

ENVIRONMENTAL VARIATIONS IN DRAW INSULIN (A) (FV01559-MW67S.dwt), 17/05/95 9:28:32 AM

CLIENT: STATE RAIL				Borehole Location: SEE PLAN RAILWAY FENCE		BOREHOLE: MW42D							
PROJECT: MACDONALDTOWN RISK ASSESSMENT				Surface RL: 18.529m Datum: AHD		SHEET 1 of 2							
LOCATION: RAILWAY PARADE, EVELEIGH				Drill Rig: EDSON 3000		Logged by: AF							
JOB N°: EN01669				Inclination: V		Date: 18.02.05							
Easting: 332356.477 Northing: 6247736.309				Direction: N/A		Checked by:							
				Borehole Diameter: 125mm		Date:							
DRILLING DATA			SAMPLING DATA		MATERIAL DATA								
METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS
L				0.0					TOPSOIL: Sandy SILT, with rootlets				Road box installed in concrete NC
				0.5				FILL: Silty Sandy GRAVEL, black	M				
				1m				FILL: SAND, fine to medium grained, brown	M				
				1.5		CI	FILL: Clayey SAND/Sandy CLAY, grey brown	W		Ø50mm PVC blank screen			
				2m									
				2.5		CH	RESIDUAL SOIL: Sandy Silty CLAY, high plasticity, grey and red brown	M					
M				3m									
				3.5									
				4m			RESIDUAL SOIL: Sandy Silty CLAY, high plasticity, grey and red brown, ironstone bands, gravel						
				4.5									
V				5m									
				5.5									
				6m			RESIDUAL SOIL: Sandy Silty CLAY, high plasticity, red brown	M-D			Coarse sand		
				6.5									
				7m									
				7.5			RESIDUAL SOIL: Sandy Silty CLAY, high plasticity, brown	W			Ø50mm PVC slotted screen		
				8m									

Report of borehole must be read in conjunction with accompanying notes and abbreviations

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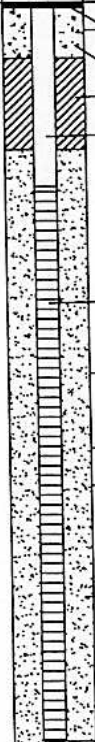
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BOREHOLE REPORT

J:\2009\proj\01569\01569-raw\01569-MW421.dwg, 12/06/05 9:41:11 AM

CLIENT: STATE RAIL				Borehole Location: SEE PLAN RAILWAY FENCE		BOREHOLE: MW42D								
PROJECT: MACDONALDTOWN RISK ASSESSMENT				Surface RL: 18.529m Datum: AHD		SHEET 2 of 2								
LOCATION: RAILWAY PARADE, EVELEIGH				Drill Rig: EDSON 3000			Logged by: AF							
JOB N°: EN01669				Inclination: V			Date: 19.02.05							
Easting: 332356.477 Northing: 6247736.309				Direction: N/A			Checked by:							
				Borehole Diameter: 125mm			Date:							
DRILLING DATA			SAMPLING DATA		MATERIAL DATA									
METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS
ATC	M			8m				CH	RESIDUAL SOIL: Silty CLAY, brown					
	H			8.5m					RESIDUAL SOIL: Silty CLAY, medium plasticity, brown, softer and harder bands					
				9m										
				9.5m										
				10m										
				10.5m										
				11m										
				11.5m										
				12m					END of BOREHOLE at 12.0m, limit of investigation					
				12.5m										
				13m										
				13.5m										
				14m										
				14.5m										
				15m										
				15.5m										
				16m										
Report of borehole must be read in conjunction with accompanying notes and abbreviations														
					Sinclair Knight Merz Pty Ltd 100 Christie Street, St Leonards NSW 2065 Telephone: 9928 2100 Fax: 9928 2500 Web: www.skmconsulting.com					BOREHOLE REPORT				

C:\EN\3\0-0-jet1\01559\Drawings\EN01559-MW37S.dwg, 11/04/05 11:45:28 AM

CLIENT: STATE RAIL				Borehole Location: SEE PLAN				BOREHOLE: MW37S						
PROJECT: MACDONALDTOWN RISK ASSESSMENT				Surface RL: 18.696 Datum: AHD				SHEET 1 of 1						
LOCATION: BURREN STREET, MACDONALDTOWN				Drill Rig: EDSON 3000 Inclination: V Direction: N/A Borehole Diameter: 125mm				Logged by: AK Date: 15.02.05 Checked by: Date:						
JOB N°: EN01669														
Easting: 332303.068 Northing: 6247725.041														
DRILLING DATA			SAMPLING DATA			MATERIAL DATA								
METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS
AUGER TC BIT	L	16.02.05, 08.45	V	0.0					FILL: GRAVEL, medium to coarse gravel	D-M				BALLAST
				0.5				FILL: ASH	D			FILL		
				1m						FILL: Silty CLAY, medium plasticity, orange-brown	M			
				1.5										
				2m				CI-CH	Silty CLAY, medium to high plasticity, red and orange-brown mottled grey	M/W				ALLUVIUM
				2.5										Tar-infused CLAY, soft
				3m										
				3.5										
				4m					END of BOREHOLE at 4.0m, limit of investigation					
				4.5										
				5m										
				5.5										
				6m										
				6.5										
				7m										
				7.5										
				8m										
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CLIENT: STATE RAIL

