364.7	54.5	419.2	251.3	-9.9	241.4
		-13.00	334.5	94.0	428.4	256.9	-9.9	247.0
		-13.50	291.7	139.1	430.8	258.3	-9.9	248.4
		-14.00	261.4	175.4	436.8	261.9	-9.9	252.0
		-14.50	255.4	203.9	459.3	275.4	-9.9	265.5
		-15.00	247.5	228.4	475.9	285.3	-9.9	275.4
		-15.50	241.3	249.2	490.5	294.1	-9.9	284.2
		-16.00	269.6	268.4	538.0	322.5	-9.9	312.7
		-16.50	269.0	291.2	560.2	335.8	-9.9	326.0
		-17.00	238.7	321.0	559.7	335.6	-9.9	325.7
		-17.50	225.3	348.3	573.7	343.9	-9.9	334.0
		-18.00	217.0	368.6	585.5	351.0	-9.9	341.1
		-18.50	220.0	385.0	605.0	362.7	-9.9	352.8
		-19.00	259.4	402.1	661.5	396.6	-9.9	386.7
		-19.50	421.1	424.0	845.1	506.7	-9.9	496.8
		-20.00	594.7	467.6	1062.3	636.9	-9.9	627.0
		-20.50	738.7	521.9	1260.6	755.8	-9.9	745.9
		-21.00	851.5	578.4	1429.9	857.3	-9.9	847.4
		-21.50	855.4	635.0	1490.4	893.5	-9.9	883.6
		-22.00	786.2	691.5	1477.7	885.9	-9.9	876.0
		-22.50	968.3	748.1	1716.4	1029.0	-9.9	1019.1
9 - Ontgraven tot	-8.36	-12.50	413.2	54.9	468.1	280.6	-10.5	270.1
		-13.00	376.8	99.2	476.0	285.4	-10.5	274.9
		-13.50	327.5	142.8	470.3	281.9	-10.5	271.4
		-14.00	308.8	186.7	495.4	297.0	-10.5	286.5
		-14.50	282.7	222.8	505.4	303.0	-10.5	292.5
		-15.00	272.6	250.2	522.7	313.4	-10.5	302.9
		-15.50	247.7	276.1	523.8	314.0	-10.5	303.6
		-16.00	242.4	299.3	541.7	324.8	-10.5	314.3
		-16.50	239.2	319.9	559.1	335.2	-10.5	324.7
		-17.00	235.7	339.4	575.1	344.8	-10.5	334.3
		-17.50	244.6	358.7	603.2	361.6	-10.5	351.1
		-18.00	234.8	379.9	614.6	368.5	-10.5	358.0
		-18.50	298.2	397.8	696.0	417.3	-10.5	406.8
		-19.00	337.8	425.4	763.2	457.6	-10.5	447.1
		-19.50	607.7	466.2	1074.0	643.9	-10.5	633.4
		-20.00	571.3	522.8	1094.0	655.9	-10.5	645.4
		-20.50	537.1	578.0	1115.2	668.6	-10.5	658.1
		-21.00	757.3	630.8	1388.1	832.2	-10.5	821.7
		-21.50	878.3	687.4	1565.6	938.6	-10.5	928.1
		-22.00	864.3	743.9	1608.3	964.2	-10.5	953.7
		-22.50	805.1	800.5	1605.6	962.6	-10.5	952.1
10 - Ontgraven tot	-8.36	-12.50	350.0	46.7	396.6	237.8	-10.5	227.3
		-13.00	350.3	88.1	438.4	262.8	-10.5	252.3
		-13.50	338.3	129.8	468.1	280.7	-10.5	270.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.00	355.2	160.9	516.2	309.4	-10.5	299.0
		-14.50	346.2	196.9	543.0	325.6	-10.5	315.1
		-15.00	318.3	236.4	554.7	332.5	-10.5	322.0
		-15.50	304.6	273.7	578.3	346.7	-10.5	336.2
		-16.00	275.3	306.9	582.2	349.0	-10.5	338.5
		-16.50	335.2	330.4	665.7	399.1	-10.5	388.6
		-17.00	310.5	368.7	679.3	407.2	-10.5	396.7
		-17.50	335.2	395.2	730.3	437.9	-10.5	427.4
		-18.00	473.8	430.0	903.9	541.9	-10.5	531.4
		-18.50	393.4	475.3	868.6	520.8	-10.5	510.3
		-19.00	314.9	516.0	830.8	498.1	-10.5	487.6
		-19.50	373.9	542.7	916.6	549.5	-10.5	539.0
		-20.00	422.2	577.5	999.7	599.3	-10.5	588.9
		-20.50	456.4	617.6	1074.1	643.9	-10.5	633.4
		-21.00	583.0	659.0	1242.0	744.6	-10.5	734.1
		-21.50	826.9	712.7	1539.6	923.0	-10.5	912.5
		-22.00	918.0	769.3	1687.3	1011.6	-10.5	1001.1
		-22.50	874.7	825.8	1700.6	1019.5	-10.5	1009.0
11 - Ontgraven tot	-8.36	-12.50	365.1	40.0	405.1	242.9	-10.5	232.4
		-13.00	299.4	79.7	379.2	227.3	-10.5	216.8
		-13.50	265.1	124.6	389.7	233.6	-10.5	223.1
		-14.00	261.3	157.8	419.1	251.3	-10.5	240.8
		-14.50	248.9	186.8	435.7	261.2	-10.5	250.7
		-15.00	268.7	206.3	475.0	284.7	-10.5	274.3
		-15.50	548.0	232.0	780.0	467.6	-10.5	457.1
		-16.00	473.7	276.8	750.5	449.9	-10.5	439.4
		-16.50	434.1	322.0	756.1	453.3	-10.5	442.8
		-17.00	378.9	365.9	744.8	446.6	-10.5	436.1
		-17.50	353.3	405.2	758.4	454.7	-10.5	444.2
		-18.00	317.4	449.0	766.4	459.5	-10.5	449.0
		-18.50	297.3	481.5	778.8	466.9	-10.5	456.4
		-19.00	328.0	507.0	835.0	500.6	-10.5	490.1
		-19.50	438.4	536.5	974.8	584.4	-10.5	573.9
		-20.00	989.0	581.2	1570.2	941.4	-10.5	930.9
		-20.50	1028.1	637.7	1665.8	998.7	-10.5	988.2
		-21.00	942.3	694.3	1636.6	981.2	-10.5	970.7
		-21.50	819.5	750.8	1570.4	941.5	-10.5	931.0
		-22.00	788.3	807.4	1595.7	956.6	-10.5	946.2
		-22.50	746.6	863.9	1610.5	965.5	-10.5	955.1
12 - Ontgraven tot	-8.36	-12.50	404.8	49.1	453.8	272.1	-9.9	262.2
		-13.00	386.4	92.6	478.9	287.1	-9.9	277.3
		-13.50	366.2	137.8	503.9	302.1	-9.9	292.2
		-14.00	357.0	178.9	535.9	321.3	-9.9	311.4
		-14.50	367.8	212.4	580.2	347.8	-9.9	338.0
		-15.00	429.3	249.1	678.4	406.7	-9.9	396.8
		-15.50	360.6	294.3	654.8	392.6	-9.9	382.7
		-16.00	348.6	330.1	678.7	406.9	-9.9	397.0
		-16.50	333.9	367.7	701.6	420.6	-9.9	410.8
		-17.00	314.4	403.2	717.6	430.2	-9.9	420.3
		-17.50	324.6	430.3	754.9	452.6	-9.9	442.7
		-18.00	294.0	465.0	759.0	455.0	-9.9	445.1
		-18.50	380.0	492.4	872.4	523.0	-9.9	513.2
		-19.00	413.9	529.6	943.5	565.6	-9.9	555.7
		-19.50	466.1	569.0	1035.1	620.6	-9.9	610.7
		-20.00	467.7	611.0	1078.7	646.7	-9.9	636.8
		-20.50	457.0	654.9	1111.9	666.6	-9.9	656.7
		-21.00	483.6	696.8	1180.4	707.7	-9.9	697.8
		-21.50	505.6	741.9	1247.6	748.0	-9.9	738.1
		-22.00	684.2	792.7	1476.9	885.4	-9.9	875.5
		-22.50	668.0	849.2	1517.3	909.6	-9.9	899.7
13 - Ontgraven tot	-8.36	-12.50	333.4	52.6	386.0	231.4	-9.9	221.5
		-13.00	290.6	97.2	387.8	232.5	-9.9	222.6
		-13.50	278.9	137.8	416.8	249.9	-9.9	240.0
		-14.00	277.4	167.6	445.0	266.8	-9.9	256.9
		-14.50	323.1	193.5	516.6	309.7	-9.9	299.8
		-15.00	316.5	223.0	539.5	323.4	-9.9	313.6
		-15.50	417.4	252.7	670.1	401.7	-9.9	391.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.00	415.9	293.8	709.6	425.4	-9.9	415.6
		-16.50	390.8	336.0	726.8	435.7	-9.9	425.8
		-17.00	404.5	372.3	776.8	465.7	-9.9	455.8
		-17.50	386.5	415.5	802.0	480.8	-9.9	470.9
		-18.00	378.1	452.4	830.4	497.9	-9.9	488.0
		-18.50	422.0	485.7	907.7	544.2	-9.9	534.3
		-19.00	508.8	524.8	1033.6	619.7	-9.9	609.8
		-19.50	490.2	570.0	1060.2	635.6	-9.9	625.7
		-20.00	494.6	614.9	1109.5	665.1	-9.9	655.3
		-20.50	525.7	660.8	1186.5	711.4	-9.9	701.5
		-21.00	514.6	707.7	1222.3	732.8	-9.9	722.9
		-21.50	678.5	755.6	1434.1	859.8	-9.9	849.9
		-22.00	978.6	811.9	1790.5	1073.5	-9.9	1063.6
		-22.50	955.0	868.4	1823.4	1093.2	-9.9	1083.3
14 - Ontgraven tot	-8.36	-12.50	327.5	56.9	384.4	230.5	-9.9	220.6
		-13.00	309.7	101.7	411.4	246.7	-9.9	236.8
		-13.50	299.7	144.6	444.2	266.3	-9.9	256.4
		-14.00	306.1	174.4	480.5	288.1	-9.9	278.2
		-14.50	287.9	207.3	495.2	296.9	-9.9	287.0
		-15.00	330.8	236.3	567.1	340.0	-9.9	330.1
		-15.50	482.6	267.6	750.1	449.7	-9.9	439.8
		-16.00	443.7	312.1	755.8	453.1	-9.9	443.3
		-16.50	377.8	357.2	735.0	440.7	-9.9	430.8
		-17.00	410.0	391.2	801.2	480.4	-9.9	470.5
		-17.50	414.4	429.8	844.2	506.1	-9.9	496.3
		-18.00	407.1	470.4	877.5	526.1	-9.9	516.2
		-18.50	466.7	509.5	976.2	585.2	-9.9	575.4
		-19.00	276.4	560.8	837.2	501.9	-9.9	492.0
		-19.50	247.2	612.0	859.2	515.1	-9.9	505.3
		-20.00	146.2	657.6	803.8	481.9	-9.9	472.0
		-20.50	310.7	684.7	995.4	596.8	-9.9	586.9
		-21.00	328.7	721.1	1049.8	629.4	-9.9	619.5
		-21.50	302.7	765.3	1068.0	640.3	-9.9	630.4
		-22.00	303.6	797.2	1100.8	660.0	-9.9	650.1
		-22.50	793.5	836.2	1629.6	977.0	-9.9	967.1
15 - Ontgraven tot	-8.36	-12.50	341.9	79.9	421.8	252.9	-8.4	244.6
		-13.00	335.7	124.3	460.0	275.8	-8.4	267.4
		-13.50	348.5	157.6	506.2	303.5	-8.4	295.1
		-14.00	330.6	196.7	527.3	316.2	-8.4	307.8
		-14.50	382.0	230.0	612.1	366.9	-8.4	358.6
		-15.00	357.8	271.6	629.5	377.4	-8.4	369.0
		-15.50	364.2	305.1	669.3	401.3	-8.4	392.9
		-16.00	514.7	342.2	856.9	513.8	-8.4	505.4
		-16.50	574.1	387.7	961.9	576.7	-8.4	568.3
		-17.00	445.0	436.9	881.9	528.7	-8.4	520.3
		-17.50	423.7	486.4	910.2	545.7	-8.4	537.3
		-18.00	396.4	536.3	932.7	559.1	-8.4	550.8
		-18.50	338.8	580.3	919.1	551.0	-8.4	542.7
		-19.00	398.5	612.0	1010.5	605.8	-8.4	597.4
		-19.50	383.7	655.5	1039.2	623.0	-8.4	614.7
		-20.00	381.8	694.0	1075.8	645.0	-8.4	636.6
		-20.50	358.7	729.2	1087.9	652.2	-8.4	643.9
		-21.00	345.7	770.2	1115.9	669.0	-8.4	660.6
		-21.50	285.7	807.3	1093.0	655.3	-8.4	646.9
		-22.00	718.9	832.8	1551.7	930.3	-8.4	921.9
		-22.50	822.6	888.8	1711.4	1026.0	-8.4	1017.7
16 - Ontgraven tot	-8.36	-12.50	346.8	65.9	412.6	247.4	-8.5	238.9
		-13.00	287.2	111.1	398.3	238.8	-8.5	230.3
		-13.50	287.6	146.0	433.6	259.9	-8.5	251.5
		-14.00	282.9	177.3	460.2	275.9	-8.5	267.4
		-14.50	301.2	202.8	504.0	302.2	-8.5	293.7
		-15.00	308.1	229.1	537.2	322.1	-8.5	313.6
		-15.50	454.3	259.7	714.0	428.1	-8.5	419.6
		-16.00	477.6	302.6	780.2	467.7	-8.5	459.3
		-16.50	433.4	347.5	780.9	468.2	-8.5	459.7
		-17.00	364.9	392.7	757.6	454.2	-8.5	445.7
		-17.50	325.7	436.9	762.6	457.2	-8.5	448.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.00	345.7	465.3	811.1	486.2	-8.5	477.8
		-18.50	512.6	498.2	1010.8	606.0	-8.5	597.5
		-19.00	503.7	545.9	1049.6	629.3	-8.5	620.8
		-19.50	479.4	594.6	1074.0	643.9	-8.5	635.4
		-20.00	464.2	642.7	1106.9	663.6	-8.5	655.1
		-20.50	454.4	686.2	1140.6	683.8	-8.5	675.4
		-21.00	451.1	729.9	1181.0	708.0	-8.5	699.5
		-21.50	1075.3	777.6	1852.9	1110.8	-8.5	1102.4
		-22.00	780.6	834.2	1614.8	968.1	-8.5	959.6
		-22.50	524.9	890.7	1415.6	848.7	-8.5	840.2
17 - Ontgraven tot	-8.36	-12.50	355.4	61.6	417.0	250.0	-9.3	240.7
		-13.00	348.6	105.3	453.9	272.1	-9.3	262.8
		-13.50	318.9	148.1	466.9	279.9	-9.3	270.7
		-14.00	324.3	184.4	508.7	305.0	-9.3	295.7
		-14.50	321.2	217.4	538.5	322.9	-9.3	313.6
		-15.00	369.8	248.1	617.9	370.4	-9.3	361.1
		-15.50	455.8	282.1	737.8	442.4	-9.3	433.1
		-16.00	485.6	324.1	809.7	485.4	-9.3	476.2
		-16.50	478.9	368.8	847.7	508.2	-9.3	498.9
		-17.00	513.4	415.2	928.5	556.7	-9.3	547.4
		-17.50	507.5	464.4	972.0	582.7	-9.3	573.4
		-18.00	488.6	512.0	1000.6	599.9	-9.3	590.6
		-18.50	599.3	556.5	1155.8	693.0	-9.3	683.7
		-19.00	528.9	602.0	1130.9	678.0	-9.3	668.7
		-19.50	603.5	647.5	1251.0	750.0	-9.3	740.7
		-20.00	577.6	692.9	1270.5	761.7	-9.3	752.4
		-20.50	578.9	737.8	1316.7	789.4	-9.3	780.1
		-21.00	890.7	786.2	1676.9	1005.3	-9.3	996.1
		-21.50	1018.0	842.0	1859.9	1115.1	-9.3	1105.8
		-22.00	1029.2	898.5	1927.8	1155.7	-9.3	1146.4
		-22.50	1159.5	955.1	2114.6	1267.7	-9.3	1258.4
18 - Ontgraven tot	-8.36	-12.50	348.3	53.7	402.0	241.0	-9.9	231.1
		-13.00	337.1	95.7	432.7	259.4	-9.9	249.5
		-13.50	331.7	140.2	472.0	282.9	-9.9	273.1
		-14.00	296.1	178.8	474.9	284.7	-9.9	274.8
		-14.50	276.4	206.5	482.9	289.5	-9.9	279.6
		-15.00	263.8	239.4	503.2	301.7	-9.9	291.8
		-15.50	245.3	267.5	512.9	307.5	-9.9	297.6
		-16.00	252.7	287.4	540.1	323.8	-9.9	313.9
		-16.50	319.0	308.5	627.6	376.2	-9.9	366.3
		-17.00	505.1	338.5	843.6	505.7	-9.9	495.9
		-17.50	556.1	389.0	945.2	566.6	-9.9	556.8
		-18.00	533.5	445.6	979.1	587.0	-9.9	577.1
		-18.50	427.6	502.1	929.8	557.4	-9.9	547.5
		-19.00	385.7	550.3	936.0	561.1	-9.9	551.2
		-19.50	469.9	588.4	1058.3	634.4	-9.9	624.6
		-20.00	404.3	633.0	1037.3	621.9	-9.9	612.0
		-20.50	476.8	672.2	1149.0	688.8	-9.9	679.0
		-21.00	607.6	717.1	1324.7	794.2	-9.9	784.3
		-21.50	582.5	769.7	1352.2	810.7	-9.9	800.8
		-22.00	553.1	822.2	1375.3	824.5	-9.9	814.6
		-22.50	889.3	875.9	1765.3	1058.3	-9.9	1048.4
19 - Ontgraven tot	-8.36	-12.50	361.7	73.2	434.8	260.7	-9.3	251.4
		-13.00	337.2	118.4	455.6	273.1	-9.3	263.9
		-13.50	328.6	154.5	483.1	289.6	-9.3	280.3
		-14.00	347.4	186.1	533.5	319.8	-9.3	310.6
		-14.50	335.0	226.6	561.6	336.7	-9.3	327.4
		-15.00	351.7	259.2	611.0	366.3	-9.3	357.0
		-15.50	337.3	296.0	633.3	379.7	-9.3	370.4
		-16.00	330.2	332.2	662.4	397.1	-9.3	387.9
		-16.50	321.3	365.3	686.6	411.6	-9.3	402.3
		-17.00	321.9	395.2	717.2	430.0	-9.3	420.7
		-17.50	800.9	429.1	1230.0	737.4	-9.3	728.1
		-18.00	755.0	485.6	1240.6	743.8	-9.3	734.5
		-18.50	672.7	542.2	1214.8	728.3	-9.3	719.0
		-19.00	531.5	598.7	1130.2	677.6	-9.3	668.3
		-19.50	403.4	651.9	1055.3	632.7	-9.3	623.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezwijk draagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.00	513.5	692.0	1205.4	722.7	-9.3	713.4
		-20.50	441.4	737.1	1178.6	706.6	-9.3	697.3
		-21.00	656.0	784.2	1440.2	863.4	-9.3	854.1
		-21.50	631.6	840.8	1472.4	882.7	-9.3	873.4
		-22.00	885.0	896.8	1781.8	1068.3	-9.3	1059.0
		-22.50	765.7	953.4	1719.1	1030.6	-9.3	1021.3

REKENGEDEGEVENS 450 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor $\xi_{3(n=1)}$: 1.39 (handmatig)
 Factor $\xi_{3(gem)}$: 1.39 (handmatig)
 Factor $\xi_{4(min)}$: 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 450
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 450

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL 450 o (n=1)

Uitgangspunten

- paal : 450
 - paaltype : Avegaarpaal
 - schachtafmeting : 450 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	476.9	64.7	541.6	324.7	-11.1	313.6
		-13.00	468.1	112.6	580.6	348.1	-11.1	337.0
		-13.50	465.3	163.4	628.8	377.0	-11.1	365.8
		-14.00	403.2	213.9	617.1	370.0	-11.1	358.9
		-14.50	390.2	250.7	640.9	384.2	-11.1	373.1
		-15.00	382.6	293.0	675.6	405.0	-11.1	393.9
		-15.50	348.7	336.4	685.1	410.8	-11.1	399.6
		-16.00	337.5	363.8	701.3	420.5	-11.1	409.3
		-16.50	460.4	388.8	849.3	509.2	-11.1	498.1
		-17.00	533.9	425.2	959.1	575.0	-11.1	563.9
		-17.50	591.9	471.0	1062.9	637.2	-11.1	626.1
		-18.00	530.2	527.8	1058.0	634.3	-11.1	623.2
		-18.50	461.6	584.6	1046.2	627.2	-11.1	616.1
		-19.00	474.4	622.9	1097.3	657.9	-11.1	646.8
		-19.50	448.6	665.3	1114.0	667.8	-11.1	656.7
		-20.00	598.0	704.6	1302.6	780.9	-11.1	769.8
		-20.50	561.8	755.3	1317.1	789.7	-11.1	778.5
		-21.00	959.2	806.9	1766.1	1058.8	-11.1	1047.7
		-21.50	933.5	870.5	1804.0	1081.5	-11.1	1070.4
		-22.00	1042.3	934.1	1976.4	1184.9	-11.1	1173.8
		-22.50	1111.5	997.7	2109.2	1264.5	-11.1	1253.4
2 - Ontgraven tot	-8.36	-12.50	410.2	55.3	465.5	279.1	-12.3	266.8
		-13.00	393.2	99.2	492.5	295.3	-12.3	283.0
		-13.50	373.3	145.3	518.5	310.9	-12.3	298.6
		-14.00	365.9	186.6	552.6	331.3	-12.3	319.0
		-14.50	368.7	218.0	586.7	351.8	-12.3	339.5
		-15.00	416.9	246.4	663.2	397.6	-12.3	385.3
		-15.50	407.5	280.4	687.9	412.4	-12.3	400.1
		-16.00	405.3	315.2	720.5	432.0	-12.3	419.7
		-16.50	388.3	352.1	740.4	443.9	-12.3	431.6
		-17.00	390.9	382.0	772.8	463.3	-12.3	451.0
		-17.50	519.3	412.4	931.6	558.5	-12.3	546.3
		-18.00	478.9	461.4	940.3	563.7	-12.3	551.5
		-18.50	570.0	503.1	1073.1	643.3	-12.3	631.1
		-19.00	564.4	552.2	1116.6	669.4	-12.3	657.2
		-19.50	565.3	597.2	1162.5	696.9	-12.3	684.6
		-20.00	546.0	647.3	1193.3	715.4	-12.3	703.1
		-20.50	526.9	693.8	1220.7	731.8	-12.3	719.5
		-21.00	1030.3	741.2	1771.5	1062.0	-12.3	1049.8
		-21.50	1062.0	804.8	1866.8	1119.2	-12.3	1106.9
		-22.00	1020.3	868.4	1888.8	1132.4	-12.3	1120.1
		-22.50	1002.1	932.1	1934.2	1159.6	-12.3	1147.3
3 - Ontgraven tot	-8.36	-12.50	488.7	62.5	551.2	330.5	-11.8	318.7
		-13.00	416.7	112.8	529.5	317.5	-11.8	305.7
		-13.50	374.9	163.6	538.5	322.9	-11.8	311.1
		-14.00	361.8	207.3	569.1	341.2	-11.8	329.4
		-14.50	359.5	243.3	602.8	361.4	-11.8	349.6
		-15.00	365.5	271.9	637.4	382.1	-11.8	370.3
		-15.50	362.0	298.9	660.9	396.3	-11.8	384.5
		-16.00	381.4	325.4	706.8	423.8	-11.8	412.0
		-16.50	364.1	357.2	721.3	432.5	-11.8	420.7
		-17.00	421.6	384.0	805.7	483.0	-11.8	471.2
		-17.50	527.1	418.9	946.1	567.2	-11.8	555.4
		-18.00	495.6	468.3	964.0	577.9	-11.8	566.1
		-18.50	405.2	519.2	924.4	554.2	-11.8	542.4
		-19.00	365.7	567.3	933.0	559.4	-11.8	547.6
		-19.50	361.9	599.1	961.0	576.2	-11.8	564.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	327.7	633.1	960.8	576.0	-11.8	564.2
		-20.50	655.8	657.6	1313.4	787.4	-11.8	775.6
		-21.00	962.2	713.6	1675.9	1004.7	-11.8	992.9
		-21.50	958.5	777.3	1735.7	1040.6	-11.8	1028.8
		-22.00	919.9	840.9	1760.8	1055.6	-11.8	1043.8
		-22.50	925.7	904.5	1830.2	1097.3	-11.8	1085.5
4 - Ontgraven tot	-8.36	-12.50	494.7	62.8	557.5	334.2	-11.4	322.9
		-13.00	481.7	113.5	595.2	356.8	-11.4	345.5
		-13.50	493.4	158.1	651.4	390.5	-11.4	379.2
		-14.00	546.7	201.4	748.2	448.5	-11.4	437.2
		-14.50	557.0	248.9	805.9	483.2	-11.4	471.8
		-15.00	565.7	296.0	861.7	516.6	-11.4	505.3
		-15.50	578.2	345.4	923.6	553.7	-11.4	542.4
		-16.00	712.3	396.4	1108.7	664.7	-11.4	653.3
		-16.50	590.3	455.1	1045.4	626.8	-11.4	615.4
		-17.00	518.1	506.9	1025.0	614.5	-11.4	603.1
		-17.50	502.8	552.3	1055.1	632.5	-11.4	621.2
		-18.00	405.3	603.2	1008.5	604.6	-11.4	593.3
		-18.50	365.5	641.7	1007.1	603.8	-11.4	592.4
		-19.00	534.1	671.8	1205.9	723.0	-11.4	711.6
		-19.50	588.2	717.6	1305.9	782.9	-11.4	771.5
		-20.00	729.9	766.6	1496.5	897.2	-11.4	885.8
		-20.50	943.5	823.7	1767.2	1059.5	-11.4	1048.1
		-21.00	912.0	887.3	1799.3	1078.7	-11.4	1067.3
		-21.50	883.5	950.9	1834.4	1099.8	-11.4	1088.4
		-22.00	781.2	1014.6	1795.8	1076.6	-11.4	1065.3
		-22.50	813.9	1077.7	1891.6	1134.1	-11.4	1122.7
5 - Ontgraven tot	-8.36	-12.50	531.2	63.5	594.7	356.6	-11.1	345.4
		-13.00	418.8	112.5	531.2	318.5	-11.1	307.4
		-13.50	388.1	160.3	548.3	328.7	-11.1	317.6
		-14.00	374.3	209.1	583.4	349.8	-11.1	338.7
		-14.50	343.9	254.1	598.0	358.5	-11.1	347.4
		-15.00	348.8	280.5	629.3	377.3	-11.1	366.2
		-15.50	468.4	308.1	776.5	465.5	-11.1	454.4
		-16.00	455.3	350.7	806.1	483.3	-11.1	472.1
		-16.50	406.6	396.4	803.0	481.4	-11.1	470.3
		-17.00	451.4	429.0	880.4	527.8	-11.1	516.7
		-17.50	420.4	474.7	895.1	536.6	-11.1	525.5
		-18.00	396.6	521.8	918.4	550.6	-11.1	539.5
		-18.50	384.5	555.1	939.6	563.3	-11.1	552.2
		-19.00	386.7	583.8	970.5	581.8	-11.1	570.7
		-19.50	403.9	612.5	1016.4	609.4	-11.1	598.2
		-20.00	555.5	643.8	1199.2	719.0	-11.1	707.9
		-20.50	767.6	692.1	1459.6	875.1	-11.1	864.0
		-21.00	1245.5	752.8	1998.3	1198.0	-11.1	1186.9
		-21.50	1138.5	816.4	1954.9	1172.0	-11.1	1160.9
		-22.00	1097.4	880.0	1977.4	1185.5	-11.1	1174.4
		-22.50	1077.9	943.7	2021.6	1212.0	-11.1	1200.8
6 - Ontgraven tot	-8.36	-12.50	514.2	60.3	574.6	344.5	-12.1	332.4
		-13.00	418.6	109.9	528.4	316.8	-12.1	304.7
		-13.50	396.9	158.9	555.8	333.2	-12.1	321.1
		-14.00	392.0	205.7	597.7	358.3	-12.1	346.3
		-14.50	361.2	250.6	611.8	366.8	-12.1	354.7
		-15.00	412.5	278.7	691.2	414.4	-12.1	402.3
		-15.50	450.1	315.6	765.7	459.1	-12.1	447.0
		-16.00	435.2	362.7	797.8	478.3	-12.1	466.2
		-16.50	421.4	404.9	826.2	495.3	-12.1	483.3
		-17.00	391.1	443.5	834.6	500.4	-12.1	488.3
		-17.50	473.2	474.2	947.4	568.0	-12.1	555.9
		-18.00	505.5	515.0	1020.5	611.8	-12.1	599.7
		-18.50	571.4	555.7	1127.1	675.7	-12.1	663.7
		-19.00	628.6	603.5	1232.1	738.7	-12.1	726.6
		-19.50	627.9	654.4	1282.4	768.8	-12.1	756.7
		-20.00	1050.8	704.0	1754.7	1052.0	-12.1	1039.9
		-20.50	1028.6	767.5	1796.0	1076.8	-12.1	1064.7
		-21.00	1026.7	831.1	1857.8	1113.8	-12.1	1101.7
		-21.50	1032.4	894.7	1927.1	1155.4	-12.1	1143.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1020.4	958.3	1978.7	1186.3	-12.1	1174.2
		-22.50	932.4	1021.9	1954.3	1171.6	-12.1	1159.6
7 - Ontgraven tot	-8.36	-12.50	552.5	65.6	618.1	370.6	-12.1	358.5
		-13.00	558.7	115.0	673.6	403.9	-12.1	391.8
		-13.50	493.5	165.7	659.2	395.2	-12.1	383.1
		-14.00	479.0	213.9	692.9	415.4	-12.1	403.3
		-14.50	461.0	264.7	725.7	435.1	-12.1	423.0
		-15.00	433.1	310.5	743.6	445.8	-12.1	433.7
		-15.50	455.3	344.4	799.7	479.4	-12.1	467.4
		-16.00	397.9	384.9	782.8	469.3	-12.1	457.2
		-16.50	349.1	433.1	782.3	469.0	-12.1	456.9
		-17.00	359.9	458.5	818.4	490.6	-12.1	478.5
		-17.50	341.3	491.4	832.7	499.2	-12.1	487.2
		-18.00	380.8	522.0	902.7	541.2	-12.1	529.1
		-18.50	357.4	561.1	918.6	550.7	-12.1	538.6
		-19.00	384.1	591.1	975.2	584.7	-12.1	572.6
		-19.50	620.0	627.0	1247.0	747.6	-12.1	735.6
		-20.00	571.8	677.9	1249.7	749.2	-12.1	737.2
		-20.50	486.9	728.2	1215.1	728.5	-12.1	716.4
		-21.00	920.0	768.3	1688.3	1012.2	-12.1	1000.1
		-21.50	1004.0	829.6	1833.5	1099.2	-12.1	1087.2
8 - Ontgraven tot	-8.36	-12.50	437.4	61.3	498.7	299.0	-11.1	287.9
		-13.00	407.1	105.7	512.8	307.4	-11.1	296.3
		-13.50	348.3	156.5	504.7	302.6	-11.1	291.5
		-14.00	317.5	197.4	514.9	308.7	-11.1	297.6
		-14.50	316.9	229.4	546.2	327.5	-11.1	316.4
		-15.00	313.2	257.0	570.2	341.9	-11.1	330.7
		-15.50	307.6	280.3	587.9	352.5	-11.1	341.4
		-16.00	344.8	301.9	646.7	387.7	-11.1	376.6
		-16.50	326.0	327.6	653.6	391.8	-11.1	380.7
		-17.00	300.2	361.1	661.3	396.5	-11.1	385.4
		-17.50	285.2	391.9	677.1	405.9	-11.1	394.8
		-18.00	274.6	414.6	689.2	413.2	-11.1	402.1
		-18.50	280.6	433.1	713.7	427.9	-11.1	416.8
		-19.00	330.4	452.3	782.7	469.3	-11.1	458.1
		-19.50	547.0	477.0	1024.0	613.9	-11.1	602.8
		-20.00	751.2	526.1	1277.3	765.7	-11.1	754.6
		-20.50	938.4	587.1	1525.5	914.6	-11.1	903.5
		-21.00	1077.7	650.7	1728.4	1036.2	-11.1	1025.1
		-21.50	1082.6	714.3	1797.0	1077.3	-11.1	1066.2
		-22.00	995.0	778.0	1773.0	1062.9	-11.1	1051.8
		-22.50	1200.9	841.6	2042.5	1224.5	-11.1	1213.4
9 - Ontgraven tot	-8.36	-12.50	511.2	61.8	573.0	343.5	-11.8	331.7
		-13.00	414.8	111.6	526.4	315.6	-11.8	303.8
		-13.50	402.1	160.6	562.7	337.4	-11.8	325.6
		-14.00	373.8	210.0	583.8	350.0	-11.8	338.2
		-14.50	346.3	250.6	596.9	357.9	-11.8	346.1
		-15.00	337.9	281.4	619.3	371.3	-11.8	359.5
		-15.50	312.3	310.7	623.0	373.5	-11.8	361.7
		-16.00	306.8	336.7	643.5	385.8	-11.8	374.0
		-16.50	302.8	359.9	662.6	397.3	-11.8	385.5
		-17.00	300.3	381.8	682.2	409.0	-11.8	397.2
		-17.50	309.5	403.5	713.0	427.5	-11.8	415.7
		-18.00	297.5	427.3	724.8	434.6	-11.8	422.8
		-18.50	377.4	447.6	824.9	494.6	-11.8	482.8
		-19.00	461.7	478.6	940.3	563.7	-11.8	551.9
		-19.50	769.2	524.5	1293.7	775.6	-11.8	763.8
		-20.00	723.0	588.1	1311.1	786.0	-11.8	774.2
		-20.50	688.6	650.3	1338.8	802.7	-11.8	790.9
		-21.00	967.0	709.7	1676.7	1005.2	-11.8	993.4
		-21.50	1111.5	773.3	1884.9	1130.0	-11.8	1118.2
		-22.00	1093.9	836.9	1930.9	1157.6	-11.8	1145.8
		-22.50	1018.9	900.6	1919.5	1150.8	-11.8	1139.0
10 - Ontgraven tot	-8.36	-12.50	436.1	52.5	488.6	292.9	-11.8	281.1
		-13.00	437.9	99.1	537.1	322.0	-11.8	310.2
		-13.50	421.5	146.0	567.5	340.3	-11.8	328.5
		-14.00	446.1	181.1	627.1	376.0	-11.8	364.2



