

# EASBP FROM DCP, sand

Job Name **Redhouse Chelsea Arterial**

File No:

Job No: **400359**

Date of Test:

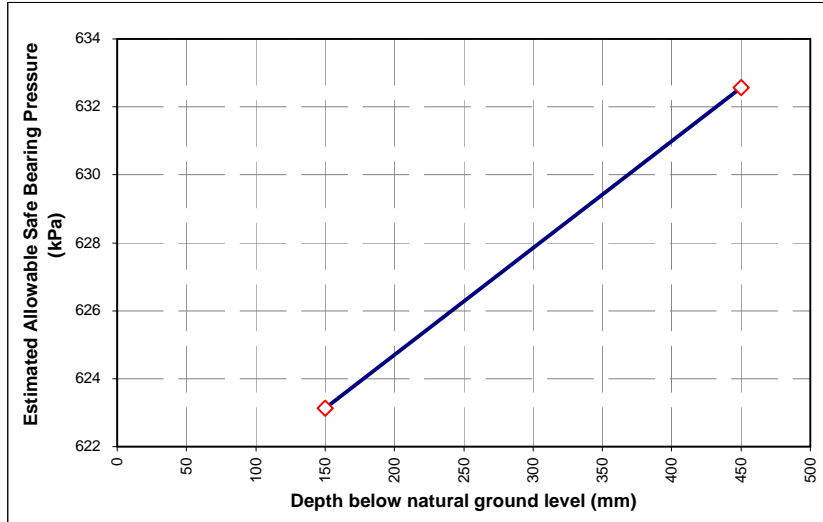
**23-Apr-10**



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **Near-refusal at 0.44 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	128	150	2	49	110	623
2	300	600	450	130	450	2	49	110	633

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File No:

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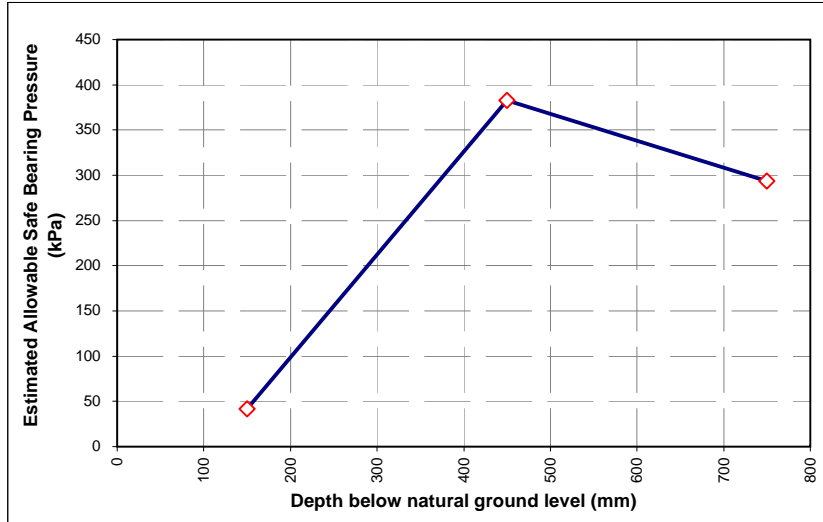
23-Apr-10



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **No refusal.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	6	150	50	2	3	42
2	300	600	450	77	450	4	29	78	383
3	600	900	750	58	750	5	22	54	293

