Appendix B

Site Photographs

Photo 1: Old Scottish Hospital Entrance off Cooper Street

Photo 2: Old Scottish Hospital - Cooper Street

Plate 1

Scottish Hospital **Nield Street** **Paddington**	**Project No** **71484**	**February-10**

Photo 3: Retaining Wall on the Cooper street Boundary (eastern side)

Photo 4: Retaining Wall on the Cooper Street boundary (western side)

Plate 2

Scottish Hospital **Nield Street** **Paddington**	**Project No** **71484**	**February-10**

Photo 5: Old tank on southern side of property

Photo 6: Walkways in south-west corner of the property

Plate 3

Photo 7: Rock outcrop in south-west corner of the site

Photo 8: Floaters present adjacent to rock outcrop

Plate 4

Photo 9: Rock outcrop at the base of the Morton Bag Fig Tree

Photo 10: Retaining Wall on the western boundary

Plate 5

Scottish Hospital **Nield Street** **Paddington**	**Project No** **71484**	**February-10**

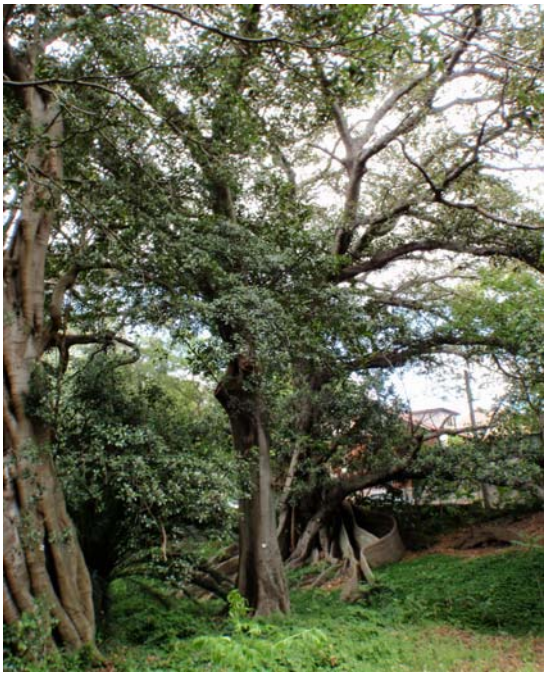

Photo 11: Fig trees on the western boundary

Photo 12: Pine Tree on western boundary

Plate 6

Photo 13: Western boundary embankment sloping down from Brown Street. Existing hospital on left (east) side

Photo 14: Slope in the central section of the property. Car park at base. Operating Theatre to the left (east). Existing Hospital to the right(west). Original hospital at the top of the slope (south).

Plate 7

Photo 15: Slope in the central section of the property

Photo 16: Slope in the central section of the site

Plate 8

Photo 17: Retaining wall at the top of the slope

Photo 18: Old Scottish Hospital (northern side)

Plate 9

Photo 19: Old Scottish Hospital (northern side) & garden terrace

Photo 20: Old Scottish Hospital (northern side)

Plate 10

Photo 21: Operating Theatre on the eastern side of the site

Photo 22: Piers below the Operating Theatre.

Plate 11

Photo 23: Piers below the Theatre

Photo 24: Piers below the Theatre showing erosional channel

Plate 12

Appendix C

Results of Douglas Partners Pty Ltd's (DP) Geotechnical Investigation and Environmental Assessment for the Scottish Hospital, Paddington dated May 2000 (Ref: DP Project 28538A)

TEST BORE REPORT

BORE No: 1
DATE: 25-26/5/00
SHEET 1 **OF** 2

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

PROJECT No: 28538A
SURFACE LEVEL: 15.6 AHD
DIP OF HOLE: 90°
AZIMUTH:

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard)	Soil: Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sample Type	Core Rec. %	RQD %	Test Results & Comments
0.04	BITUMINOUS CONCRETE								
0.3	FILLING - gravel and clayey silt filling					A			
	FILLING - gravel and crushed sandstone filling								
0.9	FILLING - grey sand filling					A			3,3,3
1.0	FILLING - poorly compacted, light grey to grey brown crushed sandstone filling					S			N=6
						A			2,5,3
						S			N=8
3.1	SAND - loose, humid, yellow brown, fine to medium grained sand					A			
						S			1,3,4 N=7
5.7	CLAYEY SAND - medium dense, humid, light brown yellow, fine to medium grained clayey sand					S			3,5,6 N=11
	- 7.0m - orange yellow					S			2,5,13 N=18
7.4	SANDSTONE - extremely low strength, extremely weathered, fractured to slightly fractured, light golden yellow and brown, fine and medium grained sandstone (hard sandy clay properties) with high strength ironstone bands					C	93	24	PL (A)=1.6MPa
7.5	Core loss 150mm								
7.65									PL (A)=1.4MPa
									PL (A)=1.5MPa
9.8	SANDSTONE - see next page								

RIG: TWIN STEER **DRILLER:** DRIVER **LOGGED:** PARMAR **CASING:** GL TO 7.5m

TYPE OF BORING: SFA TO 7.5m, NMLC CORING TO 12.0m

WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 7.3m WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 22.6

Douglas Partners
Geotechnics · Environment · Groundwater

TEST BORE REPORT

BORE No: 1
DATE: 25-26/5/00
SHEET 2 **OF** 2
AZIMUTH:

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

PROJECT No: 28538A
SURFACE LEVEL: 15.6 AHD
DIP OF HOLE: 90°

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard)	Soil: Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sampling & In Situ Testing: Sample Type	Core Rec. %	RQD %	Test Results & Comments
10	SANDSTONE – high strength, moderately and slightly weathered, fractured to slightly fractured, light yellow brown and grey white, medium to coarse grained sandstone with medium strength bands								PL (A)=0.5MPa
11	– 10.81m: 25–30mm carbonaceous laminae						100	84	PL (A)=2.5MPa
12 12.0	TEST BORE DISCONTINUED AT 12.0 METRES								
13									
14									
15									
16									
17									
18									
19									
20									

RIG: TWIN STEER **DRILLER:** DRIVER **LOGGED:** PARMAR **CASING:** GL TO 7.5m

TYPE OF BORING: SFA TO 7.5m, NMLC CORING TO 12.0m

WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 7.3m WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 22-6

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TEST BORE REPORT

BORE No: 2
DATE: 25-26/5/00
SHEET 1 **OF** 2
AZIMUTH:

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON
PROJECT No: 28538A
SURFACE LEVEL: 15.8 AHD
DIP OF HOLE: 90°

