

CH2M HILL		SOIL BORE LOG		Bore No. <u>34</u>
CH2M HILL AUSTRALIA Pty Ltd		Sheet 1 of 1		
Project No: <u>110158</u>	Eastings (AMG): <u>317101 842</u>	Equipment: <u>Excavator</u>		
Project: <u>Eveleigh Gasworks</u>	Northing (AMG): <u>1247776 74</u>	Contractor: <u>JFT(PC45R)</u>		
Site: <u>Macdonaldtown Triangle</u>	Elevation (mAHD): <u>20.46</u>	Logged By: <u>Kelly Chan</u>		
Date: <u>19-Apr-00</u>	Water Level (mbtc): <u>N/A</u>	Project Manager: <u>Lee Moore</u>		
Weather: <u>Overcast</u>	Final Depth (mbgl): <u>2.0m</u>	Checked By: _____		

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PiD	No.			
0.1			34-0.0-0.1			
0.2					FILL. Dark brown sand, some gravel ballast, bricks, unconsolidated, moist.	
0.3						
0.4						
0.5			34-0.4-0.5		FILL. Black to grey ash unconsolidated, dry.	
0.6						
0.7						
0.8						
0.9						
1.0						
1.1						
1.2					Red/beige mottled clay with sandstone fragments.	
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0					ECH @ 2.0m on clay	
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes
 mAHD metres Australian Height Datum mbgl metres below ground level mbtc metres below top of casing

CH2M HILL CH2M HILL AUSTRALIA Pty Ltd		SOIL BORE LOG		Bore No. <u>35</u>	
				Sheet 1 of 1	
Project No:	110158	Easting (AMG):	317126.139	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG):	1247798.341	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.22	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbic):	N/A	Project Manager:	Lee Moore
Weather:	Raining	Final Depth (mbgl):	1.7m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1						
0.2			35-0.2		FILL. Sand with some gravel (ballst), wet to moist, loose unconsolidated, dark brown.	
0.3						
0.4						
0.5						
0.6						
0.7						
0.8			35-0.8			
0.9						
1.0						
1.1					Clay mottled red/grey, moderate plasticity, moist.	
1.2						
1.3						
1.4						
1.5						
1.6						
1.7					EOH @ 1.7m on clay	
1.8						
1.9						
2.0						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

NOTE:
 mAHD:metres Australian Height Datum mbgl:metres below ground level mbic:metres below top of casing

CH2M HILL		SOIL BORE LOG		Bore No. <u>36</u>	
CH2M HILL AUSTRALIA PTY LTD				Sheet 1 of 1	
Project No:	110158	Easting (AMG)	317155.250	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG)	1247793.952	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.07	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbic):	N/A	Project Manager:	Lee Moore
Weather:	Raining	Final Depth (mbgl):	1.9m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1			36-0.3	[Hatched Pattern]	FILL. Light brown sand, some gravel ballast, unconsolidated, moist.	Plastic pipe at 0.2m trending northwest to southeast.
0.2						
0.3			36-0.1		FILL. Dark brown to black ash, some tightly packed clay.	
0.4				[Hatched Pattern]		
0.5						
0.6						
0.7						
0.8						
0.9						
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9					Mottled light brown to grey clay, moderate plasticity, lightly compacted, minor sandstone inclusions.	
2.0					EOH @ 1.9m on clay.	
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes
 mAHD metres Australian Height Datum mbgl metres below ground level mbic metres below top of casing

Project No: 110158	Easting (AMG): 317176.655	Equipment: Excavator
Project: Eveleigh Gasworks	Northing (AMG): 1247805.768	Contractor: JFT(FC45R)
Site: Macdonaldtown Triangle	Elevation (mAHD): 20.29	Logged By: Kelly Chan
Date: 19-Apr-00	Water Level (mbtc): N/A	Project Manager: Lee Moore
Weather: Sunny	Final Depth (mbgl): 2.0m	Checked By:

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1					FILL, Dark brown, loose unconsolidated sand/gravel ballast (less than 1cm), some organic matter, moist.	
0.2			37-0.2			
0.3					FILL, Loose unconsolidated dark brown sand/gravel ballast, dry, with some slag and sandstone fragments.	
0.4					FILL, Very compacted sand/gravel layer approximately 0.2 to 0.15 m thick.	
0.5			37-0.5			
0.6						
0.7						
0.8						
0.9					Clay with sandstone inclusions, clay is moist, moderately plastic, mottled red/cream, sandstone fragments (weathered).	
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7					Tight, consolidated clay, mottled grey, rust, minor sandstone fragments, plastic, moist.	
1.8						
1.9						
2.0					EOH at 2.0m on clay	
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes

mAHD: metres Australian Height Datum mbal: metres below ground level mbtc: metres below top of casing

Project No:	110158	Easting (AMG):	317086.499	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG):	1247760.81	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.24	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Lee Moore
Weather:	Overcast	Final Depth (mbgl):	2.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1					FILL. Medium grained sand, dark brown, loose unconsolidated.	
0.2			33-0.2			
0.3						
0.4						
0.5						
0.6						
0.7						
0.8						
0.9						
1.0						
1.1					Clay, moist to wet, mottled grey/orange/red, plastic	
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0			33-2.0		EOH at 2.0m on clay	
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes
 mAHD:metres Australian Height Datum mmbgl:metres below ground level mbtc:metres below top of casing

