

Ontwerp HSP-matras Barendrecht

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13 september 2005

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- Introductie
- Ontwerpmethoden gewapend granulaat matras op palen
- Project Carnisselande
 - Paal draagvermogen
 - Horizontaal glijden
 - Monitoring

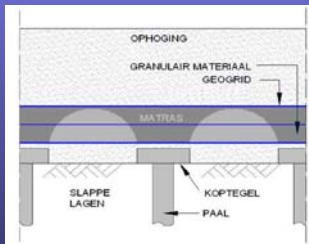
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Ontwerpmethoden

- Elementen



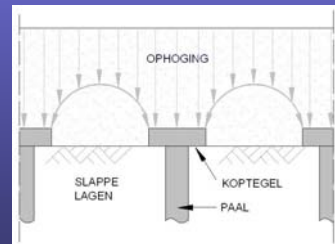
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Ontwerpmethoden

- Boogwerking



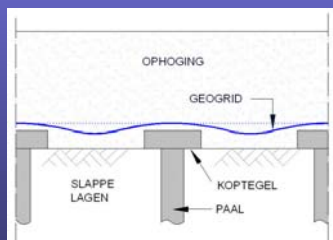
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Ontwerpmethoden

- Membraan werking



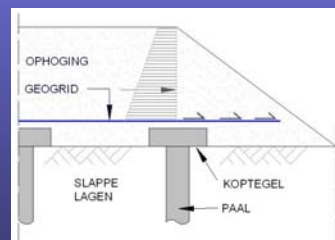
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Ontwerpmethoden

- Horizontaal glijden



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Ontwerpmethoden

Ontwerp vragen, dimensionering

- Palen
 - diepte
 - raster
 - kwaliteit
- Geogrid
 - aantal lagen
 - kwaliteit geogrid

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Ontwerpmethoden

Beschikbare ontwerpmethoden

- BS8006 (1995)
- CUR 2002-7 Gewapend granulaatmatras op palen (2002)
- Emphelung 6.9 (2004)
- Plaxis

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Ontwerpmethoden

Vergelijking ontwerpmethoden

	BS8006	Emphelung 6.9	Plaxis
Ophoging, hoek van inwendige wrijving (ψ)	nee	ja	ja
stijfheid slappe lagen pakket	nee	ja	ja
aantal lagen geogrid	1*	2	>3
horizontaal glijden, momenten in paal	nee	nee	ja
vervormingen	nee	nee*	ja

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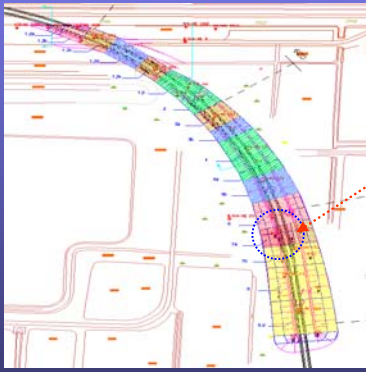


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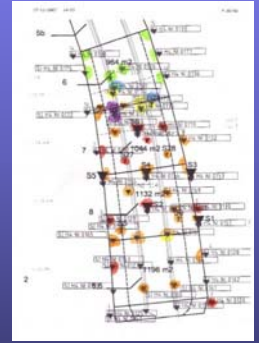
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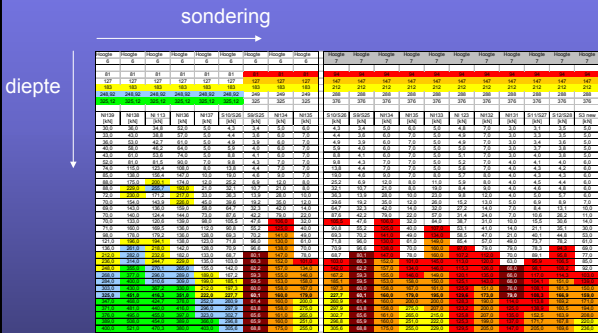
Palen 273mm