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard) / Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sample Type	Core Rec. %	RQD %	Test Results & Comments
0	0.04 BITUMINOUS CONCRETE							
	0.1 FILLING - blue metal gravel							
	0.3 FILLING - grey sand filling							
	FILLING - sand and crushed sandstone filling							
1	0.9 SAND - medium dense, damp, light yellow brown, fine to medium grained sand				S			7,13,11 N=24
2								
	2.7 SAND - medium dense, damp to humid, light brown yellow and orange yellow, fine to medium grained, slightly clayey sand				S			4,6,8 N=14
3								
4					S			3,8,8 N=16
5								
	5.4 SAND - medium dense, humid, light orange red and yellow, fine to medium grained sand with a trace of clay				S			8,10,16 N=26
6								
	6.45 SANDSTONE - very low and extremely low to very low strength, extremely weathered, light red brown and yellow grey, fine to medium grained sandstone (hard sandy clay properties) with medium strength ironstone band				C	82	11	
7	7.65 Core loss 300mm							
	7.95 SANDSTONE - medium then high strength, moderately and slightly weathered, slightly fractured, light yellow brown and grey, fine and medium grained sandstone with extremely low strength bands							PL (A)=0.5MPa
8	- 8.4m:J 85° rough planar							PL (A)=0.6MPa
	- 8.48m:J 60° slightly rough planar infilled with 2-3mm sandy clay				C	100	82	
9	- 9.62m:J 70° rough planar							PL (A)=1.3MPa
10								

RIG: TWIN STEER **DRILLER:** DRIVER **LOGGED:** PARMAR **CASING:** GL TO 5.5m

TYPE OF BORING: SFA-5.5m,ROTARY (MUD)- 6.4m,NMLC CORING-10.55m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 22.6

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TEST BORE REPORT

BORE No: 2
DATE: 25-26/5/00
SHEET 2 **OF** 2

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

PROJECT No: 28538A
SURFACE LEVEL: 15.8 AHD
DIP OF HOLE: 90°
AZIMUTH:

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard)	Soil: Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sampling & In Situ Testing: Sample Type	Core Rec. %	RQD %	Test Results & Comments
10	SANDSTONE – as above – 10.3m to 10.55m – very low to low strength					C	100	82	PL (A)=0.1MPa
10.55	TEST BORE DISCONTINUED AT 10.55 METRES								
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

RIG: TWIN STEER **DRILLER:** DRIVER **LOGGED:** PARMAR **CASING:** GL TO 5.5m

TYPE OF BORING: SFA–5.5m,ROTARY (MUD)– 6.4m,NMLC CORING–10.55m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 22-6

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TEST BORE REPORT

BORE No: 3
DATE: 15/6/00
SHEET 1 **OF** 2

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: 74 BROWN STREET, PADDINGTON

PROJECT No: 28538A
SURFACE LEVEL: 19.3 AHD
DIP OF HOLE: 90°

AZIMUTH:

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard) / Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sampling & In Situ Testing: Sample Type	Core Rec. %	RQD %	Test Results & Comments
0	FILLING - dark grey sand filling							
0.6	FILLING - very loose to loose, dark brown to brown, very fine grained sand filling with a trace of clay and root				S			1,2,3 N=5
2.5	SAND - medium dense, light yellow, brown, fine to medium grained sand				S			2,5,6 N=11
					S			7,10,15 N=25
					S			9,14,14 N=28
7.0	SANDSTONE - extremely low strength, extremely weathered, light yellow brown sandstone				S			12,19,18 N=37
	- 8.6m - 8.89m - low to medium strength - 8.84m:J 30° rough planar							PL (A)=0.3MPa
8.95	- 8.95m:Core loss 1200mm due to extremely low strength sandstone				S	65	48	
10								

RIG: GEMCO **DRILLER:** KIERNAN **LOGGED:** PARMAR **CASING:** HW TO 2.5m

TYPE OF BORING: SFA-2.5m,ROTARY (MUD)-8.6m,NMLC CORING TO 16.0m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 28.6

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TEST BORE REPORT

BORE No: 3
DATE: 15/6/00
SHEET 2 **OF** 2
AZIMUTH:

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: 74 BROWN STREET, PADDINGTON
PROJECT No: 28538A
SURFACE LEVEL: 19.3 AHD
DIP OF HOLE: 90°

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard)	Soil: Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sample Type	Core Rec. %	RQD %	Test Results & Comments
10	SANDSTONE - as before								
10.15									
10.2	SANDSTONE - low to medium strength, highly weathered, light yellow brown, medium grained sandstone								PL (A)=0.9MPa
10.6	- 10.43m:J 70° rough								
11	SANDSTONE - medium to high then high strength, slightly weathered, slightly fractured, light grey, fine to medium grained sandstone					S	65	48	PL (A)=1.0MPa
12									PL (A)=1.3MPa
						C	100	100	
	- 12.7m to 12.75m - with carbonaceous laminae								PL (A)=2.0MPa
13									PL (A)=2.9MPa
	- 13.45m - 5-6mm low strength siltstone					C	100	97	
14									
	- 14.1m:B 20° rough planar with 2-3mm silty carbonaceous laminae								
14.32	SANDSTONE - high strength, fresh, slightly fractured to unbroken, light grey, medium to coarse grained sandstone								PL (A)=2.9MPa
15	- 14.31m: 2-3mm carbonaceous laminae								
						C	100	100	PL (A)=2.3MPa
16	16.0 TEST BORE DISCONTINUED AT 16.0 METRES								
17									
18									
19									
20									

RIG: GEMCO **DRILLER:** KIERNAN **LOGGED:** PARMAR **CASING:** HW TO 2.5m

TYPE OF BORING: SFA-2.5m,ROTARY (MUD)-8.6m,NMLC CORING TO 16.0m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 28·6

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TEST BORE REPORT

BORE No: 4
DATE: 9-14/6/00
SHEET 1 **OF** 2
AZIMUTH:

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: 74 BROWN STREET, PADDINGTON
PROJECT No: 28538A
SURFACE LEVEL: 21.2 AHD
DIP OF HOLE: 90°

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard) / Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sampling & In Situ Testing: Sample Type	Core Rec. %	RQD %	Test Results & Comments
0	FILLING – dark brown sand filling							
1.0	FILLING – very loose to loose, dark brown, fine grained, slightly clayey sand filling with a trace of root				S			1,2,3 N=5
2.5	SAND – loose then medium dense, light brown yellow, fine to medium grained sand				S			3,4,5 N=9
					S			6,9,12 N=21
	– 5.5m to 6.8m – very dense				S			11,25/ref
6.8	SANDSTONE – extremely low to very low strength, extremely weathered, light yellow brown sandstone				S			25/110mm ref PL (A)=0.3MPa
7.35	SANDSTONE – low to medium and medium strength, moderately weathered, slightly fractured, light yellow brown, medium grained sandstone							
8.0	– 8.0m:Core loss 250mm due to extremely weathered sandstone				C	85	79	PL (A)=0.6MPa
8.25								
8.52	SANDSTONE – medium then high strength, slightly weathered, slightly fractured, light grey, medium to coarse grained sandstone							PL (A)=0.8MPa
					C	100	95	
10								