CH2M HILL CH2M HILL AUSTRALIA Pty Ltd		SOIL BORE LOG		Bore No. <u>39</u>	
				Sheet 1 of 1	
Project No:	110158	Easting (AMG):	317236.293	Equipment:	Push Tube
Project:	Eveleigh Gasworks	Northing (AMG):	1247834.389	Contractor:	Macquarie
Site:	Macdonaldtown Triangle	Elevation (mAHD):	20.77	Logged By:	Maria Mios
Date:	19-Apr-00	Water Level (mbtc):	N/A	Project Manager:	Lee Moore
Weather:	Cloudy	Final Depth (mbgl):	4.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1		1.8	39-0.0-0.1		FILL. Brown, sandy clay, gravel fragments less than 2cm, orange/brown clay, dry, minor shale laminates less than 1cm.	
0.2						
0.3						
0.4						
0.5						
0.6						
0.7						
0.8						
0.9		0	DUP. 39-0.9-1.0		FILL. Grey gravel pieces, dry, large, less than 3cm.	
1.0					FILL. Black coke gravel, light, dry becoming moist at 1m, coke fragments less than 1cm	
1.1		1.1	39-1.1-1.2	FILL. White coarse sand grading into orange coarse building sand, homogeneous		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8		0.8	39-1.7-1.8	Grey red mottled clay, silty, rock frags less than 1cm.		
1.9				Dark grey silty clay, crumbly, dry, rock fragments less than 1cm.		
2.0						
2.1						
2.2						
2.3					Grey/brown plastic clay, homogeneous.	
2.4						
2.5		0.9	39-2.5-2.6			
2.6						
2.7					Grey/brown/red mottled plastic clay, wood pieces less than 1cm long.	
2.8						
2.9						
3.0		1.7	39-3.0-3.1			
3.1						
3.2						
3.3						
3.4					Orange/grey/red mottled clay, dry, compacted, minor wood silvers.	
3.5						
3.6						
3.7						
3.8						
3.9					Red minor grey clay, very hard, shale fragments less than 0.5cm, weathered red shale decompose shale turned to	
4.0					EOH @ 4.0m on clay	

Notes		
mAHD: metres Australian Height Datum	mbgl: metres below ground level	mbtc: metres below top of casing

CH2M HILL CH2M HILL AUSTRALIA Pty Ltd		SOIL BORE LOG		Bore No. <u>40</u>	
				Sheet 1 of 1	
Project No:	110158	Easting (AMG)	317073.035	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG)	1247768.306	Contractor:	JFT(PC45R)
Site:	Macedonaldtown Triangle	Elevation (mAHD):	20.44	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbic):	N/A	Project Manager:	Lee Moore
Weather:	Overcast	Final Depth (mbgl):	2.0m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1			40-0.0-0.1	[Graphic Log Area]		Duplicate sample collected
0.2						
0.3						
0.4						
0.5						
0.6						
0.7						
0.8						
0.9						
1.0						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0					EOH @ 2.0m on clay.	
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes		
mAHD:metres Australian Height Datum	mbic:metres below ground level	mbtc:metres below top of casing

CH2M HILL		SOIL BORE LOG		Bore No. <u>41</u>	
CH2M HILL AUSTRALIA Pty Ltd				Sheet <u>1</u> of <u>1</u>	
Project No:	110158	Easting (AMG)	317073.316	Equipment:	Excavator
Project:	Eveleigh Gasworks	Northing (AMG)	1247737.771	Contractor:	JFT(PC45R)
Site:	Macdonaldtown Triangle	Elevation (mAHD):	19.99	Logged By:	Kelly Chan
Date:	19-Apr-00	Water Level (mbic):	N/A	Project Manager:	Lee Moore
Weather:	Overcast	Final Depth (mbgl):	0.9m	Checked By:	

Depth (m)	Water Found	Sample		Graphic Log	Soil Description (soil type, colour, moisture content, plasticity, grain size, stiffness, etc.)	Observation/Comments (visual contamination, odour, side collapse, etc.)
		PID	No.			
0.1						Duplicate sample collected
0.2			41-0.2		FILL. Dark brown sand with some gravel ballast and brick fragments, minor organics, unconsolidated, moist.	
0.3						
0.4						
0.5						
0.6					FILL. Dark brown medium grained sand with some gravel ballast, some orange/grey/red mottled clay, soils moist, unconsolidated.	Concrete at 0.6m and steps down to 0.9m. Do not know if it extends beyond 0.9m.
0.7						
0.8						
0.9			41-0.9			
1.0					EOH 0.9m refusal on concrete pad	
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2.0						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3.0						
3.1						
3.2						
3.3						
3.4						
3.5						
3.6						
3.7						
3.8						
3.9						
4.0						

Notes		
mAHD metres Australian Height Datum	mbgl metres below ground level	mbic metres below top of casing