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.50	411.6	221.5	633.1	379.5	-11.8	367.7
		-15.00	402.8	265.9	668.7	400.9	-11.8	389.1
		-15.50	385.5	307.9	693.4	415.7	-11.8	403.9
		-16.00	348.3	345.3	693.6	415.8	-11.8	404.0
		-16.50	424.3	371.7	796.0	477.2	-11.8	465.4
		-17.00	393.0	414.8	807.8	484.3	-11.8	472.5
		-17.50	437.5	444.6	882.1	528.8	-11.8	517.0
		-18.00	588.9	483.8	1072.7	643.1	-11.8	631.3
		-18.50	501.1	534.7	1035.8	621.0	-11.8	609.2
		-19.00	398.5	580.5	979.0	586.9	-11.8	575.1
		-19.50	473.2	610.6	1083.7	649.7	-11.8	637.9
		-20.00	535.2	649.6	1184.8	710.3	-11.8	698.5
		-20.50	577.7	694.8	1272.5	762.9	-11.8	751.1
		-21.00	759.8	741.4	1501.2	900.0	-11.8	888.2
		-21.50	1048.6	801.8	1850.4	1109.4	-11.8	1097.6
		-22.00	1101.0	865.4	1966.4	1178.9	-11.8	1167.1
		-22.50	1107.1	929.1	2036.2	1220.7	-11.8	1208.9
11 - Ontgraven tot	-8.36	-12.50	411.6	45.0	456.6	273.7	-11.8	261.9
		-13.00	353.9	89.7	443.6	266.0	-11.8	254.2
		-13.50	328.1	140.1	468.2	280.7	-11.8	268.9
		-14.00	323.7	177.5	501.2	300.5	-11.8	288.7
		-14.50	307.7	210.1	517.9	310.5	-11.8	298.7
		-15.00	344.4	232.1	576.4	345.6	-11.8	333.8
		-15.50	625.2	261.0	886.2	531.3	-11.8	519.5
		-16.00	601.4	311.4	912.8	547.2	-11.8	535.4
		-16.50	536.7	362.3	899.0	538.9	-11.8	527.1
		-17.00	459.1	411.7	870.8	522.1	-11.8	510.2
		-17.50	442.8	455.8	898.6	538.7	-11.8	526.9
		-18.00	401.7	505.1	906.8	543.7	-11.8	531.8
		-18.50	376.2	541.7	917.9	550.3	-11.8	538.5
		-19.00	415.1	570.3	985.5	590.8	-11.8	579.0
		-19.50	562.3	603.5	1165.8	698.9	-11.8	687.1
		-20.00	1279.5	653.8	1933.3	1159.1	-11.8	1147.3
		-20.50	1296.9	717.5	2014.3	1207.6	-11.8	1195.8
		-21.00	1127.4	781.1	1908.5	1144.2	-11.8	1132.4
		-21.50	1032.4	844.7	1877.1	1125.3	-11.8	1113.5
		-22.00	997.7	908.3	1906.0	1142.7	-11.8	1130.9
		-22.50	944.9	971.9	1916.8	1149.2	-11.8	1137.4
12 - Ontgraven tot	-8.36	-12.50	507.8	55.2	563.0	337.5	-11.1	326.4
		-13.00	479.0	104.1	583.2	349.6	-11.1	338.5
		-13.50	456.3	155.0	611.3	366.5	-11.1	355.4
		-14.00	445.2	201.3	646.4	387.5	-11.1	376.4
		-14.50	468.7	238.9	707.6	424.2	-11.1	413.1
		-15.00	532.4	280.2	812.5	487.1	-11.1	476.0
		-15.50	448.3	331.1	779.3	467.2	-11.1	456.1
		-16.00	441.2	371.4	812.6	487.2	-11.1	476.0
		-16.50	411.3	413.7	825.0	494.6	-11.1	483.5
		-17.00	397.9	453.6	851.5	510.5	-11.1	499.4
		-17.50	410.9	484.1	894.9	536.5	-11.1	525.4
		-18.00	374.3	523.1	897.4	538.0	-11.1	526.9
		-18.50	480.9	554.0	1034.9	620.5	-11.1	609.3
		-19.00	526.6	595.8	1122.4	672.9	-11.1	661.8
		-19.50	608.9	640.2	1249.0	748.8	-11.1	737.7
		-20.00	592.0	687.3	1279.3	767.0	-11.1	755.8
		-20.50	578.4	736.8	1315.2	788.5	-11.1	777.4
		-21.00	612.1	783.9	1396.0	836.9	-11.1	825.8
		-21.50	668.9	834.7	1503.5	901.4	-11.1	890.3
		-22.00	865.9	891.8	1757.7	1053.8	-11.1	1042.7
		-22.50	845.5	955.4	1800.9	1079.6	-11.1	1068.5
13 - Ontgraven tot	-8.36	-12.50	386.7	59.2	445.9	267.3	-11.1	256.2
		-13.00	362.5	109.3	471.9	282.9	-11.1	271.8
		-13.50	346.1	155.1	501.1	300.4	-11.1	289.3
		-14.00	344.3	188.5	532.9	319.5	-11.1	308.3
		-14.50	402.6	217.7	620.4	371.9	-11.1	360.8
		-15.00	405.1	250.8	655.9	393.2	-11.1	382.1
		-15.50	528.3	284.2	812.6	487.1	-11.1	476.0
		-16.00	526.3	330.5	856.8	513.7	-11.1	502.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.50	496.8	377.9	874.7	524.4	-11.1	513.3
		-17.00	512.4	418.9	931.3	558.3	-11.1	547.2
		-17.50	489.1	467.5	956.6	573.5	-11.1	562.4
		-18.00	479.2	508.9	988.1	592.4	-11.1	581.3
		-18.50	534.1	546.4	1080.5	647.8	-11.1	636.7
		-19.00	644.0	590.4	1234.3	740.0	-11.1	728.9
		-19.50	620.4	641.3	1261.7	756.4	-11.1	745.3
		-20.00	636.0	691.8	1327.8	796.0	-11.1	784.9
		-20.50	665.3	743.5	1408.8	844.6	-11.1	833.5
		-21.00	651.3	796.1	1447.5	867.8	-11.1	856.7
		-21.50	872.2	850.0	1722.2	1032.5	-11.1	1021.4
		-22.00	1238.6	913.4	2152.0	1290.1	-11.1	1279.0
		-22.50	1208.6	977.0	2185.6	1310.3	-11.1	1299.2
14 - Ontgraven tot	-8.36	-12.50	413.4	64.0	477.5	286.2	-11.1	275.1
		-13.00	378.7	114.4	493.1	295.6	-11.1	284.5
		-13.50	372.5	162.6	535.1	320.8	-11.1	309.7
		-14.00	380.5	196.2	576.7	345.7	-11.1	334.6
		-14.50	364.2	233.2	597.4	358.2	-11.1	347.0
		-15.00	418.2	265.9	684.1	410.1	-11.1	399.0
		-15.50	610.7	301.0	911.8	546.6	-11.1	535.5
		-16.00	559.6	351.1	910.8	546.0	-11.1	534.9
		-16.50	478.2	401.8	880.0	527.6	-11.1	516.5
		-17.00	519.0	440.1	959.1	575.0	-11.1	563.9
		-17.50	536.2	483.5	1019.7	611.4	-11.1	600.2
		-18.00	515.2	529.2	1044.4	626.1	-11.1	615.0
		-18.50	370.0	573.2	943.1	565.4	-11.1	554.3
		-19.00	355.8	630.9	986.7	591.5	-11.1	580.4
		-19.50	312.9	688.5	1001.4	600.4	-11.1	589.3
		-20.00	199.3	739.8	939.1	563.0	-11.1	551.9
		-20.50	418.0	770.3	1188.3	712.4	-11.1	701.3
		-21.00	414.9	811.2	1226.1	735.1	-11.1	724.0
		-21.50	381.2	860.9	1242.1	744.7	-11.1	733.6
		-22.00	404.1	896.8	1300.9	779.9	-11.1	768.8
		-22.50	1000.8	940.7	1941.4	1163.9	-11.1	1152.8
15 - Ontgraven tot	-8.36	-12.50	424.0	89.9	513.9	308.1	-9.4	298.7
		-13.00	418.5	139.9	558.4	334.8	-9.4	325.4
		-13.50	433.9	177.4	611.2	366.4	-9.4	357.1
		-14.00	425.7	221.3	647.0	387.9	-9.4	378.5
		-14.50	481.9	258.8	740.7	444.0	-9.4	434.7
		-15.00	452.9	305.6	758.5	454.7	-9.4	445.3
		-15.50	472.8	343.2	816.0	489.2	-9.4	479.8
		-16.00	651.5	385.0	1036.4	621.4	-9.4	612.0
		-16.50	696.9	436.2	1133.1	679.3	-9.4	669.9
		-17.00	548.0	491.5	1039.6	623.2	-9.4	613.8
		-17.50	542.1	547.3	1089.3	653.1	-9.4	643.7
		-18.00	501.7	603.3	1105.0	662.5	-9.4	653.1
		-18.50	434.9	652.8	1087.8	652.1	-9.4	642.7
		-19.00	504.4	688.4	1192.8	715.1	-9.4	705.7
		-19.50	485.6	737.5	1223.0	733.2	-9.4	723.8
		-20.00	460.0	780.7	1240.7	743.8	-9.4	734.4
		-20.50	454.0	820.4	1274.4	764.0	-9.4	754.6
		-21.00	437.5	866.5	1304.0	781.8	-9.4	772.4
		-21.50	361.7	908.2	1269.8	761.3	-9.4	751.9
		-22.00	943.1	936.9	1879.9	1127.1	-9.4	1117.7
		-22.50	1041.1	999.9	2041.0	1223.6	-9.4	1214.2
16 - Ontgraven tot	-8.36	-12.50	398.7	74.1	472.8	283.5	-9.5	273.9
		-13.00	358.1	125.0	483.1	289.6	-9.5	280.1
		-13.50	357.6	164.2	521.8	312.8	-9.5	303.3
		-14.00	350.9	199.5	550.3	329.9	-9.5	320.4
		-14.50	378.0	228.2	606.2	363.5	-9.5	353.9
		-15.00	397.3	257.7	655.0	392.7	-9.5	383.2
		-15.50	582.6	292.2	874.8	524.4	-9.5	514.9
		-16.00	563.5	340.4	903.9	541.9	-9.5	532.3
		-16.50	533.6	390.9	924.6	554.3	-9.5	544.7
		-17.00	461.8	441.8	903.6	541.7	-9.5	532.2
		-17.50	412.2	491.5	903.8	541.8	-9.5	532.3
		-18.00	437.6	523.5	961.1	576.2	-9.5	566.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.50	648.7	560.5	1209.2	725.0	-9.5	715.4
		-19.00	638.0	614.2	1252.1	750.7	-9.5	741.1
		-19.50	604.2	668.9	1273.1	763.3	-9.5	753.7
		-20.00	583.2	723.0	1306.2	783.1	-9.5	773.6
		-20.50	575.2	772.0	1347.1	807.6	-9.5	798.1
		-21.00	600.5	821.1	1421.6	852.3	-9.5	842.8
		-21.50	1203.1	874.8	2077.9	1245.8	-9.5	1236.2
		-22.00	820.2	938.5	1758.7	1054.4	-9.5	1044.8
		-22.50	639.7	1002.1	1641.8	984.3	-9.5	974.7
17 - Ontgraven tot	-8.36	-12.50	443.5	69.3	512.9	307.5	-10.4	297.0
		-13.00	437.3	118.5	555.8	333.2	-10.4	322.7
		-13.50	397.1	166.6	563.6	337.9	-10.4	327.5
		-14.00	399.2	207.4	606.6	363.7	-10.4	353.2
		-14.50	402.3	244.5	646.8	387.8	-10.4	377.3
		-15.00	468.1	279.1	747.1	447.9	-10.4	437.5
		-15.50	576.9	317.3	894.2	536.1	-10.4	525.6
		-16.00	614.6	364.6	979.2	587.1	-10.4	576.6
		-16.50	616.7	414.9	1031.6	618.5	-10.4	608.0
		-17.00	649.8	467.1	1116.8	669.5	-10.4	659.1
		-17.50	642.4	522.5	1164.8	698.3	-10.4	687.9
		-18.00	618.4	576.0	1194.3	716.0	-10.4	705.6
		-18.50	758.5	626.1	1384.6	830.1	-10.4	819.7
		-19.00	669.4	677.3	1346.6	807.3	-10.4	796.9
		-19.50	763.9	728.4	1492.3	894.7	-10.4	884.2
		-20.00	731.0	779.6	1510.6	905.6	-10.4	895.2
		-20.50	732.6	830.0	1562.6	936.8	-10.4	926.4
		-21.00	1177.7	884.4	2062.2	1236.3	-10.4	1225.9
		-21.50	1288.4	947.2	2235.6	1340.3	-10.4	1329.8
		-22.00	1309.9	1010.8	2320.7	1391.3	-10.4	1380.9
		-22.50	1473.4	1074.5	2547.9	1527.5	-10.4	1517.1
18 - Ontgraven tot	-8.36	-12.50	421.9	60.4	482.3	289.2	-11.1	278.1
		-13.00	421.8	107.6	529.4	317.4	-11.1	306.3
		-13.50	411.9	157.8	569.6	341.5	-11.1	330.4
		-14.00	355.7	201.1	556.8	333.8	-11.1	322.7
		-14.50	340.7	232.3	573.1	343.6	-11.1	332.5
		-15.00	333.8	269.4	603.2	361.6	-11.1	350.5
		-15.50	310.5	301.0	611.5	366.6	-11.1	355.5
		-16.00	322.8	323.3	646.1	387.4	-11.1	376.3
		-16.50	409.2	347.1	756.3	453.4	-11.1	442.3
		-17.00	662.5	380.8	1043.2	625.4	-11.1	614.3
		-17.50	689.6	437.7	1127.3	675.8	-11.1	664.7
		-18.00	675.2	501.3	1176.5	705.3	-11.1	694.2
		-18.50	541.2	564.9	1106.1	663.2	-11.1	652.0
		-19.00	519.8	619.1	1138.9	682.8	-11.1	671.7
		-19.50	594.7	661.9	1256.6	753.4	-11.1	742.3
		-20.00	511.7	712.1	1223.8	733.7	-11.1	722.6
		-20.50	603.4	756.3	1359.7	815.1	-11.1	804.0
		-21.00	768.9	806.8	1575.7	944.7	-11.1	933.6
		-21.50	737.3	865.9	1603.1	961.1	-11.1	950.0
		-22.00	704.5	925.0	1629.4	976.9	-11.1	965.8
		-22.50	1129.9	985.4	2115.4	1268.2	-11.1	1257.1
19 - Ontgraven tot	-8.36	-12.50	453.2	82.3	535.5	321.0	-10.4	310.6
		-13.00	420.8	133.2	554.0	332.2	-10.4	321.7
		-13.50	413.1	173.8	586.8	351.8	-10.4	341.4
		-14.00	432.2	209.3	641.6	384.6	-10.4	374.2
		-14.50	419.8	254.9	674.7	404.5	-10.4	394.1
		-15.00	461.6	291.6	753.2	451.5	-10.4	441.1
		-15.50	426.6	333.0	759.6	455.4	-10.4	444.9
		-16.00	417.9	373.7	791.7	474.6	-10.4	464.2
		-16.50	406.7	410.9	817.6	490.2	-10.4	479.7
		-17.00	411.7	444.7	856.4	513.4	-10.4	503.0
		-17.50	1013.6	482.7	1496.3	897.1	-10.4	886.6
		-18.00	898.9	546.3	1445.2	866.4	-10.4	856.0
		-18.50	859.2	609.9	1469.1	880.8	-10.4	870.3
		-19.00	661.4	673.5	1334.9	800.3	-10.4	789.9
		-19.50	513.9	733.4	1247.2	747.7	-10.4	737.3
		-20.00	649.9	778.5	1428.3	856.3	-10.4	845.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezwijk draagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.50	575.5	829.3	1404.8	842.2	-10.4	831.7
		-21.00	830.2	882.3	1712.5	1026.7	-10.4	1016.2
		-21.50	799.3	945.9	1745.2	1046.3	-10.4	1035.8
		-22.00	1125.8	1009.0	2134.8	1279.8	-10.4	1269.4
		-22.50	918.9	1072.6	1991.4	1193.9	-10.4	1183.5

REKENGEGEVENS 500 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor ξ_3 (n=1) : 1.39 (handmatig)
 Factor ξ_3 (gem) : 1.39 (handmatig)
 Factor ξ_4 (min) : 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 500
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 500

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-12.50	-22.50	0.50



SAMENVATTINGSTABEL 500 o (n=1)

Uitgangspunten

- paal : 500
 - paaltype : Avegaarpaal
 - schachtafmeting : 500 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	niveau	maaiveld niveau	Bezuigdraagvermogen			Rekenwaarden		
			$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-12.50	569.4	71.9	641.3	384.5	-12.4	372.1
		-13.00	572.5	125.1	697.6	418.2	-12.4	405.9
		-13.50	567.8	181.6	749.4	449.3	-12.4	436.9
		-14.00	478.4	237.7	716.1	429.3	-12.4	417.0
		-14.50	470.9	278.5	749.4	449.3	-12.4	436.9
		-15.00	466.5	325.6	792.1	474.9	-12.4	462.5
		-15.50	430.6	373.8	804.3	482.2	-12.4	469.9
		-16.00	417.6	404.2	821.8	492.7	-12.4	480.3
		-16.50	572.0	432.1	1004.0	601.9	-12.4	589.6
		-17.00	666.5	472.5	1139.0	682.9	-12.4	670.5
		-17.50	728.9	523.3	1252.2	750.7	-12.4	738.4
		-18.00	653.5	586.5	1239.9	743.4	-12.4	731.0
		-18.50	569.9	649.6	1219.4	731.1	-12.4	718.7
		-19.00	581.3	692.2	1273.5	763.5	-12.4	751.1
		-19.50	557.9	739.3	1297.2	777.7	-12.4	765.3
		-20.00	738.2	782.9	1521.1	911.9	-12.4	899.6
		-20.50	707.4	839.2	1546.7	927.3	-12.4	914.9
		-21.00	1184.3	896.5	2080.8	1247.5	-12.4	1235.1
		-21.50	1168.6	967.2	2135.8	1280.5	-12.4	1268.1
		-22.00	1286.8	1037.9	2324.7	1393.7	-12.4	1381.3
		-22.50	1372.2	1108.6	2480.8	1487.3	-12.4	1474.9
2 - Ontgraven tot	-8.36	-12.50	494.1	61.5	555.5	333.1	-13.7	319.4
		-13.00	464.9	110.3	575.2	344.8	-13.7	331.2
		-13.50	454.3	161.4	615.7	369.1	-13.7	355.5
		-14.00	444.1	207.4	651.5	390.6	-13.7	376.9
		-14.50	447.5	242.2	689.7	413.5	-13.7	399.8
		-15.00	500.5	273.7	774.2	464.2	-13.7	450.5
		-15.50	504.1	311.6	815.7	489.1	-13.7	475.4
		-16.00	500.4	350.2	850.6	510.0	-13.7	496.3
		-16.50	479.4	391.3	870.7	522.0	-13.7	508.3
		-17.00	485.4	424.4	909.8	545.4	-13.7	531.8
		-17.50	641.1	458.2	1099.3	659.0	-13.7	645.4
		-18.00	591.3	512.6	1103.9	661.8	-13.7	648.2
		-18.50	703.7	559.1	1262.7	757.0	-13.7	743.4
		-19.00	696.8	613.6	1310.4	785.6	-13.7	772.0
		-19.50	697.9	663.5	1361.4	816.2	-13.7	802.6
		-20.00	674.0	719.2	1393.3	835.3	-13.7	821.6
		-20.50	651.2	770.9	1422.1	852.6	-13.7	838.9
		-21.00	1303.1	823.6	2126.6	1274.9	-13.7	1261.3
		-21.50	1311.1	894.2	2205.4	1322.2	-13.7	1308.5
		-22.00	1259.7	964.9	2224.6	1333.7	-13.7	1320.0
		-22.50	1237.2	1035.6	2272.8	1362.6	-13.7	1348.9
3 - Ontgraven tot	-8.36	-12.50	569.2	69.5	638.7	382.9	-13.1	369.8
		-13.00	493.8	125.3	619.1	371.2	-13.1	358.1
		-13.50	452.5	181.8	634.3	380.3	-13.1	367.2
		-14.00	437.8	230.4	668.1	400.6	-13.1	387.5
		-14.50	435.9	270.4	706.3	423.4	-13.1	410.3
		-15.00	442.8	302.1	744.9	446.6	-13.1	433.5
		-15.50	447.0	332.2	779.2	467.1	-13.1	454.0
		-16.00	470.9	361.6	832.5	499.1	-13.1	486.0
		-16.50	450.8	396.9	847.7	508.2	-13.1	495.1
		-17.00	530.2	426.7	956.9	573.7	-13.1	560.6
		-17.50	631.1	465.5	1096.6	657.4	-13.1	644.3
		-18.00	568.3	520.4	1088.7	652.7	-13.1	639.6
		-18.50	495.9	576.9	1072.7	643.1	-13.1	630.0
		-19.00	451.5	630.3	1081.9	648.6	-13.1	635.5
		-19.50	446.9	665.6	1112.5	667.0	-13.1	653.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-20.00	405.7	703.4	1109.2	665.0	-13.1	651.9
		-20.50	813.3	730.7	1544.0	925.6	-13.1	912.5
		-21.00	1187.9	792.9	1980.9	1187.6	-13.1	1174.5
		-21.50	1183.3	863.6	2046.9	1227.2	-13.1	1214.0
		-22.00	1135.7	934.3	2070.0	1241.0	-13.1	1227.9
		-22.50	1135.7	1005.0	2140.7	1283.4	-13.1	1270.3
4 - Ontgraven tot	-8.36	-12.50	606.4	69.7	676.2	405.4	-12.6	392.8
		-13.00	589.2	126.1	715.2	428.8	-12.6	416.2
		-13.50	602.2	175.6	777.9	466.3	-12.6	453.7
		-14.00	667.0	223.8	890.8	534.0	-12.6	521.4
		-14.50	679.5	276.6	956.1	573.2	-12.6	560.6
		-15.00	693.1	328.9	1022.0	612.7	-12.6	600.1
		-15.50	750.7	383.8	1134.5	680.2	-12.6	667.5
		-16.00	879.4	440.4	1319.9	791.3	-12.6	778.7
		-16.50	673.1	505.7	1178.8	706.7	-12.6	694.1
		-17.00	639.6	563.2	1202.8	721.1	-12.6	708.5
		-17.50	627.5	613.7	1241.2	744.1	-12.6	731.5
		-18.00	500.4	670.2	1170.6	701.8	-12.6	689.2
		-18.50	455.0	713.0	1167.9	700.2	-12.6	687.6
		-19.00	659.4	746.5	1405.8	842.8	-12.6	830.2
		-19.50	726.2	797.4	1523.6	913.4	-12.6	900.8
		-20.00	936.2	851.8	1788.0	1072.0	-12.6	1059.3
		-20.50	1139.1	915.2	2054.3	1231.6	-12.6	1219.0
		-21.00	1125.7	985.9	2111.6	1266.0	-12.6	1253.3
		-21.50	1090.7	1056.6	2147.3	1287.4	-12.6	1274.7
		-22.00	964.5	1127.3	2091.8	1254.1	-12.6	1241.4
		-22.50	1016.3	1197.4	2213.7	1327.1	-12.6	1314.5
5 - Ontgraven tot	-8.36	-12.50	585.2	70.6	655.8	393.2	-12.4	380.8
		-13.00	486.8	125.0	611.8	366.8	-12.4	354.4
		-13.50	470.3	178.1	648.3	388.7	-12.4	376.3
		-14.00	454.1	232.4	686.5	411.5	-12.4	399.2
		-14.50	416.3	282.3	698.6	418.8	-12.4	406.5
		-15.00	425.8	311.7	737.5	442.1	-12.4	429.8
		-15.50	578.3	342.3	920.6	551.9	-12.4	539.6
		-16.00	562.1	389.7	951.9	570.7	-12.4	558.3
		-16.50	503.7	440.4	944.1	566.0	-12.4	553.7
		-17.00	545.5	476.7	1022.2	612.8	-12.4	600.5
		-17.50	516.2	527.4	1043.6	625.7	-12.4	613.3
		-18.00	489.6	579.8	1069.4	641.1	-12.4	628.8
		-18.50	474.6	616.8	1091.5	654.4	-12.4	642.0
		-19.00	478.6	648.6	1127.2	675.8	-12.4	663.4
		-19.50	499.8	680.6	1180.4	707.6	-12.4	695.3
		-20.00	693.5	715.3	1408.8	844.6	-12.4	832.3
		-20.50	985.1	769.0	1754.1	1051.6	-12.4	1039.3
6 - Ontgraven tot	-8.36	-12.50	627.5	67.0	694.5	416.4	-13.4	403.0
		-13.00	497.5	122.1	619.6	371.4	-13.4	358.0
		-13.50	484.6	176.5	661.2	396.4	-13.4	383.0
		-14.00	476.2	228.6	704.7	422.5	-13.4	409.1
		-14.50	437.8	278.5	716.3	429.4	-13.4	416.0
		-15.00	513.5	309.7	823.2	493.5	-13.4	480.1
		-15.50	554.3	350.7	905.0	542.5	-13.4	529.1
		-16.00	537.2	403.0	940.2	563.7	-13.4	550.2
		-16.50	520.2	449.9	970.0	581.6	-13.4	568.1
		-17.00	484.2	492.7	976.9	585.7	-13.4	572.3
		-17.50	594.2	526.9	1121.0	672.1	-13.4	658.6
		-18.00	623.7	572.2	1195.9	717.0	-13.4	703.5
		-18.50	712.7	617.5	1330.2	797.5	-13.4	784.1
		-19.00	776.0	670.6	1446.6	867.3	-13.4	853.8
		-19.50	775.2	727.2	1502.4	900.7	-13.4	887.3
		-20.00	1297.2	782.2	2079.4	1246.7	-13.4	1233.2
		-20.50	1269.8	852.7	2122.6	1272.5	-13.4	1259.1
		-21.00	1267.5	923.4	2191.0	1313.5	-13.4	1300.1
		-21.50	1274.6	994.1	2268.7	1360.1	-13.4	1346.7



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
6 - Ontgraven tot	-8.36	-22.00	1259.7	1064.8	2324.5	1393.6	-13.4	1380.2
		-22.50	1149.5	1135.5	2285.0	1369.9	-13.4	1356.5
7 - Ontgraven tot	-8.36	-12.50	677.8	72.9	750.7	450.0	-13.4	436.6
		-13.00	656.5	127.7	784.2	470.2	-13.4	456.7
		-13.50	591.2	184.1	775.3	464.8	-13.4	451.4
		-14.00	584.5	237.7	822.2	492.9	-13.4	479.5
		-14.50	561.0	294.1	855.1	512.6	-13.4	499.2
		-15.00	529.7	345.0	874.7	524.4	-13.4	511.0
		-15.50	562.1	382.6	944.8	566.4	-13.4	553.0
		-16.00	493.1	427.7	920.7	552.0	-13.4	538.6
		-16.50	431.0	481.3	912.3	546.9	-13.4	533.5
		-17.00	444.3	509.4	953.7	571.8	-13.4	558.4
		-17.50	436.4	546.0	982.4	588.9	-13.4	575.5
		-18.00	470.1	580.0	1050.0	629.5	-13.4	616.1
		-18.50	441.3	623.5	1064.8	638.3	-13.4	624.9
		-19.00	495.9	656.8	1152.6	691.0	-13.4	677.6
		-19.50	765.5	696.7	1462.2	876.6	-13.4	863.2
		-20.00	706.0	753.2	1459.2	874.8	-13.4	861.4
		-20.50	601.0	809.1	1410.1	845.4	-13.4	832.0
		-21.00	1169.7	853.7	2023.4	1213.1	-13.4	1199.7
		-21.50	1251.6	921.7	2173.3	1302.9	-13.4	1289.5
8 - Ontgraven tot	-8.36	-12.50	507.5	68.1	575.6	345.1	-12.4	332.7
		-13.00	473.0	117.5	590.5	354.0	-12.4	341.7
		-13.50	404.0	173.8	577.8	346.4	-12.4	334.1
		-14.00	382.5	219.3	601.8	360.8	-12.4	348.4
		-14.50	383.3	254.8	638.1	382.6	-12.4	370.2
		-15.00	381.1	285.5	666.7	399.7	-12.4	387.3
		-15.50	382.5	311.4	693.9	416.0	-12.4	403.7
		-16.00	426.0	335.4	761.4	456.5	-12.4	444.1
		-16.50	394.3	364.0	758.3	454.6	-12.4	442.3
		-17.00	371.5	401.3	772.7	463.3	-12.4	450.9
		-17.50	352.1	435.4	787.5	472.1	-12.4	459.8
		-18.00	339.0	460.7	799.7	479.4	-12.4	467.1
		-18.50	349.1	481.2	830.3	497.8	-12.4	485.4
		-19.00	410.8	502.6	913.4	547.6	-12.4	535.2
		-19.50	690.7	530.0	1220.7	731.9	-12.4	719.5
		-20.00	930.7	584.5	1515.2	908.4	-12.4	896.1
		-20.50	1161.9	652.3	1814.2	1087.7	-12.4	1075.3
		-21.00	1330.5	723.0	2053.5	1231.1	-12.4	1218.8
		-21.50	1336.6	793.7	2130.3	1277.1	-12.4	1264.8
		-22.00	1228.4	864.4	2092.8	1254.7	-12.4	1242.4
		-22.50	1461.7	935.1	2396.7	1436.9	-12.4	1424.5
9 - Ontgraven tot	-8.36	-12.50	601.2	68.6	669.9	401.6	-13.1	388.5
		-13.00	500.4	124.0	624.4	374.3	-13.1	361.2
		-13.50	482.6	178.5	661.0	396.3	-13.1	383.2
		-14.00	436.1	233.3	669.4	401.3	-13.1	388.2
		-14.50	417.0	278.5	695.4	416.9	-13.1	403.8
		-15.00	391.6	312.7	704.3	422.2	-13.1	409.1
		-15.50	386.0	345.2	731.2	438.3	-13.1	425.2
		-16.00	378.7	374.1	752.9	451.4	-13.1	438.2
		-16.50	373.8	399.9	773.6	463.8	-13.1	450.7
		-17.00	373.4	424.3	797.7	478.2	-13.1	465.1
		-17.50	382.1	448.3	830.4	497.9	-13.1	484.8
		-18.00	367.8	474.8	842.6	505.1	-13.1	492.0
		-18.50	465.9	497.3	963.2	577.4	-13.1	564.3
		-19.00	614.0	531.8	1145.8	686.9	-13.1	673.8
		-19.50	949.6	582.8	1532.4	918.7	-13.1	905.6
		-20.00	892.6	653.5	1546.0	926.9	-13.1	913.8
		-20.50	864.5	722.5	1587.0	951.4	-13.1	938.3
		-21.00	1203.2	788.6	1991.8	1194.1	-13.1	1181.0
		-21.50	1361.7	859.2	2221.0	1331.5	-13.1	1318.4
		-22.00	1350.5	929.9	2280.5	1367.2	-13.1	1354.1
		-22.50	1255.8	1000.6	2256.4	1352.8	-13.1	1339.7
10 - Ontgraven tot	-8.36	-12.50	534.7	58.3	593.0	355.5	-13.1	342.4
		-13.00	535.3	110.1	645.4	386.9	-13.1	373.8
		-13.50	513.7	162.3	676.0	405.2	-13.1	392.1
		-14.00	533.7	201.2	734.9	440.6	-13.1	427.5