RIG: GEMCO **DRILLER:** KIERNAN **LOGGED:** PARMAR **CASING:** GL TO 2.5m

TYPE OF BORING: SFA-2.5m,ROTARY (MUD)-7.35m,NMLC CORING TO 16.1m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 28.6

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TEST BORE REPORT

BORE No: 4
DATE: 9-14/6/00
SHEET 2 **OF** 2
AZIMUTH:

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: ENVIRONMENTAL/GEOTECHNICAL ASSESSMENT
LOCATION: 74 BROWN STREET, PADDINGTON
PROJECT No: 28538A
SURFACE LEVEL: 21.2 AHD
DIP OF HOLE: 90°

Depth (m)	Description of Strata	Graphic Log	Soil: Cohesive (Very Soft, Soft, Firm, Stiff, Very Stiff, Hard)	Soil: Non-Cohesive (Very Loose, Loose, Med. Dense, Dense, Very Dense)	Rock Strength (Ex. Low, Very Low, Low, Medium, High, Very High, Ex. High)	Sampling & In Situ Testing: Sample Type	Core Rec. %	RQD %	Test Results & Comments
10	SANDSTONE – medium then high strength, slightly weathered, slightly fractured, light grey, medium to coarse grained sandstone								
	– 10.59m: 1–2mm carbonaceous laminae					C	100	95	PL (A)=1.5MPa
11									
11.58	– 11.58m to 11.82m – medium strength laminated siltstone								PL (A)=0.4MPa
11.82	– 11.82m to 12.11m – low to medium strength laminated sandstone								PL (A)=0.3MPa
12									
12.11	SANDSTONE – high strength, fresh, slightly fractured, light grey, fine to medium grained sandstone								
	– 12.57m to 12.73m – with carbonaceous laminae								PL (A)=1.6MPa
13						C	100	99	
									PL (A)=1.8MPa
14									
14.59	SANDSTONE – high strength, fresh, slightly fractured, light grey, medium to coarse grained sandstone								PL (A)=2.3MPa
15						C	100	98	
	– 15.87m: J 50° rough planar								PL (A)=1.2MPa
16									
16.1	TEST BORE DISCONTINUED AT 16.1 METRES								
17									
18									
19									
20									

RIG: GEMCO **DRILLER:** KIERNAN **LOGGED:** PARMAR **CASING:** GL TO 2.5m

TYPE OF BORING: SFA–2.5m, ROTARY (MUD)–7.35m, NMLC CORING TO 16.1m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp pocket penetrometer (kPa)	V Shear Vane (kPa)

CHECKED:
Initials: GB
Date: 28·6

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 15.9 AHD

BORE No. 101
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – loose, brown silty sand filling, humid with some vegetation	A	0.2		1
0.3	FILLING – loose, light brown and brown silty sand filling with crushed sandstone fragments (<30mm)				
0.4	TEST BORE DISCONTINUED AT 0.4 METRES – due to refusal				
1					
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load, strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 22.9 AHD

BORE No. 102
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – loose, brown silty sand, damp, with some vegetation				
	– pieces of broken brick from 0.25m	A	0.25		2
	– fragments of shale (40mm) from 0.3m				
0.43	FILLING – loose, grey and light grey, medium grained sand filling, damp with crushed bricks	A	0.5		1
1		A	1.0		
	– crushed sandstone (up to 60mm) from 1.1m				
1.15	SAND – loose, orange brown and dark brown sand, damp				
1.4	TEST BORE DISCONTINUED AT 1.4 METRES – target depth reached	A	1.4		1
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 21.1 AHD

BORE No. 103
SHEET 1 OF 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – loose, dark brown silty sand filling, humid to damp with some vegetation	A	0.3		1
	– 0.5m to 0.6m – glass and crushed sandstone				
	– brown sand from 0.8m				
1					
1.25	SAND – loose, light brown mottled orange brown sand, damp	A	1.3		3
1.6	TEST BORE DISCONTINUED AT 1.6 METRES – target depth reached	A	1.6		2
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 20.3 AHD

BORE No. 104
SHEET 1 OF 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – loose, dark brown silty sand filling with rootlets				
	– brown from 0.35m	A	0.35		4
	– crushed sandstone 0.5m to 0.9m				
1 1.0	SAND – loose, orange brown and brown sand, damp				
1.4	TEST BORE DISCONTINUED AT 1.4 METRES – target depth reached	A	1.4		2
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KmL
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 20.3 AHD

BORE No. 105
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – dark brown silty sand filling with rootlets				
	– becoming brown with crushed brick (<50mm) at 0.4m	A	0.4		1
	– crushed sandstone from 0.8m				
1		A	1.0		2
1.4	SAND – loose, orange brown and brown, medium grained sand				
1.5	TEST BORE DISCONTINUED AT 1.5 METRES – target depth reached	A*	1.5		1
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS: *DENOTES DUPLICATE SAMPLE M1 TAKEN

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 19.4 AHD

BORE No. 106
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – loose, dark brown silty sand filling with rootlets				
	– brown from 0.5m	A	0.45		3
0.6	FILLING – loose, medium grained grey and brown sand with some black ash material				
	– broken ceramic at 0.65m	A	0.7		1
1	– light brown grey from 1.0m				
1.2	SAND – loose, light grey, medium grained sand, humid				
1.3	SAND – light brown, medium grained sand, humid	A	1.4		2
1.5	SAND – orange brown and brown, medium grained sand				
1.7	TEST BORE DISCONTINUED AT 1.7 METRES – target depth reached	A	1.7		3
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KmL
Date: 15-6-00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 18.4 AHD

BORE No. 107
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – dark brown silty sand filling with organic material	A	0.3		2
	– brown from 0.35m with crushed sandstone				
0.4	FILLING – brown sand filling with roots				
0.85	TEST BORE DISCONTINUED AT 0.85 METRES – auger refusal on roots	A	0.85		1
1					
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 24 MAY 00
PROJECT No.: 28538A
SURFACE LEVEL: 27.1 AHD

BORE No. 108
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – dark brown silty sand filling with organics, rootlets and crushed bricks	A*	0.25		2
0.3	TEST BORE DISCONTINUED AT 0.3 METRES – auger refusal on filling				
1					
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE

TYPE OF BORING: 100mm DIAMETER AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS: *DENOTES DUPLICATE SAMPLE M2 TAKEN
REDRILLED AT 2 LOCATIONS CLOSE BY, REFUSAL AT 0.25m AND 0.3m

