CH2M HILL

SOIL BORE LOG

Bore No. MW13D

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317112.01	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247649.09	Contractor:	Macquarie Drilling
Site:	Former Gasworks Area	Elevation (mAHD):	19.47	Logged By:	VR
Date:	24-Sep-01	Water Level (mbtc):	5.45	Project Manager:	NR
Weather:	Fine, warm	Final Depth (mbgl):	4.60	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
0					Fill: Sandy CLAY, brown, plastic, med firmness, coarse grain.	NVO
1.0						Monument
		MW13D	140150		Fill: Sandy CLAY, grey brown, plastic, friable, dry, coarse grain.	PID = 0.0 ppm (max)
2.0	Groundwater @ 5.45 m below top of monument					
3.0						
4.0						
					CLAY, red, firm, plastic.	PID = 0.0 ppm
5.0						
						Water Sample: MW13D031001 taken 3/10/01 Slug test
6.0						
7.0						
8.0				Weathered Zone 8.1-10	CLAY, grey, firm, high plasticity, moist.	
9.0						
						9.8
10.0					Bedrock, grey, firm, high plasticity, wet.	
11.0						
12.0					End of Hole @ 12.8 m	

Fill
Blank
Bentonite
Sand
Screen

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

CH2M HILL

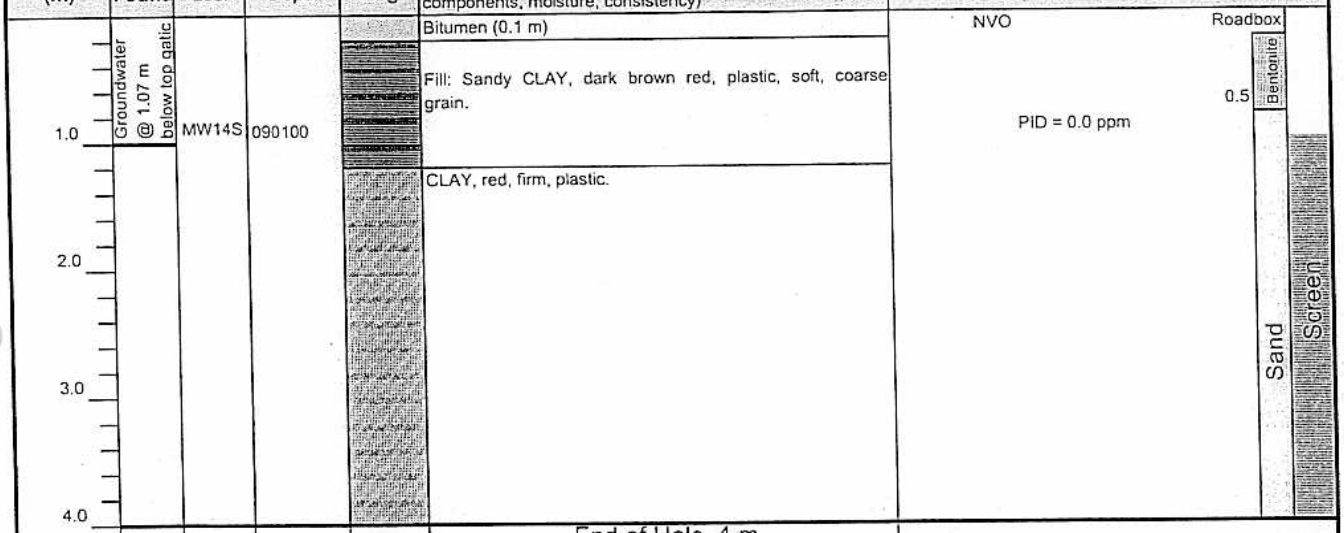
SOIL BORE LOG

Bore No. MW14S

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317065.2	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247636.9	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	16.19	Logged By:	VR
Date:	20-Sep-01	Water Level (mbtc):	1.07	Project Manager:	NR
Weather:	Fine, warm	Final Depth (mbgl):	1.07	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO
1.0	Groundwater @ 1.07 m below top gatic	MW14S	090100		Fill: Sandy CLAY, dark brown red, plastic, soft, coarse grain.	PID = 0.0 ppm
2.0					CLAY, red, firm, plastic.	
3.0						
4.0					End of Hole 4 m	
5.0						Water Sample: MW14S041001 DUP02041001 taken 4/10/01 Slug test
6.0						
7.0						
8.0						
9.0						
10.0						
11.0						
12.0						



