

APPENDIX 'A'

GEOTECHNICAL REPORT

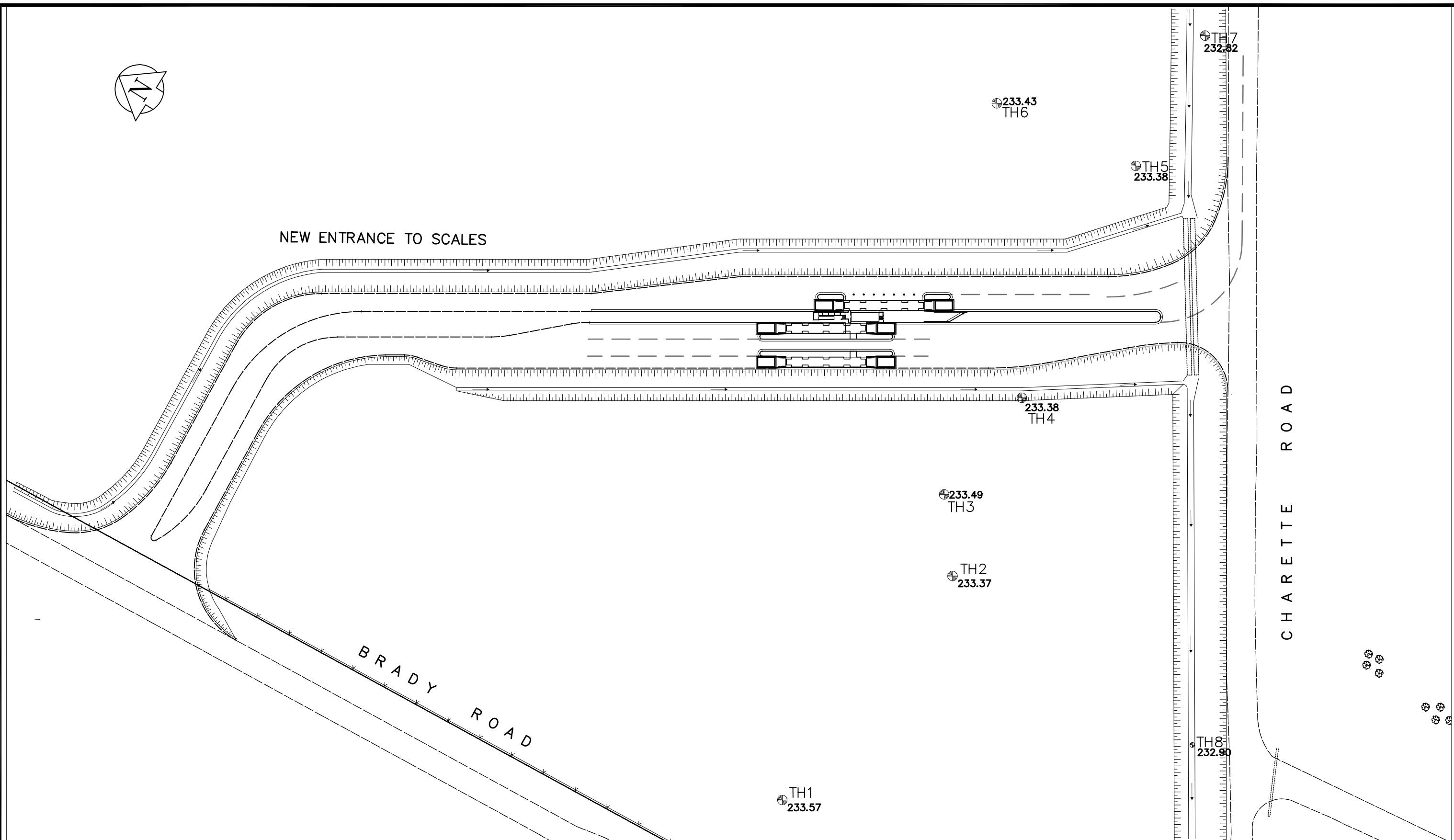
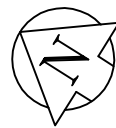
APPENDIX 'A' - GEOTECHNICAL REPORT

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The geotechnical report is provided to aid in the Contractor's evaluation of soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in soil conditions may exist between test holes and fluctuations in groundwater levels can be expected seasonally and may occur as a result of construction activities. The nature and extent of variations may not become evident until construction commences.