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KML
Date: 15.6.00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 2 JUNE 00
PROJECT No.: 28538A
SURFACE LEVEL: 16.5m AHD

BORE No. 109
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – brown sand filling with vegetation				
0.3	TEST BORE DISCONTINUED AT 0.3 METRES – refusal on roots	A	0.3		2
1					
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_s (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KmL
Date: 15-6-00

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TEST BORE REPORT

CLIENT: PRESBYTERIAN AGED CARE
PROJECT: CONTAMINATION/GEOTECHNICAL ASSESSMENT
LOCATION: SCOTTISH HOSPITAL, PADDINGTON

DATE: 2 JUNE 00
PROJECT No.: 28538A
SURFACE LEVEL: 18.5 AHD

BORE No. 110
SHEET 1 OF 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Results	Headspace PID (ppm)
0	FILLING – brown silty sand filling with vegetation – sandstone fragments (up to 30mm) from 0.15m	A	0.25		1
0.6	SAND – orange brown and brown, medium grained sand				
0.7	TEST BORE DISCONTINUED AT 0.7 METRES – target depth reached	A	0.7		3
1					
2					

RIG: HAND TOOLS **DRILLER:** LYNG **LOGGED:** LYNG **CASING:** NONE
TYPE OF BORING: 100mm DIAMETER HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample	PL point load strength I_S (50)MPa
B bulk sample	S standard penetration test
C core drilling	Ux x mm dia. tube
pp Pocket Penetration (kPa)	V shear vane (kPa)

CHECKED:
Initials: KmL
Date: 5·6·00

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Appendix D

Results of DP's Geotechnical Investigation for the Scottish Hospital, Paddington dated September 1999 (Ref: DP Project 28538)

TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 19.5

BORE No. 1 → 201.
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark brown sand, slightly silty filling with some vegetation (topsoil)				
0.2	FILLING – very loose to loose, brown to light brown sand filling with trace amounts of ash and rootlets	A	0.5		
1.2	TEST BORE DISCONTINUED AT 1.2 METRES	A	1.2		
1					
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29-9-99

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 19.5

BORE No. ~~2~~ 202
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING - very loose to loose, dark brown sand, slightly silty filling with some vegetation (topsoil)				
0.2	FILLING - very loose to loose, brown to light brown sand filling with some rootlets and trace amounts of ash	A	0.5		
1		A	1.0		
1.2	TEST BORE DISCONTINUED AT 1.2 METRES				
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29-9

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 21.5

BORE No. ~~3~~ 203.
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark brown silty sand filling with some vegetation (topsoil)				
0.45	FILLING – very loose to loose, dark brown sand filling with some rootlets and trace amounts of ash	A	0.5		
0.8	TEST BORE DISCONTINUED AT 0.8 METRES – refusal on tree root				
1					
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29.9.

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 20.8

BORE No. 204.
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – loose, brown silty sand filling with some vegetation, gravel and crushed sandstone cobbles				
0.2	FILLING – very loose to loose, brown to light brown silty sand filling with trace amounts of ash and rootlets	A	0.5		
0.8	FILLING – loose, light grey silty sand filling with some rootlets and trace amounts of ash				
1 1.0	FILLING – loose, brown and black silty clayey sand filling with trace amounts of ash and rootlets	A	1.0		
1.1	SAND – loose to medium dense, light grey sand with some rootlets				
1.3	SAND – loose to medium dense, yellow brown sand and some rootlets becoming darker with depth	A	1.5		
2		A	2.0		
2.1	TEST BORE DISCONTINUED AT 2.1 METRES				

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GD
Date: 29.9

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 23.0

BORE No. ~~5~~ 205
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark brown silty slightly clayey sand filling with some brick fragments				
0.4	FILLING – very loose to loose, brown silty sand filling with some ironstone gravel and ash	A	0.5		
0.7	FILLING – very loose to loose, light and dark grey sand filling with some rootlets and trace amounts of ash	A	0.9		
1 1.0		A	1.0		
1.1	FILLING – very loose to loose, dark brown clayey sand filling with some ironstone gravel, rootlets and trace amounts of ash				
	FILLING – very loose to loose, light and dark grey sand filling with some rootlets and trace amounts of ash	A	1.5		
1.7	SAND – loose to medium dense, yellow brown mottled dark brown sand with some weakly cemented sand				
2 2.0	TEST BORE DISCONTINUED AT 2.0 METRES	A	2.0		

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29-9

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 24.5

BORE No. 206.
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING - very loose to loose, dark brown silty sand filling with some crushed sandstone cobbles				
0.4	TEST BORE DISCONTINUED AT 0.4 METRES - refusal on tree root				
1					
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29.9.

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
DATE: 28 SEPTEMBER 99
BORE No. BA 206A
PROJECT: SCOTTISH HOSPITAL
PROJECT No.: 28538
SHEET 1 **OF** 1
LOCATION: STEPHEN STREET, PADDINGTON
SURFACE LEVEL: APPROXIMATE RL 24.8

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark brown silty sand filling with some gravel				
0.3	TEST BORE DISCONTINUED AT 0.3 METRES – refusal on tree root				
1					
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29-9

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
DATE: 28 SEPTEMBER 99
BORE No. ~~BB~~ 206B
PROJECT: SCOTTISH HOSPITAL
PROJECT No.: 28538
SHEET 1 **OF** 1
LOCATION: STEPHEN STREET, PADDINGTON
SURFACE LEVEL: APPROXIMATE RL 25.0

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark brown silty sand filling with some gravel				
0.4	TEST BORE DISCONTINUED AT 0.4 METRES – refusal on tree root				
1					
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: BB
Date: 29-9

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TEST BORE REPORT

CLIENT: NOEL BELL, RIDLEY SMITH & PARTNERS PTY LTD
PROJECT: SCOTTISH HOSPITAL
LOCATION: STEPHEN STREET, PADDINGTON

DATE: 28 SEPTEMBER 99
PROJECT No.: 28538
SURFACE LEVEL: APPROXIMATE RL 20.8

BORE No. 207.
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – very loose to loose, dark to light brown, sandy silt filling with some vegetation, rootlets and ash	A	0.5		
	– fragment of basalt at 0.7m				
1		A	1.0		
1.3	SAND – loose to medium dense, yellow brown sand with some rootlets	A	1.5		
1.7	TEST BORE DISCONTINUED AT 1.7 METRES				
2					

RIG: HAND TOOLS **DRILLER:** BOYD **LOGGED:** BOYD **CASING:** NONE
TYPE OF BORING: HAND AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: GB
Date: 29.9.