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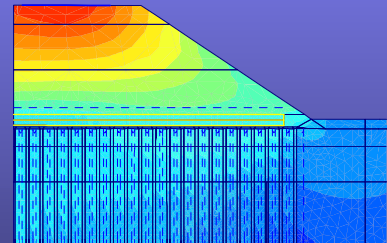
Draagkracht
(sonderingen)



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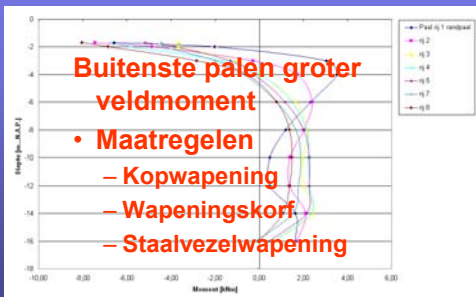


Project Carnisselande



PLAXIS doorsnede

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Praktijkproef



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Monsternamen ten bate van laboratorium proeven
Testbalken (links) en kuben (druk)



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Monitoring



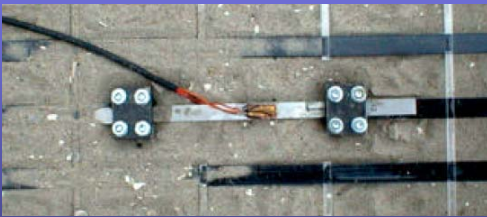
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Monitoring

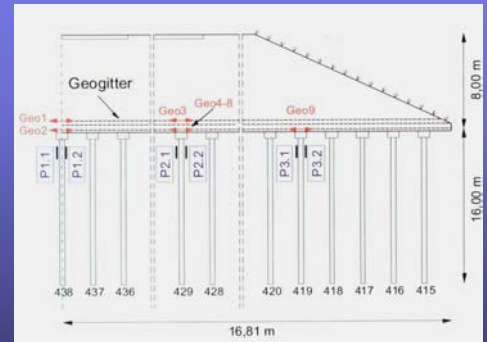


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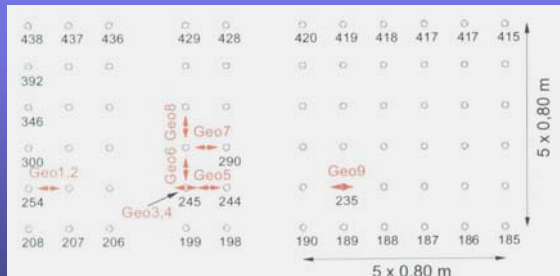


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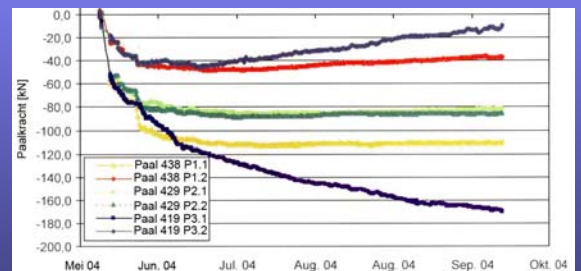


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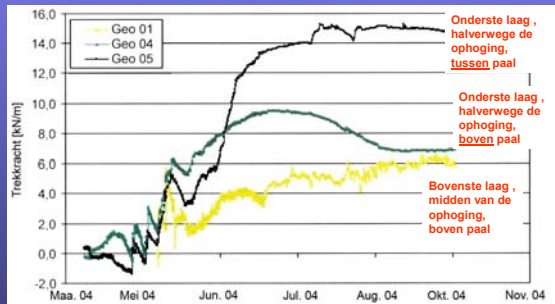


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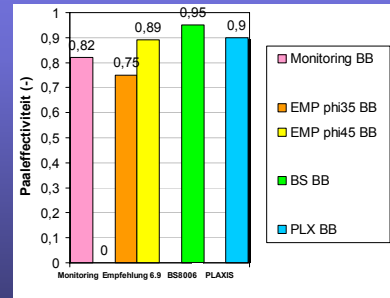
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Verificatie



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Vragen ?

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