Borehole Location: SEE PLAN

BOREHOLE: MW37D

PROJECT: MACDONALDTOWN RISK ASSESSMENT

Surface RL: 18.615m
Datum: AHD

SHEET 1 of 2

LOCATION: BURREN STREET, MACDONALDTOWN

Drill Rig: EDSON 3000

Logged by: AK

JOB N°: EN01669

Inclination: V

Date: 16.02.05

Easting: 332300.917

Northing: 6247724.194

Direction: N/A

Borehole Diameter: 125mm

Checked by:
Date:

DRILLING DATA

SAMPLING DATA

MATERIAL DATA

METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS
AUGER TC BIT	M			0.0					FILL: Sandy Silty GRAVEL, medium to coarse grained, grey and brown, low plasticity fines, medium sand, trace of rootlets	D/M				BALLAST
	H			0.5					FILL: cobbles of SLAG and BRICK fragments in a SILT/SAND matrix	D				FILL of industrial slag and building waste
				1m					FILL: Silty CLAY, medium plasticity, grey and brown, with some medium gravel of brick fragments	W				Odourous materials, chemicals
				1.5					FILL: Silty CLAY, medium to high plasticity, brown	M				Loose backfill material
	L/M			2.5				CI-CH	Silty CLAY, medium to high plasticity, red-brown, with some fine to medium ironstone gravel	M				NATURAL ALLUVIUM
				3m										Ø50mm PVC blank screen
				3.5										
				4m										
				4.5										
				5m					Silty CLAY, medium to high plasticity, pink-brown, with some fine to medium ironstone gravel					Bentonite
				5.5										
				6m										
				6.5										Coarse sand
				7m					Silty CLAY, medium to high plasticity, pink-brown, trace fine ironstone gravel					Ø50mm PVC slotted screen
				7.5										
				8m										

Report of borehole must be read in conjunction with accompanying notes and abbreviations

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BOREHOLE REPORT

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 EN01669.dwg, 11/06/2011 11:58:09 AM

CLIENT: STATE RAIL				Borehole Location: SEE PLAN		BOREHOLE: MW37D											
PROJECT: MACDONALDTOWN RISK ASSESSMENT				Surface RL: 18.615m Datum: AHD		SHEET 2 of 2											
LOCATION: BURREN STREET, MACDONALDTOWN				Drill Rig: EDSON 3000 Inclination: V Direction: N/A Borehole Diameter: 125mm		Logged by: AK Date: 16.02.05 Checked by: Date:											
JOB N°: EN01669				Easting: 332300.917 Northing: 6247724.194													
DRILLING DATA		SAMPLING DATA		MATERIAL DATA													
METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONSISTENCY	DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS				
AUGER TC BIT	M/H	V		8m					Silty CLAY, medium to high plasticity, pink-brown, trace fine ironstone gravel								
				8.5													
				9m													
				9.5													
10m																	
10.5																	
11m																	
11.5																	
12m									END of BOREHOLE at 12.0m, limit of investigation								
12.5																	
13m																	
13.5																	
14m																	
14.5																	
15m																	
15.5																	
16m																	

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BOREHOLE REPORT

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CLIENT: STATE RAIL				Borehole Location: SEE PLAN		BOREHOLE: MW39S								
PROJECT: MACDONALDTOWN RISK ASSESSMENT				Surface RL: 15.746 Datum: AHD										
LOCATION: RAILWAY PARADE, MACDONALDTOWN				Drill Rig: EDSON 3000		Logged by: AK Date: 17.02.05 Checked by: Date:								
JOB N°: EN01669				Inclination: V Direction: N/A										
Easting: 332350.743 Northing: 6247622.247				Borehole Diameter: 125mm										
DRILLING DATA			SAMPLING DATA		MATERIAL DATA									
METHOD	PENETRATION RESISTANCE	WATER	RL	DEPTH (M)	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	DENSITY	WELL DETAILS	STRUCTURE AND ADDITIONAL OBSERVATIONS
AUGER TO BIT	L		V	0.0					BITUMEN 40mm thick	D/M				PAVEMENT
				0.5				FILL: Gravelly SAND, fine to medium grained, brown, fine to medium igneous gravel	M		Bentonite			
				1.0				FILL: Gravelly Clayey SAND, fine to medium grained, grey, low plasticity fines, fine to medium igneous gravel	W					
				1.5										
				2.0					CI-CH Silty CLAY, medium to high plasticity, red-brown and orange-brown, trace of fine gravel	M/W				NATURAL ALLUVIUM
				2.5										
				3.0					CI Silty CLAY, medium plasticity, red-brown					
				3.5										
				4.0					END of BOREHOLE at 4.0m, limit of investigation					
				4.5										
				5.0										
				5.5										
				6.0										
				6.5										
				7.0										
				7.5										
				8.0										

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BOREHOLE REPORT