no.	yy-mm-dd	revision	by	app.
2	07/06/11	REV. TESTHOLES NO. & ADDED ELEV.	PAAP	
1	06/19/06	REVISED GEOM BASED ON C.O.W.	BC	

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**BRADY ROAD LANDFILL
 TEST HOLE LOCATIONS**

designed	scale	yy-mm-dd
drawn	N.T.S.	05-26-06
checked	project no.	91605
approved	drawing no.	RT02
	rev.	1

BYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 1	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE			DATE OF INVEST.: June 20, 2006		
CLIENT: EARTH TECH			DRILL : SUBTERRANEAN 400 mm AUGER		
SAMPLE NO.	DEPTH (m)	ELEV. (m)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.57		0.00-0.20 TOPSOIL , CLAY	<p>The graph plots Moisture Content (%) on the x-axis (0 to 100) against depth in meters on the y-axis (0 to 20). Three data points are plotted and connected by lines: (0.20, 40), (0.45, 45), and (3.05, 60).</p>
	0.60	233.07		TOPSOIL OVER BLACK CLAY,	
	1.00	232.57		0.20-0.45 SILT, TAN GREY, DAMP TO DRY	
	1.50	232.07		0.45-1.52 CLAY	
	2.00	231.57		BROWN, STIFF, SILTY, HIGH PLASTIC	
	2.50	231.07		1.52-1.88 SILT, LAYERED	
	3.00	230.67		1.67-3.05 CLAY	
	3.50	230.07		BROWN, STIFF, SILTY, HIGH PLASTIC	
				END OF TEST HOLE AT 3.05 IN BROWN STIFF CLAY	

FIGURE 2

DYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 2	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE				DATE OF INVEST.: June 20, 2006	
CLIENT: EARTH TECH				DRILL : SUBTERRANEAN 400 mm AUGER	
SAMPLE NO.	DEPTH (M)	ELEV. (M)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.57			
	0.60	233.07		0.00-0.10 TOPSOIL, 0.10-0.20 SILT, TAN GREY DRY 0.20-1.37 CLAY	
	1.00	232.57		BROWN, STIFF, SILTY, HIGH PLASTIC	
	1.50	232.07		1.37-1.52 SILT, TAN, LAYERED 1.62-12.04 CLAY	
	2.00	231.57		BROWN, STIFF, SILTY, HIGH PLASTIC	
	2.50	231.07			
	3.00	230.57			
	3.50	230.07			
	4.00	229.57			
	4.50	229.07		BROWN, MEDIUM, HIGH PLASTIC, SILTY, TRACE SULPHATES, TRACE SAND INCLUSIONS, TRACE ROOTLETS, SOMR FINE LAYERING	Qu-55.1 kPa Pp-71.8 kPa Tv-74.2 kPa W-16.32 Kn/m
	5.00	228.57			
	5.50	228.07			
	6.00	227.57			
	6.50	227.07			
	7.00	226.57			
	7.50	226.07			
	8.00	225.57		GREY, STIFF, HIGH PLASTIC, SILTY TRACE SILT, SAND AND GRAVEL INCLUSIONS	Qu-130.5 kPa Pp-76.6 kPa Tv-57.5 kPa W-16.92 Kn/m
	8.50	225.07			
	9.00	224.57			
	9.50	224.07			
	10.00	223.57			
	10.50	223.07			
	11.00	222.57		GREY, MEDIUM, HIGH PLASTIC, SOME SILT TRACE SILT, SAND AND GRAVEL INCLUSIONS	Qu-87.2 kPa Pp-88.2 kPa Tv-57.5 kPa W-17.10 Kn/m
	11.50	222.07			
	12.00	221.57			
	12.50	221.07		12.04-13.11 GLACIAL SILT TILL VERY UPPER PART OF TILL SANDY/GRAVELLY, WATER BEARING SILT MATRIX WITH SAND AND GRAVEL, DENSE (+), SOME COBBLES AND BOULDERS, MORE DENSE WITH DEPTH AT 13.0 DENSE TO VERY DENSE	
	13.00	220.57			
	13.50	220.07		END OF TEST HOLE AT 13.11 IN VERY DENSE GLACIAL SILT TILL	