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-14.50	495.7	246.1	741.8	444.7	-13.1	431.6
		-15.00	490.5	295.5	786.0	471.2	-13.1	458.1
		-15.50	476.0	342.1	818.1	490.5	-13.1	477.3
		-16.00	430.0	383.6	813.6	487.8	-13.1	474.7
		-16.50	523.8	413.0	936.9	561.7	-13.1	548.6
		-17.00	485.2	460.9	946.1	567.2	-13.1	554.1
		-17.50	556.4	494.0	1050.4	629.7	-13.1	616.6
		-18.00	716.6	537.5	1254.1	751.9	-13.1	738.8
		-18.50	619.9	594.1	1214.0	727.8	-13.1	714.7
		-19.00	491.6	645.0	1136.6	681.4	-13.1	668.3
		-19.50	584.2	678.4	1262.6	756.9	-13.1	743.8
		-20.00	663.1	721.8	1384.9	830.3	-13.1	817.2
		-20.50	713.2	772.0	1485.2	890.4	-13.1	877.3
		-21.00	965.5	823.8	1789.2	1072.7	-13.1	1059.6
		-21.50	1304.6	890.9	2195.5	1316.3	-13.1	1303.2
		-22.00	1357.7	961.6	2319.3	1390.5	-13.1	1377.3
		-22.50	1366.8	1032.3	2399.1	1438.3	-13.1	1425.2
11 - Ontgraven tot	-8.36	-12.50	466.9	50.0	516.9	309.9	-13.1	296.8
		-13.00	421.4	99.7	521.1	312.4	-13.1	299.3
		-13.50	398.9	155.7	554.6	332.5	-13.1	319.4
		-14.00	391.6	197.3	588.8	353.0	-13.1	339.9
		-14.50	372.1	233.5	605.5	363.0	-13.1	349.9
		-15.00	425.5	257.8	683.4	409.7	-13.1	396.6
		-15.50	749.0	290.0	1039.0	622.9	-13.1	609.8
		-16.00	742.5	346.0	1088.4	652.5	-13.1	639.4
		-16.50	620.2	402.5	1022.7	613.1	-13.1	600.0
		-17.00	559.0	457.4	1016.4	609.4	-13.1	596.2
		-17.50	539.7	506.4	1046.1	627.2	-13.1	614.1
		-18.00	496.0	561.2	1057.2	633.8	-13.1	620.7
		-18.50	464.5	601.9	1066.3	639.3	-13.1	626.2
		-19.00	512.5	633.7	1146.2	687.2	-13.1	674.1
		-19.50	703.8	670.6	1374.3	823.9	-13.1	810.8
		-20.00	1595.9	726.5	2322.4	1392.3	-13.1	1379.2
		-20.50	1540.7	797.2	2337.9	1401.6	-13.1	1388.5
		-21.00	1324.5	867.9	2192.4	1314.4	-13.1	1301.2
		-21.50	1274.5	938.6	2213.1	1326.8	-13.1	1313.7
		-22.00	1231.7	1009.2	2240.9	1343.5	-13.1	1330.4
		-22.50	1166.5	1079.9	2246.5	1346.8	-13.1	1333.7
12 - Ontgraven tot	-8.36	-12.50	589.1	61.3	650.4	389.9	-12.4	377.6
		-13.00	587.2	115.7	702.9	421.4	-12.4	409.0
		-13.50	556.2	172.2	728.4	436.7	-12.4	424.3
		-14.00	541.3	223.6	764.9	458.6	-12.4	446.2
		-14.50	581.6	265.5	847.0	507.8	-12.4	495.5
		-15.00	597.6	311.3	908.9	544.9	-12.4	532.6
		-15.50	546.6	367.8	914.4	548.2	-12.4	535.9
		-16.00	544.7	412.6	957.3	573.9	-12.4	561.6
		-16.50	508.2	459.6	967.8	580.2	-12.4	567.9
		-17.00	491.2	504.0	995.2	596.6	-12.4	584.3
		-17.50	507.2	537.9	1045.1	626.6	-12.4	614.2
		-18.00	468.0	581.2	1049.3	629.1	-12.4	616.7
		-18.50	593.8	615.5	1209.3	725.0	-12.4	712.6
		-19.00	647.8	662.0	1309.7	785.2	-12.4	772.9
		-19.50	751.9	711.3	1463.1	877.2	-12.4	864.8
		-20.00	730.8	763.7	1494.5	896.0	-12.4	883.6
		-20.50	714.1	818.7	1532.7	918.9	-12.4	906.6
		-21.00	755.7	871.0	1626.6	975.2	-12.4	962.9
		-21.50	858.1	927.4	1785.6	1070.5	-12.4	1058.1
		-22.00	1069.0	990.9	2059.9	1235.0	-12.4	1222.6
		-22.50	1043.8	1061.6	2105.3	1262.2	-12.4	1249.8
13 - Ontgraven tot	-8.36	-12.50	452.3	65.8	518.1	310.6	-12.4	298.3
		-13.00	441.9	121.5	563.4	337.8	-12.4	325.4
		-13.50	420.3	172.3	592.6	355.3	-12.4	342.9
		-14.00	416.9	209.5	626.4	375.5	-12.4	363.2
		-14.50	489.4	241.9	731.3	438.4	-12.4	426.1
		-15.00	501.2	278.7	779.9	467.6	-12.4	455.2
		-15.50	652.2	315.8	968.1	580.4	-12.4	568.0
		-16.00	649.8	367.2	1017.0	609.7	-12.4	597.4



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
13 - Ontgraven tot	-8.36	-16.50	616.6	419.9	1036.5	621.4	-12.4	609.0
		-17.00	632.6	465.4	1098.0	658.3	-12.4	645.9
		-17.50	603.8	519.4	1123.3	673.4	-12.4	661.1
		-18.00	592.5	565.4	1157.9	694.2	-12.4	681.8
		-18.50	659.4	607.1	1266.5	759.3	-12.4	746.9
		-19.00	795.0	656.0	1451.0	869.9	-12.4	857.5
		-19.50	765.9	712.5	1478.5	886.4	-12.4	874.0
		-20.00	799.9	768.6	1568.5	940.4	-12.4	928.0
		-20.50	821.4	826.1	1647.5	987.7	-12.4	975.3
		-21.00	804.1	884.6	1688.7	1012.4	-12.4	1000.1
		-21.50	1091.2	944.5	2035.7	1220.4	-12.4	1208.1
		-22.00	1491.4	1014.9	2506.2	1502.5	-12.4	1490.2
		-22.50	1460.7	1085.6	2546.2	1526.5	-12.4	1514.2
14 - Ontgraven tot	-8.36	-12.50	498.3	71.2	569.5	341.4	-12.4	329.1
		-13.00	463.0	127.2	590.2	353.8	-12.4	341.5
		-13.50	453.0	180.7	633.6	379.9	-12.4	367.5
		-14.00	461.6	218.0	679.7	407.5	-12.4	395.1
		-14.50	455.2	259.1	714.2	428.2	-12.4	415.9
		-15.00	512.1	295.4	807.5	484.1	-12.4	471.8
		-15.50	711.7	334.5	1046.2	627.2	-12.4	614.9
		-16.00	690.9	390.1	1081.1	648.1	-12.4	635.8
		-16.50	590.4	446.5	1036.9	621.6	-12.4	609.3
		-17.00	640.7	489.0	1129.7	677.3	-12.4	664.9
		-17.50	673.4	537.3	1210.7	725.9	-12.4	713.5
		-18.00	636.1	588.0	1224.1	733.9	-12.4	721.5
		-18.50	464.9	636.9	1101.7	660.5	-12.4	648.2
		-19.00	439.3	701.0	1140.2	683.6	-12.4	671.2
		-19.50	386.3	765.0	1151.3	690.2	-12.4	677.9
		-20.00	291.5	822.0	1113.5	667.6	-12.4	655.2
		-20.50	516.9	855.9	1372.8	823.0	-12.4	810.7
		-21.00	511.1	901.4	1412.4	846.8	-12.4	834.4
		-21.50	468.8	956.6	1425.3	854.5	-12.4	842.2
		-22.00	539.5	996.5	1536.0	920.8	-12.4	908.5
		-22.50	1232.1	1045.2	2277.2	1365.3	-12.4	1352.9
15 - Ontgraven tot	-8.36	-12.50	518.3	99.9	618.2	370.7	-10.4	360.2
		-13.00	510.4	155.4	665.8	399.1	-10.4	388.7
		-13.50	528.0	197.1	725.1	434.7	-10.4	424.2
		-14.00	534.6	245.9	780.5	468.0	-10.4	457.5
		-14.50	586.9	287.6	874.4	524.2	-10.4	513.8
		-15.00	558.5	339.6	898.1	538.4	-10.4	528.0
		-15.50	600.4	381.3	981.7	588.6	-10.4	578.1
		-16.00	804.3	427.8	1232.0	738.6	-10.4	728.2
		-16.50	729.2	484.7	1213.8	727.7	-10.4	717.3
		-17.00	671.6	546.1	1217.8	730.1	-10.4	719.6
		-17.50	671.0	608.1	1279.1	766.8	-10.4	756.4
		-18.00	619.3	670.4	1289.7	773.2	-10.4	762.8
		-18.50	543.9	725.4	1269.2	760.9	-10.4	750.5
		-19.00	628.6	764.9	1393.5	835.4	-10.4	825.0
		-19.50	599.5	819.4	1418.9	850.6	-10.4	840.2
		-20.00	563.2	867.5	1430.7	857.7	-10.4	847.3
		-20.50	560.5	911.5	1472.0	882.5	-10.4	872.1
		-21.00	540.1	962.7	1502.9	901.0	-10.4	890.6
		-21.50	446.3	1009.1	1455.4	872.5	-10.4	862.1
		-22.00	1203.5	1041.0	2244.4	1345.6	-10.4	1335.1
		-22.50	1285.4	1111.0	2396.3	1436.6	-10.4	1426.2
16 - Ontgraven tot	-8.36	-12.50	461.4	82.3	543.8	326.0	-10.6	315.4
		-13.00	431.9	138.9	570.8	342.2	-10.6	331.6
		-13.50	434.1	182.4	616.6	369.7	-10.6	359.1
		-14.00	424.7	221.6	646.3	387.5	-10.6	376.9
		-14.50	458.4	253.6	712.0	426.8	-10.6	416.2
		-15.00	500.6	286.4	787.0	471.8	-10.6	461.2
		-15.50	729.0	324.7	1053.7	631.7	-10.6	621.1
		-16.00	691.8	378.2	1070.0	641.5	-10.6	630.9
		-16.50	654.6	434.4	1088.9	652.8	-10.6	642.2
		-17.00	570.1	490.9	1061.0	636.1	-10.6	625.5
		-17.50	508.9	546.1	1055.1	632.5	-10.6	621.9
		-18.00	539.1	581.6	1120.8	671.9	-10.6	661.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
16 - Ontgraven tot	-8.36	-18.50	800.0	622.8	1422.8	853.0	-10.6	842.4
		-19.00	765.3	682.4	1447.7	867.9	-10.6	857.3
		-19.50	745.9	743.3	1489.2	892.8	-10.6	882.2
		-20.00	720.0	803.3	1523.4	913.3	-10.6	902.7
		-20.50	710.1	857.7	1567.8	939.9	-10.6	929.3
		-21.00	782.9	912.4	1695.3	1016.4	-10.6	1005.8
		-21.50	1272.4	972.0	2244.4	1345.6	-10.6	1335.0
		-22.00	918.0	1042.7	1960.7	1175.5	-10.6	1164.9
		-22.50	793.0	1113.4	1906.4	1142.9	-10.6	1132.3
17 - Ontgraven tot	-8.36	-12.50	537.5	77.0	614.6	368.4	-11.6	356.8
		-13.00	489.6	131.6	621.3	372.5	-11.6	360.8
		-13.50	483.0	185.1	668.1	400.5	-11.6	388.9
		-14.00	484.4	230.5	714.9	428.6	-11.6	417.0
		-14.50	488.6	271.7	760.3	455.8	-11.6	444.2
		-15.00	575.3	310.1	885.4	530.8	-11.6	519.2
		-15.50	712.2	352.6	1064.7	638.3	-11.6	626.7
		-16.00	758.8	405.1	1163.9	697.8	-11.6	686.2
		-16.50	776.1	461.0	1237.1	741.7	-11.6	730.1
		-17.00	802.2	518.9	1321.1	792.0	-11.6	780.4
		-17.50	793.0	580.5	1373.6	823.5	-11.6	811.9
		-18.00	763.2	640.0	1403.1	841.2	-11.6	829.6
		-18.50	923.7	695.7	1619.4	970.9	-11.6	959.3
		-19.00	826.4	752.5	1578.9	946.6	-11.6	935.0
		-19.50	943.0	809.4	1752.4	1050.6	-11.6	1039.0
		-20.00	902.5	866.2	1768.7	1060.4	-11.6	1048.8
		-20.50	904.5	922.3	1826.7	1095.2	-11.6	1083.6
		-21.00	1492.7	982.7	2475.4	1484.0	-11.6	1472.4
		-21.50	1590.6	1052.5	2643.0	1584.6	-11.6	1573.0
		-22.00	1626.5	1123.2	2749.6	1648.5	-11.6	1636.9
		-22.50	1816.4	1193.8	3010.2	1804.7	-11.6	1793.1
18 - Ontgraven tot	-8.36	-12.50	512.0	67.1	579.2	347.2	-12.4	334.9
		-13.00	514.5	119.6	634.1	380.2	-12.4	367.8
		-13.50	462.3	175.3	637.6	382.3	-12.4	369.9
		-14.00	408.0	223.4	631.5	378.6	-12.4	366.2
		-14.50	414.6	258.2	672.7	403.3	-12.4	391.0
		-15.00	406.0	299.3	705.3	422.8	-12.4	410.5
		-15.50	383.3	334.4	717.8	430.3	-12.4	418.0
		-16.00	402.1	359.2	761.3	456.4	-12.4	444.1
		-16.50	512.6	385.7	898.2	538.5	-12.4	526.2
		-17.00	844.5	423.1	1267.6	760.0	-12.4	747.6
		-17.50	867.9	486.3	1354.2	811.8	-12.4	799.5
		-18.00	833.8	557.0	1390.8	833.8	-12.4	821.5
		-18.50	668.2	627.7	1295.9	776.9	-12.4	764.5
		-19.00	676.3	687.8	1364.1	817.8	-12.4	805.4
		-19.50	734.2	735.5	1469.7	881.1	-12.4	868.7
		-20.00	631.7	791.2	1422.9	853.1	-12.4	840.7
		-20.50	744.3	840.3	1584.6	950.0	-12.4	937.6
		-21.00	949.3	896.4	1845.7	1106.5	-12.4	1094.2
		-21.50	910.2	962.1	1872.3	1122.5	-12.4	1110.1
		-22.00	876.7	1027.7	1904.4	1141.7	-12.4	1129.4
		-22.50	1399.2	1094.9	2494.2	1495.3	-12.4	1483.0
19 - Ontgraven tot	-8.36	-12.50	554.9	91.5	646.3	387.5	-11.6	375.9
		-13.00	499.2	148.0	647.2	388.0	-11.6	376.8
		-13.50	508.2	193.1	701.2	420.4	-11.6	404.8
		-14.00	525.2	232.6	757.8	454.3	-11.6	442.7
		-14.50	509.7	283.2	792.9	475.4	-11.6	463.8
		-15.00	550.8	324.0	874.8	524.5	-11.6	512.9
		-15.50	527.6	370.0	897.6	538.1	-11.6	526.5
		-16.00	516.0	415.3	931.2	558.3	-11.6	546.7
		-16.50	502.0	456.6	958.6	574.7	-11.6	563.1
		-17.00	514.0	494.1	1008.1	604.4	-11.6	592.8
		-17.50	1211.0	536.3	1747.4	1047.6	-11.6	1036.0
		-18.00	1109.7	607.0	1716.7	1029.2	-11.6	1017.6
		-18.50	1005.7	677.7	1683.4	1009.2	-11.6	997.6
		-19.00	822.7	748.4	1571.1	941.9	-11.6	930.3
		-19.50	645.6	814.8	1460.4	875.6	-11.6	864.0
		-20.00	802.3	864.9	1667.2	999.5	-11.6	987.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maai veld	paalpunt	Bezwijk draagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
19 - Ontgraven tot	-8.36	-20.50	730.0	921.4	1651.4	990.1	-11.6	978.5
		-21.00	1024.9	980.3	2005.2	1202.2	-11.6	1190.6
		-21.50	986.8	1051.0	2037.8	1221.7	-11.6	1210.1
		-22.00	1229.3	1121.1	2350.3	1409.1	-11.6	1397.5
		-22.50	1114.9	1191.7	2306.7	1382.9	-11.6	1371.3

REKENGEGEVENS 550 o

Berekening : Ontwerpend
 Rekenmethode : Drukpalen volgens NEN-EN 1997-1, art. 7.6.2
 Sondering(en) : 1 - Ontgraven tot -8.36, 2 - Ontgraven tot -8.36
 : 3 - Ontgraven tot -8.36, 4 - Ontgraven tot -8.36
 : 5 - Ontgraven tot -8.36, 6 - Ontgraven tot -8.36
 : 7 - Ontgraven tot -8.36, 8 - Ontgraven tot -8.36
 : 9 - Ontgraven tot -8.36, 10 - Ontgraven tot -8.36
 : 11 - Ontgraven tot -8.36, 12 - Ontgraven tot -8.36
 : 13 - Ontgraven tot -8.36, 14 - Ontgraven tot -8.36
 : 15 - Ontgraven tot -8.36, 16 - Ontgraven tot -8.36
 : 17 - Ontgraven tot -8.36, 18 - Ontgraven tot -8.36
 : 19 - Ontgraven tot -8.36

Stijf bouwwerk : NEE
 Paalgroep : NEE
 Aantal sonderingen : 19
 Factor ξ_3 (n=1) : 1.39 (handmatig)
 Factor ξ_3 (gem) : 1.39 (handmatig)
 Factor ξ_4 (min) : 1.39 (handmatig)
 Weerstandsfactor γ_R : 1.20
 $\gamma_{f,nk}$: 1.0
 $R_{s;cal;max;i}$ begrenzen op $0.75 * R_{b;cal;max;i}$: NEE
 UGT draagvermogen zonder negatieve kleef : NEE

Paal : 550
 Niveau paalkop [m] : N.A.P. 0.00
 Bovenbel. [kN/m²] : 0.00

PAALPUNTNIVEAUS 550

Alle niveaus/hoogtes/peilmaten zijn t.o.v. : N.A.P.

Nr	Beginniveau [m]	Eindniveau [m]	Stapgrootte [m]
1	-13.00	-22.50	0.50



SAMENVATTINGSTABEL 550 o (n=1)

Uitgangspunten

- paal : 550
 - paaltype : Avegaarpaal
 - schachtafmeting : 550 mm
 Paalklassefactor α_p : 0.56
 Factor α_s (tabel 7.c EC 7.1) : 0.006 (zandlagen; voor kleilagen zie tabel 7.d)
 Correlatiefactor ξ_3 (n=1) : 1.39

Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b,cal}$ [kN]	$R_{s,cal}$ [kN]	$R_{c,cal}$ [kN]	$R_{c,d}$ [kN]	$F_{nk,d}$ [kN]	$R_{c,netto,d}$ [kN]
1 - Ontgraven tot	-8.36	-13.00	687.2	137.6	824.8	494.5	-13.6	480.9
		-13.50	618.2	199.8	817.9	490.4	-13.6	476.8
		-14.00	556.5	261.5	818.0	490.4	-13.6	476.8
		-14.50	564.0	306.4	870.3	521.8	-13.6	508.2
		-15.00	555.4	358.1	913.6	547.7	-13.6	534.1
		-15.50	516.6	411.1	927.7	556.2	-13.6	542.6
		-16.00	507.2	444.7	951.9	570.7	-13.6	557.1
		-16.50	695.6	475.3	1170.8	701.9	-13.6	688.3
		-17.00	815.5	519.7	1335.2	800.5	-13.6	786.9
		-17.50	847.6	575.6	1423.2	853.2	-13.6	839.7
		-18.00	790.7	645.1	1435.8	860.8	-13.6	847.2
		-18.50	689.6	714.5	1404.1	841.8	-13.6	828.2
		-19.00	703.4	761.4	1464.7	878.1	-13.6	864.6
		-19.50	685.3	813.2	1498.4	898.4	-13.6	884.8
		-20.00	893.3	861.2	1754.4	1051.8	-13.6	1038.2
		-20.50	885.0	923.2	1808.2	1084.0	-13.6	1070.4
		-21.00	1432.9	986.2	2419.1	1450.3	-13.6	1436.7
		-21.50	1443.5	1063.9	2507.5	1503.3	-13.6	1489.7
		-22.00	1557.0	1141.7	2698.7	1617.9	-13.6	1604.3
		-22.50	1660.4	1219.4	2879.8	1726.5	-13.6	1712.9
2 - Ontgraven tot	-8.36	-13.00	551.5	121.3	672.8	403.3	-15.0	388.3
		-13.50	543.2	177.5	720.7	432.1	-15.0	417.1
		-14.00	529.5	228.1	757.6	454.2	-15.0	439.2
		-14.50	532.5	266.4	799.0	479.0	-15.0	464.0
		-15.00	596.8	301.1	897.9	538.3	-15.0	523.3
		-15.50	603.9	342.7	946.6	567.5	-15.0	552.5
		-16.00	605.5	385.2	990.7	594.0	-15.0	578.9
		-16.50	580.1	430.4	1010.5	605.8	-15.0	590.8
		-17.00	590.8	466.8	1057.7	634.1	-15.0	619.1
		-17.50	775.7	504.0	1279.7	767.2	-15.0	752.2
		-18.00	715.2	563.9	1279.1	766.8	-15.0	751.8
		-18.50	851.4	615.0	1466.4	879.1	-15.0	864.1
		-19.00	843.2	674.9	1518.1	910.1	-15.0	895.1
		-19.50	844.5	729.9	1574.3	943.9	-15.0	928.8
		-20.00	811.2	791.1	1602.3	960.6	-15.0	945.6
		-20.50	793.9	847.9	1641.8	984.3	-15.0	969.3
		-21.00	1584.3	905.9	2490.2	1493.0	-15.0	1477.9
		-21.50	1586.5	983.7	2570.1	1540.8	-15.0	1525.8
		-22.00	1524.2	1061.4	2585.6	1550.1	-15.0	1535.1
		-22.50	1497.0	1139.2	2636.2	1580.4	-15.0	1565.4
3 - Ontgraven tot	-8.36	-13.00	575.8	137.8	713.6	427.8	-14.4	413.4
		-13.50	534.9	200.0	734.9	440.6	-14.4	426.2
		-14.00	521.8	253.4	775.2	464.7	-14.4	450.3
		-14.50	518.5	297.4	815.9	489.2	-14.4	474.7
		-15.00	527.0	332.3	859.3	515.2	-14.4	500.7
		-15.50	535.7	365.4	901.0	540.2	-14.4	525.8
		-16.00	569.8	397.8	967.5	580.0	-14.4	565.6
		-16.50	547.1	436.6	983.7	589.8	-14.4	575.3
		-17.00	654.5	469.4	1123.9	673.8	-14.4	659.4
		-17.50	763.6	512.0	1275.7	764.8	-14.4	750.4
		-18.00	660.1	572.4	1232.5	738.9	-14.4	724.5
		-18.50	601.0	634.5	1235.5	740.7	-14.4	726.3
		-19.00	546.3	693.4	1239.7	743.2	-14.4	728.8
		-19.50	540.7	732.2	1272.9	763.1	-14.4	748.7
		-20.00	493.3	773.8	1267.1	759.7	-14.4	745.2
		-20.50	996.7	803.8	1800.4	1079.4	-14.4	1065.0
		-21.00	1437.4	872.2	2309.7	1384.7	-14.4	1370.3



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
3 - Ontgraven tot	-8.36	-21.50	1431.8	950.0	2381.7	1427.9	-14.4	1413.5
		-22.00	1374.2	1027.7	2401.9	1440.0	-14.4	1425.6
		-22.50	1343.8	1105.5	2449.3	1468.4	-14.4	1454.0
		-13.00	707.2	138.7	845.9	507.1	-13.9	493.3
4 - Ontgraven tot	-8.36	-13.50	723.2	193.2	916.4	549.4	-13.9	535.5
		-14.00	798.8	246.2	1045.0	626.5	-13.9	612.6
		-14.50	813.1	304.2	1117.4	669.9	-13.9	656.0
		-15.00	829.5	361.8	1191.3	714.2	-13.9	700.3
		-15.50	959.8	422.2	1382.0	828.6	-13.9	814.7
		-16.00	1042.6	484.5	1527.1	915.5	-13.9	901.6
		-16.50	784.9	556.2	1341.1	804.0	-13.9	790.2
		-17.00	773.9	619.5	1393.5	835.4	-13.9	821.5
		-17.50	761.5	675.0	1436.5	861.2	-13.9	847.3
		-18.00	605.5	737.2	1342.7	805.0	-13.9	791.1
		-18.50	557.0	784.3	1341.2	804.1	-13.9	790.2
		-19.00	797.8	821.1	1619.0	970.6	-13.9	956.7
		-19.50	878.7	877.1	1755.8	1052.7	-13.9	1038.8
		-20.00	1152.9	937.0	2089.9	1252.9	-13.9	1239.0
		-20.50	1378.3	1006.7	2385.1	1429.9	-13.9	1416.0
		-21.00	1370.1	1084.5	2454.6	1471.6	-13.9	1457.7
		-21.50	1319.8	1162.3	2482.0	1488.0	-13.9	1474.1
		-22.00	1167.0	1240.0	2407.0	1443.1	-13.9	1429.2
		-22.50	1240.9	1317.1	2558.0	1533.6	-13.9	1519.7
5 - Ontgraven tot	-8.36	-13.00	571.9	137.5	709.3	425.3	-13.6	411.7
		-13.50	562.2	195.9	758.1	454.5	-13.6	440.9
		-14.00	541.4	255.6	797.0	477.8	-13.6	464.2
		-14.50	494.6	310.5	805.1	482.7	-13.6	469.1
		-15.00	509.1	342.9	851.9	510.7	-13.6	497.2
		-15.50	683.8	376.6	1060.3	635.7	-13.6	622.1
		-16.00	680.2	428.7	1108.9	664.8	-13.6	651.2
		-16.50	612.2	484.5	1096.6	657.5	-13.6	643.9
		-17.00	652.1	524.4	1176.4	705.3	-13.6	691.7
		-17.50	622.5	580.1	1202.6	721.0	-13.6	707.4
		-18.00	592.4	637.7	1230.2	737.5	-13.6	723.9
		-18.50	574.3	678.5	1252.8	751.1	-13.6	737.5
		-19.00	580.5	713.5	1294.0	775.8	-13.6	762.2
		-19.50	607.2	748.6	1355.9	812.9	-13.6	799.3
		-20.00	853.3	786.8	1640.1	983.3	-13.6	969.7
		-20.50	1243.6	845.9	2089.5	1252.7	-13.6	1239.1
		-21.00	1718.8	920.1	2638.9	1582.1	-13.6	1568.5
		-21.50	1703.2	997.9	2701.0	1619.3	-13.6	1605.7
		-22.00	1639.3	1075.6	2714.9	1627.7	-13.6	1614.1
		-22.50	1610.2	1153.4	2763.5	1656.8	-13.6	1643.2
6 - Ontgraven tot	-8.36	-13.00	589.0	134.3	723.2	433.6	-14.8	418.8
		-13.50	579.8	194.2	774.0	464.0	-14.8	449.3
		-14.00	568.3	251.5	819.7	491.4	-14.8	476.7
		-14.50	520.8	306.3	827.1	495.9	-14.8	481.1
		-15.00	630.8	340.7	971.5	582.4	-14.8	567.6
		-15.50	667.1	385.8	1052.9	631.2	-14.8	616.5
		-16.00	650.1	443.3	1093.3	655.5	-14.8	640.7
		-16.50	629.4	494.8	1124.3	674.0	-14.8	659.3
		-17.00	588.7	542.0	1130.7	677.9	-14.8	663.1
		-17.50	731.0	579.5	1310.6	785.7	-14.8	770.9
		-18.00	754.3	629.5	1383.8	829.6	-14.8	814.9
		-18.50	871.4	679.2	1550.6	929.6	-14.8	914.9
		-19.00	938.9	737.7	1676.6	1005.2	-14.8	990.4
		-19.50	938.0	799.9	1737.9	1041.9	-14.8	1027.1
		-20.00	1569.7	860.4	2430.1	1456.9	-14.8	1442.1
		-20.50	1536.5	938.0	2474.5	1483.5	-14.8	1468.8
		-21.00	1533.7	1015.8	2549.5	1528.5	-14.8	1513.7
		-21.50	1542.3	1093.5	2635.8	1580.2	-14.8	1565.4
		-22.00	1524.3	1171.3	2695.5	1616.0	-14.8	1601.3
		-22.50	1391.6	1249.0	2640.6	1583.1	-14.8	1568.3
7 - Ontgraven tot	-8.36	-13.00	735.3	140.5	875.8	525.0	-14.8	510.3
		-13.50	699.4	202.5	901.9	540.7	-14.8	525.9
		-14.00	699.1	261.4	960.5	575.8	-14.8	561.1
		-14.50	645.3	323.5	968.8	580.8	-14.8	566.0



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
7 - Ontgraven tot	-8.36	-15.00	632.0	379.5	1011.5	606.4	-14.8	591.7
		-15.50	607.3	420.9	1028.2	616.4	-14.8	601.7
		-16.00	596.6	470.4	1067.0	639.7	-14.8	625.0
		-16.50	521.5	529.4	1050.9	630.1	-14.8	615.3
		-17.00	537.6	560.4	1098.0	658.3	-14.8	643.5
		-17.50	547.5	600.6	1148.1	688.3	-14.8	673.5
		-18.00	568.8	638.0	1206.7	723.5	-14.8	708.7
		-18.50	534.0	685.8	1219.8	731.3	-14.8	716.5
		-19.00	626.6	722.4	1349.0	808.8	-14.8	794.0
		-19.50	926.2	766.3	1692.6	1014.7	-14.8	1000.0
		-20.00	854.2	828.5	1682.7	1008.8	-14.8	994.1
		-20.50	728.2	890.0	1618.2	970.2	-14.8	955.4
		-21.00	1434.5	939.1	2373.6	1423.0	-14.8	1408.2
8 - Ontgraven tot	-8.36	-13.00	543.5	129.2	672.7	403.3	-13.6	389.7
		-13.50	469.0	191.2	660.2	395.8	-13.6	382.2
		-14.00	454.3	241.2	695.5	417.0	-13.6	403.4
		-14.50	454.6	280.3	734.9	440.6	-13.6	427.0
		-15.00	452.1	314.1	766.2	459.4	-13.6	445.8
		-15.50	461.2	342.6	803.8	481.9	-13.6	468.3
		-16.00	493.7	369.0	862.7	517.2	-13.6	503.6
		-16.50	467.4	400.4	867.8	520.3	-13.6	506.7
		-17.00	451.5	441.4	892.9	535.3	-13.6	521.7
		-17.50	426.0	478.9	905.0	542.6	-13.6	529.0
		-18.00	410.2	506.8	917.0	549.7	-13.6	536.1
		-18.50	425.4	529.3	954.7	572.4	-13.6	558.8
		-19.00	500.8	552.8	1053.6	631.7	-13.6	618.1
		-19.50	853.9	583.0	1437.0	861.5	-13.6	847.9
		-20.00	1134.8	643.0	1777.7	1065.8	-13.6	1052.2
		-20.50	1412.0	717.6	2129.6	1276.8	-13.6	1263.2
		-21.00	1609.9	795.3	2405.2	1442.0	-13.6	1428.4
		-21.50	1617.2	873.1	2490.3	1493.0	-13.6	1479.4
9 - Ontgraven tot	-8.36	-13.00	592.2	136.4	728.7	436.8	-14.4	422.4
		-13.50	569.6	196.3	765.9	459.2	-14.4	444.8
		-14.00	508.9	256.7	765.6	459.0	-14.4	444.6
		-14.50	489.9	306.3	796.2	477.3	-14.4	462.9
		-15.00	460.5	344.0	804.5	482.3	-14.4	467.9
		-15.50	462.4	379.7	842.0	504.8	-14.4	490.4
		-16.00	458.3	411.6	869.8	521.5	-14.4	507.0
		-16.50	452.3	439.8	892.1	534.8	-14.4	520.4
		-17.00	456.5	466.7	923.1	553.4	-14.4	539.0
		-17.50	462.4	493.1	955.5	572.8	-14.4	558.4
		-18.00	445.7	522.3	968.0	580.3	-14.4	565.9
		-18.50	563.7	547.0	1110.7	665.9	-14.4	651.5
		-19.00	794.5	585.0	1379.4	827.0	-14.4	812.6
		-19.50	1149.0	641.1	1790.1	1073.2	-14.4	1058.7
10 - Ontgraven tot	-8.36	-13.00	642.2	121.2	763.3	457.6	-14.4	443.2
		-13.50	614.8	178.5	793.2	475.6	-14.4	461.1
		-14.00	598.2	221.3	819.5	491.3	-14.4	476.9
		-14.50	591.4	270.7	862.1	516.9	-14.4	502.4
		-15.00	584.7	325.0	909.7	545.4	-14.4	531.0
		-15.50	570.8	376.3	947.1	567.8	-14.4	553.4
		-16.00	521.9	422.0	943.9	565.9	-14.4	551.5
		-16.50	633.8	454.3	1088.2	652.4	-14.4	638.0
		-17.00	587.1	507.0	1094.1	655.9	-14.4	641.5
		-17.50	693.4	543.4	1236.8	741.5	-14.4	727.1
		-18.00	860.0	591.3	1451.3	870.1	-14.4	855.7
		-18.50	750.1	653.5	1403.6	841.5	-14.4	827.1
		-19.00	594.8	709.5	1304.3	781.9	-14.4	767.5
		-19.50	707.2	746.2	1453.4	871.4	-14.4	856.9