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

CH2M HILL

SOIL BORE LOG

Bore No. MW14D

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317065.4	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247635.4	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	16.16	Logged By:	VR
Date:	20-Sep-01	Water Level (mbtc):	0.00	Project Manager:	NR
Weather:	Fine, warm	Final Depth (mbgl):	0.00	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO Roadbox
1.0	Water level at top of gatic cover	MW14D	140150		CLAY, red, plastic, firm, moist.	PID = 818 ppm (max)
2.0						
3.0						
4.0					CLAY, red grey, firm, plastic, dry.	
5.0				Weathered Zone (4.5 - 8 m)	Weathered Shale, dry, friable, clayey.	PID = 277 ppm (max)
					Weathered Shale, very moist, friable, clayey.	Water Sample: MW14D051001 taken 5/10/01
6.0					Weathered Shale, dry, friable, clayey.	
7.0						
8.0					CLAY, wet, runny, grey.	
9.0						
10.0						
11.0						
12.0					End of Hole @ 12 m	

Fill

Blank

Bentonite

Sand

Screen

Notes

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

CH2M HILL

SOIL BORE LOG

Bore No. MW15S

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317060.95	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247679.43	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	17.385	Logged By:	VR
Date:	19-Sep-01	Water Level (mbtc):	0.22	Project Manager:	NR
Weather:	Fine, warm	Final Depth (mbgl):	0.22	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO
1.0	Groundwater @ 0.22 m below top gatic	MW15S	140150		CLAY, red grey, plastic, firm	PID = 0.0 ppm
2.0					CLAY, yellow grey, plastic, firm, drier than above.	
3.0					Silty CLAY, white red, low plasticity, firm, friable, dry.	
4.0					End of Hole 4 m	
5.0						Water Sample: MW15S051001
6.0						taken 5/10/01
7.0						Slug Test
8.0						
9.0						
10.0						
11.0						
12.0						

Roadbox

0.5

Bentonite

Sand

Screen

Notes

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

CH2M HILL

SOIL BORE LOG

Bore No. MW15D

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317060.63	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247681.25	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	17.44	Logged By:	VR
Date:	19-Sep-01	Water Level (mbtc):	0.00	Project Manager:	NR
Weather:	Fine, warm	Final Depth (mbgl):	0.000	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO
1.0	Water level at top of gatic cover	MW15D	140150		CLAY, red grey, plastic, firm	PID = 0.0 ppm DUP01 taken
2.0					CLAY, yellow grey, plastic, firm, drier than above.	
3.0				Weathered Zone 5 - 8 m	Silty CLAY, white red, low plasticity, firm, friable, dry.	PID = 20 ppm (max) PID = 17 ppm (steady)
4.0						
5.0						PID = 35 ppm (max)
6.0						Water Sample:MW15D041001 Taken 4/10/01
7.0					Silty CLAY, red, plastic, pieces of shale (0-1cm), moist.	
8.0					Silty CLAY, red, plastic, pieces of shale (0-1cm), wet.	
9.0						
10.0						
11.0						
12.0					End of Hole @ 12 m	