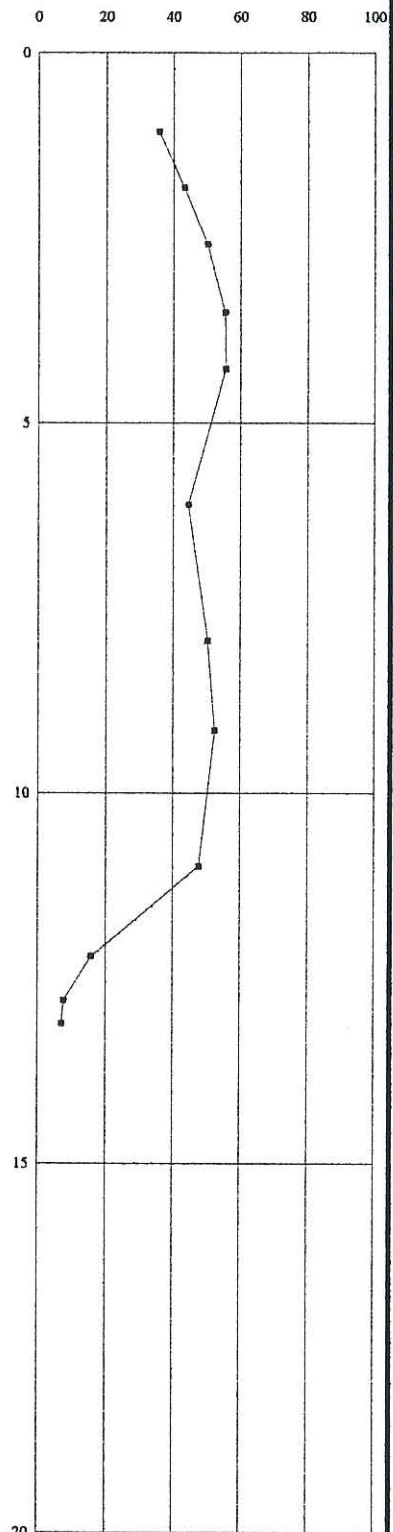


FIGURE 3

DYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 3	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE				DATE OF INVEST.: June 20, 2006	
CLIENT: EARTH TECH				DRILL : SUBTERRANEAN 400 mm AUGER	
SAMPLE NO.	DEPTH (M)	ELEV. (M)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.49		0.00-0.08 TOPSOIL	
	0.50	232.99		0.08-0.20 SILT	
	1.00	232.49		0.20-1.52 CLAY BROWN, STIFF, SILTY, HIGH PLASTIC	
	1.50	231.99		1.52-1.67 SILT, TAN, LAYERED	
	2.00	231.49		1.67-12.20 CLAY BROWN, STIFF, SILTY, HIGH PLASTIC	
	2.50	230.99			
	3.00	230.49		AT 2.7 TRACE SILT, SAND AND FINE GRAVEL INCLUSIONS	
	3.50	229.99			
	4.00	229.49			
	4.50	228.99			
	5.00	228.49			
	5.50	227.99			
	6.00	227.49		GREY, SILTY, HIGH PLASTIC, SOME SILT LAYERINGS, TRACE SILT, SAND AND GRAVEL INCLUSIONS, FIRM TO STIFF	
	6.50	228.99			
	7.00	228.49			
	7.50	225.99			
	8.00	225.49			
	8.50	224.99			
	9.00	224.49			
	9.50	223.99		GREY, FIRM, HIGH PLASTIC, SOME SILT, TRACE SILT, SAND, AND GRAVEL INCLUSIONS, SOME GRAVEL STONE TO 25 mm DIAMETER	Qu-80.2 kPa Pp-67.0 kPa Tv-57.5 kPa W-16.88 Kn/m
	10.00	223.49			
	10.50	222.99			
	11.00	222.49			
	11.50	221.99			
	12.00	221.49			
	12.50	220.99		12.20-12.80 GLACIAL SILT TILL SILT MATRIX WITH SAND AND GRAVEL, SOME COBBLES AND BOULDERS, MORE DENSE WITH DEPTH	
	13.00	220.49			
	13.50	219.99		END OF TEST HOLE AT 12.80 IN VERY DENSE GLACIAL SILT TILL	