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
10 - Ontgraven tot	-8.36	-20.00	809.2	794.0	1603.2	961.1	-14.4	946.7
		-20.50	863.0	849.2	1712.2	1026.5	-14.4	1012.1
		-21.00	1203.9	906.1	2110.1	1265.0	-14.4	1250.6
		-21.50	1604.8	980.0	2584.8	1549.6	-14.4	1535.2
		-22.00	1642.8	1057.8	2700.5	1619.0	-14.4	1604.6
		-22.50	1653.8	1135.5	2789.3	1672.3	-14.4	1657.8
11 - Ontgraven tot	-8.36	-13.00	496.9	109.7	606.6	363.7	-14.4	349.2
		-13.50	475.8	171.3	647.1	387.9	-14.4	373.5
		-14.00	465.7	217.0	682.7	409.3	-14.4	394.9
		-14.50	440.9	256.8	697.8	418.3	-14.4	403.9
		-15.00	517.5	283.6	801.2	480.3	-14.4	465.9
		-15.50	904.9	319.0	1223.9	733.8	-14.4	719.3
		-16.00	877.4	380.6	1257.9	754.2	-14.4	739.7
		-16.50	714.0	442.8	1156.8	693.5	-14.4	679.1
		-17.00	676.1	503.1	1179.2	707.0	-14.4	692.5
		-17.50	653.9	557.1	1211.0	726.0	-14.4	711.6
		-18.00	600.1	617.3	1217.4	729.9	-14.4	715.5
		-18.50	562.0	662.1	1224.0	733.8	-14.4	719.4
		-19.00	620.1	697.1	1317.2	789.7	-14.4	775.3
		-19.50	867.8	737.6	1605.4	962.5	-14.4	948.0
		-20.00	1931.0	799.1	2730.2	1636.8	-14.4	1622.4
		-20.50	1758.9	876.9	2635.8	1580.2	-14.4	1565.8
		-21.00	1579.6	954.7	2534.2	1519.3	-14.4	1504.9
		-21.50	1543.2	1032.4	2575.7	1544.2	-14.4	1529.7
		-22.00	1490.4	1110.2	2600.5	1559.1	-14.4	1544.6
		-22.50	1411.5	1187.9	2599.4	1558.4	-14.4	1544.0
12 - Ontgraven tot	-8.36	-13.00	704.5	127.3	831.8	498.7	-13.6	485.1
		-13.50	665.7	189.5	855.1	512.7	-13.6	499.1
		-14.00	646.5	246.0	892.5	535.1	-13.6	521.5
		-14.50	709.8	292.0	1001.8	600.6	-13.6	587.0
		-15.00	699.1	342.4	1041.5	624.4	-13.6	610.8
		-15.50	662.1	404.6	1066.7	639.5	-13.6	625.9
		-16.00	630.0	453.9	1083.9	649.8	-13.6	636.2
		-16.50	614.9	505.6	1120.5	671.8	-13.6	658.2
		-17.00	594.3	554.4	1148.8	688.7	-13.6	675.1
		-17.50	613.8	591.7	1205.4	722.7	-13.6	709.1
		-18.00	577.9	639.4	1217.3	729.8	-13.6	716.2
		-18.50	718.4	677.1	1395.5	836.7	-13.6	823.1
		-19.00	783.8	728.2	1512.0	906.5	-13.6	892.9
		-19.50	890.9	782.4	1673.3	1003.2	-13.6	989.6
		-20.00	884.3	840.1	1724.3	1033.8	-13.6	1020.2
		-20.50	864.0	900.6	1764.6	1057.9	-13.6	1044.3
		-21.00	914.4	958.1	1872.4	1122.6	-13.6	1109.0
		-21.50	1072.9	1020.2	2093.0	1254.8	-13.6	1241.2
		-22.00	1293.5	1090.0	2383.5	1429.0	-13.6	1415.4
		-22.50	1263.0	1167.7	2430.7	1457.2	-13.6	1443.6
13 - Ontgraven tot	-8.36	-13.00	529.0	133.6	662.6	397.2	-13.6	383.7
		-13.50	501.5	189.5	691.0	414.3	-13.6	400.7
		-14.00	496.2	230.4	726.6	435.6	-13.6	422.0
		-14.50	582.9	266.1	849.0	509.0	-13.6	495.4
		-15.00	605.6	306.6	912.2	546.9	-13.6	533.3
		-15.50	785.9	347.4	1133.4	679.5	-13.6	665.9
		-16.00	775.5	403.9	1179.4	707.1	-13.6	693.5
		-16.50	750.6	461.9	1212.6	727.0	-13.6	713.4
		-17.00	765.5	511.9	1277.4	765.8	-13.6	752.3
		-17.50	730.7	571.4	1302.0	780.6	-13.6	767.0
		-18.00	717.7	622.0	1339.7	803.2	-13.6	789.6
		-18.50	798.7	667.8	1466.5	879.2	-13.6	865.6
		-19.00	962.0	721.6	1683.5	1009.3	-13.6	995.7
		-19.50	926.8	783.8	1710.6	1025.5	-13.6	1011.9
		-20.00	989.7	845.5	1835.2	1100.2	-13.6	1086.6
		-20.50	993.9	908.7	1902.6	1140.6	-13.6	1127.0
		-21.00	972.9	973.1	1946.0	1166.7	-13.6	1153.1
		-21.50	1336.8	1038.9	2375.7	1424.3	-13.6	1410.7
		-22.00	1805.5	1116.4	2921.8	1751.7	-13.6	1738.1
		-22.50	1768.5	1194.1	2962.7	1776.2	-13.6	1762.6



Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezuigdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
14 - Ontgraven tot	-8.36	-13.00	554.7	139.9	694.5	416.4	-13.6	402.8
		-13.50	541.2	198.8	739.9	443.6	-13.6	430.0
		-14.00	550.4	239.8	790.2	473.8	-13.6	460.2
		-14.50	561.9	285.0	846.9	507.7	-13.6	494.2
		-15.00	616.3	325.0	941.2	564.3	-13.6	550.7
		-15.50	846.4	367.9	1214.3	728.0	-13.6	714.4
		-16.00	836.0	429.2	1265.2	758.5	-13.6	744.9
		-16.50	714.3	491.1	1205.5	722.7	-13.6	709.1
		-17.00	775.2	537.9	1313.1	787.3	-13.6	773.7
		-17.50	814.9	591.0	1405.9	842.8	-13.6	829.3
		-18.00	552.0	646.8	1198.7	718.7	-13.6	705.1
		-18.50	560.9	700.5	1261.5	756.3	-13.6	742.7
		-19.00	531.5	771.0	1302.6	780.9	-13.6	767.3
		-19.50	467.4	841.6	1308.9	784.7	-13.6	771.1
		-20.00	393.3	904.2	1297.5	777.9	-13.6	764.3
		-20.50	625.2	941.5	1566.6	939.2	-13.6	925.6
		-21.00	617.3	991.5	1608.8	964.5	-13.6	950.9
		-21.50	565.4	1052.2	1617.6	969.8	-13.6	956.2
		-22.00	726.8	1096.1	1822.9	1092.8	-13.6	1079.3
		-22.50	1487.4	1149.7	2637.1	1581.0	-13.6	1567.4
15 - Ontgraven tot	-8.36	-13.00	611.1	170.9	782.1	468.9	-11.5	457.4
		-13.50	631.2	216.8	848.0	508.4	-11.5	496.9
		-14.00	649.0	270.5	919.6	551.3	-11.5	539.8
		-14.50	701.2	316.3	1017.5	610.0	-11.5	598.5
		-15.00	667.9	373.5	1041.4	624.4	-11.5	612.9
		-15.50	748.3	419.5	1167.7	700.1	-11.5	688.6
		-16.00	973.2	470.5	1443.7	865.5	-11.5	854.1
		-16.50	848.2	533.1	1381.4	828.2	-11.5	816.7
		-17.00	820.9	600.8	1421.6	852.3	-11.5	840.8
		-17.50	811.9	668.9	1480.8	887.8	-11.5	876.3
		-18.00	749.4	737.4	1486.8	891.4	-11.5	879.9
		-18.50	665.9	797.9	1463.9	877.6	-11.5	866.1
		-19.00	760.6	841.4	1602.0	960.4	-11.5	949.0
		-19.50	702.2	901.3	1603.5	961.3	-11.5	949.9
		-20.00	681.5	954.2	1635.7	980.6	-11.5	969.2
		-20.50	678.2	1002.7	1680.9	1007.7	-11.5	996.2
		-21.00	653.6	1059.0	1712.6	1026.7	-11.5	1015.2
		-21.50	540.5	1110.0	1650.5	989.5	-11.5	978.0
		-22.00	1488.2	1145.1	2633.2	1578.7	-11.5	1567.2
		-22.50	1555.3	1222.1	2777.3	1665.1	-11.5	1653.6
16 - Ontgraven tot	-8.36	-13.00	515.2	152.8	667.9	400.4	-11.7	388.8
		-13.50	517.9	200.7	718.6	430.8	-11.7	419.1
		-14.00	505.2	243.8	749.0	449.0	-11.7	437.4
		-14.50	545.3	278.9	824.2	494.1	-11.7	482.5
		-15.00	612.8	315.0	927.9	556.3	-11.7	544.6
		-15.50	841.2	357.1	1198.3	718.4	-11.7	706.8
		-16.00	837.0	416.0	1253.0	751.2	-11.7	739.6
		-16.50	796.3	477.8	1274.1	763.9	-11.7	752.2
		-17.00	689.8	540.0	1229.8	737.3	-11.7	725.6
		-17.50	615.8	600.7	1216.6	729.3	-11.7	717.7
		-18.00	653.2	639.8	1293.0	775.2	-11.7	763.5
		-18.50	960.6	685.1	1645.7	986.6	-11.7	975.0
		-19.00	909.3	750.7	1659.9	995.2	-11.7	983.5
		-19.50	902.6	817.6	1720.1	1031.3	-11.7	1019.6
		-20.00	871.2	883.7	1754.9	1052.1	-11.7	1040.4
		-20.50	859.2	943.5	1802.7	1080.8	-11.7	1069.1
		-21.00	1002.8	1003.6	2006.4	1202.9	-11.7	1191.2
		-21.50	1390.0	1069.2	2459.3	1474.4	-11.7	1462.7
		-22.00	1064.6	1147.0	2211.6	1325.9	-11.7	1314.2
		-22.50	959.6	1224.8	2184.3	1309.5	-11.7	1297.9
17 - Ontgraven tot	-8.36	-13.00	583.8	144.8	728.6	436.8	-12.8	424.1
		-13.50	577.2	203.6	780.8	468.1	-12.8	455.3
		-14.00	577.7	253.5	831.2	498.3	-12.8	485.5
		-14.50	581.6	298.9	880.5	527.9	-12.8	515.1
		-15.00	687.1	341.1	1028.2	616.4	-12.8	603.6
		-15.50	861.0	387.8	1248.8	748.7	-12.8	735.9
		-16.00	914.5	445.6	1360.1	815.4	-12.8	802.6

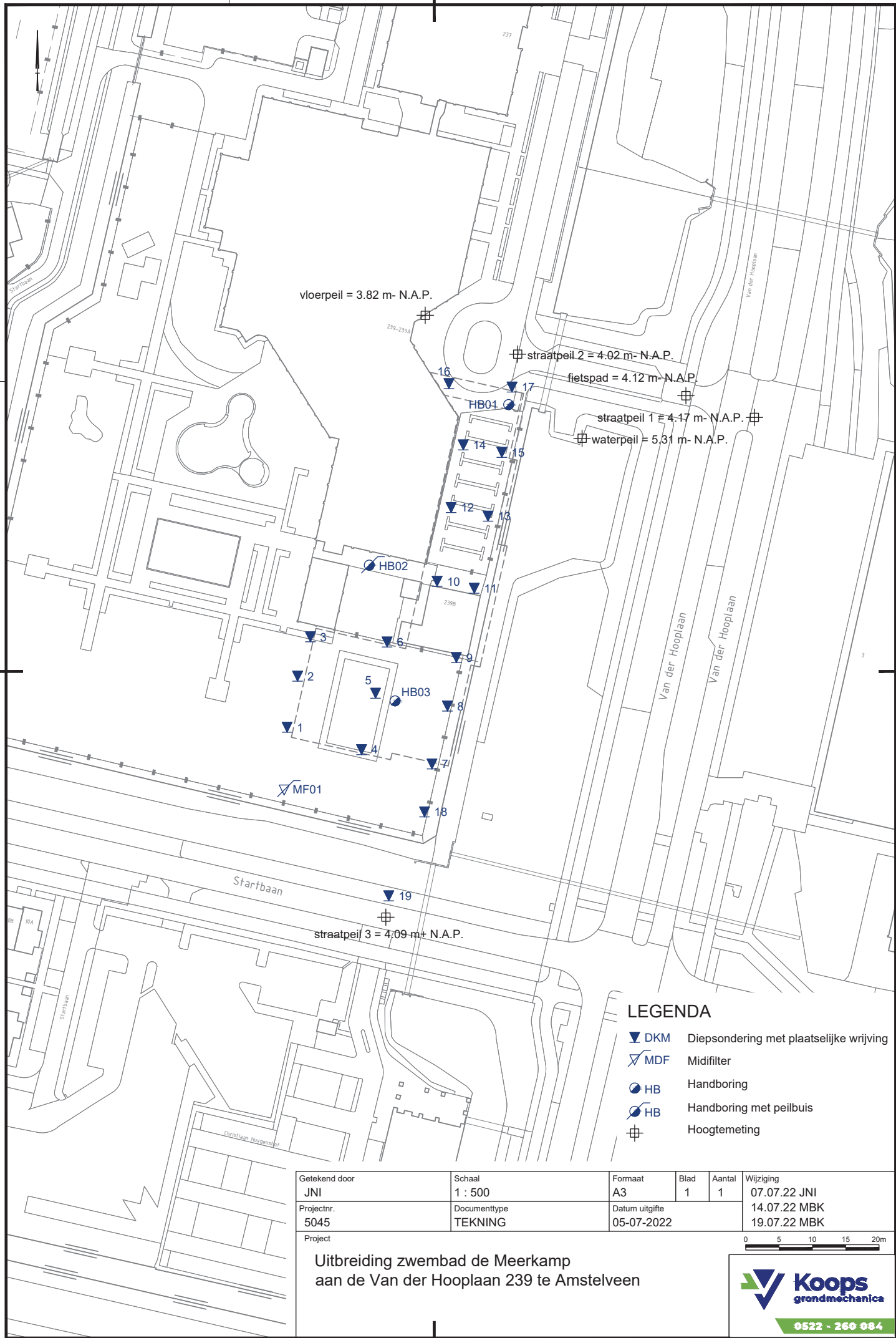


Alle niveaus/hoogtes/peilmaten zijn t.o.v.: N.A.P.

sondering	maaiveld paalpunt		Bezwijkdraagvermogen			Rekenwaarden		
	niveau	niveau	$R_{b;cal}$ [kN]	$R_{s;cal}$ [kN]	$R_{c;cal}$ [kN]	$R_{c;d}$ [kN]	$F_{nk;d}$ [kN]	$R_{c;netto;d}$ [kN]
17 - Ontgraven tot	-8.36	-16.50	955.9	507.1	1463.0	877.1	-12.8	864.4
		-17.00	970.6	570.8	1541.5	924.1	-12.8	911.4
		-17.50	959.6	638.6	1598.1	958.1	-12.8	945.4
		-18.00	928.3	703.9	1632.2	978.6	-12.8	965.8
		-18.50	1117.7	765.2	1882.9	1128.9	-12.8	1116.1
		-19.00	999.9	827.8	1827.7	1095.7	-12.8	1083.0
		-19.50	1141.1	890.3	2031.4	1217.8	-12.8	1205.1
		-20.00	1092.0	952.8	2044.8	1225.9	-12.8	1213.1
		-20.50	1094.4	1014.5	2108.9	1264.3	-12.8	1251.6
		-21.00	1835.8	1081.0	2916.7	1748.6	-12.8	1735.9
		-21.50	1924.6	1157.7	3082.3	1847.9	-12.8	1835.1
		-22.00	1980.8	1235.5	3216.3	1928.2	-12.8	1915.5
		-22.50	2198.6	1313.2	3511.8	2105.4	-12.8	2092.6
18 - Ontgraven tot	-8.36	-13.00	611.8	131.5	743.4	445.7	-13.6	432.1
		-13.50	520.6	192.8	713.4	427.7	-13.6	414.1
		-14.00	479.9	245.8	725.7	435.1	-13.6	421.5
		-14.50	495.6	284.0	779.6	467.4	-13.6	453.8
		-15.00	482.1	329.2	811.4	486.4	-13.6	472.8
		-15.50	459.5	367.9	827.3	496.0	-13.6	482.4
		-16.00	490.8	395.1	886.0	531.2	-13.6	517.6
		-16.50	630.3	424.2	1054.5	632.2	-13.6	618.6
		-17.00	1016.9	465.4	1482.3	888.7	-13.6	875.1
		-17.50	1050.1	534.9	1585.0	950.3	-13.6	936.7
		-18.00	1002.1	612.7	1614.7	968.1	-13.6	954.5
		-18.50	808.5	690.4	1499.0	898.7	-13.6	885.1
		-19.00	854.5	756.6	1611.1	965.9	-13.6	952.3
		-19.50	888.4	809.0	1697.4	1017.6	-13.6	1004.0
		-20.00	764.4	870.3	1634.7	980.1	-13.6	966.5
		-20.50	901.0	924.3	1825.3	1094.3	-13.6	1080.7
		-21.00	1148.7	986.0	2134.7	1279.8	-13.6	1266.2
		-21.50	1101.3	1058.3	2159.6	1294.7	-13.6	1281.1
		-22.00	1071.2	1130.5	2201.7	1320.0	-13.6	1306.4
		-22.50	1698.2	1204.4	2902.7	1740.2	-13.6	1726.6
19 - Ontgraven tot	-8.36	-13.00	596.5	162.8	759.3	455.2	-12.8	442.5
		-13.50	608.3	212.4	820.6	492.0	-12.8	479.2
		-14.00	626.9	255.8	882.8	529.2	-12.8	516.5
		-14.50	607.3	311.6	918.9	550.9	-12.8	538.1
		-15.00	636.9	356.4	993.3	595.5	-12.8	582.7
		-15.50	637.9	407.0	1044.9	626.4	-12.8	613.6
		-16.00	624.3	456.8	1081.1	648.1	-12.8	635.4
		-16.50	607.5	502.2	1109.7	665.3	-12.8	652.5
		-17.00	633.1	543.5	1176.5	705.3	-12.8	692.6
		-17.50	1344.1	590.0	1934.0	1159.5	-12.8	1146.7
		-18.00	1342.7	667.7	2010.4	1205.3	-12.8	1192.5
		-18.50	1157.4	745.5	1902.9	1140.8	-12.8	1128.1
		-19.00	995.5	823.2	1818.7	1090.4	-12.8	1077.6
		-19.50	800.8	896.3	1697.1	1017.5	-12.8	1004.7
		-20.00	970.8	951.4	1922.2	1152.4	-12.8	1139.6
		-20.50	908.3	1013.6	1921.8	1152.2	-12.8	1139.4
		-21.00	1240.2	1078.3	2318.5	1390.0	-12.8	1377.2
		-21.50	1194.0	1156.1	2350.1	1409.0	-12.8	1396.2
		-22.00	1444.1	1233.2	2677.3	1605.1	-12.8	1592.3
		-22.50	1326.2	1310.9	2637.1	1581.0	-12.8	1568.2



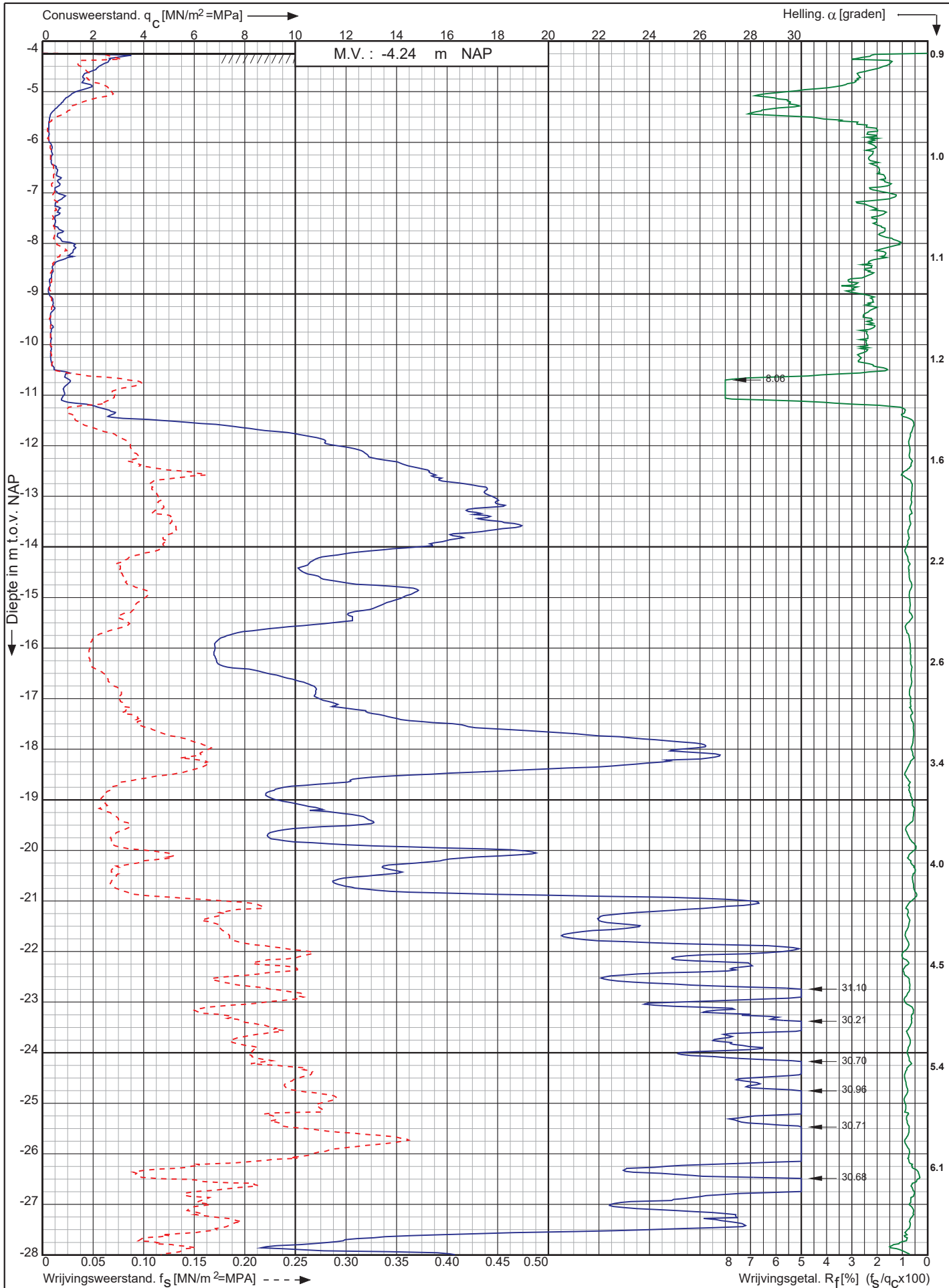
Bijlage E Grondonderzoek



Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118489.95 Y = 477839.98

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 1

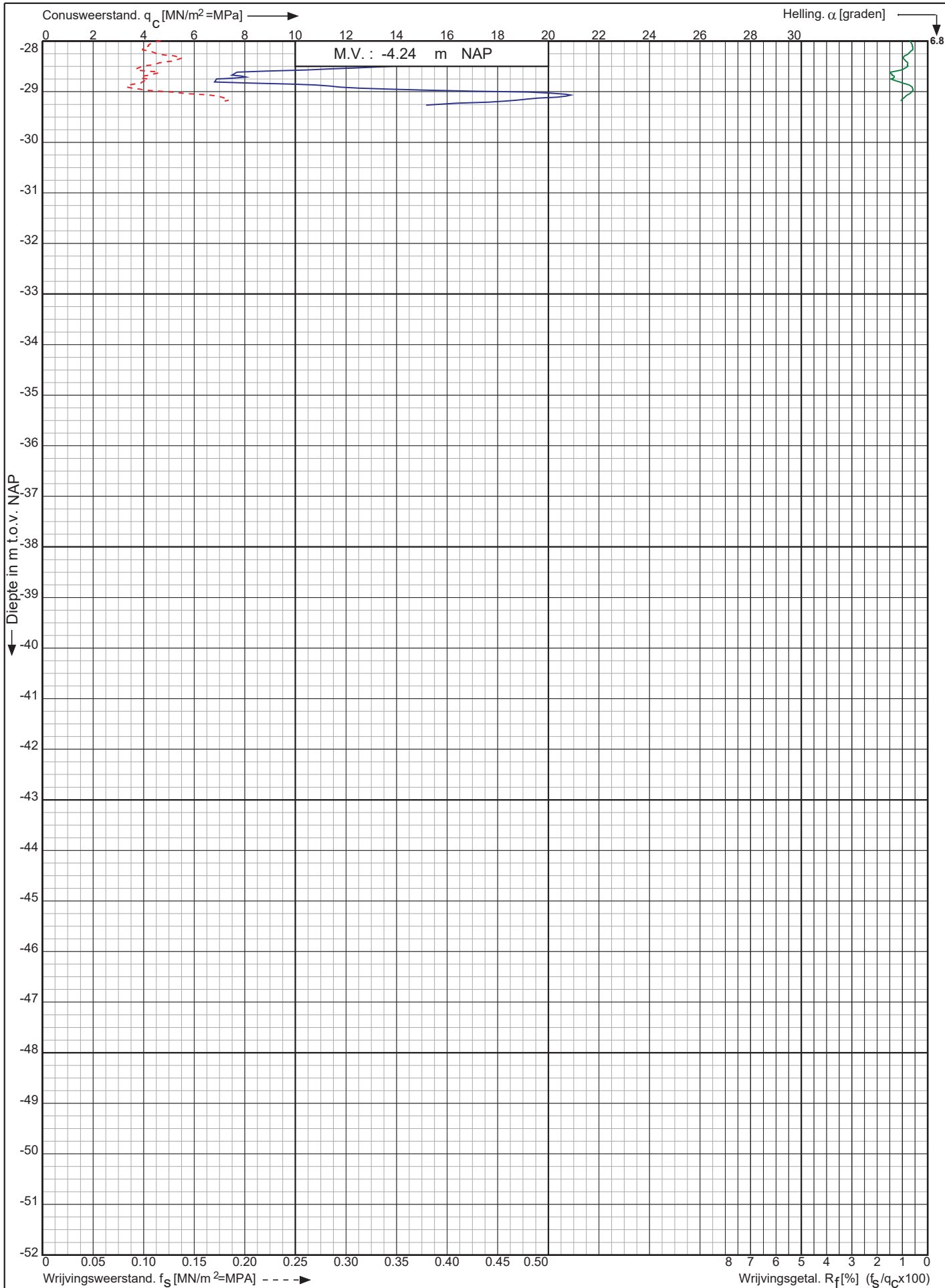


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118489.95 Y = 477839.98

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 1

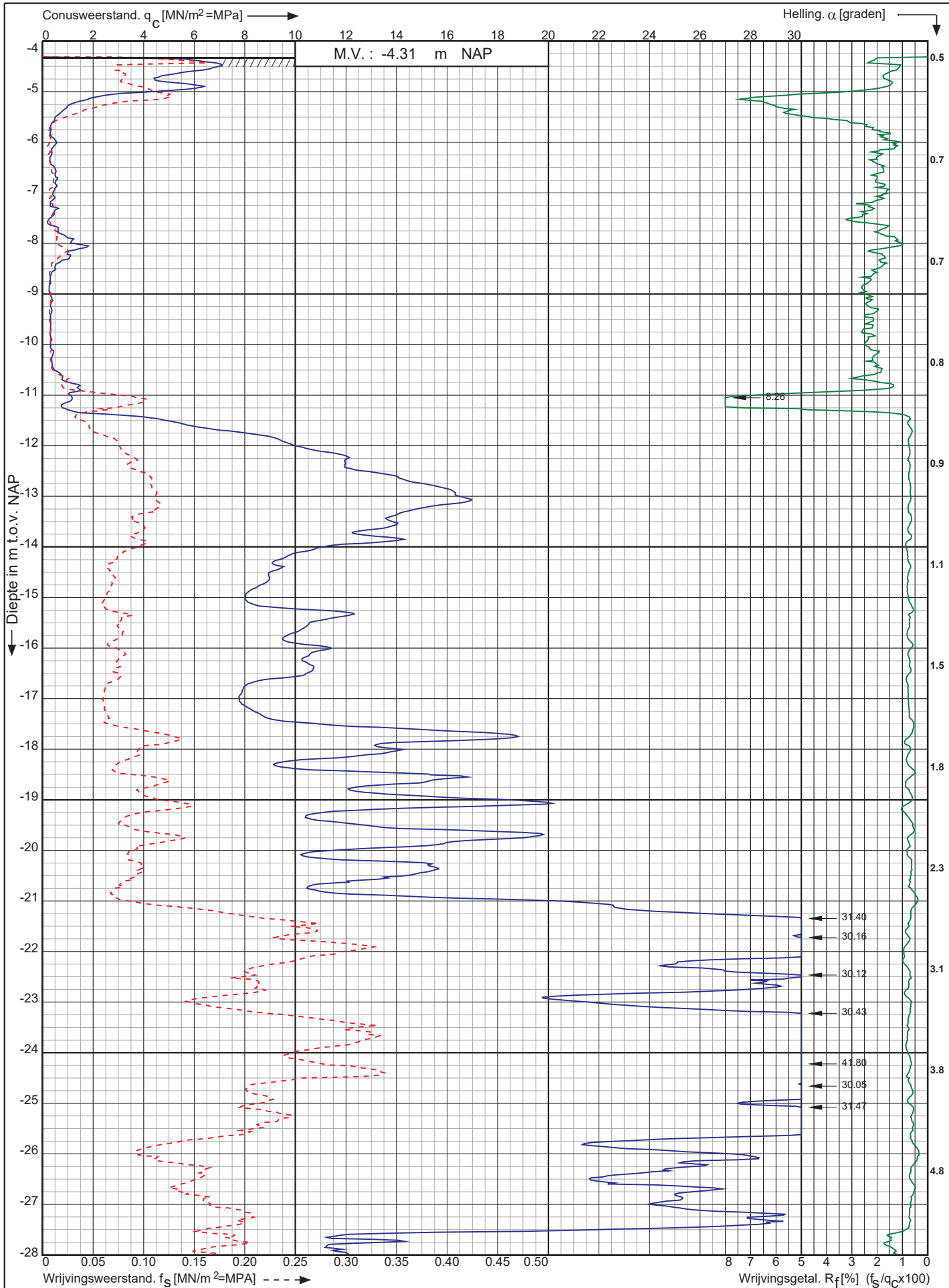


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 2

RD-coördinaten : X = 118493.09 Y = 477855.31

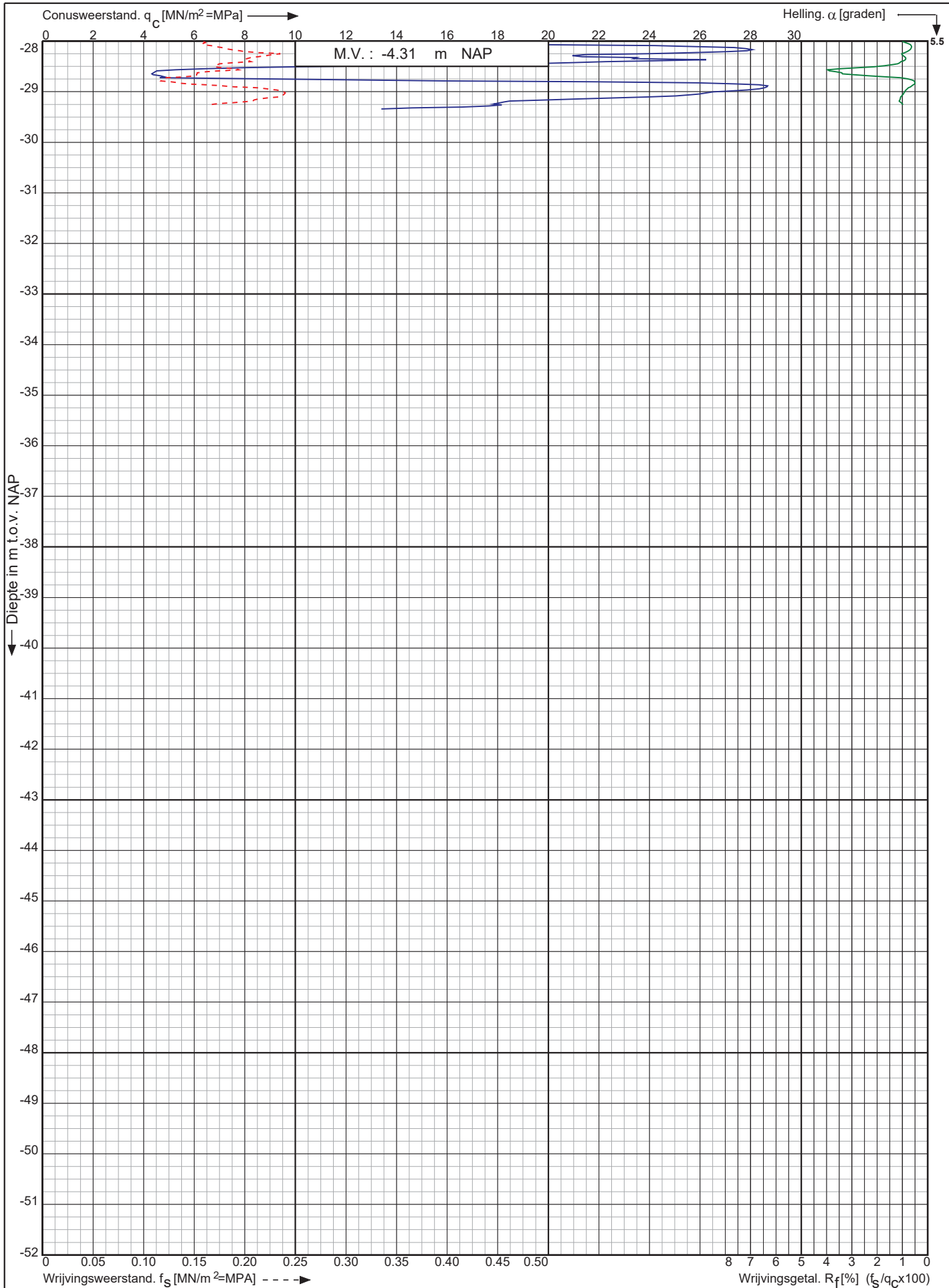
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118493.09 Y = 477855.31