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RESULTS OF DYNAMIC PENETROMETER TESTS

CLIENT	Noel Bell, Ridley Smith & Partners	DATE	29/09/99
PROJECT	Scottish Hospital	PROJECT NO	28538
LOCATION	Stephen Street, Paddington	PAGE NO	1 of 1

TEST LOCATIONS	201	202	204	205	207					
RL OF TEST	19.5	19.5	20.8	23.0	20.8					
DEPTH m	PENETRATION RESISTANCE BLOWS/150mm									
0.00 - 0.15	1	1	2	4	1					
0.15 - 0.30	1	1	1	1	2					
0.30 - 0.45	1	1	2	1	2					
0.45 - 0.60	1	2	2	1	2					
0.60 - 0.75	1	1	2	1	3					
0.75 - 0.90	1	2	2	1	1					
0.90 - 1.05	1	1	2	2	2					
1.05 - 1.20	1	1	2	1	2					
1.20 - 1.35	1	1	3	-	-					
1.35 - 1.50	2	2	3	2	3					
1.50 - 1.65	3	3	4	2	3					
1.65 - 1.80	4	4	4	2	4					
1.80 - 1.95	4	5	4	5	4					
1.95 - 2.10	5	4	5	6	5					
2.10 - 2.25	6	5	5	6	4					
2.25 - 2.40	6	7	6	8	6					
2.40 - 2.55										
2.55 - 2.70										
2.70 - 2.85										
2.85 - 3.00										

TEST METHOD AS 1289.6.3.2, CONE PENETROMETER O
AS 1289.6.3.3, FLAT END PENETROMETER ✓

TESTED BY: GRB
CHECKED BY:

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Appendix E

Results of DP's Geotechnical Investigation for the Scottish Hospital, Paddington dated June 1990 (Ref: DP Project 13895)

TEST BORE REPORT

301.

CLIENT LEIGHTON IRWIN PTY LTD
PROJECT SCOTTISH HOSPITAL - REDEVELOPMENT STAGE 1
LOCATION 2 COOPER STREET, PADDINGTON

DATE 27.6.90
PROJECT No. SSI/13895
SURFACE LEVEL 30.5
DIP OF HOLE 90°

BORE No. 1
SHEET 1 OF 1
AZIMUTH -

Depth m	Description of Strata	Graphic Log	RL	Discontinuities (B-Bedding J-Joint S-Shear D-Drill Break)	Rock Strength	Fract'g.	Sampling & In Situ Testing: Sample Type	Core Rec.	RQD %	Test Results & Comments
0.10	CONCRETE				Soil					
	FILLING - sand and rubble									
1										
1.45	SAND - loose grey brown medium grained sand with some gravel (filling?)						S			3,4,4 N=8
2										
3										
3.15	SAND - loose yellow brown medium grained sand			*Some of the core is broken into 25mm to 130mm lengths mainly from drilling			S			2,2,4 N=6
4										
4.50	SANDSTONE - extremely weak light yellow brown sandstone				Ex.Weak		S			4,6,19 N=25
5										
5.15	SANDSTONE - medium strong unbroken light yellow brown red brown and grey sandstone with minor weak and extremely weak layers			J 22° J 15°	V.Weak Weak M.Strong Strong					Is(50a)=0.60MPa Is(50a)=0.76MPa
6								100	100	
7				J 7°						
8										Is(50a)=1.05MPa
8.10	BORE DISCONTINUED AT 8.10 METRES									
9										

RIG Jacro DRILLER Chittleburgh LOGGED Stuart CASING S.L. - 5.50m

TYPE OF BORING Solid flight auger to 5.10m, NMLC core drilling thereafter

WATER OBSERVATIONS No free ground water observed

REMARKS

SAMPLING & IN SITU TESTING

A auger sample
C core drilling
DP dry plug
PL point load strength $I_s(50)$ (MPa)
PP pocket penetrometer test
S standard penetration test
Ux x mm dia. tube
Vxy xy mm vane shear test
W water pressure test

D.J. Douglas & Partners

TEST BORE REPORT

BORE No. 27302.

CLIENT LEIGHTON IRWIN PTY LTD
SITE SCOTTISH HOSPITAL - REDEVELOPMENT STAGE 1
LOCATION 2 COOPER STREET, PADDINGTON

DATE 8.6.90
CONTRACT No. SSI/13895
SURFACE LEVEL 27.4

Description of Strata	Depth metres	Sampling and In-situ Testing			
		Type	Depth	'N' value	Core recovery %
CONCRETE SLAB	S.L. 0.15				
SAND - light yellow brown fine to medium grained sand		A	0.50		
		A	1.00		
SAND - yellow brown fine to medium grained sand	1.30	A	1.50		
	1.80	A	2.00		
SAND - light yellow brown fine sand		A	2.50		
BORE DISCONTINUED AT 3.00 METRES	3.00	A	3.00		

RIG Hand auger DRILLER M Beddows CASING

TYPE OF BORING 75 mm diameter

WATER LEVEL OBSERVATIONS No free ground water observed

REMARKS

TYPE

A — auger sample
S — standard penetration test sample
U — mm diameter undisturbed sample
C — continuous diamond core
V — field vane shear test

"N" VALUE

blows of a 63.5 kg hammer falling 760 mm to drive a standard 50 mm O.D. split penetrometer for the last 300 mm of test (where thin walled undisturbed sample tubes are driven in the same manner, the values are shown bracketed).

D.J.Douglas & Partners

TEST BORE REPORT

BORE No. ~~3~~ 303

CLIENT LEIGHTON IRWIN PTY LTD

DATE 8.6.90

SITE SCOTTISH HOSPITAL – REDEVELOPMENT STAGE 1

CONTRACT No. SSI/13895

LOCATION 2 COOPER STREET, PADDINGTON

SURFACE LEVEL 27.4

Description of Strata	Depth metres	Sampling and in-situ Testing			
		Type	Depth	'N' value	Core recovery %
	S.L.				
SILTY SAND – dark brown silty sand (filling?)	0.20	A	0.50		
SAND – grey and brown sand with some sandstone fragments		A	1.00		
SAND – dark grey silty sand	1.10				
SAND – grey and light grey fine grained sand	1.25	A	1.50		
		A	2.00		
	2.10				
SAND – brown fine to medium grained sand		A	2.50		
BORE DISCONTINUED AT 3.00 METRES	3.00	A	3.00		

RIG Hand auger DRILLER M Beddows CASING

TYPE OF BORING 75 mm diameter

WATER LEVEL OBSERVATIONS No free ground water observed

REMARKS

TYPE

A — auger sample
S — standard penetration test sample
U — mm diameter undisturbed sample
C — continuous diamond core
V — field vane shear test

"N" VALUE

blows of a 63.5 kg hammer falling 760 mm to drive a standard 50 mm O.D. split penetrometer for the last 300 mm of test (where thin walled undisturbed sample tubes are driven in the same manner, the values are shown bracketed).