FIGURE 4

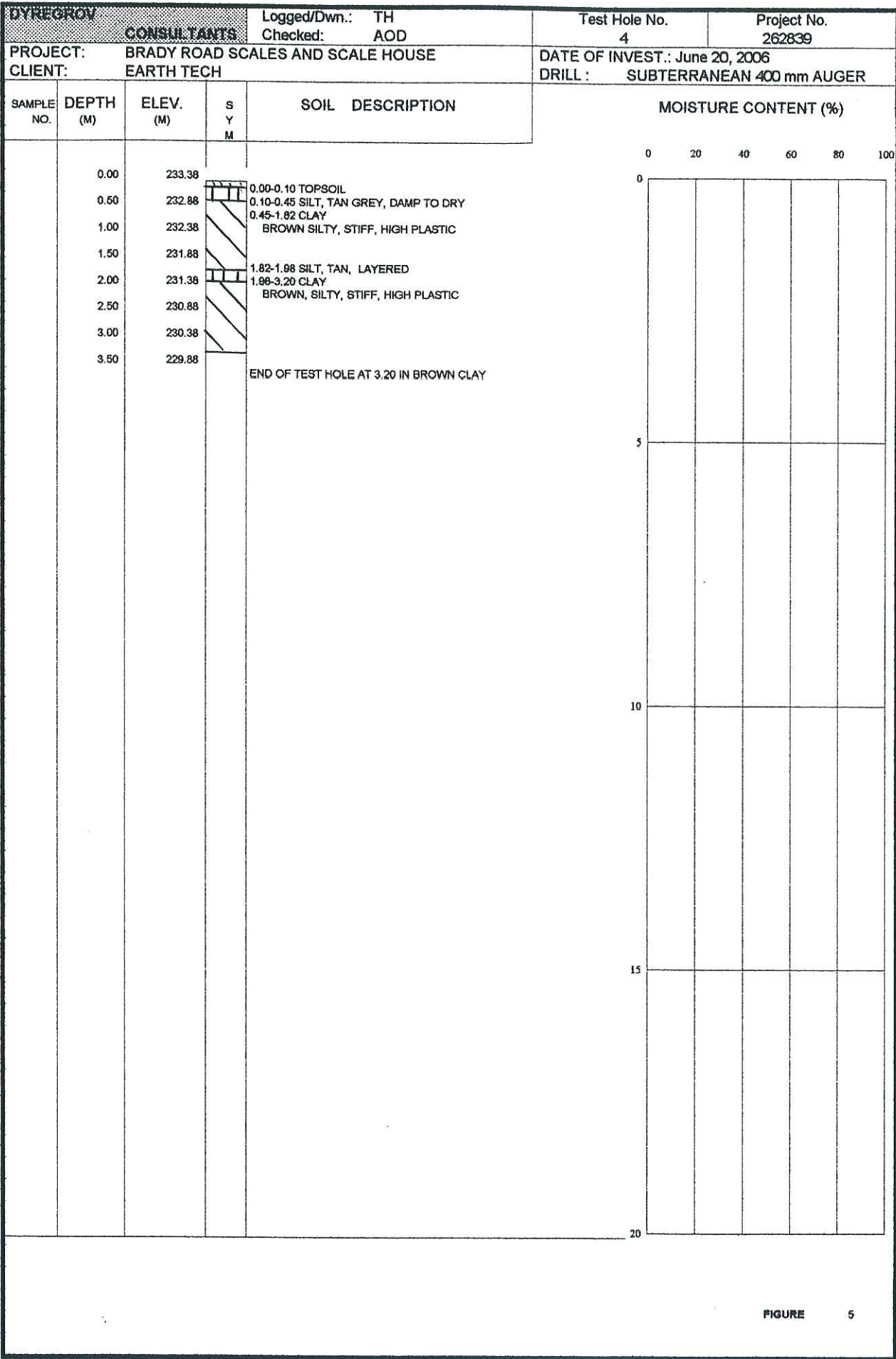


FIGURE 5

DYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 5	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE			DATE OF INVEST.: June 20, 2006		
CLIENT: EARTH TECH			DRILL : SUBTERRANEAN 400 mm AUGER		
SAMPLE NO.	DEPTH (M)	ELEV. (M)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.38		0.00-0.20 TOPSOIL	
	0.50	232.88		0.20-1.22 CLAY BROWN, STIFF, SILTY, HIGH PLASTIC	
	1.00	232.38			
	1.50	231.88		1.22-1.37 SILT, TAN, LAYERED	
	2.00	231.38		1.37-3.05 CLAY BROWN, SILTY, STIFF, HIGH PLASTIC	
	2.50	230.88			
	3.00	230.38			
	3.50	229.88			
	4.00	229.38		END OF TEST HOLE AT 3.05 IN BROWN CLAY	