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 2

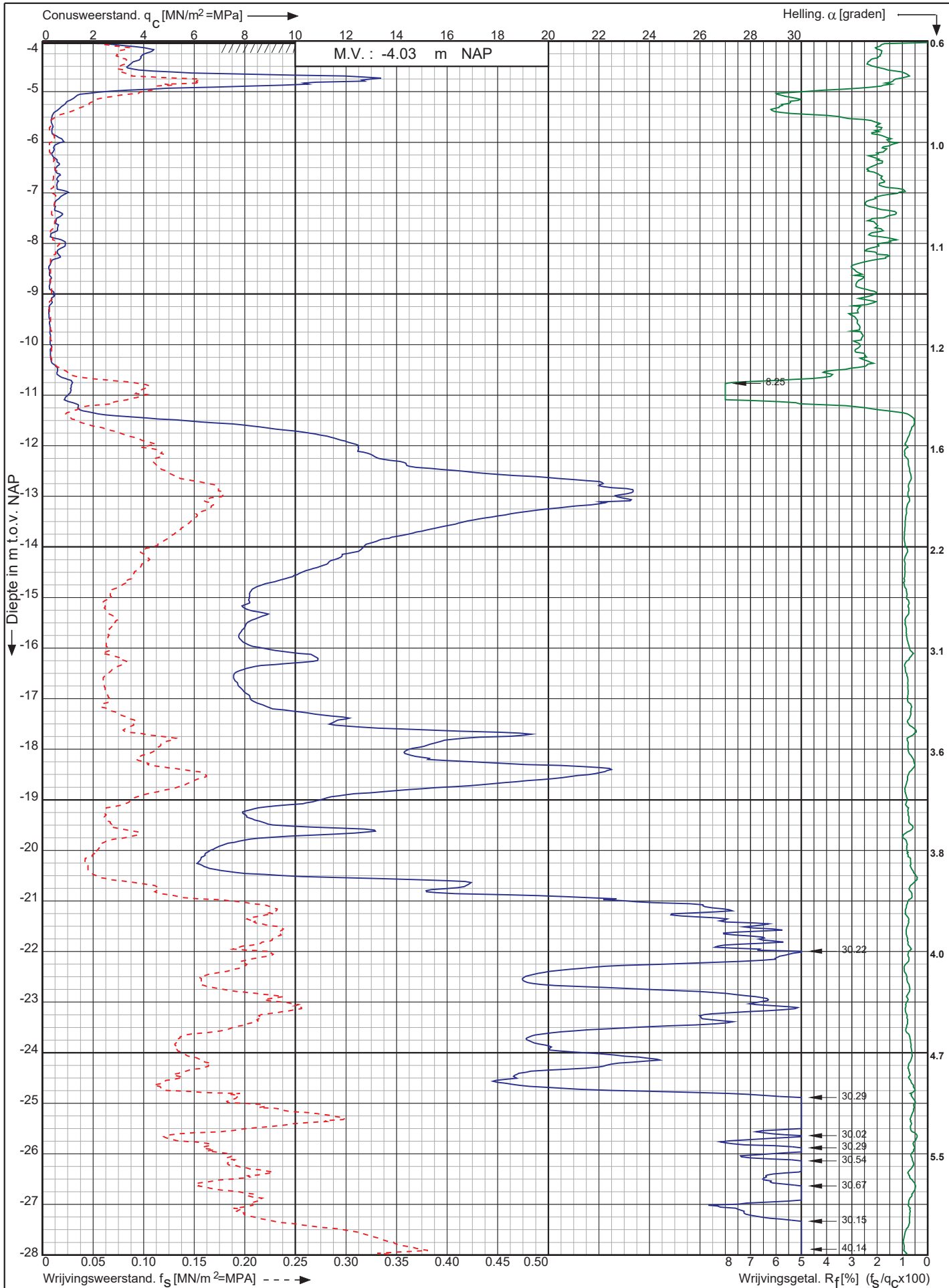
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118496.94 Y = 477867.13

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 3

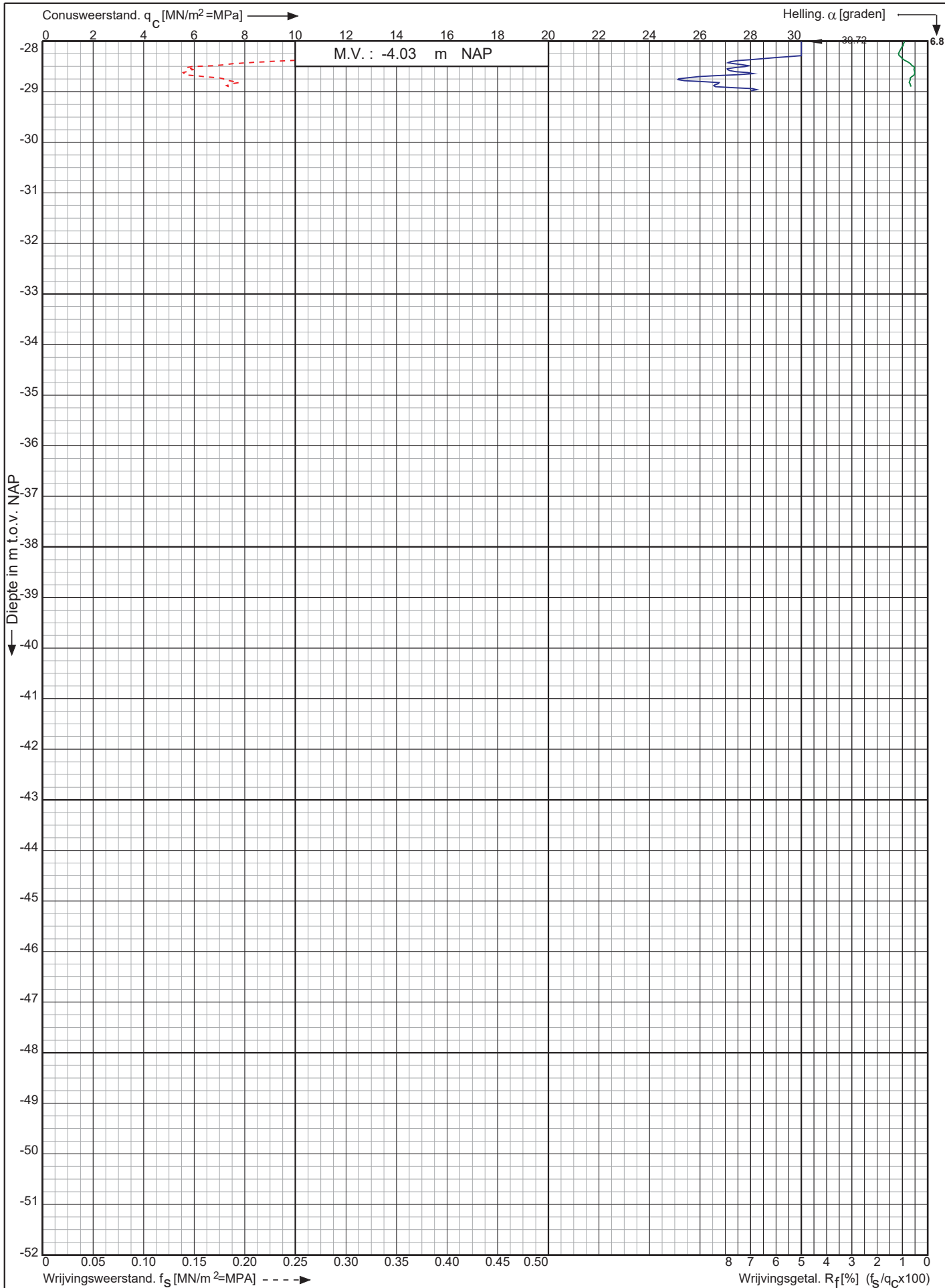


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118496.94 Y = 477867.13

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 3

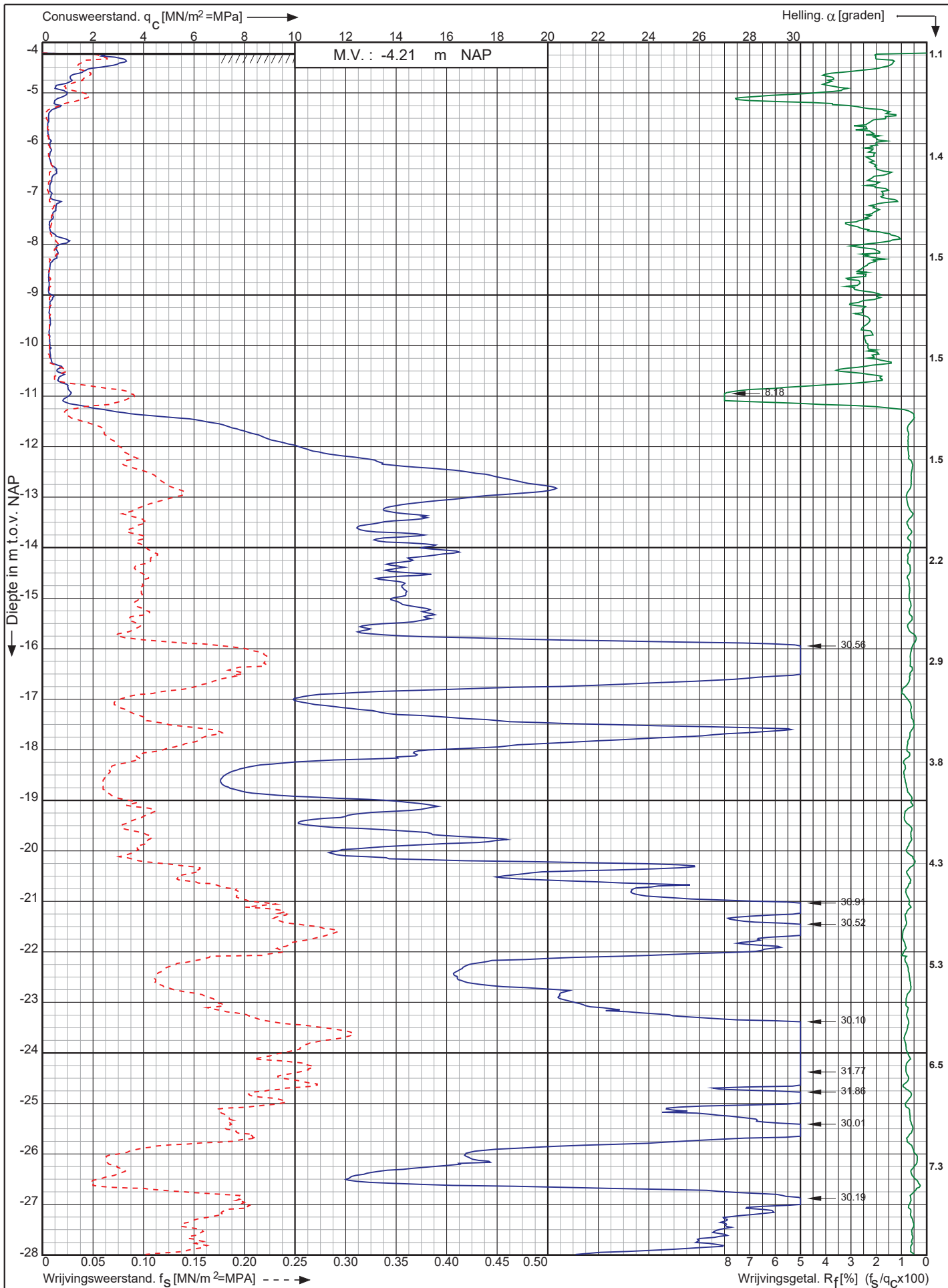
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118512.28 Y = 477833.25

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 4

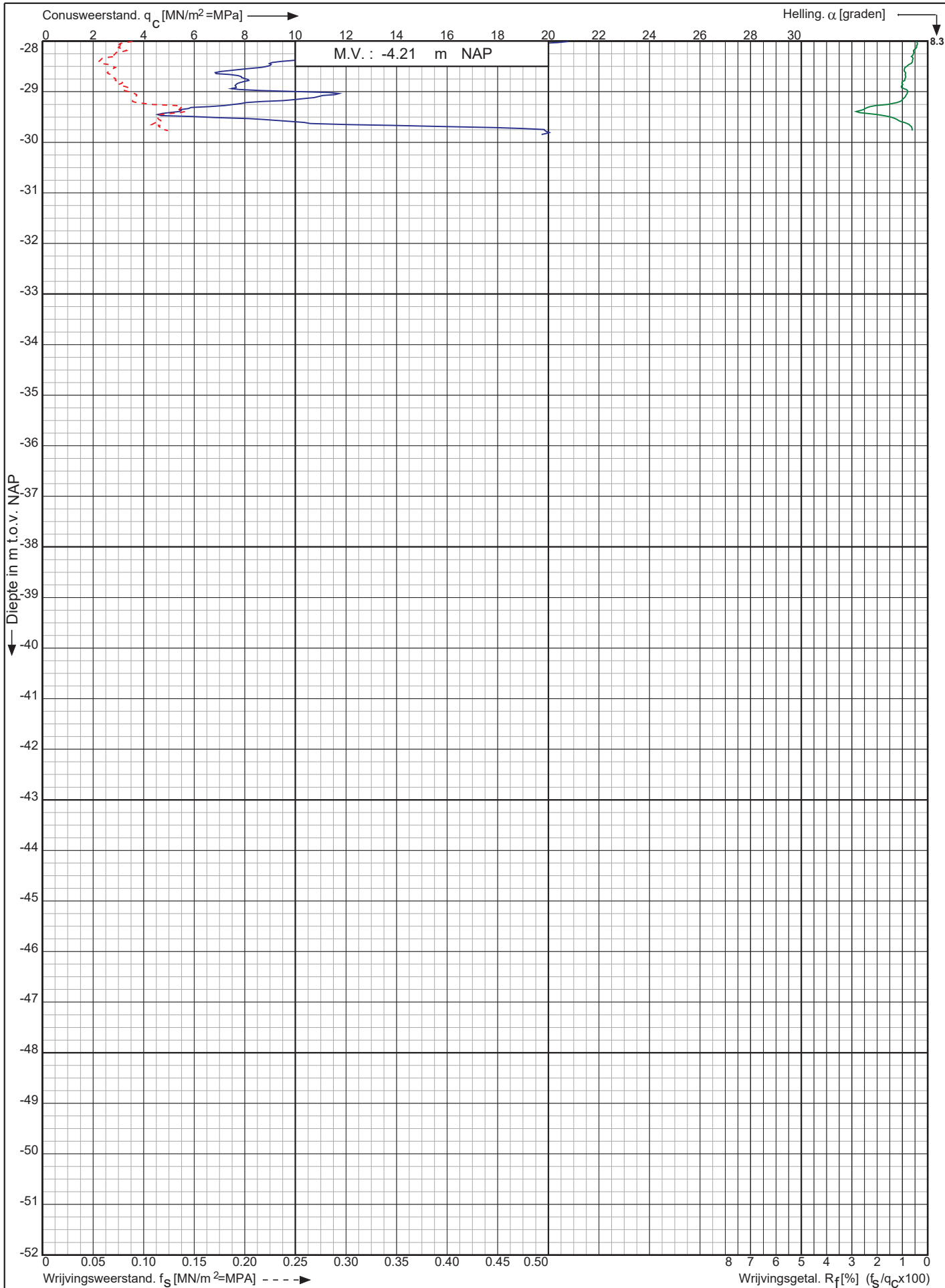
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118512.28 Y = 477833.25

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

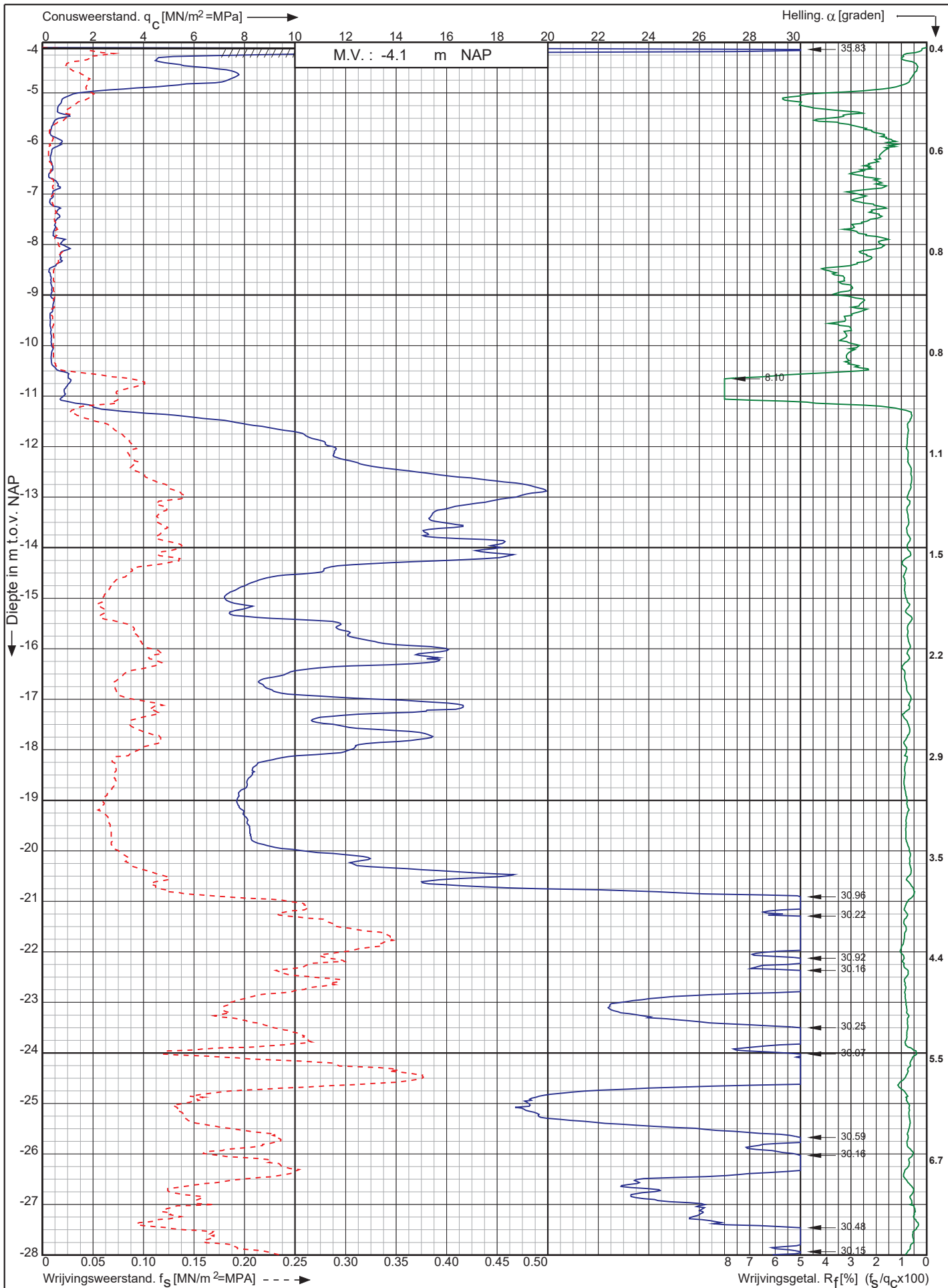
Sond. nr. : 4

 **Koops**
grondmechanica
0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 5

RD-coördinaten : X = 118516.49 Y = 477850.17

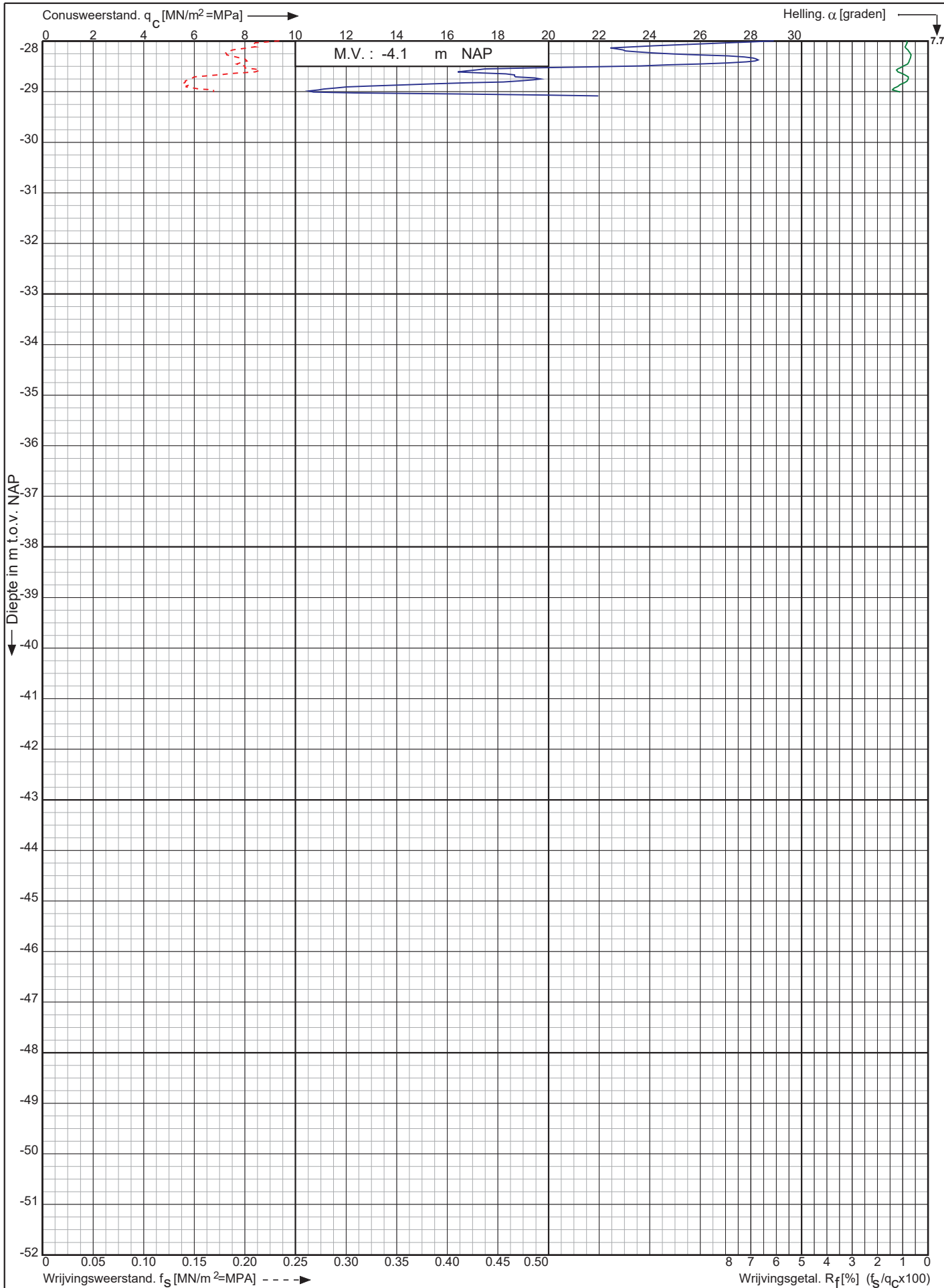


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118516.49 Y = 477850.17

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

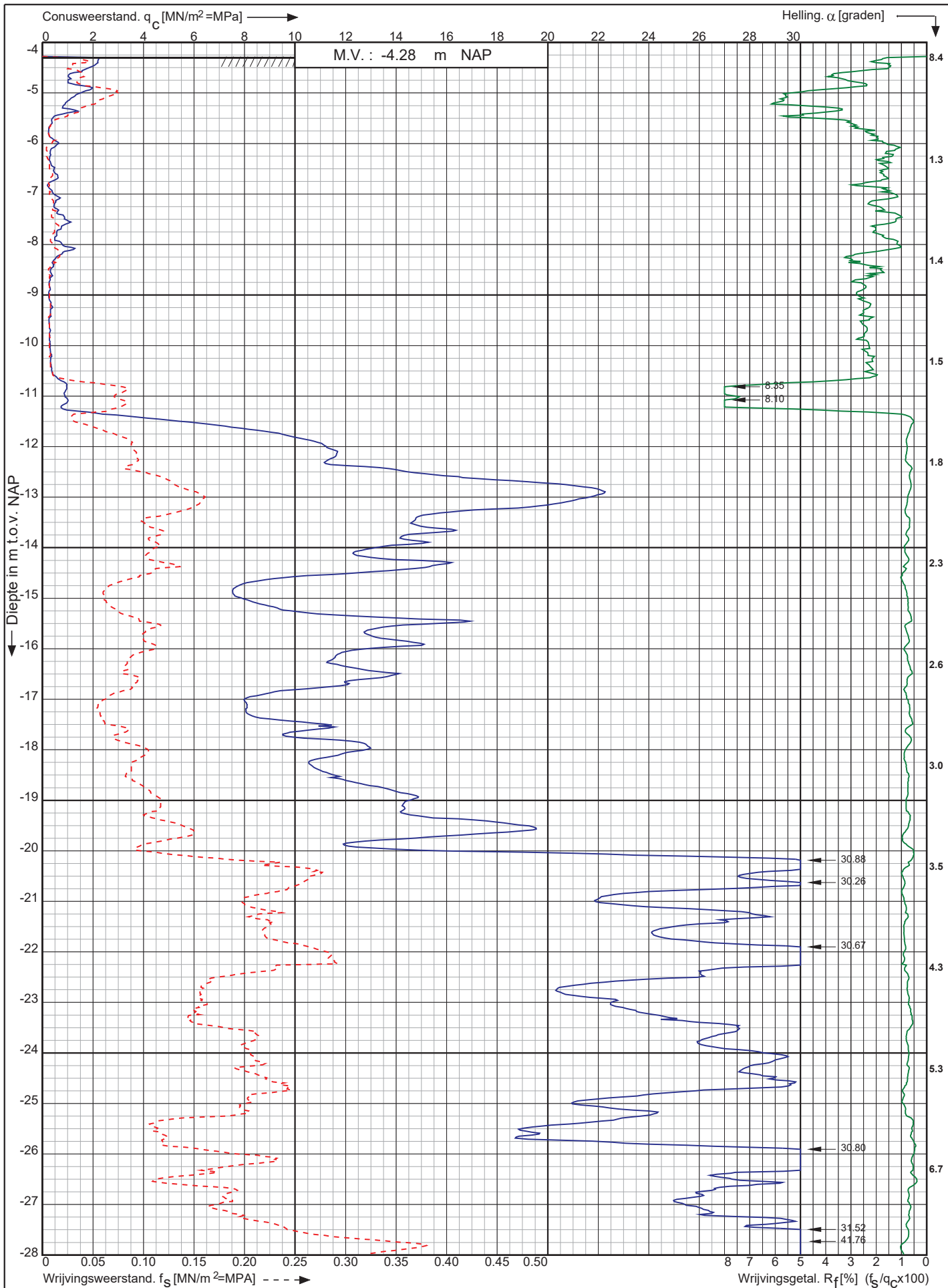
Sond. nr. : 5

 **Koops**
grondmechanica
0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118519.95 Y = 477865.54

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 6

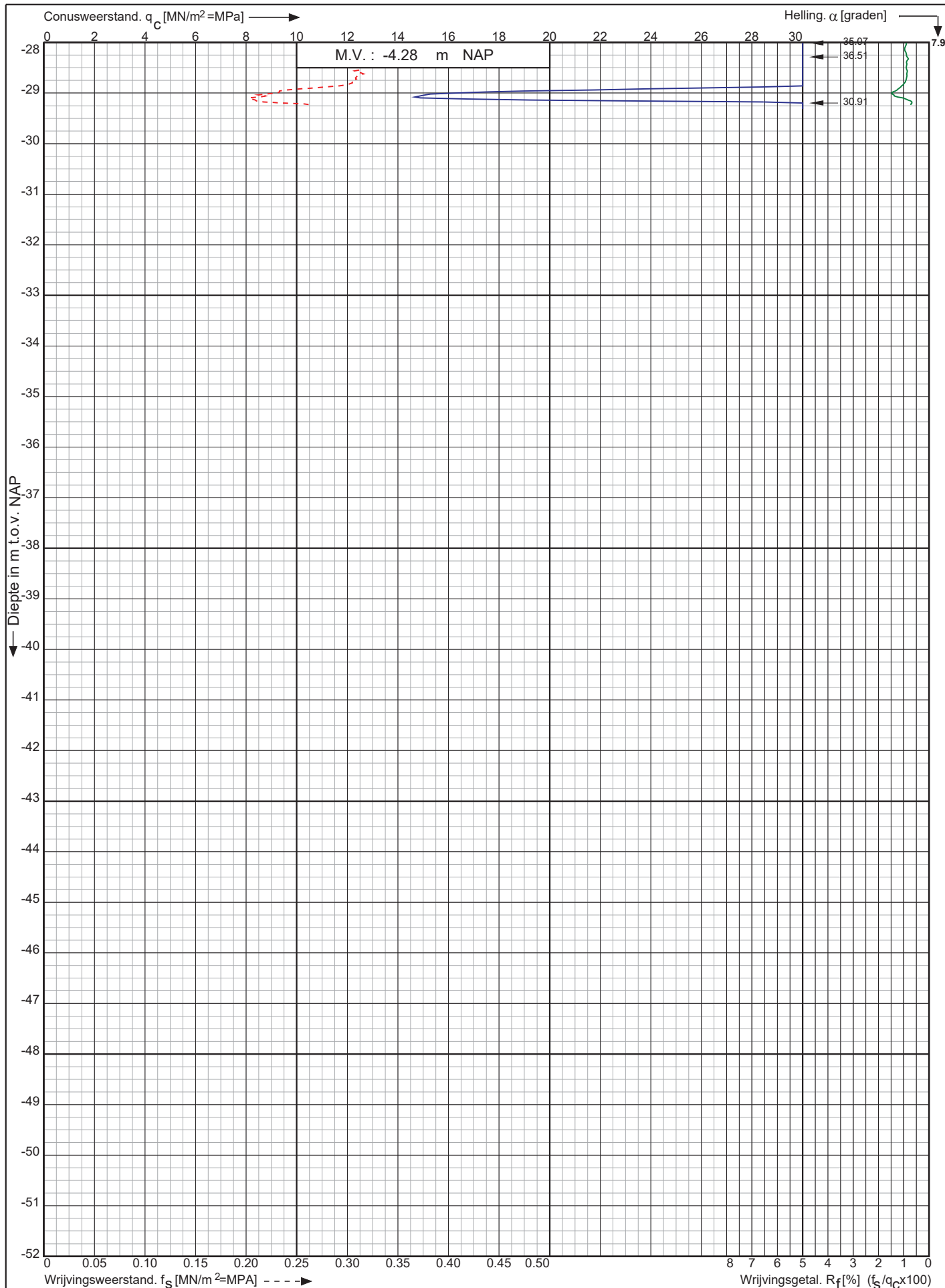
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118519.95 Y = 477865.54

