

**APPENDIX A**

**ENGINEERING BOREHOLE LOGS, EXPLANATION SHEETS,  
CORE PHOTOGRAPH, POINT LOAD TEST RESULT SHEET AND  
PIEZOMETERS CONSTRUCTION DETAILS**



# Pells Sullivan Meynink Pty Ltd

Engineering Consultants  
Rock-Soil-Water

ABN 15 061 447 621

Borehole No: BH01

Sheet: 1 of 2

Job No: PSM1444

## Borehole Log

<b>Client:</b>	Incoll Management Pty Ltd	<b>Date commenced:</b>	16/06/2010
<b>Principal:</b>		<b>Date completed:</b>	16/06/2010
<b>Project:</b>	Geotechnical Investigation For Macdonaldtown Gasworks Remediation Project	<b>Logged by:</b>	AS
<b>Site location:</b>	Burren St, Erskineville	<b>Checked by:</b>	

<b>Drilling contractor:</b>	SOILCHECK Pty Ltd	<b>R.L. surface:</b>	18.63 m	<b>Vertical datum:</b>	AHD
<b>Equipment type:</b>	JK 300 Drill rig	<b>Easting:</b>	Refer to Figure 1	<b>Horizontal datum:</b>	
		<b>Northing:</b>	1247725.92	<b>Inclination / azimuth:</b>	-90 / 000

Method	Samples	Water	R.L. (m)	Depth (m)	Graphic Log	USCS Symbol	Material SOIL TYPE: plasticity or particle characteristics, colour, secondary and minor components ROCK TYPE: weathering, colour, secondary and minor components	Moisture Condition	Estimated Strength	Structure and Additional Observations
Auger (TC-bit)						SP	Gravelly SAND; coarse grained, dark brown to black, with fine gravel and some clay		D	Grass. Top soil
				18.0			CLAY; medium to high plasticity, brown to black, with some sand and fine gravel	M		Fill
	SPT N=4			17.0					S	SPT rod sinks when hammer placed on top, therefore test starts at 1.65m
				2.0			CLAY; medium to high plasticity, red brown			
	SPT N=14			16.0		CH		W	ST	
				3.0						
				15.0						
				4.0			CLAY; high plasticity, light red mottled grey			Possible residual
	SPT N=19			14.0					VST	

File Name: SOIL LOGS.GPJ Print Date: 18/10/10



Job No: PSM1444

## Borehole Log


<b>Client:</b>	Incoll Management Pty Ltd
<b>Principal:</b>	
<b>Project:</b>	Geotechnical Investigation For Macdonaldtown Gasworks Remediation Project
<b>Site location:</b>	Burren St. Erskineville

Date commenced: 16/06/2010  
Date completed: 16/06/2010  
Logged by: AS  
Checked by:

**Drilling contractor:** SOILCHECK Pty Ltd  
**Equipment type:** JK 300 Drill rig

**R.L. surface:** 18.63 m  
**Easting:** Refer to Figure 1  
**Northing:** 1247725.92

Vertical datum: AHD  
Horizontal datum:  
Inclination / azimuth: -90 / 000

Method	Samples	Water	R.L. (m)	Depth (m)	Graphic Log	USCS Symbol	Material SOIL TYPE; plasticity or particle characteristics, colour, secondary and minor components  ROCK TYPE; weathering, colour, secondary and minor components	Moisture Condition	Estimated Strength	Structure and Additional Observations
Auger (TC-bit)	SPT N=35/200mm			13.0		CH	SHALE; extremely weathered, grey and light red	W	VST	
				6.0					H	
				12.0						
				7.0					R0	
				11.0						
				8.0			End of hole @ 8 m			
				10.0						
				9.0						
				9.0						



# Pells Sullivan Meynink Pty Ltd

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Rock-Soil-Water

ABN 15 061 447 621

Borehole No: BH02

Sheet: 1 of 2

Job No: PSM1444

## Borehole Log

<b>Client:</b>	Incoll Management Pty Ltd	<b>Date commenced:</b>	17/06/2010
<b>Principal:</b>		<b>Date completed:</b>	17/06/2010
<b>Project:</b>	Geotechnical Investigation For Macdonaldtown Gasworks Remediation Project	<b>Logged by:</b>	AS
<b>Site location:</b>	Burren St, Erskineville	<b>Checked by:</b>	

<b>Drilling contractor:</b>	SOILCHECK Pty Ltd	<b>R.L. surface:</b>	18.81 m	<b>Vertical datum:</b>	AHD
<b>Equipment type:</b>	JK 300 Drill rig	<b>Easting:</b>	Refer to Figure 1	<b>Horizontal datum:</b>	
		<b>Northing:</b>	1247727.5	<b>Inclination / azimuth:</b>	-90 / 000

Method	Samples	Water	R.L. (m)	Depth (m)	Graphic Log	USCS Symbol	Material SOIL TYPE: plasticity or particle characteristics, colour, secondary and minor components ROCK TYPE: weathering, colour, secondary and minor components	Moisture Condition	Estimated Strength	Structure and Additional Observations
Auger (TC-bit)							Gravelly SAND; coarse grained, grey, with some fine gravel			Fill Tar contaminated
				18.0		SP			D	
				1.0			CLAY; high plasticity, red brown with some fine grained sand		F	
				17.0			Gravelly SAND; coarse grained, grey, with some fine gravel		L	
				2.0		SP				
	SPT N=5									
				16.0			CLAY; high plasticity, red brown mottled grey	M	ST	Possible residual
				3.0						
	SPT N=19									
				15.0					VST	
				4.0						
				14.0					H	
	SPT N=33									





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ABN 15 061 447 621

Borehole No: BH02

Sheet: 2 of 2

Job No: PSM1444

## Borehole Log

<b>Client:</b>	Incoll Management Pty Ltd	<b>Date commenced:</b>	17/06/2010
<b>Principal:</b>		<b>Date completed:</b>	17/06/2010
<b>Project:</b>	Geotechnical Investigation For Macdonaldtown Gasworks Remediation Project	<b>Logged by:</b>	AS
<b>Site location:</b>	Burren St, Erskineville	<b>Checked by:</b>	

<b>Drilling contractor:</b>	SOILCHECK Pty Ltd	<b>R.L. surface:</b>	18.81 m	<b>Vertical datum:</b>	AHD
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Method	Samples	Water	R.L. (m)	Depth (m)	Graphic Log	USCS Symbol	Material SOIL TYPE: plasticity or particle characteristics, colour, secondary and minor components ROCK TYPE: weathering, colour, secondary and minor components	Moisture Condition	Estimated Strength	Structure and Additional Observations
Auger (TC-bit)			13.0				SHALE; extremely weathered, light red and grey	M	S5/R0	
				6.0			Start coring @ 5.9 m			
				12.0						
				7.0						
				11.0						
				8.0						
				10.0						
				9.0						