D.J.Douglas & Partners

TEST BORE REPORT

BORE No. SS 304

CLIENT LEIGHTON IRWIN PTY LTD

SITE SCOTTISH HOSPITAL – REDEVELOPMENT STAGE 1

LOCATION 2 COOPER STREET, PADDINGTON

DATE 8.6.90

CONTRACT No. SSI/13895

SURFACE LEVEL Approx 25.0

Description of Strata	Depth metres	Sampling and in-situ Testing			
		Type	Depth	'N' value	Core recovery
	S.L.				%
FILLING – dark grey brown sand with some rock fragments, traces of plastic		A	0.50		
		A	1.00		
SAND – olive brown fine to medium grained sand	1.10				
		A	1.50		
SAND – light olive brown fine to medium grained sand	1.80	A	2.00		
BORE DISCONTINUED AT 2.10 METRES	2.10				
Refusal on probably sandstone cobbles					

RIG Hand auger DRILLER M Beddows CASING

TYPE OF BORING 75 mm diameter

WATER LEVEL OBSERVATIONS No free ground water observed

REMARKS

TYPE

A — auger sample
S — standard penetration test sample
U — mm diameter undisturbed sample
C — continuous diamond core
V — field vane shear test

"N" VALUE

blows of a 63.5 kg hammer falling 760 mm to drive a standard 50 mm O.D. split penetrometer for the last 300 mm of test (where thin walled undisturbed sample tubes are driven in the same manner, the values are shown bracketed).

D.J.Douglas & Partners

RESULTS OF DYNAMIC PENETROMETER TESTS

CLIENT LEIGHTON IRWIN PTY LTD DATE 8.6.90

PROJECT SCOTTISH HOSPITAL – REDEVELOPMENT – STAGE 1 PROJECT NO SSI/13895

LOCATION 2 COOPER STREET, PADDINGTON

TEST LOCATION / DEPTH m	PENETRATION RESISTANCE BLOWS/150mm													
	302	303	304	305										
0.00 — 0.15	–	1		1										
0.15 — 0.30	1	1	1											
0.30 — 0.45	2	2	1	1										
0.45 — 0.60	3	2	2	1										
0.60 — 0.75	2	2	1	3										
0.75 — 0.90	3	2	2	1										
0.90 — 1.05	3	2	4	1										
1.05 — 1.20	4	2	4	8										
1.20 — 1.35	5	1	8	2										
1.35 — 1.50	6	1	3	1										
1.50 — 1.65	5	2	4	1										
1.65 — 1.80	6	1	2	6										
1.80 — 1.95	8	1	3	6										
1.95 — 2.10	10	3	REF.	6										
2.10 — 2.25	9	4		8										
2.25 — 2.40	11	4		8										
2.40 — 2.55														
2.55 — 2.70														
2.70 — 2.85														
2.85 — 3.00														

TEST METHOD AS 1289. F3.2, CONE PENETROMETER ☒ TESTED M.B

AS 1289. F3.3, FLAT END PENETROMETER ☐ CHECKED K.C

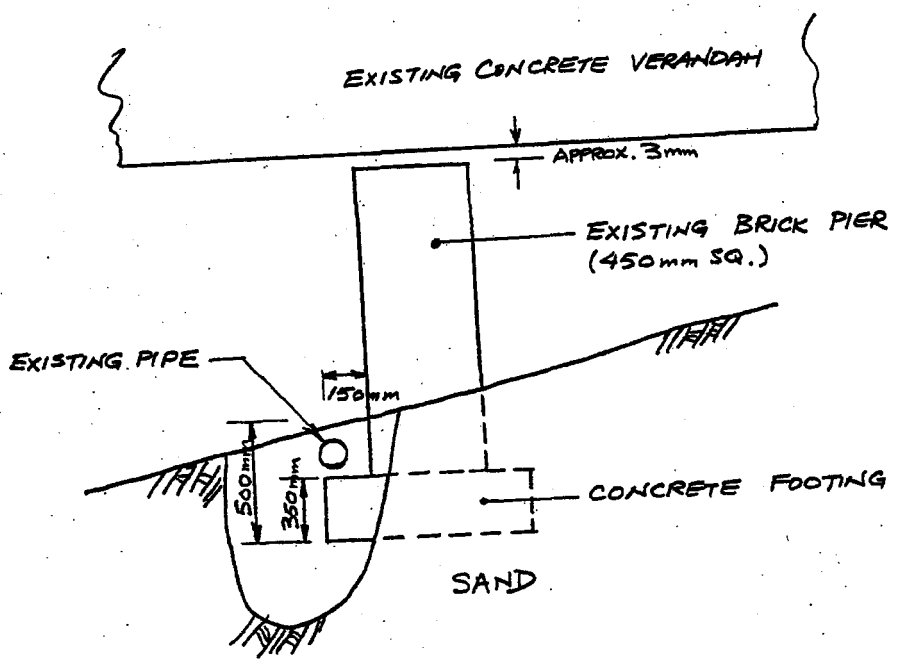
LABORATORY LOCATION Sydney REPORT NO 13895 SIGNED

D. J. Douglas

This laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration.

GROUND TEST PTY LIMITED

A subsidiary of D.J. Douglas & Partners Pty Ltd



THE SCOTTISH HOSPITAL - REDEVELOPMENT STAGE 1
PADDINGTON
Sectional view of test pit 6

SCALE: N.T.S	SSI/13895 DRAWING No.: 4	D.J. Douglas & Partners

Appendix F

Results of Dames and Moore's (DM) Geotechnical Investigation for the Scottish Hospital, Paddington dated 1974

PROJECT: SCOTTISH HOSPITAL — HOLE No.

FEATURE:

LOCATION: PADDINGTON N.S.W. — ANGLE FROM HORIZONTAL

CO-ORDINATES E N R.L 17.75 m.* — DIRECTION Ver

ROCK TYPE	WEATHERING **	DESCRIPTION OF ROCK MATERIAL	METRES DEPTH FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE	CONDITION OF CORE	WATER LEVEL	WATER
Miscellaneous Fill		Gravel, Clay, Bricks, Sand etc. (Augered)									
Weathered Sandstone	HW. MW	Fine to medium grained quartz in clay/silt matrix.	1		23	Fractures along bedding planes (Horizontal to near horizontal)					
	HW	Orange to light brown, highly to moderately weathered.	2		86						
	SW	Grading to light grey, slightly weathered to fresh.	3								
Fresh Sandstone	SW to FR		4		100						
		END OF BORING.			100						
			5								
			6								
			7								
			8								
			9								
			10								
			11								
			12								

* DATUM: STANDARD.