# EASBP FROM DCP, sand

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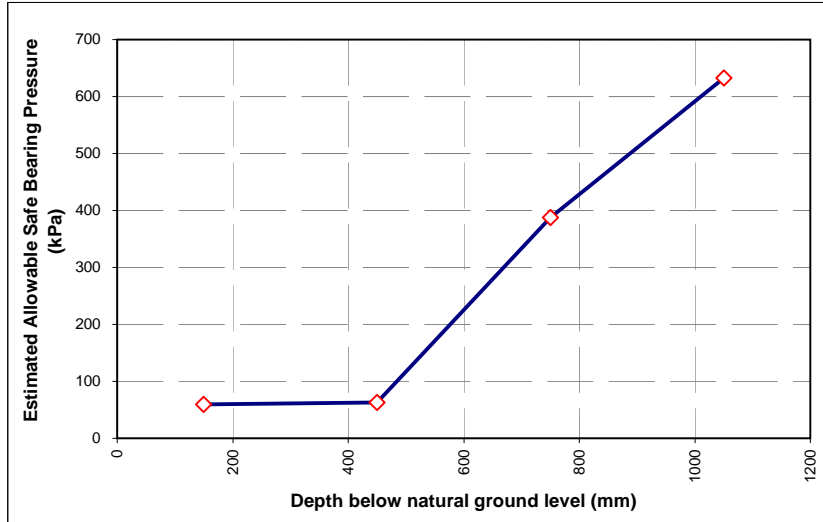
23-Apr-10



DCP No:

Location:

note: EASBP from Terzaghi & Peck p491 for 25mm settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 - 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : Near-refusal at 0.93 m bgl.

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL penetration mm	DCP mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	11	150	27	4	6	60
2	300	600	450	12	450	25	5	7	63
3	600	900	750	78	750	4	30	80	388
4	900	1200	1050	130	1050	2	49	110	633

# EASBP FROM DCP, sand

Job Name **Redhouse Chelsea Arterial**

File No:

Job No: **400359**

Date of Test:

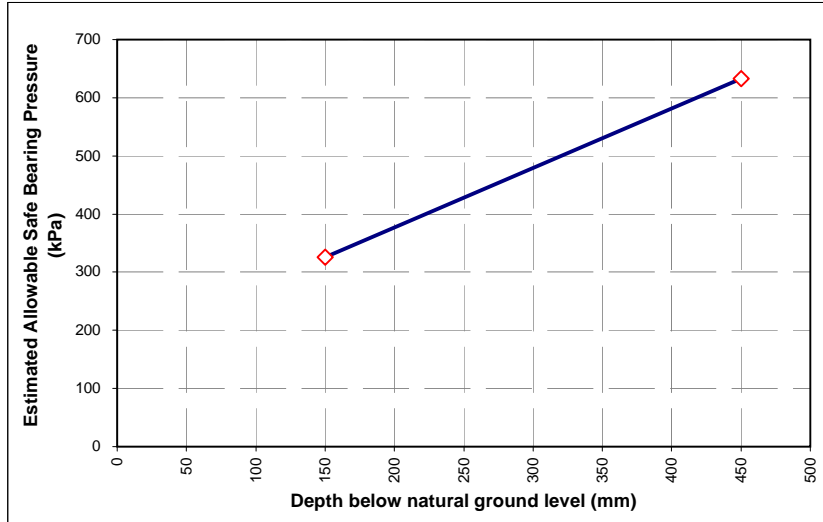
**23-Apr-10**



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **Near-refusal at 0.48 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	65	150	5	25	63	326
2	300	600	450	130	450	2	49	110	633

# EASBP FROM DCP, sand

Job Name: Redhouse Chelsea Arterial

File No:

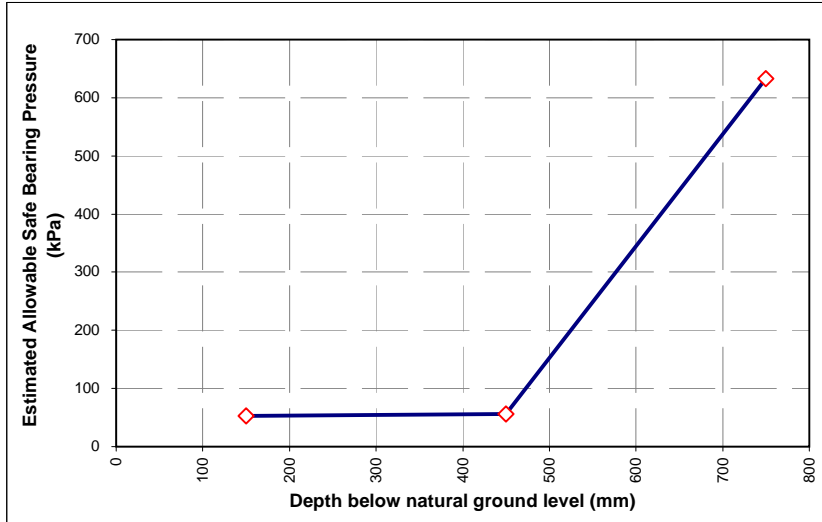
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Date of Test:

23-Apr-10



DCP No:  Location:   
 note: **EASBP** from **Terzaghi & Peck p491** for 25mm settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
 Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : Near-refusal at 0.68 m bgl.

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	9	150	33	3	5	52
2	300	600	450	10	450	30	4	5	56
3	600	900	750	130	750	2	49	110	633

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File No:

Job No: **400359**

Date of Test:

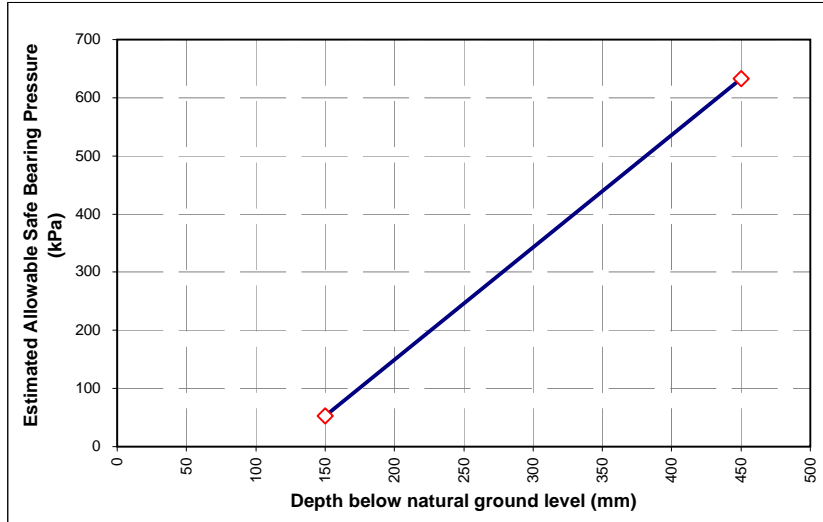
**23-Apr-10**



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **Near-refusal at 0.57 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	9	150	33	3	5	52
2	300	600	450	130	450	2	49	110	633

# EASBP FROM DCP, sand

Job Name **Redhouse Chelsea Arterial**

File No:

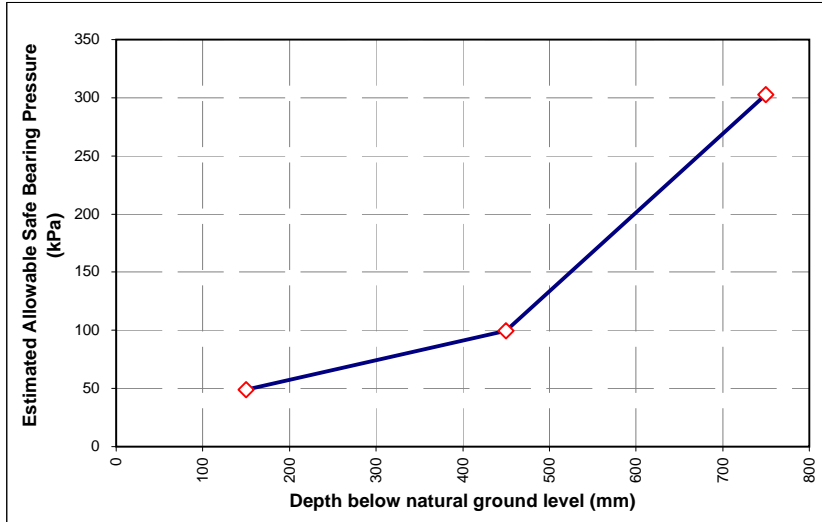
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Date of Test:

23-Apr-10



DCP No:  Location:   
**note: EASBP from Terzaghi & Peck p491 for 25mm settlement**



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
 Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **No refusal.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP mm/blow penetration	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	8	150	38	3	4	49
2	300	600	450	22	450	14	8	15	99
3	600	900	750	60	750	5	23	56	303

# EASBP FROM DCP, sand

Job Name **Redhouse Chelsea Arterial**

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Date of Test:

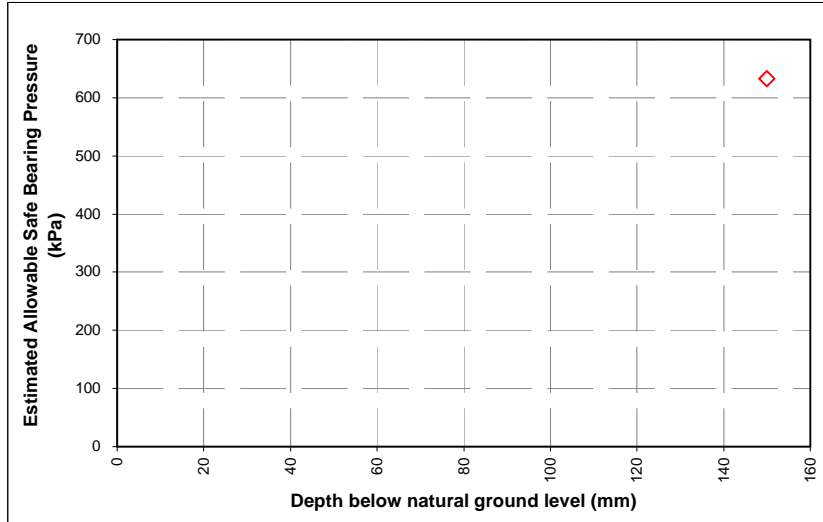
**23-Apr-10**



DCP No:

Location:

**note: EASBP from Terzaghi & Peck p491 for 25mm settlement**



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 - 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **Near-refusal at 0.21 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	130	150	2	49	110	633



# EASBP FROM DCP, sand

Job Name [Redhouse Chelsea Arterial](#)

File No:

Job No: 400359

Date of Test:

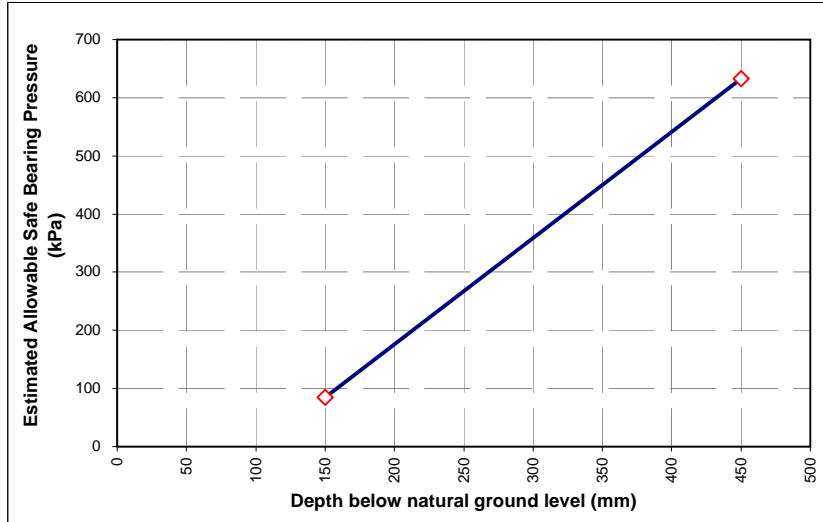
23-Apr-10



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for 25mm settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : [Near-refusal at 0.38 m bgl.](#)