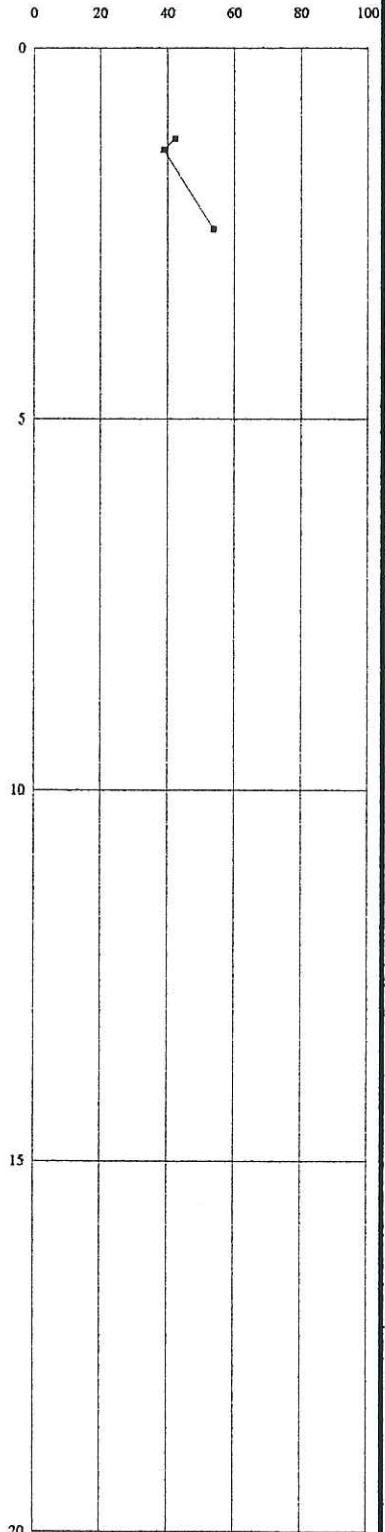


FIGURE 8

DYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 6	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE			DATE OF INVEST.: June 20, 2006		
CLIENT: EARTH TECH			DRILL : SUBTERRANEAN 400 mm AUGER		
SAMPLE NO.	DEPTH (M)	ELEV. (M)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.43		0.00-0.11 TOPSOIL	<p>The graph plots moisture content (%) on the x-axis (0 to 100) against depth (m) on the y-axis (0 to 20). Two data points are plotted: one at approximately 45% moisture content and another at approximately 55% moisture content. A vertical line connects these two points, and a horizontal line is drawn at the 55% level.</p>
	0.50	232.93		0.11-1.88 CLAY BROWN, SILTY, STIFF, HIGH PLASTIC	
	1.00	232.43			
	1.50	231.93			
	2.00	231.43		1.88-1.83 SILT, TAN, LAYERED	
	2.50	230.93		1.83-3.06 CLAY BOWN, SILTY, STIFF, HIGH PLASTIC	
	3.00	230.43			
	3.50	229.93			
	4.00	229.43		END OF TEST HOLE IN BROWN CLAY	

FIGURE 7

DYREGROV CONSULTANTS		Logged/Dwn.: TH Checked: AOD		Test Hole No. 7	Project No. 262839
PROJECT: BRADY ROAD SCALES AND SCALE HOUSE				DATE OF INVEST.: June 20, 2006	
CLIENT: EARTH TECH				DRILL : SUBTERRANEAN 400 mm AUGER	
SAMPLE NO.	DEPTH (M)	ELEV. (M)	S Y M	SOIL DESCRIPTION	MOISTURE CONTENT (%)
	0.00	233.82		0.00-0.13 TOPSOIL	
	0.50	233.32		0.13-0.61 SILT, TAN, DAMP	
	1.00	232.82		0.61-3.05 CLAY	
	1.50	232.32		BROWN, SILTY, STIFF, HIGH PLASTIC	
	2.00	231.82			
	2.50	231.32			
	3.00	230.82			
	3.50	230.32			
	4.00	229.82		END OF TEST HOLE AT 3.05 IN BROWN CLAY	