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 6

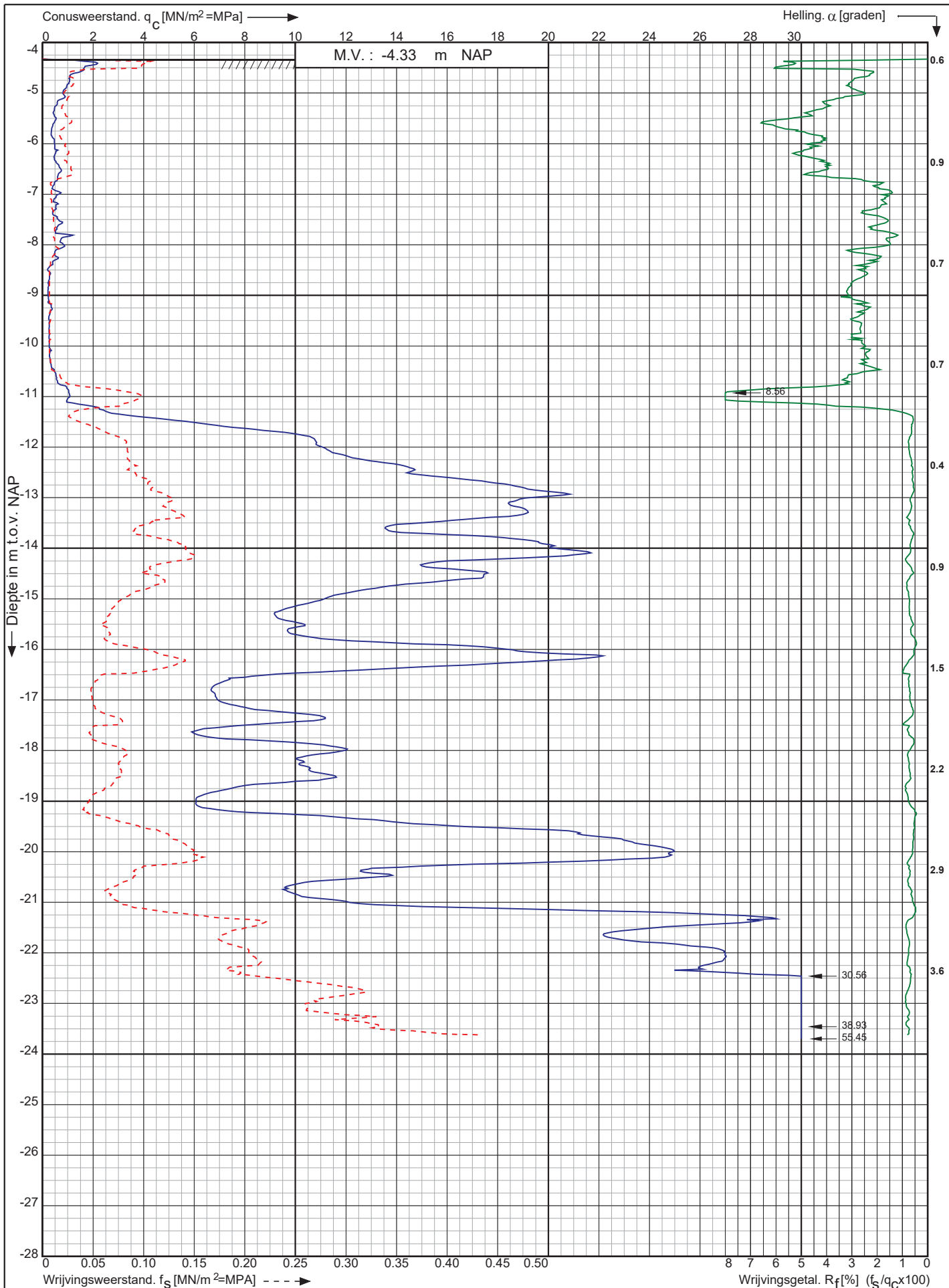
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118533.42 Y = 477828.96

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 7

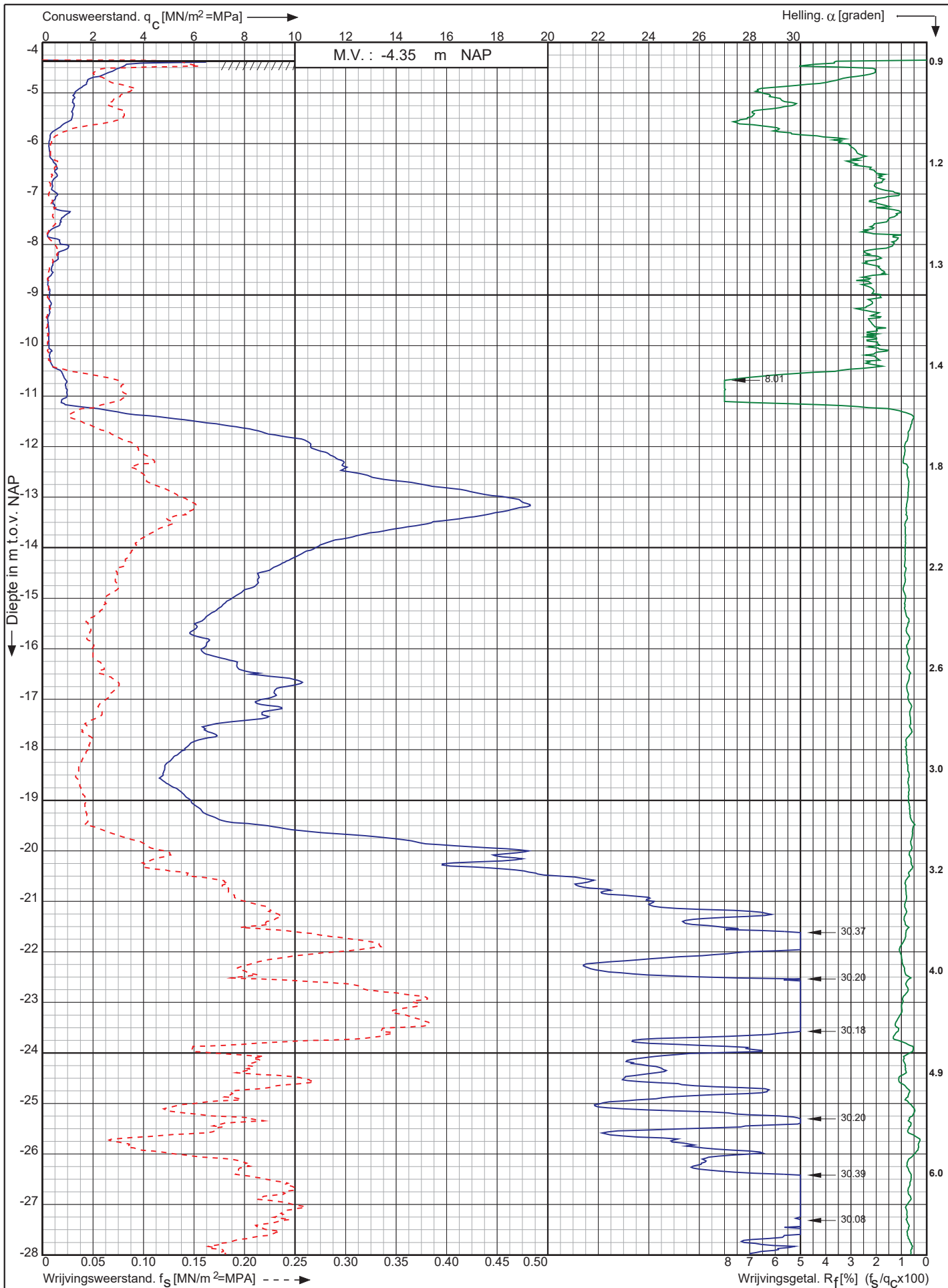


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118538.06 Y = 477846.34

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 8

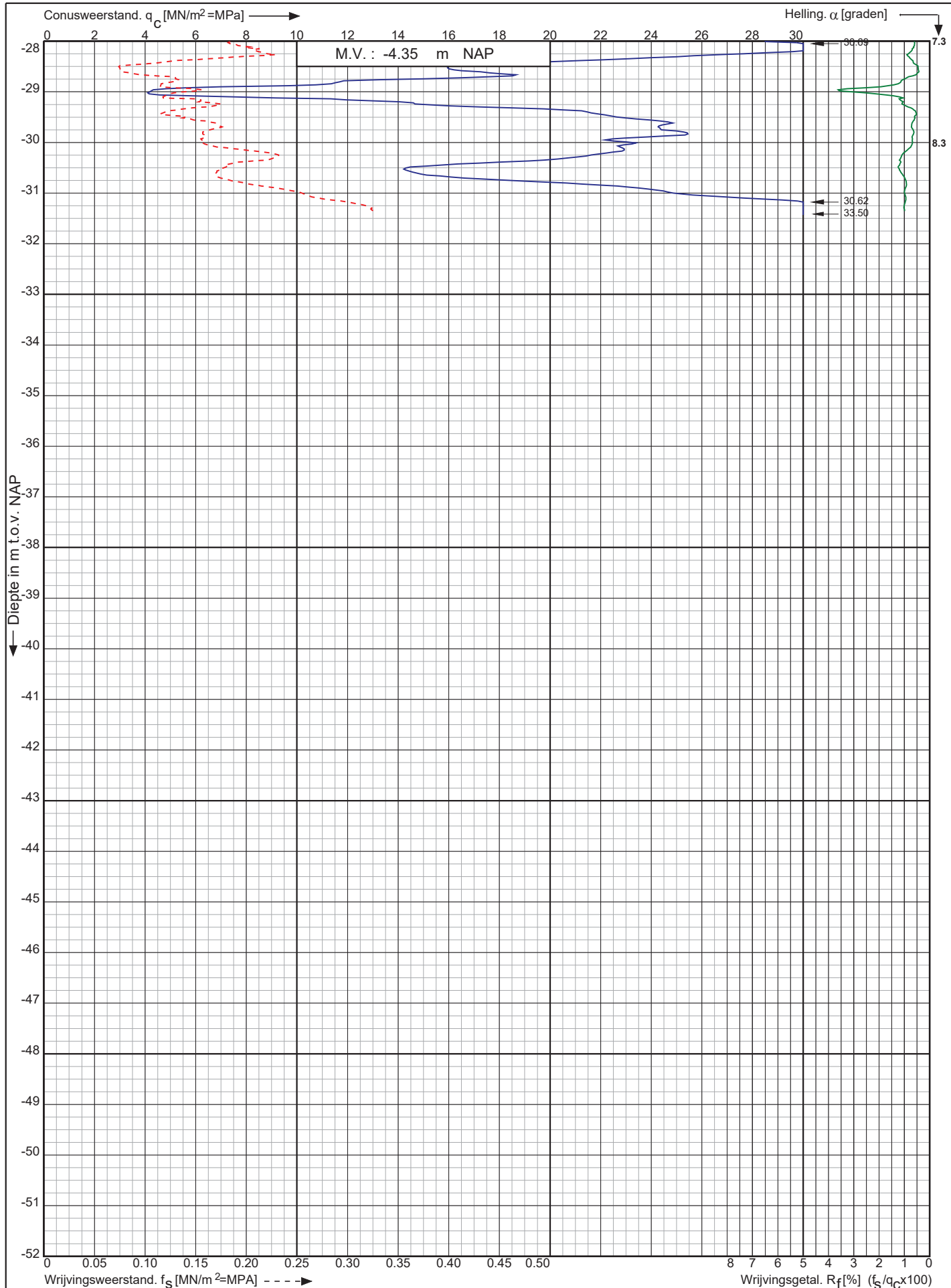
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118538.06 Y = 477846.34

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

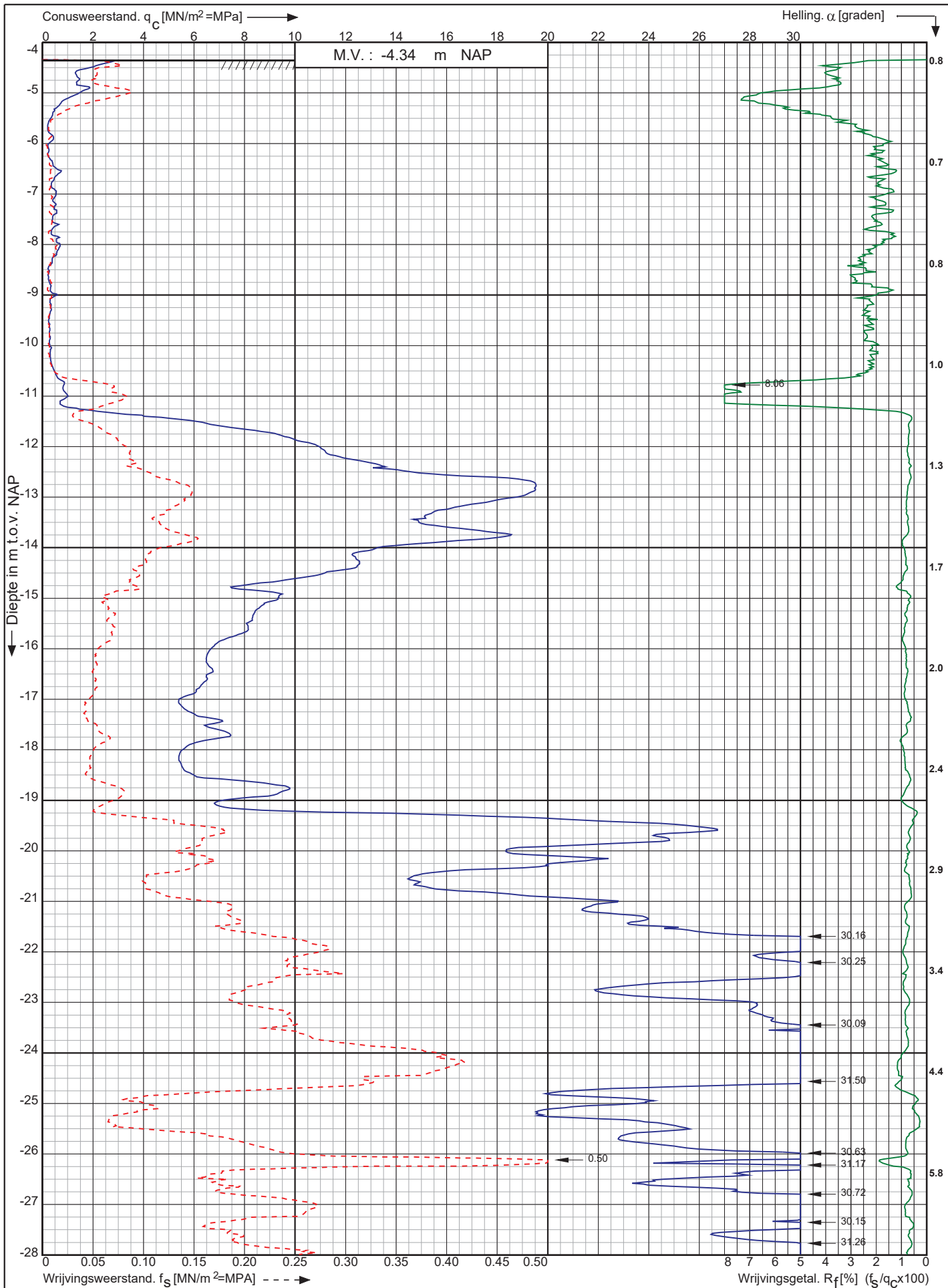
Sond. nr. : 8



Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118540.73 Y = 477860.91

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 9

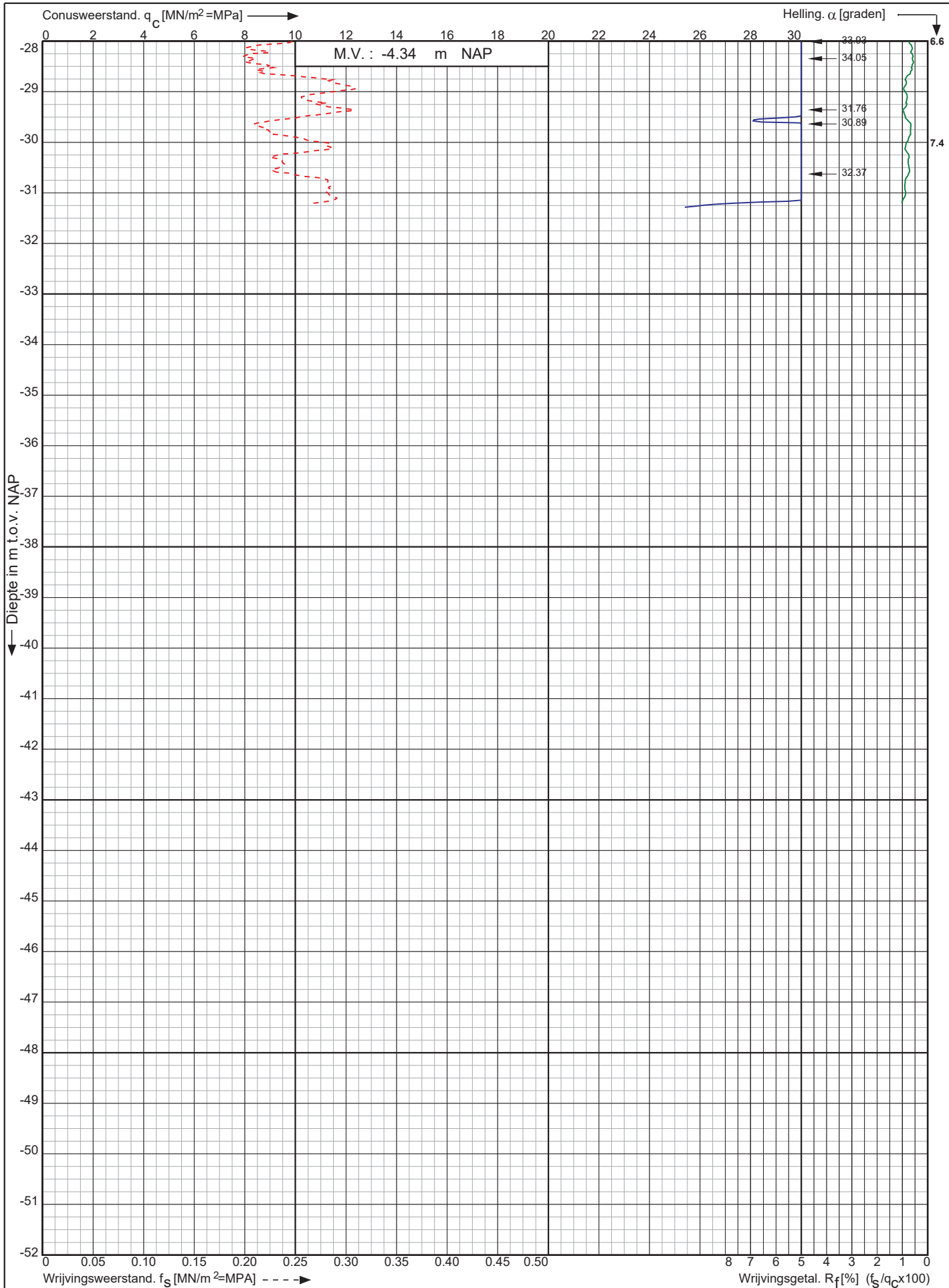
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118540.73 Y = 477860.91

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 9

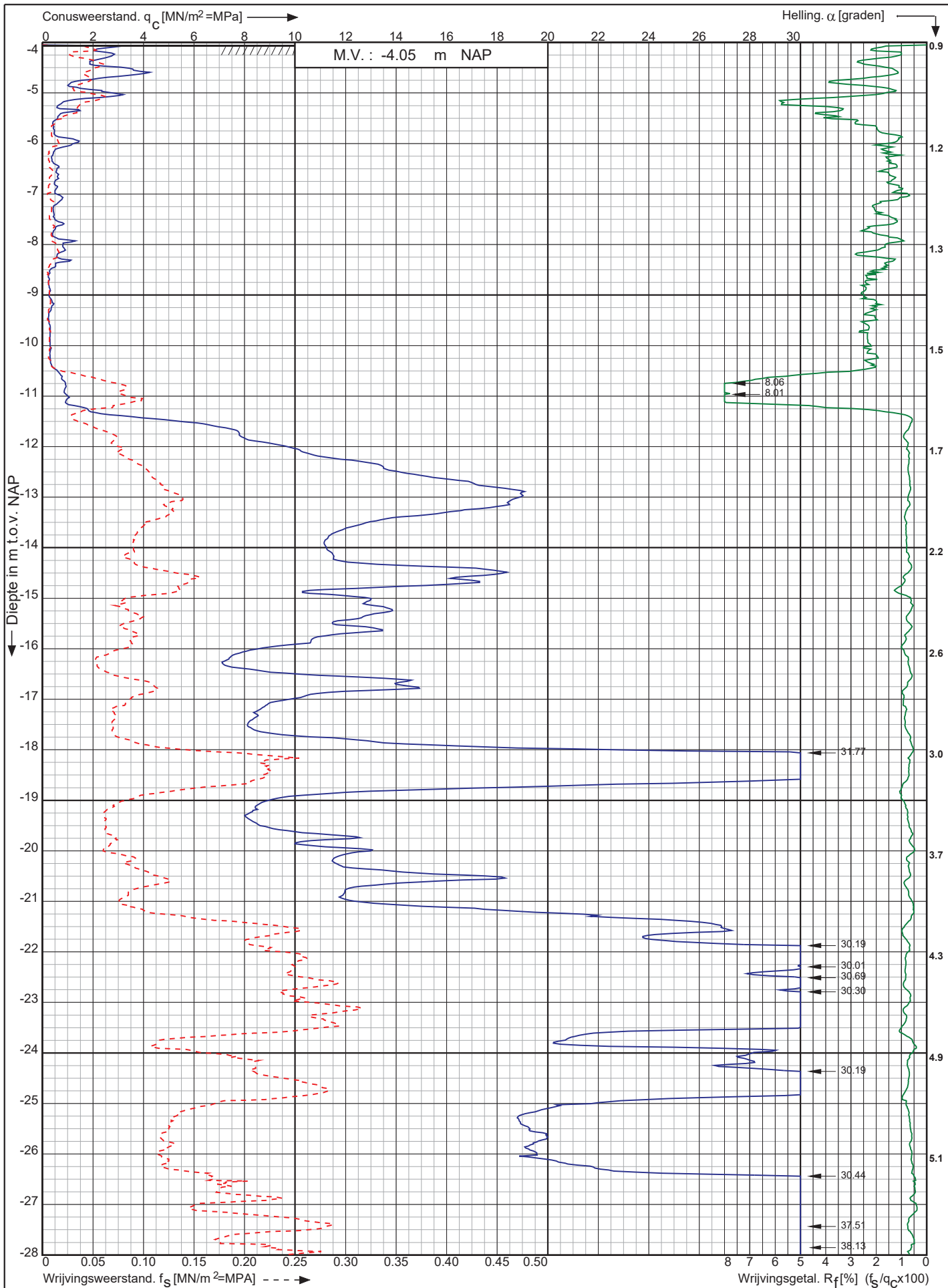
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118534.97 Y = 477883.75

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 10

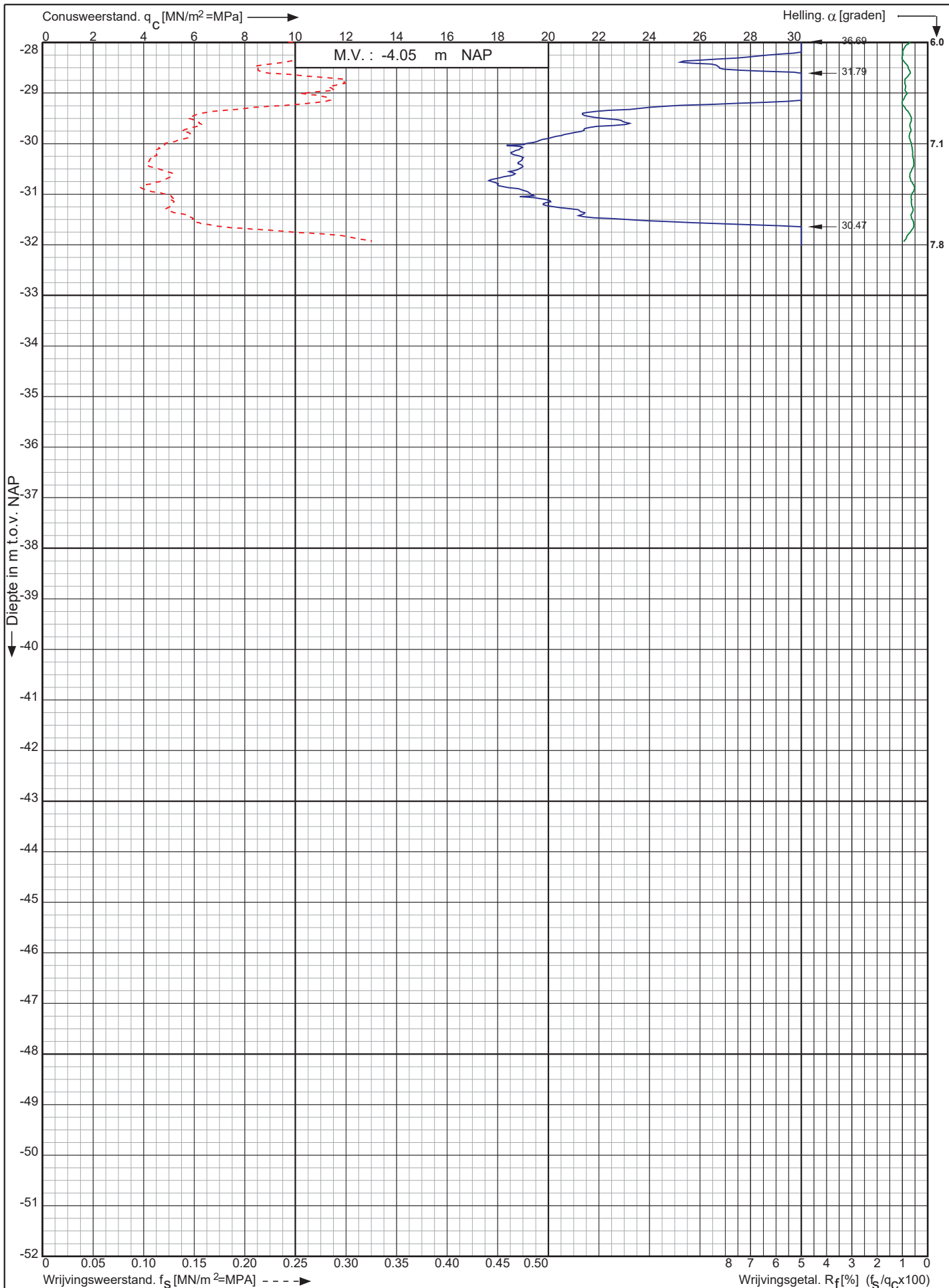
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118534.97 Y = 477883.75

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 10

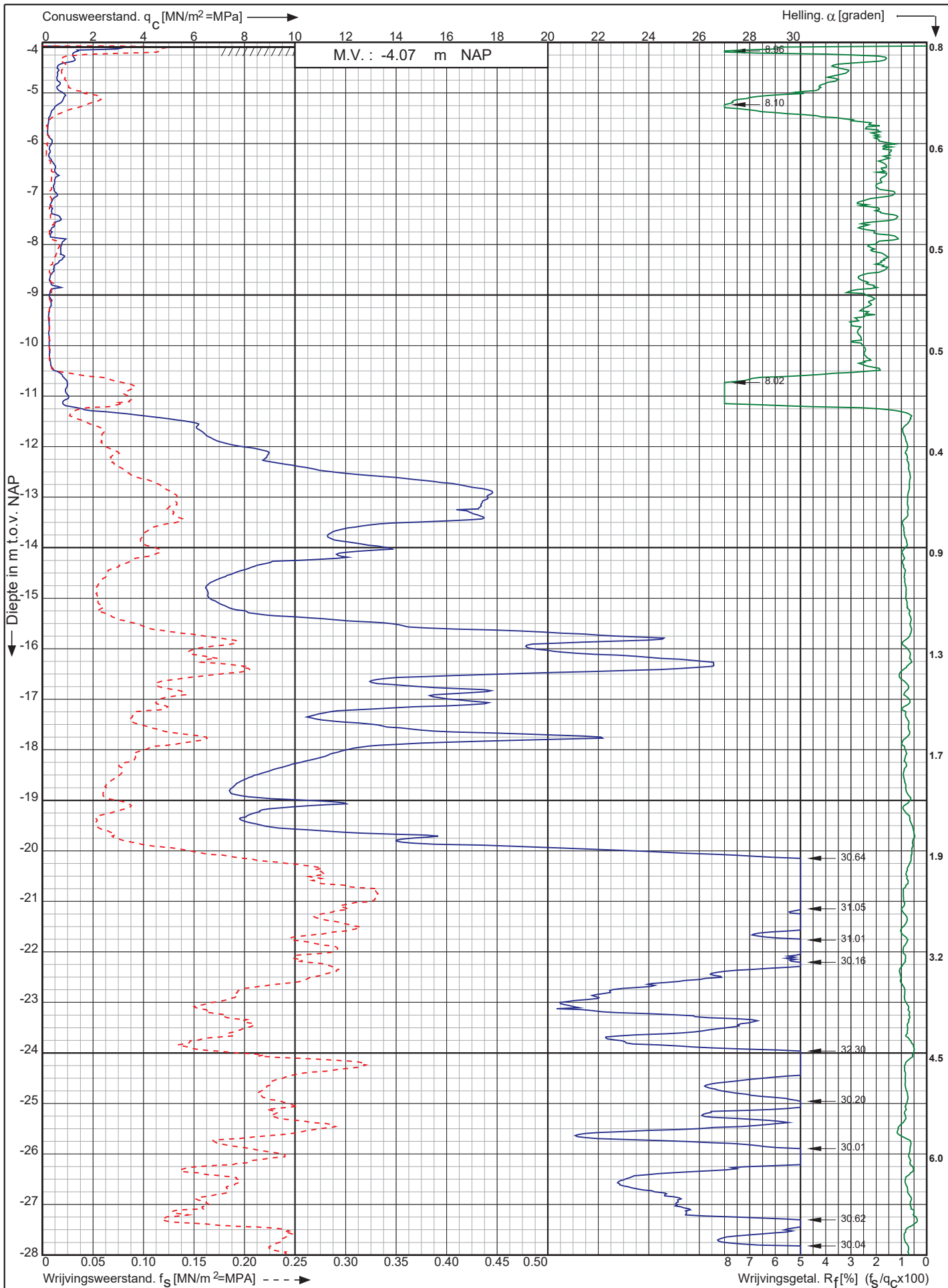


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118546.12 Y = 477881.67

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 11

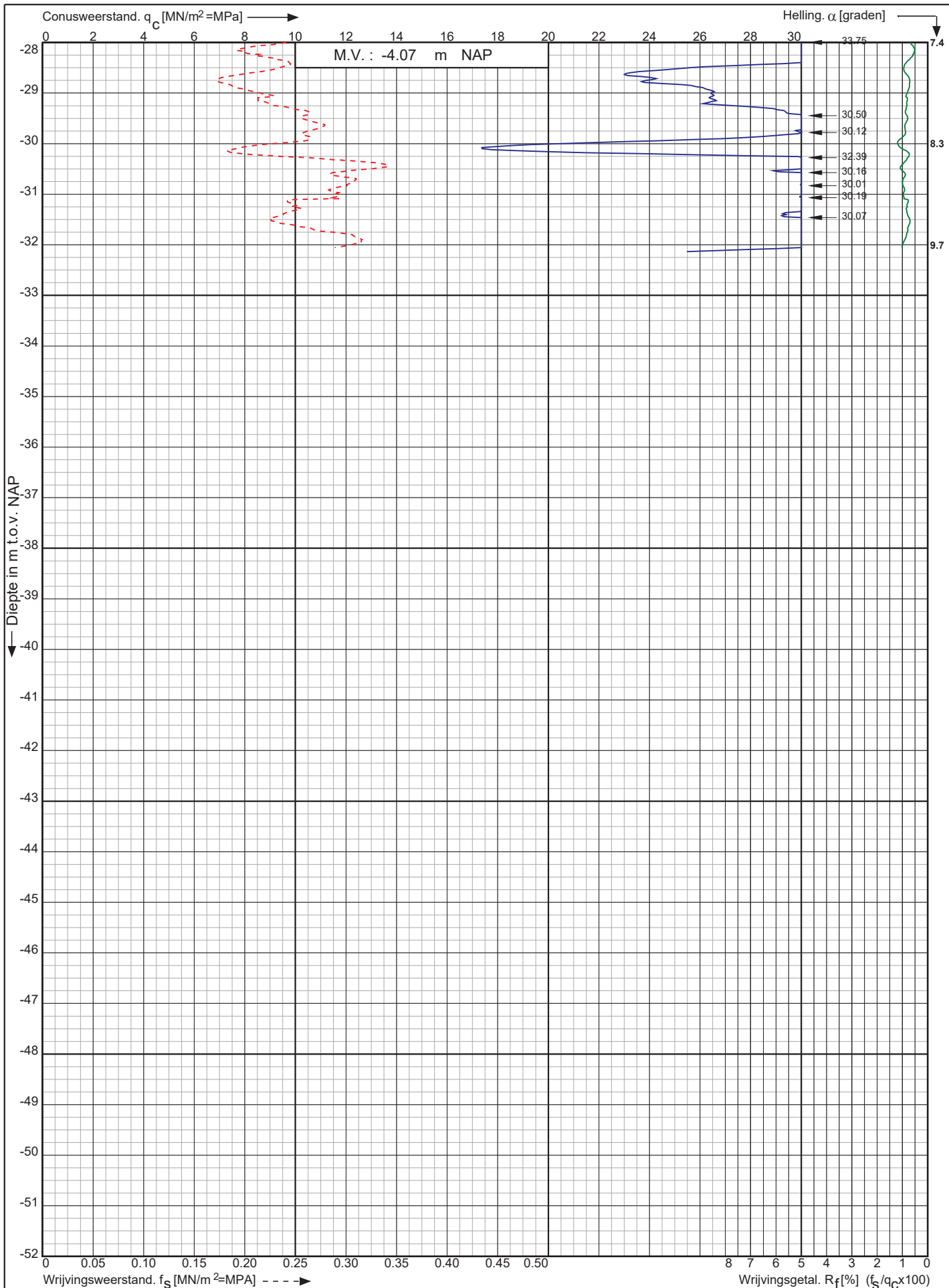
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 11