** Key to weathering —

CW	Completely weathered
EW	Extremely "
HW	Highly "
MW	Moderately "
SW	Slightly "
FR	Fresh

DAVIES & PRICE

PLATE 5.

PROJECT: SCOTTISH HOSPITAL

FEATURE:

LOCATION: PADDINGTON N.S.W.

HOLE No. 4

ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N R.L. 16·68 m. DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	METRES / DEPTH / FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE (1, 3, 9, 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (25, 50, 75)
Sand		Fine to medium, white, yellow, red-brown.	1, 2								
Weathered Sandstone	EW to MW	Fine to medium grained quartz in clay/silt matrix. orange & grey. Extremely to moderately weathered	3		9	Fractures along bedding planes. (Horizontal to near horizontal)					
	HW to MW		4		68						
Fresh Sandstone.	FR	Grading to fresh; Brown, orange, mauve.			95						
		END OF BORING	5, 6, 7, 8, 9, 10, 11, 12								

DAMES & MOORE

PLATE 6.

PROJECT: SCOTTISH HOSPITAL — HOLE No.

FEATURE:

LOCATION: PADDINGTON N.S.W. — ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N R.L. 15·81 m. — DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	DEPTH METRES / FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE (- 3 9 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (23 50 75)
Topsoil		Sand, roots									
Miscellaneous Fill		Bricks, concrete, gravel, clay, boulders, etc.	1 2 3 4 5		10	Evidence of voids to 10 centimetres diameter					
—?——?—			6 7		23						
Clayey Sand (Decomposed sandstone)	CW to HW	Completely weathered sandstone — fine sand in clay matrix orange & grey.	8								
Weathered Sandstone		Fine to medium grained quartz in clay/silt matrix; orange & grey Slighty weathered to fresh.	9			Fractures along bedding planes (Horizontal to near horizontal).					
Fresh Sandstone	SW to FR		10 11		95						
		END OF BORING	12								

DAMCO & BOON

PLATE 7.

PROJECT: SCOTTISH HOSPITAL — HOLE No. 4

FEATURE:

LOCATION: PADDINGTON N.S.W. — ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N R.L. 19.51 m — DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	DEPTH METRES / FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE (1, 3, 9, 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (25, 50, 75)
Sand		Fine to medium, light brown with red-brown mottling (Hand augered)	1–6								
Weathered Sandstone	CW to EW	Fine to medium sand in clay/silt matrix; red to yellow-orange. Extremely weathered.	7–9		60, 60						
		END OF BORING.	10–12								

DAVIES & NOORK

PLATE 8.

PROJECT: SCOTTISH HOSPITAL — HOLE No.

FEATURE:

LOCATION: PADDINGTON N.S.W. — ANGLE FROM HORIZONTAL 90

CO-ORDINATES E N R.L. 17·46m — DIRECTION Vertic

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	DEPTH METRES / FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R. Q. D.	FRACTURES PER METRE (3, 9, 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN (25, 50)
Sand		Fine to medium, light brown. (Hand augered)	1–7								
Weathered Sandstone	EW to MW	Fine to medium quartz in clay/silt matrix; Extremely to moderately weathered. Red, orange & grey	8		75						
		Weathering decreasing	9								
Fresh Sandstone	SW to FR	Grading fresh, light grey	10		96	Fractures along bedding planes. (Horizontal to near horizontal).					
					82						
		END OF BORING	11–12								

DAMES & MOORE

PLATE 9.

406

ECT: SCOTTISH HOSPITAL

URE:

ION: PADDINGTON N.S.W.

ANGLE FROM HORIZONTAL 90°

R.L. 15.00 m. DIRECTION Vertical

ORDINATES E N

ROCK TYPE	WEATHERING	DESCRIPTION OF STRATA	DEPTH (m)	% CORE RECOVERY	DESCRIPTION OF CORE	S.D.	FRACTURES PER METRE	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT
Miscellaneous Fill		Bricks, boulders, sand, clay, etc. with voids. (Augered)	1 2 3 4 5 6 7 8							
Weathered Sandstone	CW to EW	Fine to medium quartz in clay/silt matrix; completely to extremely weathered; red, brown.	9 10	61						
Slightly Weathered Sandstone	SW		11 12	100						

Boring 6 continued on next sheet.

EMMO & MOORE

PLATE 10.

4126

PROJECT : SCOTTISH HOSPITAL — HOLE No. 5 cont.

FEATURE :

LOCATION : PADDINGTON N.S.W. — ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N — R.L. COLLAR 15·00 m. — DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	METRES DEPTH FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R. Q. D.	FRACTURES PER METRE (1, 3, 9, 37)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (25, 50, 75)
Slightly Weathered Sandstone	SW	Grading slightly weathered. Pale grey, brown.	-12 -13 -14		100						
		END OF BORING	-15 -16 -17 -18 -19 -20 -21 -22 -23								

DAVIES & NICOLL

PLATE 11.

PROJECT: SCOTTISH HOSPITAL

FEATURE:

LOCATION: PADDINGTON N.S.W.

HOLE No. 1

ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N R.L. 17·01 m.

DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	METRES DEPTH FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE (3, 9, 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (25, 50, 75)
ind opsoil)		Fine to medium, dark grey, some roots	1								
athered ndstone	SW / FR	Fine to medium quartz in clay/silt matrix; slightly weathered to fresh light orange grading to grey.	2		100 / 0 / 100	Fractures along bedding planes (Horizontal to near horizontal).					
		END OF BORING.	3 4 5 6 7 8 9 10 11 12								

BAKER & MOORE

PLATE 12.

408

PROJECT: SCOTTISH HOSPITAL

FEATURE:

HOLE No.

LOCATION: PADDINGTON N.S.W.

ANGLE FROM HORIZONTAL 90°

CO-ORDINATES E N R.L. 16·00m DIRECTION Vertical

ROCK TYPE	WEATHERING	DESCRIPTION OF ROCK MATERIAL	METRES / DEPTH FEET	GRAPHIC LOG	LIFT & CORE RECOVERY %	DESCRIPTION OF ROCK DEFECTS	R.Q.D.	FRACTURES PER METRE (3 9 27)	CONDITION OF CORE	WATER LEVEL	WATER RETURN PERCENT (25 5 75)
Miscellaneous Fill		Bricks, boulders, clay, sand, etc. with voids. (Augered)	1 2 3 4								
—?— Clayey Sand (Decomposed sandstone)	CW to EW	—?— —?— Fine to medium quartz in clay/silt matrix. Completely to extremely weathered	5 6								
Slightly Weathered	SW	Grading slightly weathered, pale grey-brown	7		97	Fractures along bedding plane (Horizontal to near horizontal).					
		END OF BORING	8 9 10 11 12								

DAMES & MOORE

PLATE 13.