Roadbox

Fill

Blank

Bentonite

Sand

Screen

Notes

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

CH2M HILL

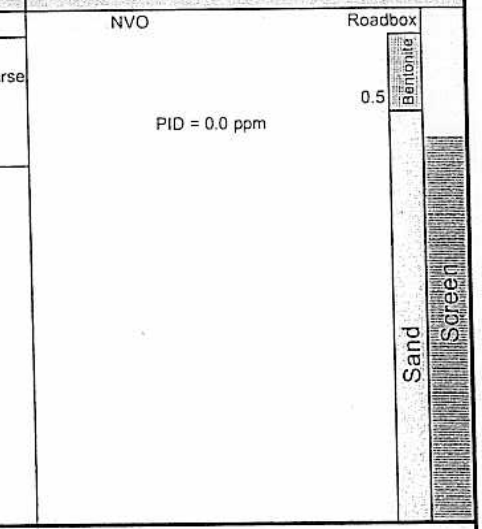
SOIL BORE LOG

Bore No. MW16S

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317063.2	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247655.5	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	16.655	Logged By:	VR
Date:	20-Sep-01	Water Level (mbtc):	0.995	Project Manager:	NR
Weather:	Overcast	Final Depth (mbgl):	0.995	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO
1.0	Groundwater @ 0.995 m top of gatic	MW16S	090100		Fill: Sandy CLAY, dark brown red, plastic, soft, coarse grain.	PID = 0.0 ppm
2.0					CLAY, red, firm, plastic.	
3.0						
4.0					End of Hole 4 m	
5.0						Water Sample: MW16S041001 taken 4/10/01
6.0						
7.0						
8.0						
9.0						
10.0						
11.0						
12.0						



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

CH2M HILL

SOIL BORE LOG

Bore No. MW16D

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317063.2	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247654.0	Contractor:	Macquarie Drilling
Site:	East Burren Street	Elevation (mAHD):	16.6	Logged By:	VR
Date:	20-Sep-01	Water Level (mbtc):	0.00	Project Manager:	NR
Weather:	Fine	Final Depth (mbgl):	0.00	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
					Bitumen (0.1 m)	NVO
1.0	Water level at top of gatic cover	MW16D	140150		CLAY, red grey, plastic, firm	PID = 0.0 ppm
2.0					CLAY, yellow grey, plastic, firm, drier than above.	
3.0					Silty CLAY, white red, low plasticity, firm, friable, dry.	
4.0						
5.0						
6.0						
7.0					Silty CLAY, red, plastic, pieces of shale (0-1cm), moist.	
8.0					Silty CLAY, red, plastic, pieces of shale (0-1cm), wet.	Sample: MW16D091001 Taken 9/10/01
9.0						
10.0						
11.0						
12.0					End of Hole @ 12 m	

Weathered Zone 5 - 8 m

Roadbox
Fill
Blank
Bentonite
Sand
Screen

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

CH2M HILL

SOIL BORE LOG

Bore No. MW17S

Sheet 1 of 1

Project No:	110381	Easting (AMG)	317071.66	Equipment:	Solid Flight Auger
Project:	Macdonaldtown Triangle Offsite	Northing (AMG)	1247765.33	Contractor:	Macquarie Drilling
Site:	Former Gasworks Area	Elevation (mAHD):	21.36	Logged By:	VR
Date:	25-Sep-01	Water Level (mbtc):	3.30	Project Manager:	NR
Weather:	Raining	Final Depth (mbgl):	2.45	Checked By:	

Depth (m)	Water Found	Sample Loc.	Sample Depth	Graphic Log	Soil Description (soil type, plasticity/grain size, colour, secondary/minor components, moisture, consistency)	Observation/Comments (visual contamination, odour, side collapse, etc.)
0						NVO; Monument
0.5						Bentonite
1.0	Groundwater @ 3.30 below top monument	MW17S	090100		Fill: Sandy CLAY, brown, low plasticity, coarse grain, gravel.	PID = 0.0 ppm
2.0					CLAY, red, firm, plastic.	Sand; Screen
3.0						
4.0					End of Hole 4 m	
5.0						Water sample: MW17S041001 Taken 4/10/10
6.0						
7.0						
8.0						
9.0						
10.0						
11.0						
12.0						

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