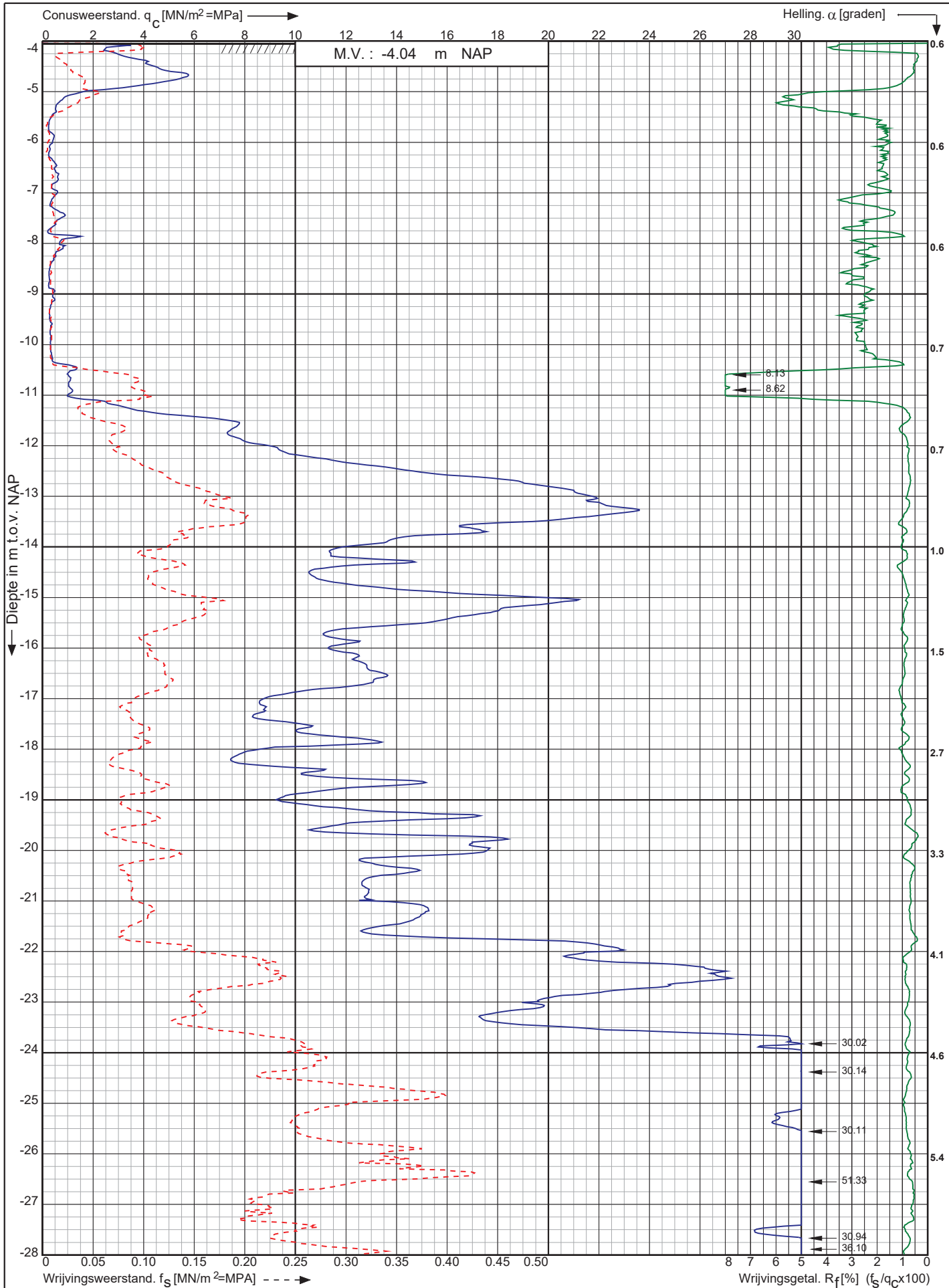
RD-coördinaten : X = 118546.12 Y = 477881.67



Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118539.17 Y = 477905.90

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 12

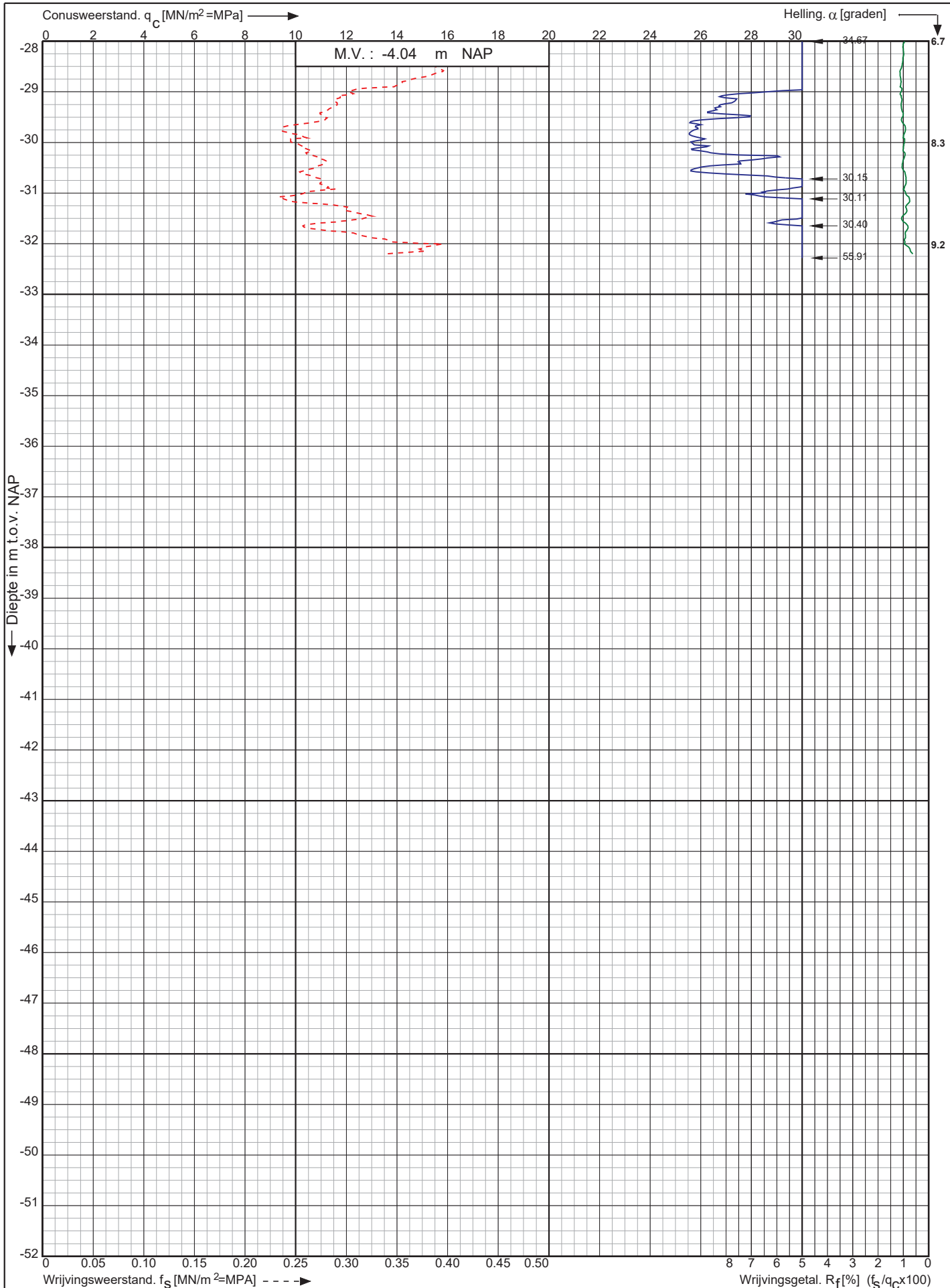
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 12

RD-coördinaten : X = 118539.17 Y = 477905.90

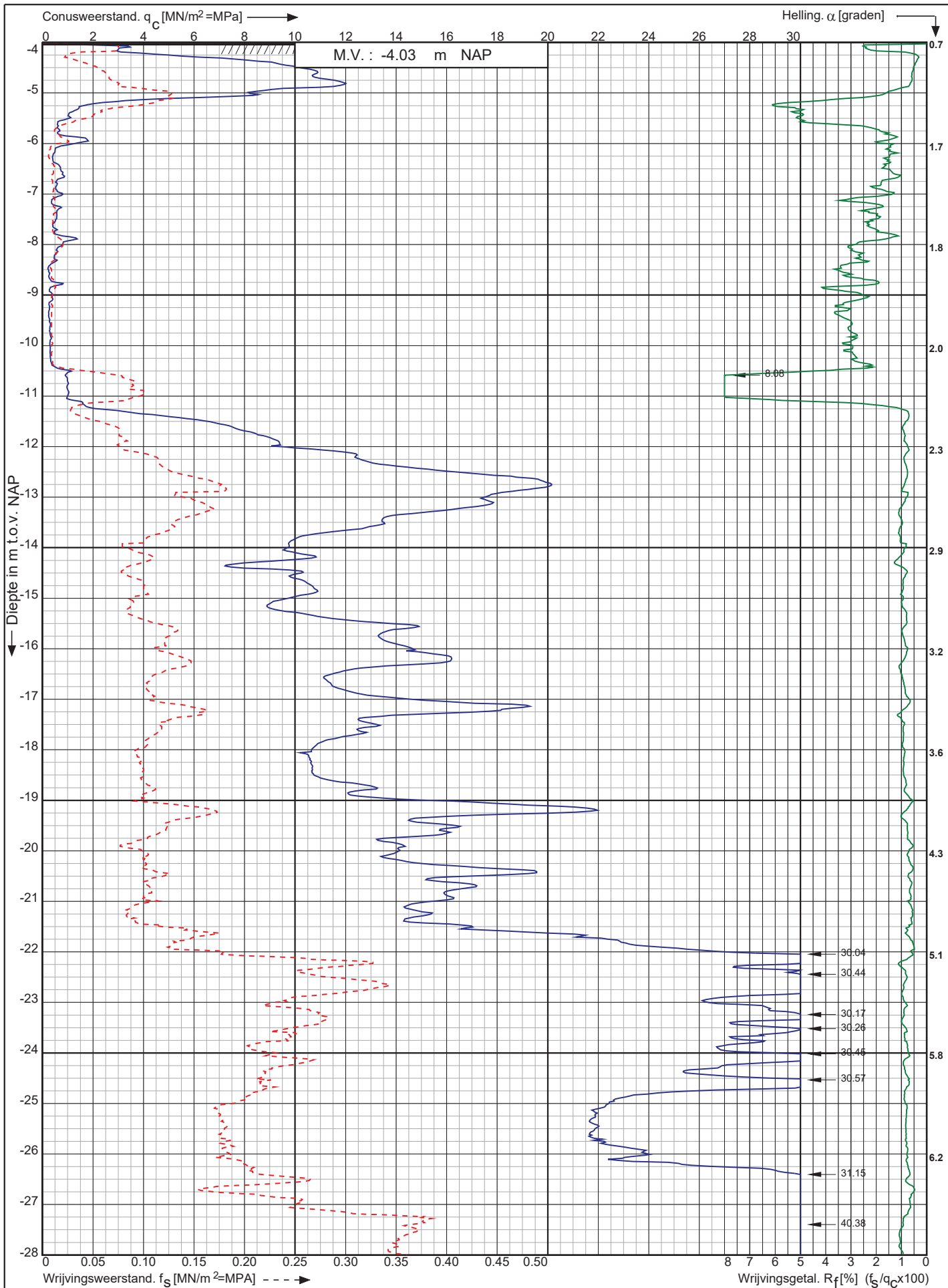


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118550.25 Y = 477903.32

Opdr. nr. : 5045

Datum uitv.: 7-7-2022

Sond. nr. : 13

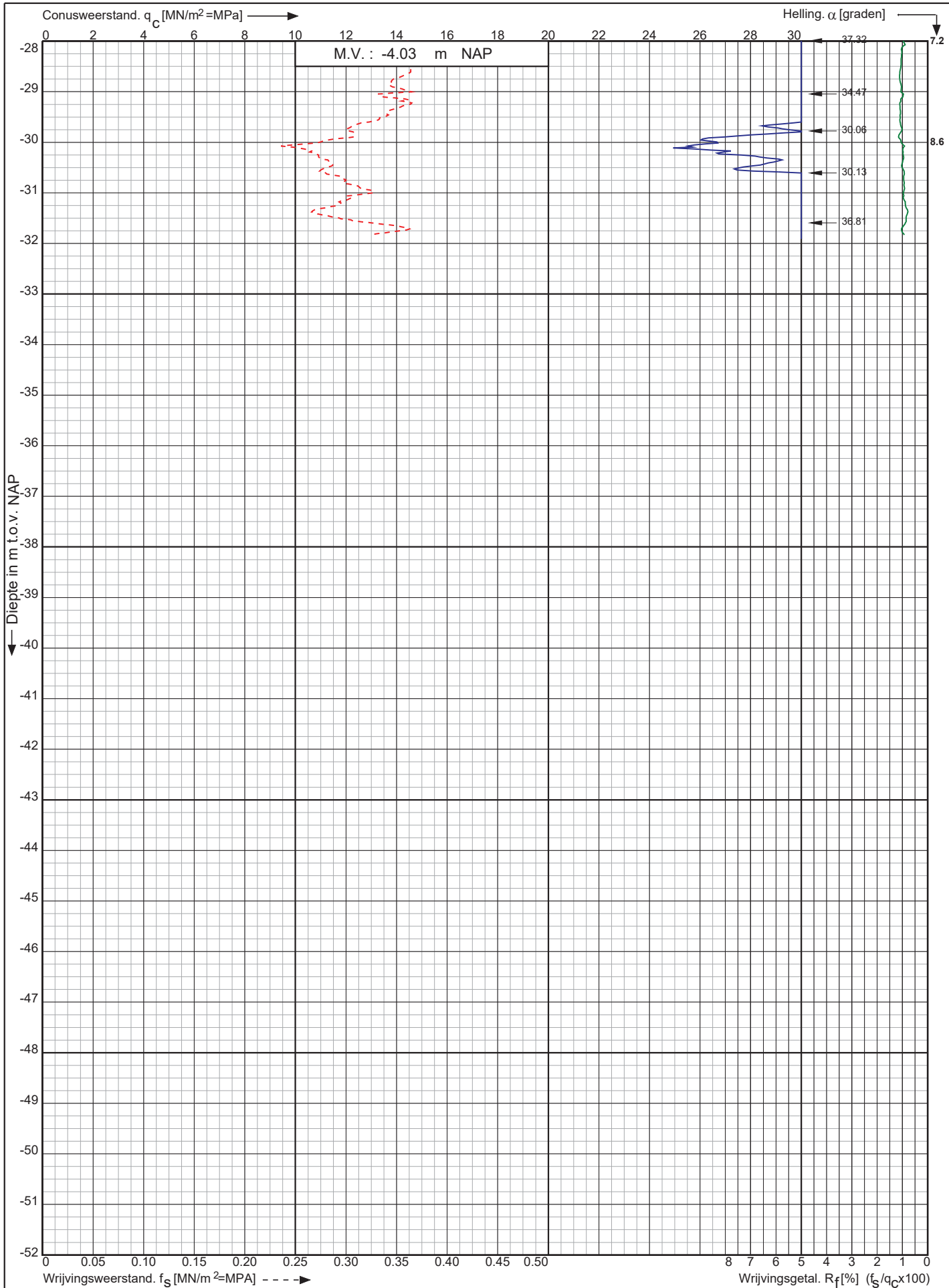
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118550.25 Y = 477903.32

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 13

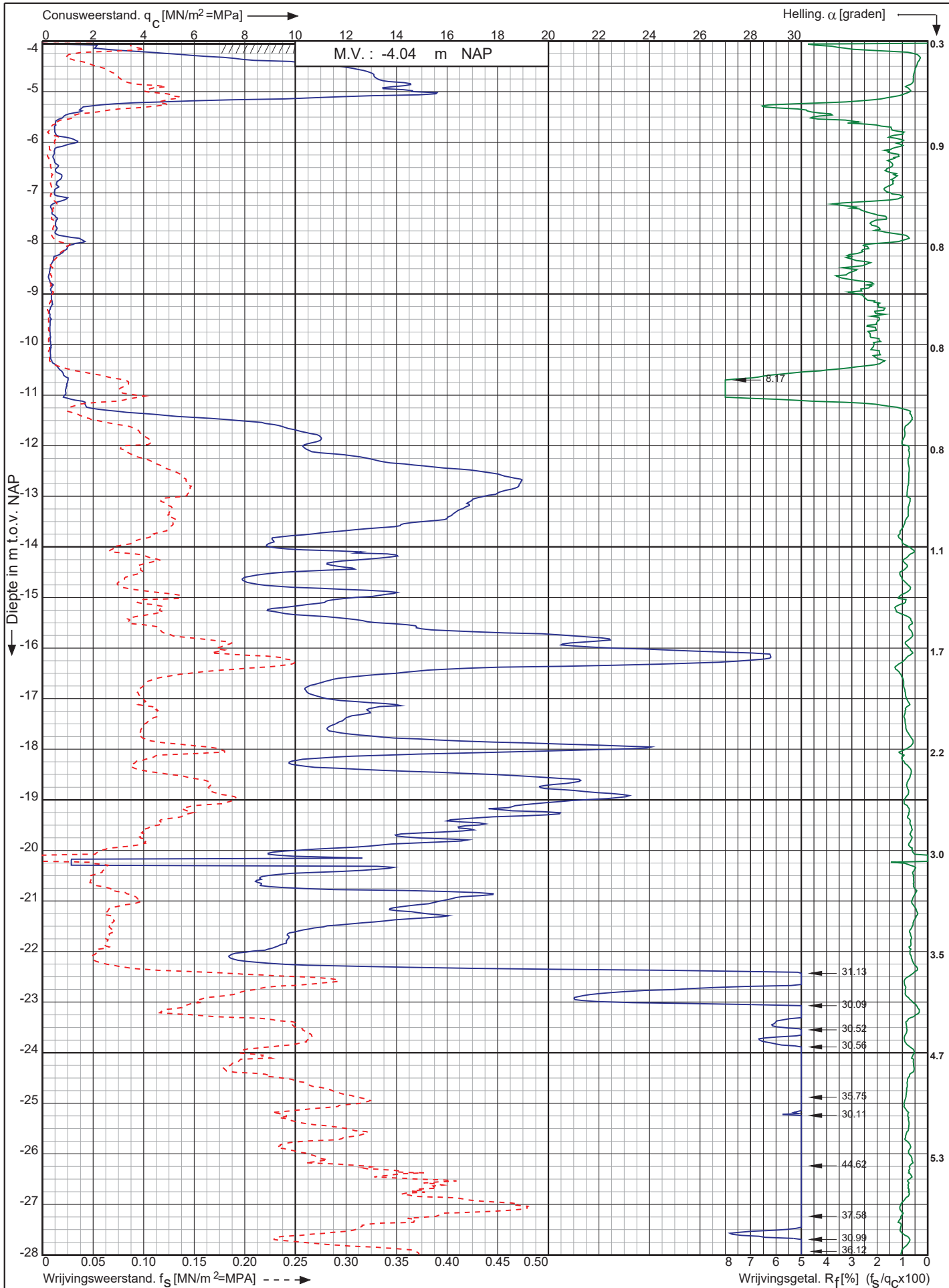
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118542.81 Y = 477924.71

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 14

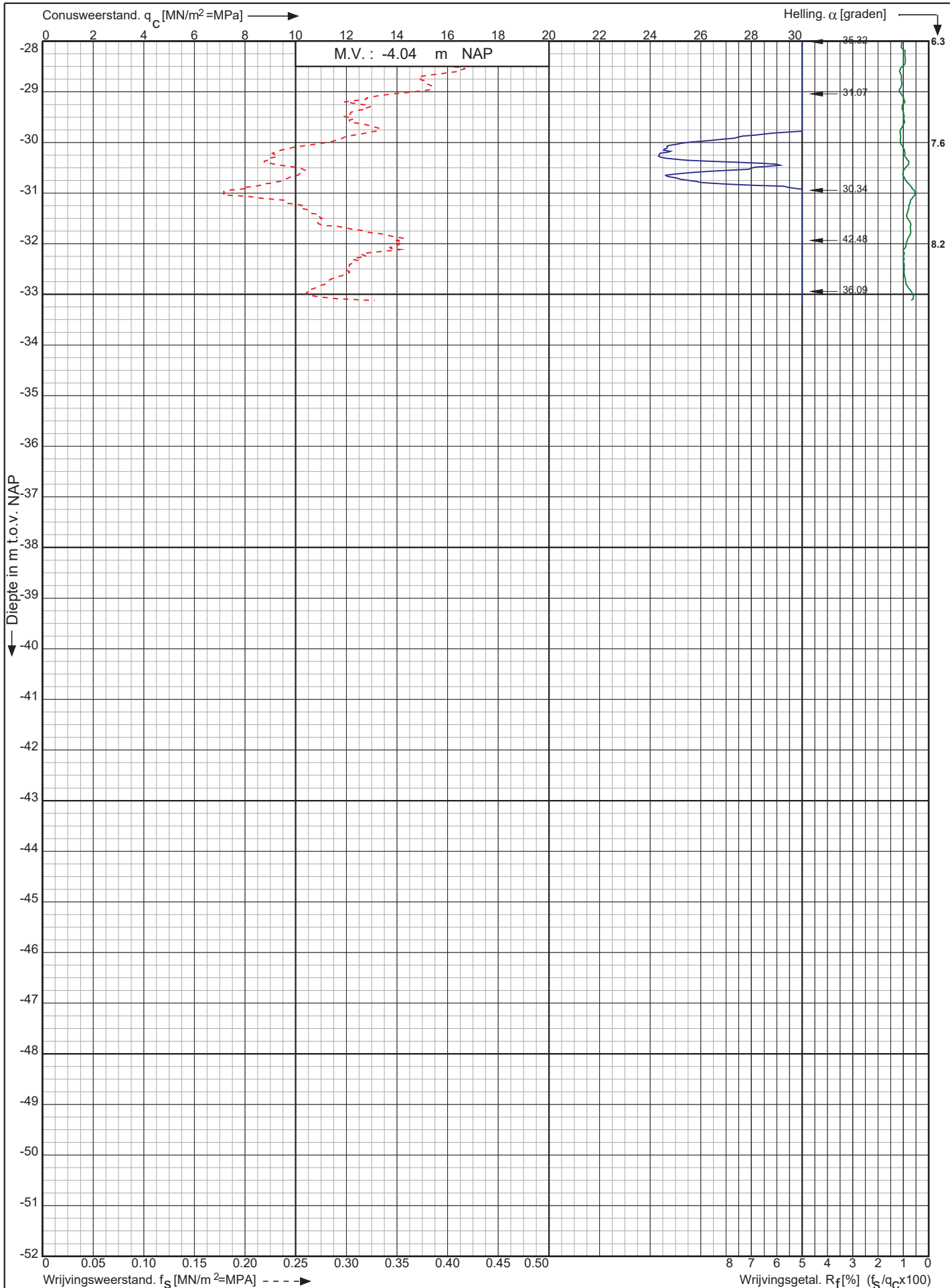
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 14

RD-coördinaten : X = 118542.81 Y = 477924.71

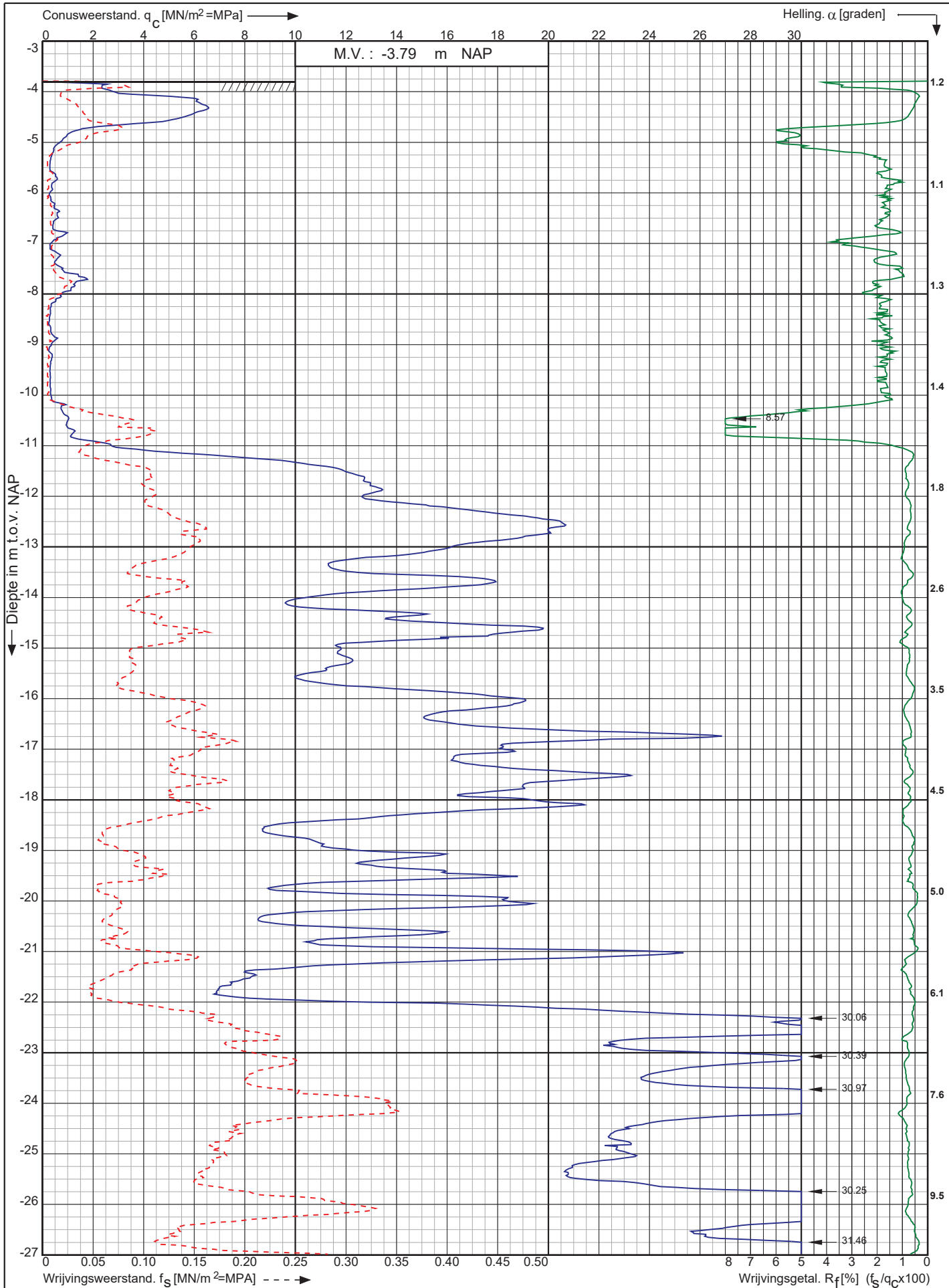


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

RD-coördinaten : X = 118554.39 Y = 477922.45

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 15

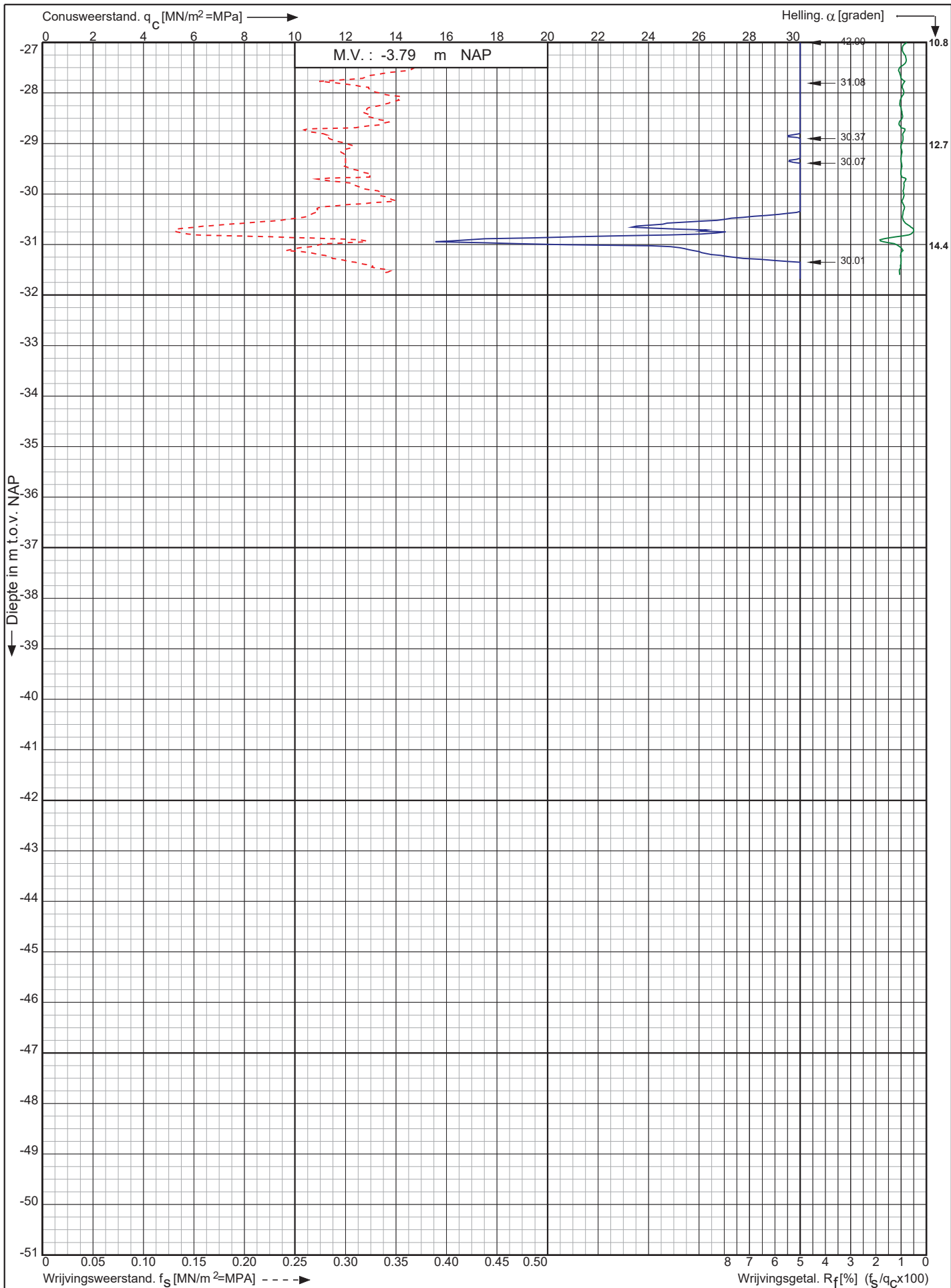
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118554.39 Y = 477922.45

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 15

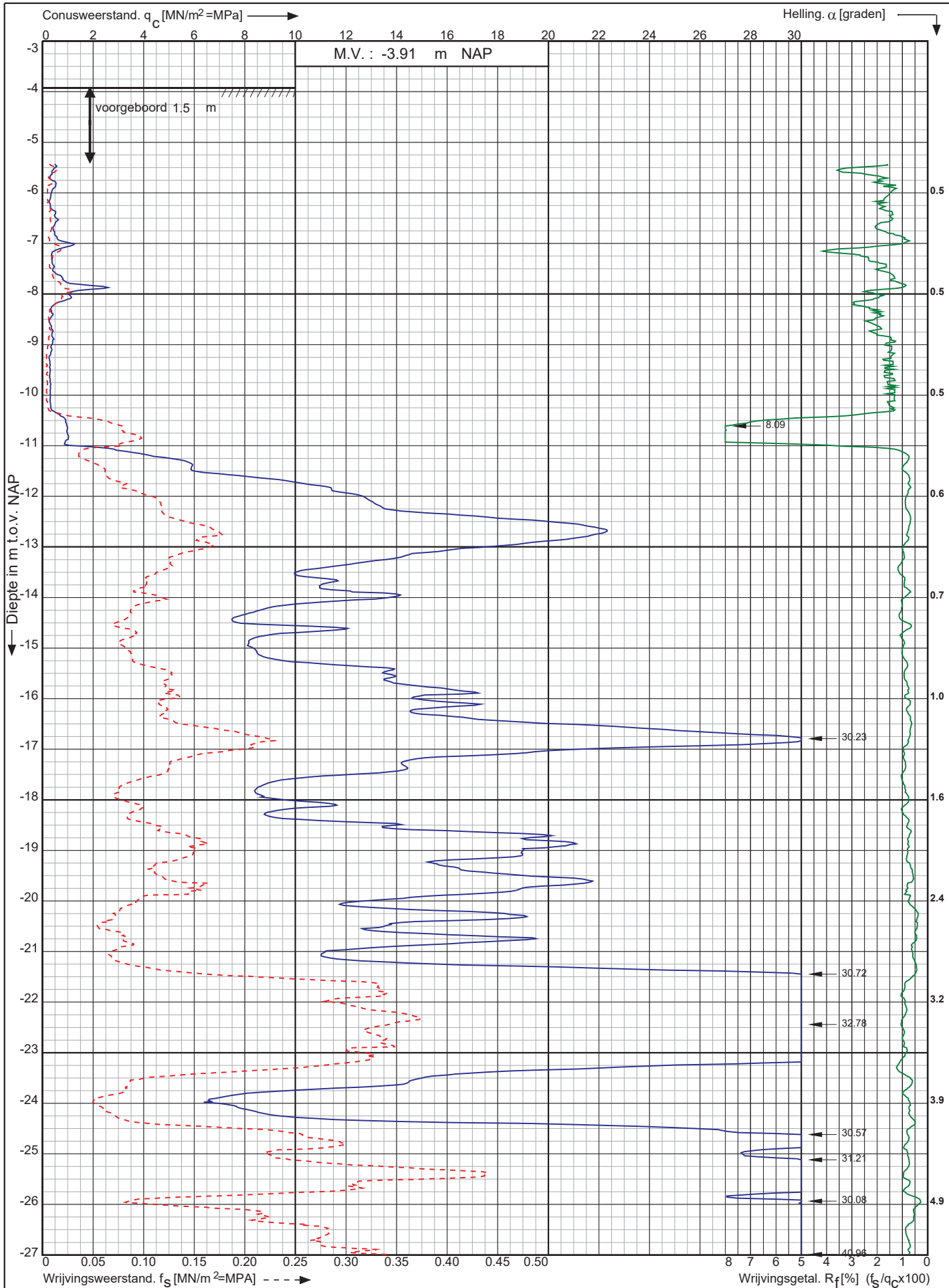
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118538.51 Y = 477943.08