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL penetration mm	DCP mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	18	150	17	7	12	85
2	300	600	450	130	450	2	49	110	633

# EASBP FROM DCP, sand

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Date of Test:

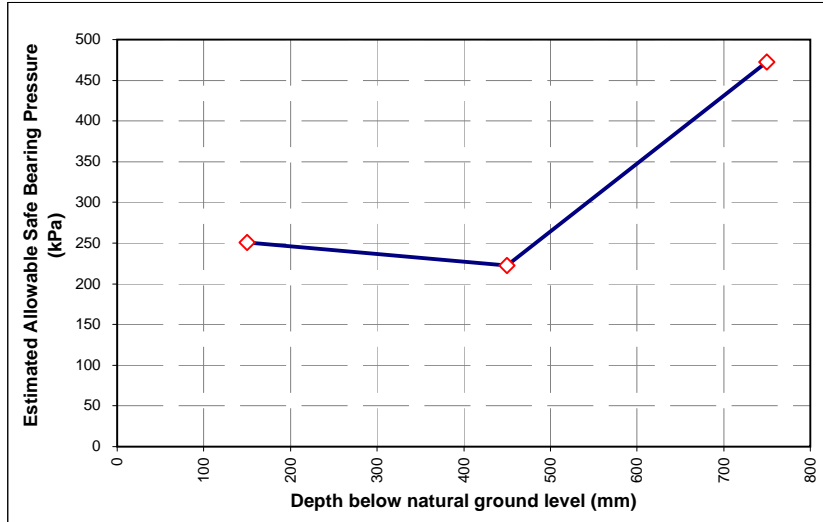
**23-Apr-10**



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **No refusal.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP mm/blow penetration	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	49	150	6	19	43	251
2	300	600	450	43	450	7	16	36	223
3	600	900	750	96	750	3	36	105	472

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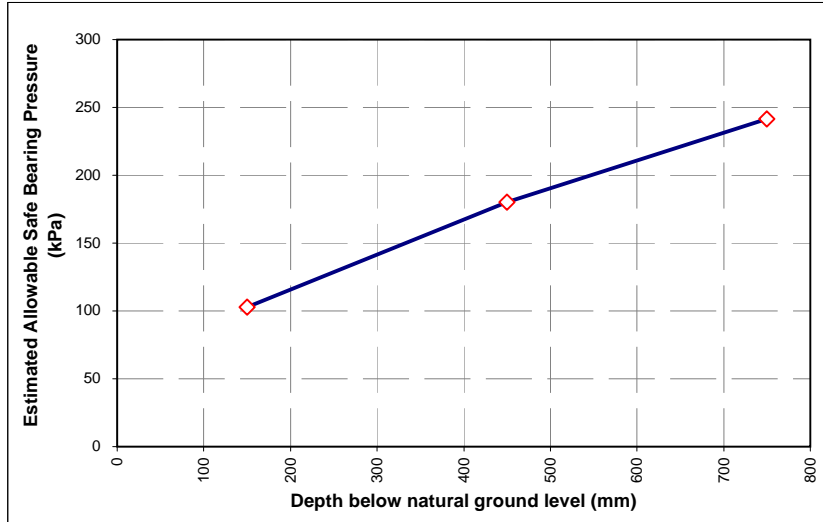
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DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **No refusal.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP mm/blow penetration	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	23	150	13	9	16	103
2	300	600	450	34	450	9	13	27	180
3	600	900	750	47	750	6	18	41	241

# EASBP FROM DCP, sand

Job Name: Redhouse Chelsea Arterial

File No:

Job No: 400359

Date of Test:

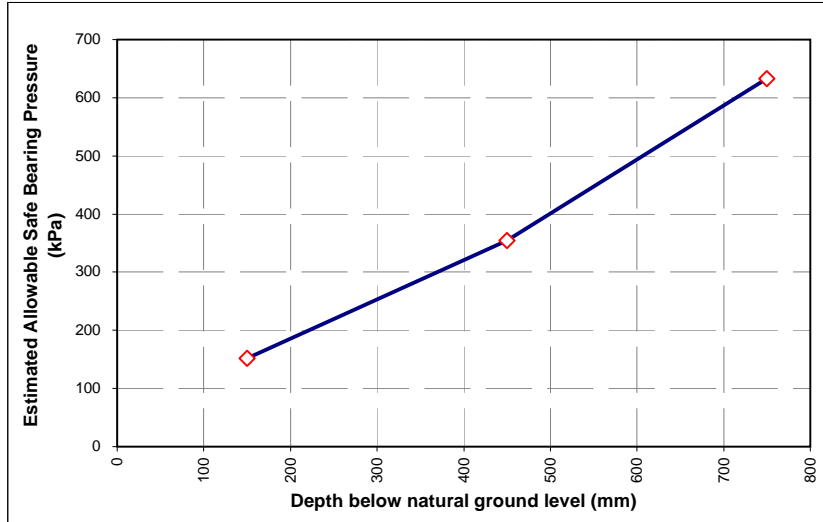
23-Apr-10



DCP No: 12

Location: Adjacent to TP16

note: EASBP from Terzaghi & Peck p491 for 25mm settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken : 0 mm below NGL

Applied Factor : 1 times Terzaghi's value

Remarks : Near-refusal at 0.78 m bgl.

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL penetration mm	DCP mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	28	150	11	11	21	152
2	300	600	450	71	450	4	27	70	355
3	600	900	750	130	750	2	49	110	633

# EASBP FROM DCP, sand

Job Name **Redhouse Chelsea Arterial**

File No:

Job No: **400359**

Date of Test:

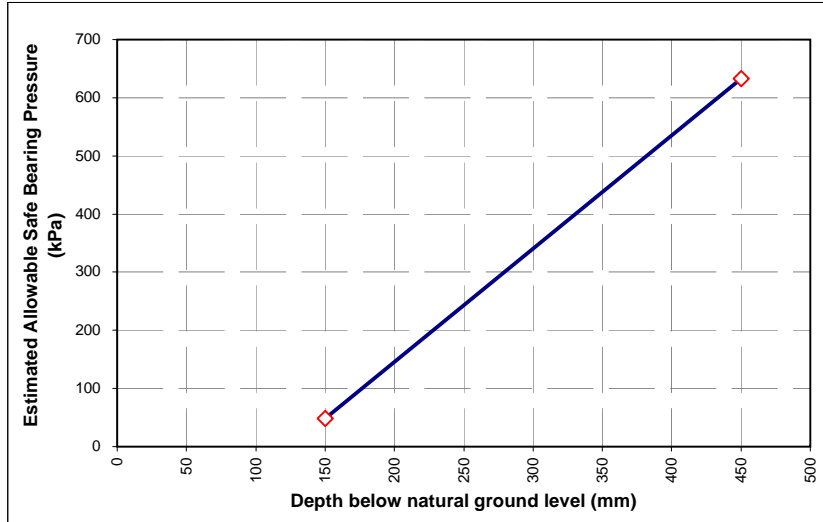
**23-Apr-10**



DCP No: **13**

Location: **Adjacent to TP13**

note: **EASBP from Terzaghi & Peck p491 for 25mm settlement**



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken : **0** mm below NGL

Applied Factor : **1** times Terzaghi's value

Remarks : **Near-refusal at 0.51 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	<b>0</b>	300	150	<b>8</b>	150	38	3	4	49
2	<b>300</b>	600	450	<b>130</b>	450	2	49	110	633

# EASBP FROM DCP, sand

Job Name [Redhouse Chelsea Arterial](#)

File No:

Job No: 400359

Date of Test:

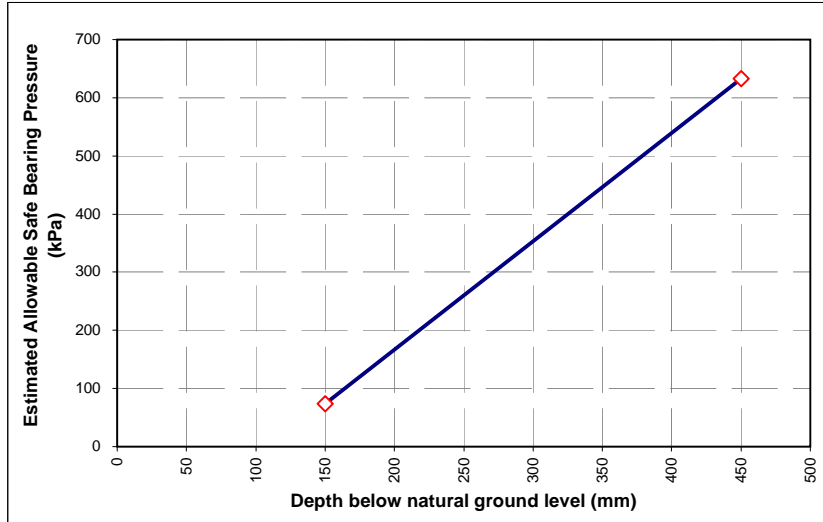
23-Apr-10



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for 25mm settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : [Near-refusal at 0.34 m bgl.](#)

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL penetration mm	DCP mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	15	150	20	6	9	74
2	300	600	450	130	450	2	49	110	633

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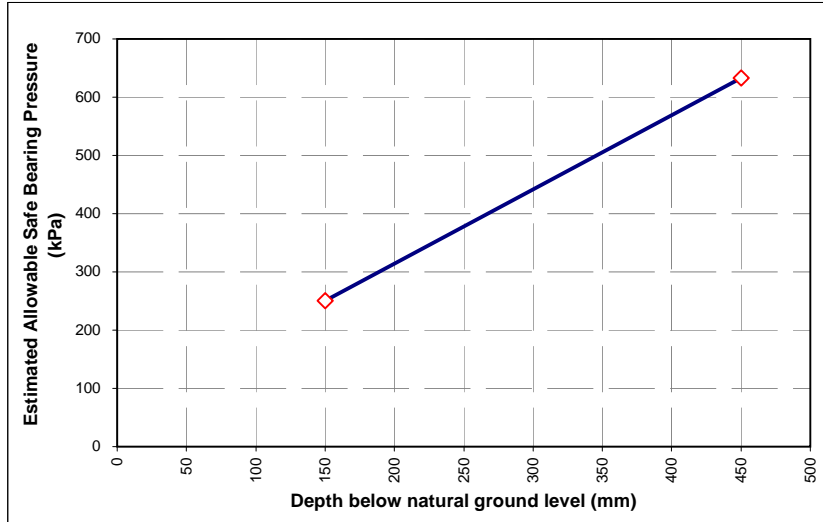
**23-Apr-10**



DCP No:

Location:

note: **EASBP** from **Terzaghi & Peck p491** for **25mm** settlement



Penetration Guide		
SPT mm/blow	DCP DN	Consistency
< 5	132-210	Very Dense
5 - 10	78-132	Dense
10 - 30	25-78	Med Dense
30 - 75	10 25	Loose
75 -100	<10	Very Loose

NOTE :  
Stated consistencies do not apply to cohesive materials. Describe using "stiff or firm or soft".

Depth of hole in which DCP was taken :  mm below NGL

Applied Factor :  times Terzaghi's value

Remarks : **Near-refusal at 0.55 m bgl.**

Reading No.	Layer From	Layer To	Average Layer Depth	DCP DN Blows/300mm	Level Below NGL mm	DCP penetration mm/blow	Equiv. SPT N Value	Approx In-situ CBR	Approx EASBP kPa
1	0	300	150	49	150	6	19	43	251
2	300	600	450	130	450	2	49	110	633