Appendix G

Results of DM's Geotechnical Investigation for the Scottish Hospital, Paddington dated 1984

FACILITY: SCOTTISH HOSPITAL	BOREHOLE: 8	SHEET 1 of 1

Borehole inclination: 90° (from horizontal) Borehole direction: — Surface elevation: 21·7 m Borehole location: See Figure 1

Date drilled: 20 JUNE. 1984 Drill type: JACRO - BUGGY MOUNTED

Drilling method: AUGER-TC BIT & NMLC CORING

SOIL DESCRIPTION	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	GEOTECHNICAL PROFILE /STRENGTH	SAMPLES / TESTS
SAND: Grey, medium grained, fairly well sorted, some silt. possible thin veneer of sand fill at top	0		SP	DUNE SAND / LOOSE	
grading to cleaner brown-yellow	1·0				
	2·0			MEDIUM DENSE	SPT at 1·80m 3, 6, 7 n = 13
	3·0				
	4·0				
	5·0				SPT at 5·30m 5, 10, 13 n = 23
	6·0				
SANDSTONE: Light orange-brown, moderately to highly weathered, medium to high strength, medium grained, fairly well sorted, laminated bedding at 0°-5°. a few drill induced bedding partings.	7·0				100 % RECOVERY NMLC CORING FROM 6·40m TO 7·97m
BOREHOLE TERMINATED AT 7·97 m	8·0				
	9·0				

SCOTTISH HOSPITAL - PADDINGTON	ENGINEERING LOG BOREHOLE
Geotechnical Consultant: Dames & Moore	8061 - 002 - 70

FACILITY: SCOTTISH HOSPITAL	BOREHOLE: 10	SHEET 1 of 1

Borehole inclination: 90° (from horizontal) Borehole direction: — Surface elevation: 26·7m Borehole location: See Figure 1

Date drilled: 19 JUNE 1984 Drill type: JACRO - BUGGY MOUNTED

Drilling method: AUGER - TC BIT

SOIL DESCRIPTION	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	GEOTECHNICAL PROFILE / STRENGTH	SAMPLES / TESTS
SAND: Dark brown to orange-brown, medium			SP	TOP SOIL	
GRAVELLY SAND: Dark red-brown to orange-brown, medium, pebbles to 40mm - mostly subrounded to subangular sandstone but also coal and concrete; contains roots, trace of clay in parts, damp.	1·0	—	SW	FILL / LOOSE	SPT at 1·3 m 1, 2, 2 n = 4
SAND: Orange-brown, medium grained, fairly well sorted, damp.	2·0		SP	DUNE SAND / LOOSE.	
	3·0			MEDIUM-DENSE	SPT at 2·80 m 2, 5, 6. n = 11
grading clean and yellow/cream in colour	4·0				SPT at 4·30 m 4, 7, 8 n = 15
	5·0				
	6·0				
	7·0				SPT at 7·30 m 7, 12, 16 n = 28
	8·0			MEDIUM DENSE TO DENSE	
Very thin weathered zone above sandstone. approx 0·15m thick. Sand as above, mottled orange and cream, trace of clay	9·0				
BOREHOLE TERMINATED AT 9·40m					TC BIT REFUSAL

SCOTTISH HOSPITAL - PADDINGTON	ENGINEERING LOG BOREHOLE
Geotechnical Consultant: Dames & Moore	8061 - 002 - 70

FACILITY: SCOTTISH HOSPITAL	BOREHOLE: 4	SHEET 1 of 1

Borehole inclination: 90° (from horizontal) Borehole direction: — Surface elevation: 19.2 m Borehole location: See Figure 1

Date drilled: 21 JUNE, 1984 Drill type: JACRO - BUGGY MOUNTED

Drilling method: AUGER - TC BIT

SOIL DESCRIPTION	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	GEOTECHNICAL PROFILE / STRENGTH	SAMPLES / TESTS
SANDY SILT : Dark grey brown, pebbles of concrete and sandstone, roots and organics mixed with fill material				TOPSOIL & FILL / LOOSE	
SAND : Orange brown, medium grained, well sorted, fairly clean, damp.	1.0		SP	DUNE SAND / LOOSE	
grading orange yellow with depth and cleaner	2.0				
	3.0				SPT at 2.80 m 3, 4, 5 n = 9
grading moist and has a trace to some clay - as a coating on sand grains giving bright orange colour	4.0				
	5.0				
Saturated sand layer above weathered rock	6.0			LOOSE/MED. DENSE	SPT at 5.80m 2, 3, 7 n = 10
SANDSTONE : Extremely weathered, cream, orange and yellow mottling, clayey sand, medium grained, clay of high plasticity, moist.				EXTREMELY WEAK	
grading to moderately weathered.	7.0				DISTURBED
BOREHOLE TERMINATED AT 7.40 m	8.0				TC BIT REFUSAL
	9.0				

SCOTTISH HOSPITAL - PADDINGTON	ENGINEERING LOG BOREHOLE
Geotechnical Consultant: Dames & Moore	8061 - 002 - 70

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FACILITY: SCOTTISH HOSPITAL	BOREHOLE: 12	SHEET 1 of 1

Borehole inclination: 90° (from horizontal) Borehole direction: – Surface elevation: 26·4m Borehole location: See Figure 1

Date drilled: 20 JUNE, 1984 Drill type: JACRO - BUGGY MOUNTED

Drilling method: AUGER - TC BIT

SOIL DESCRIPTION	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	GEOTECHNICAL PROFILE /STRENGTH	SAMPLES / TESTS
SILTY SAND: Dark brown, medium grained, roots			SW	TOPSOIL	
SAND: Orange brown and grey brown, medium grained fairly well sorted, trace to some gravel - subrounded to subangular, 10mm shale and sandstone, some roots, damp.	1·0		SP	FILL / LOOSE	
SAND: Grey brown and brown, medium grained, fairly well sorted, damp.			SP	DUNE SAND / LOOSE	
	2·0				
	3·0				SPT at 2·80m 2,3,4. n = 7
	4·0				
grading to yellow and cleaner					
	5·0				
	6·0			MEDIUM DENSE	SPT at 5·80m 5,9,10 n = 19
	7·0				
SANDSTONE: moderately weathered					SPT at 8·00m REFUSAL
BOREHOLE TERMINATED AT 8·00m.	8·0				TC BIT REFUSAL
	9·0				

SCOTTISH HOSPITAL - PADDINGTON

ENGINEERING LOG BOREHOLE

Geotechnical Consultant: Dames & Moore

8061 - 002 - 70