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 16

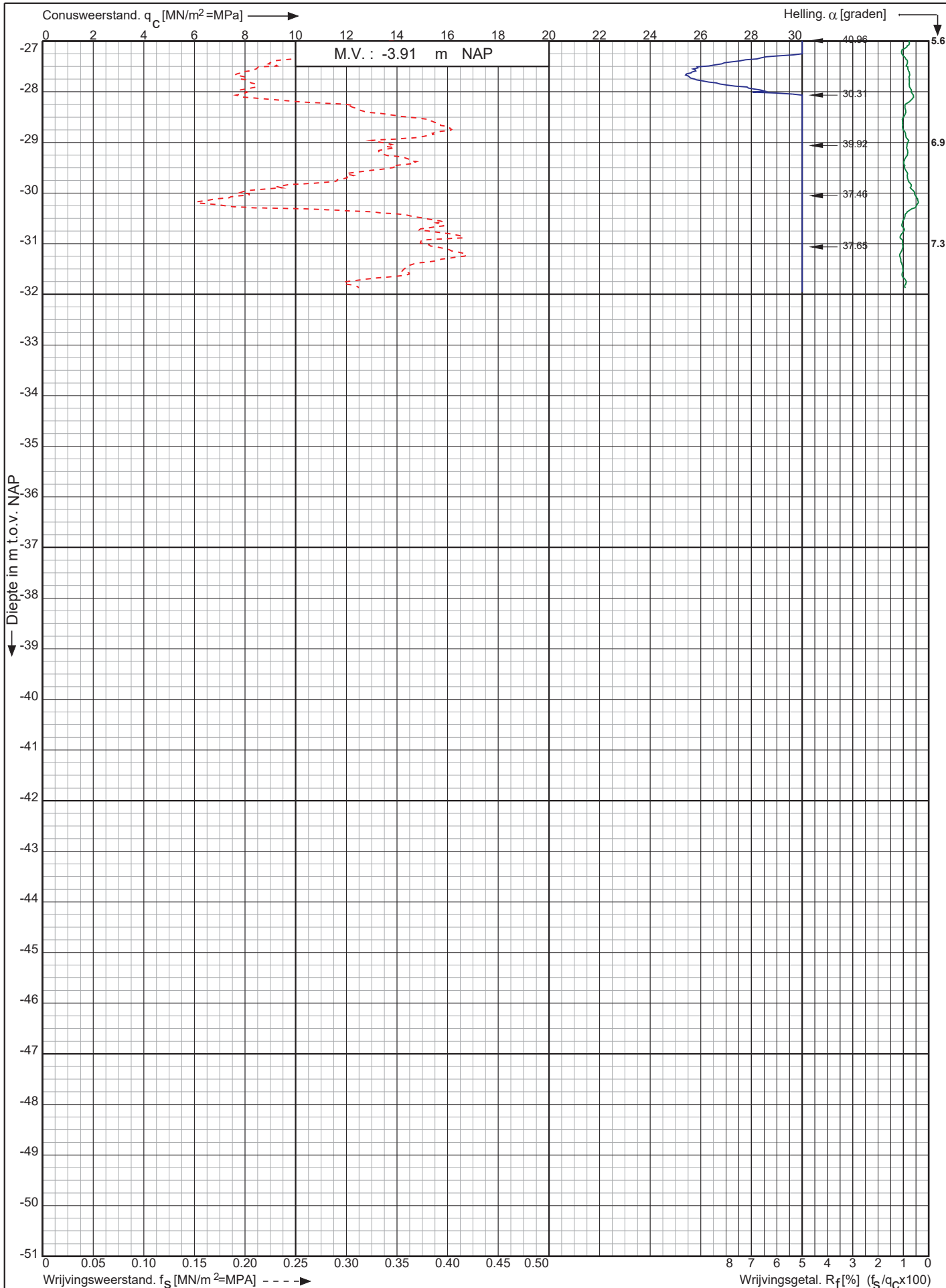
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118538.51 Y = 477943.08

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 16

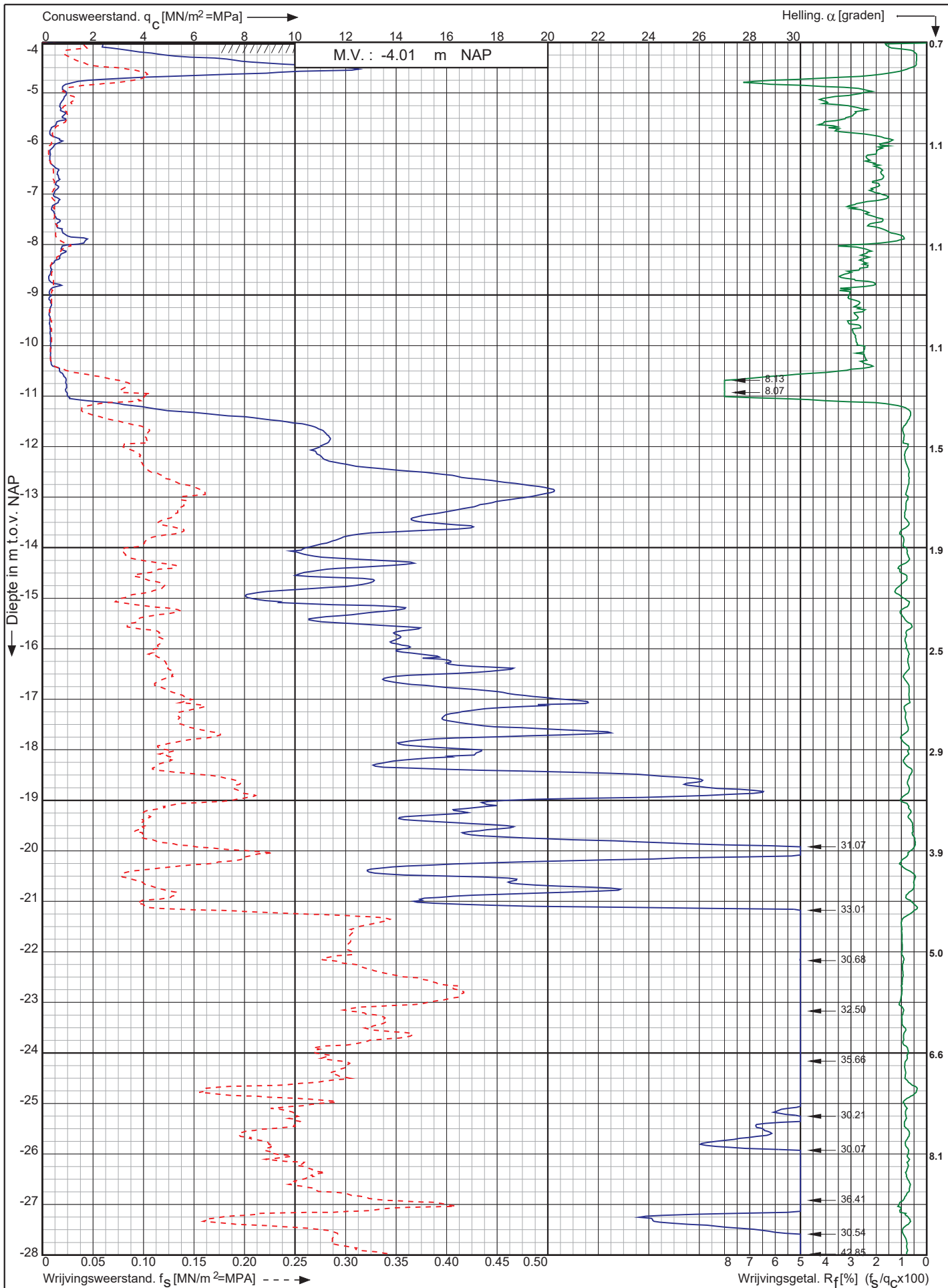
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118557.43 Y = 477942.06

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 17

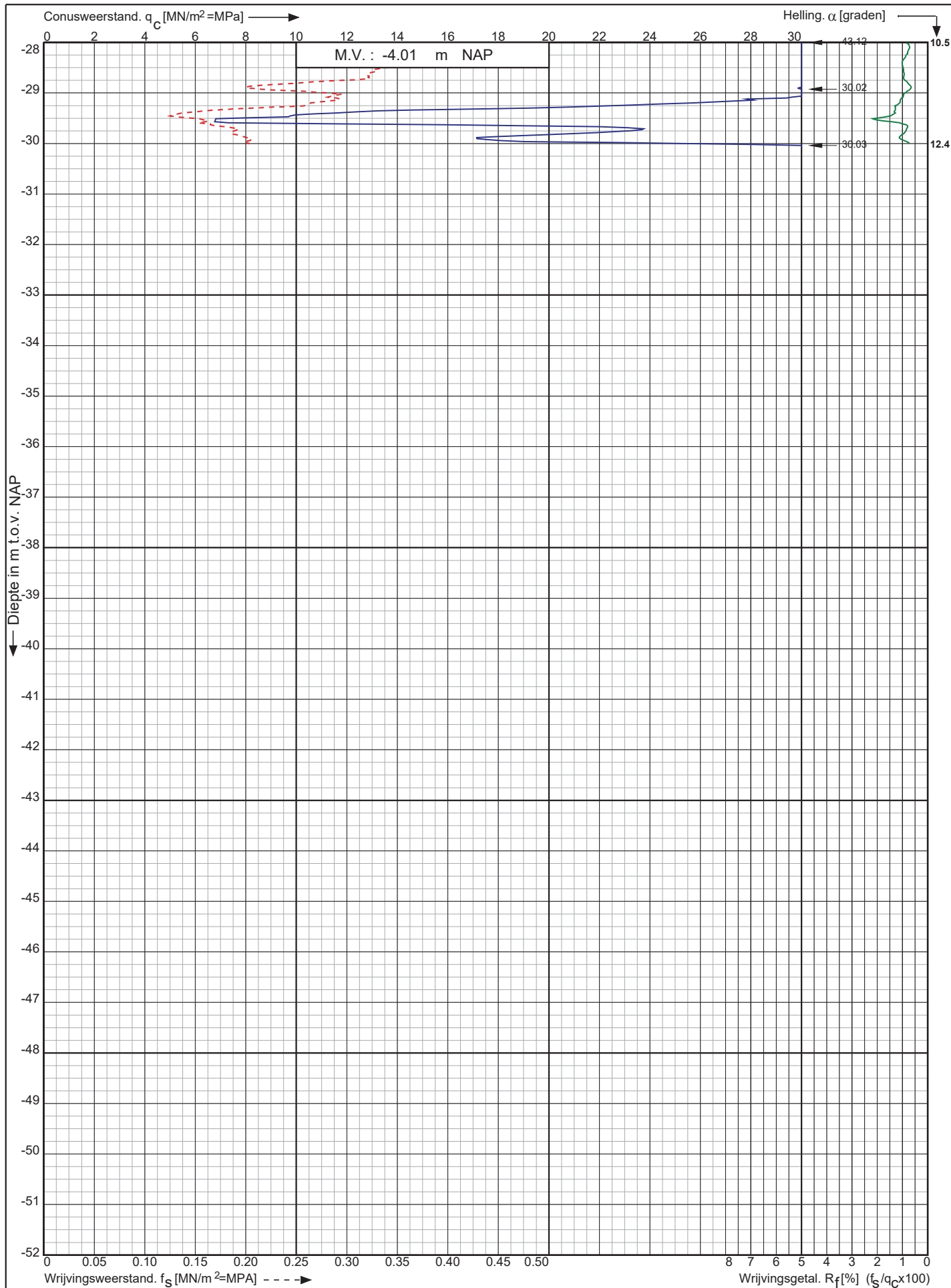


0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118557.43 Y = 477942.06

Opdr. nr. : 5045

Datum uitv. : 7-7-2022

Sond. nr. : 17

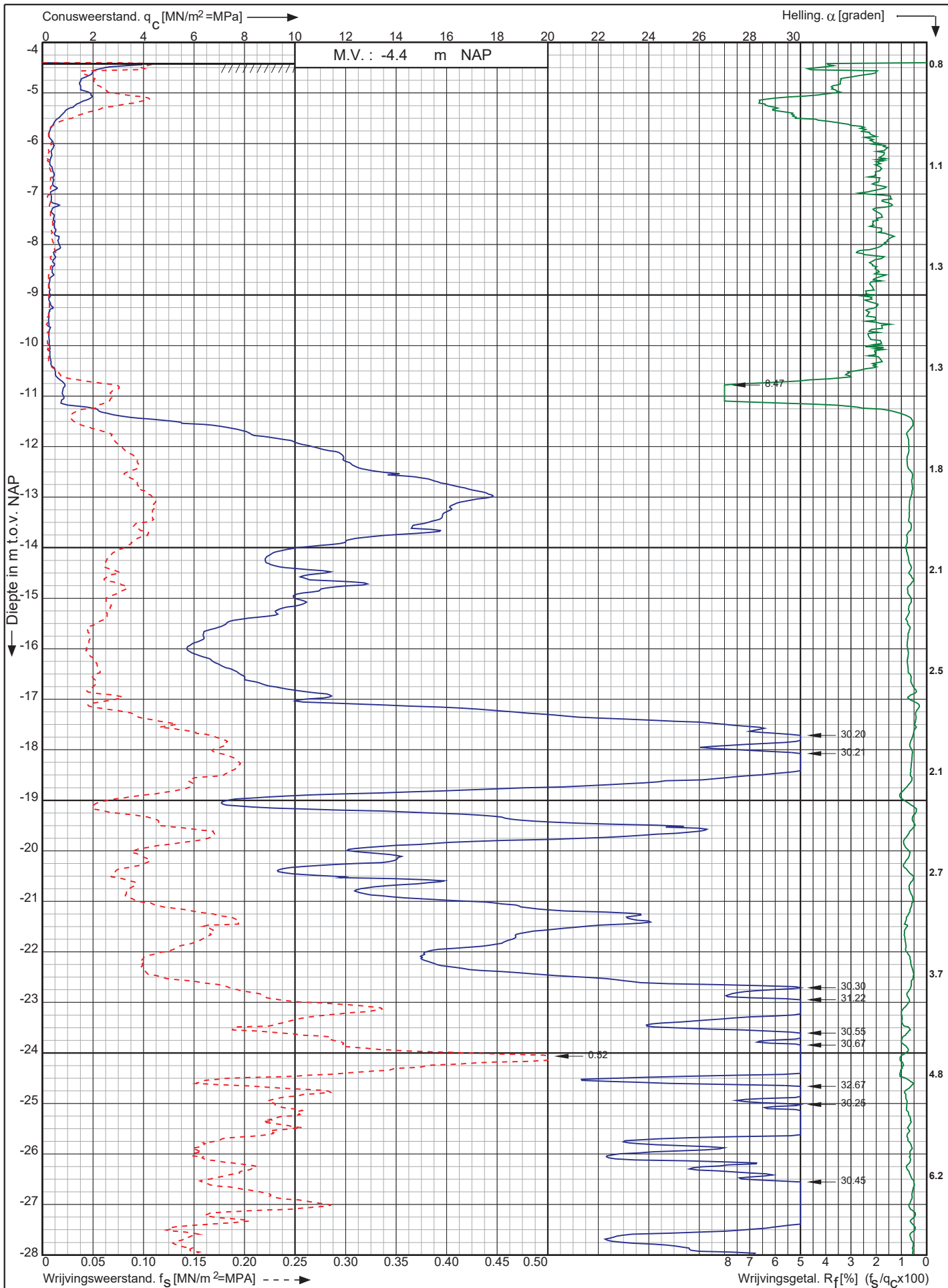
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te Amstelveen

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 18

RD-coördinaten : X = 118531.18 Y = 477814.59

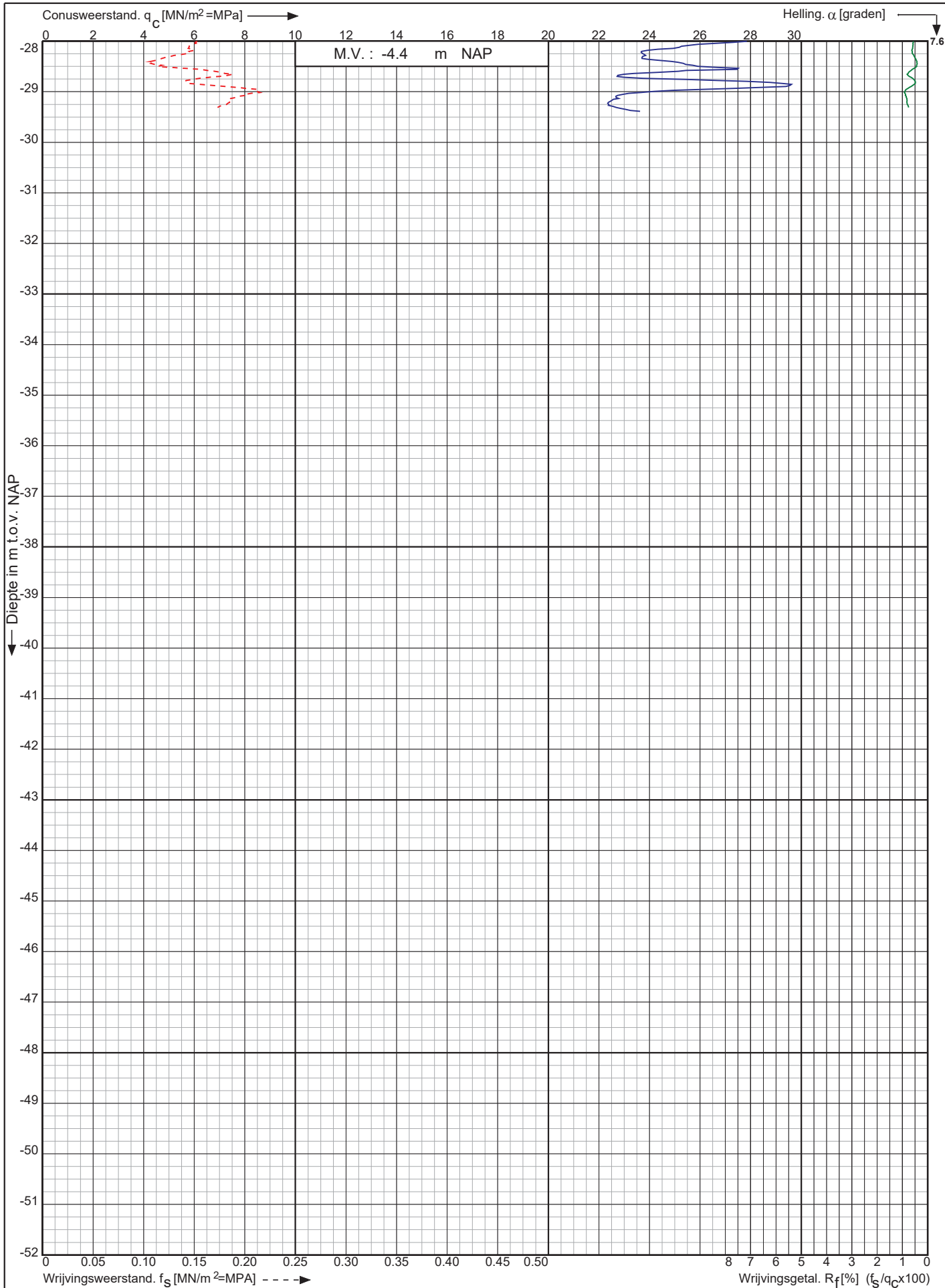
Koops
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118531.18 Y = 477814.59

Opdr. nr. : 5045

Datum uitv. : 8-7-2022

Sond. nr. : 18

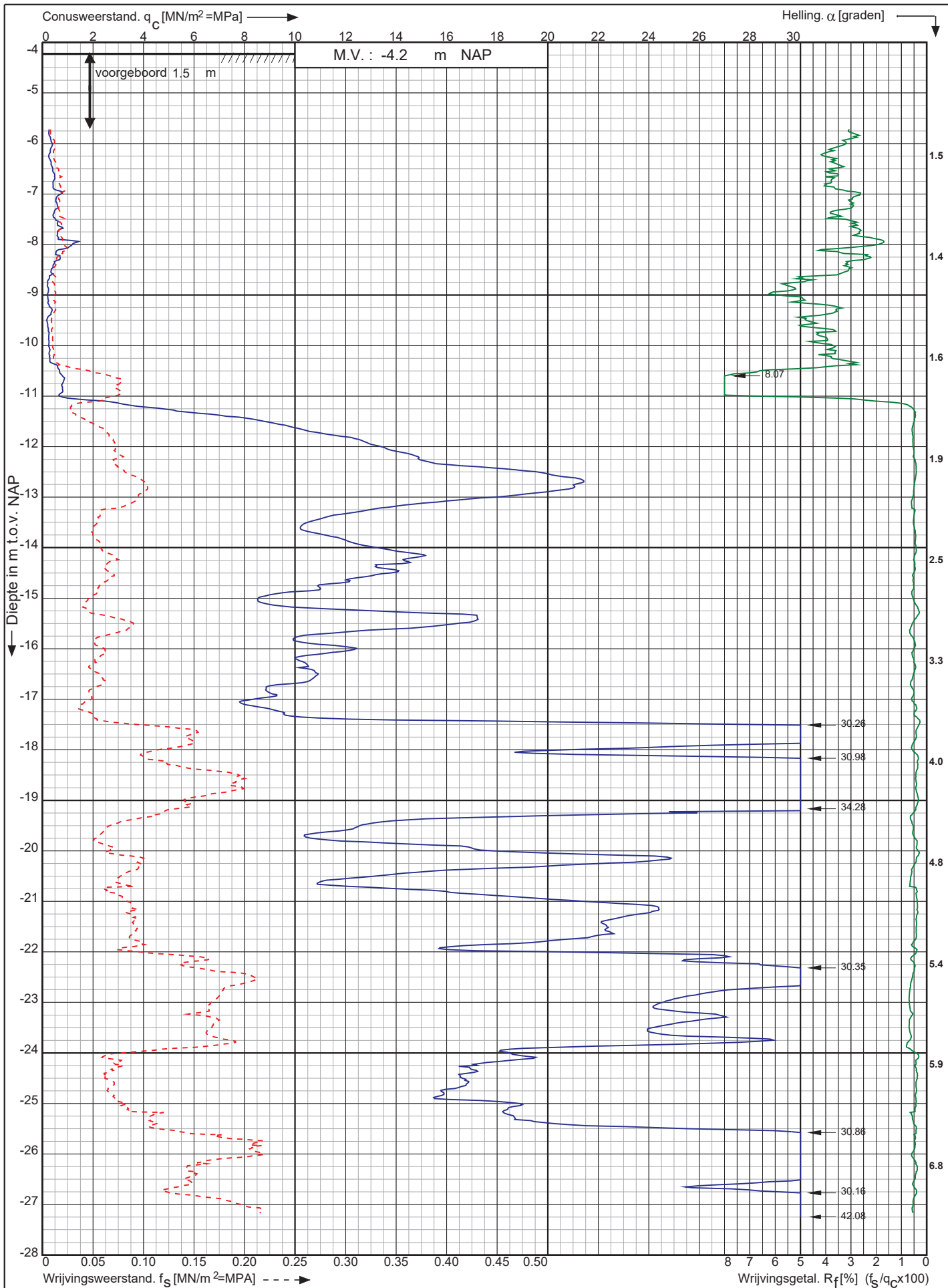
 **Koops**
grondmechanica

0522 - 260 084

Conusserienummer: 071083

Conustype: cilindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 3



Uitbr. zwembad de Meerkamp a/d Van der Hooplaan 239 te
Amstelveen

RD-coördinaten : X = 118520.45 Y = 477789.41

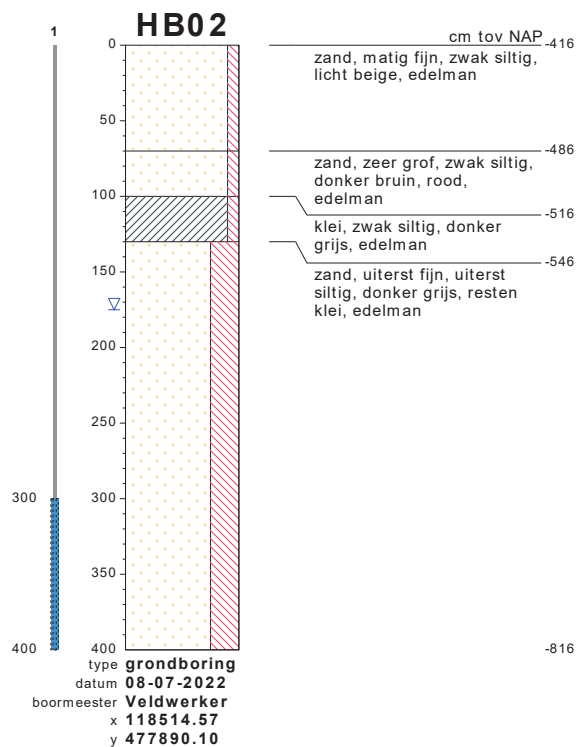
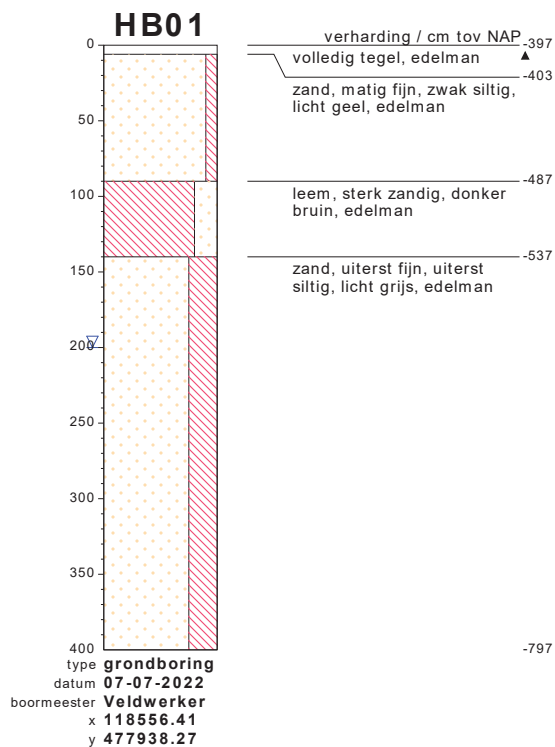
Opdr. nr. : 5045

Datum uitv. : 18-7-2022

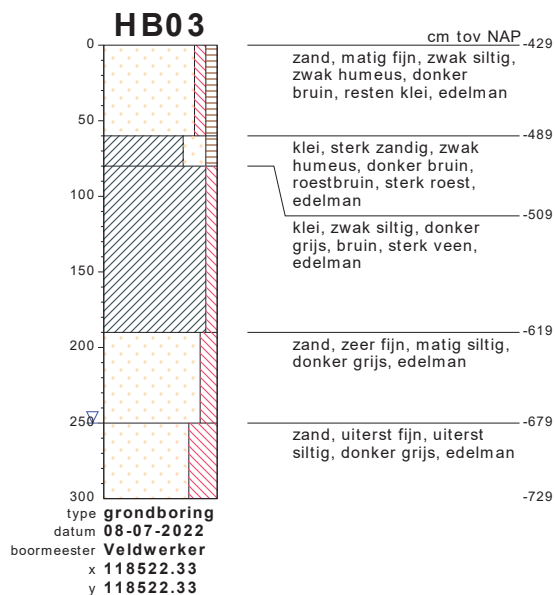
Sond. nr. : 19

Koops
grondmechanica

0522 - 260 084



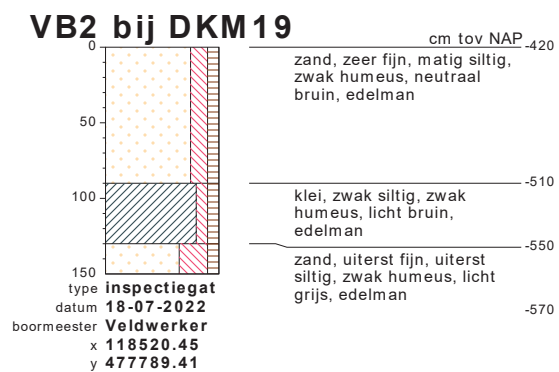
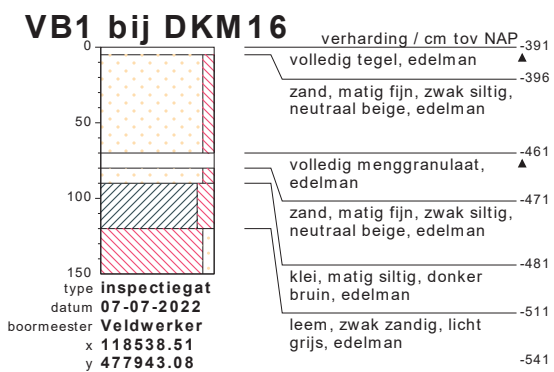
Grondwaterstand in peilbuis d.d. 18-07-2022: 1,15 m- maaiveld



bodemprofielen schaal 1:50

onderzoek
projectcode
getekend conform

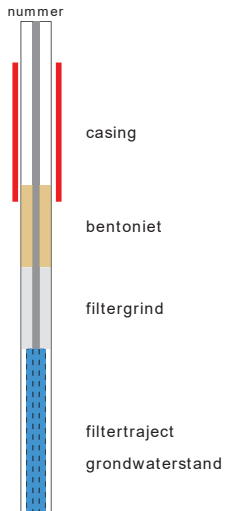
uitbreiding zwembad de Meerkamp aan de Van der Hooplaan 239 te Amstelveen
5045
NEN 5104



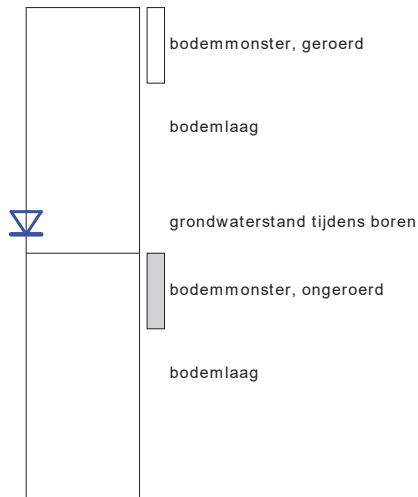
bodemprofielen schaal 1:50

onderzoek **uitbreiding zwembad de Meerkamp aan de Van der Hooplaan 239 te Amstelveen**
 projectcode **5045**
 getekend conform **NEN 5104**

PEILBUIJS

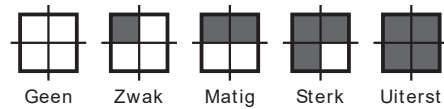


BORING

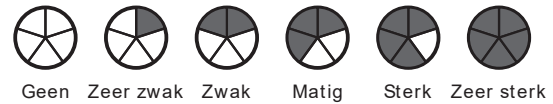


links= cm-maaiveld
rechts= cm + NAP

OLIE OP WATER REACTIE



GEUR INTENSITEIT



GRONDSOORTEN



GRIND, grindig (G,g)



ZAND, zandig (Z,z)



LEEM, siltig (L,s)



KLEI, kleilig (K,k)



VEEN, humeus (V,h)



slib

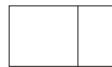
MATE VAN BIJMENGING



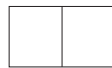
zwak - (0-5%)



matig - (5-15%)



sterk - (15-50%)



uiterst - (> 50%)

VERHARDINGEN



asfalt, beton, klinkers, tegels
stelconplaat, ondoordringbare laag

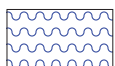
GRADATIE ZAND

uf = uiterst fijn (63-105 um)
zf = zeer fijn (105-150 um)
mf = matig fijn (150-210 um)
mg = matig grof (210-300 um)
zg = zeer grof (300-420 um)
ug = uiterst grof (420-2000 um)

OVERIG



bodemvreemde bestanddelen aanwezig



water

GRADATIE GRIND

f = fijn (2-5.6 mm)
mg = matig grof (5.6-16 mm)
zg = zeer grof (16-63 mm)

BESCHRIJVING BODEMLAAG

pid = foto ionisatie detector
bv = bodemvocht
ow = olie op water

Logformulier wegdrukbare peilbuizen

Opdrachtnummer:

5045

		Peilbuisnummer:		MDF1	
Plaatsingsdatum		12-jul-22			
Filterstelling	Van	6.20 m- mv	tot	8.20 m- mv	
Coördinaten	X-	118489.077	Y-	477821.151	
Maaiveld t.o.v. NAP		-4.317			
Bovenkant peilbuis m t.o.v. NAP		-4.312			
Grondwaterstand d.d. 18-07-22		0,20 m- maaiveld			