

RECORD OF BOREHOLE No 05-32

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+870 Lt 10.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.15 CHECKED BY R.C.

SOIL PROFILE		SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT NATURAL MOISTURE CONTENT LIQUID LIMIT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE			"N" VALUES	SHEAR STRENGTH kPa					WATER CONTENT (%)			
							20	40	60	80	100	W <sub>p</sub>	W	W <sub>L</sub>		
171.3	Ground Surface															
0.0	FILL - SAND & GRAVEL		1	AS		171										
170.3	- SAND - some gravel, trace silt, brown		2	AS												
1.0	End of Borehole @ 1.0m. Auger Refusal.															

# RECORD OF BOREHOLE No 05-32A

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+797 Lt 5.0m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.12.09 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT w <sub>p</sub>	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w <sub>L</sub>	UNIT WEIGHT γ	REMARKS & GRAIN SIZE DISTRIBUTION (%)
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa									
								20	40	60	80	100					
174.1	Ground Surface																
0.0	FILL - SAND & GRAVEL		1	AS													Water level @ 3.8m on completion. Cave @ 3.8m on completion.
	----- - SAND - some gravel, trace silt, brown, very loose to compact		2	SS	11												
			3	SS	9												
	----- - Silty, trace gravel		4	SS	6												
	----- - some silt, some gravel		5	SS	1												
170.4			6	SS	2												
3.7	SAND - Silty, trace gravel, brown/grey, very loose		7	SS	101												
	----- - occasional cobbles		8	SS	15												
168.9			9	SS	5												
5.2	SAND - some silt, grey, compact		10	SS	13												
168.1			11	SS	34												
6.0	SAND - Silty, grey, loose to compact																
165.2																	
8.9	SAND - some gravel, trace silt, brown/grey, dense																
164.5																	
9.6	End of Borehole @ 9.6m. Auger Refusal.																

×<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity ○ 3% STRAIN AT FAILURE

ENCLOSURE 2

# RECORD OF BOREHOLE No 05-33

1 OF 1

**METRIC**

W.P. 392-98-00 LOCATION 30+923 Lt 7.0m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.11.15 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT w <sub>p</sub>	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w <sub>L</sub>	UNIT WEIGHT γ  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)			
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa										WATER CONTENT (%)		
								○ UNCONFINED      ✕ FIELD VANE										○		
								□ QUICK TRIAXIAL    ★ LAB VANE										○		
							20	40	60	80	100	10	20	30						
172.9	Ground Surface																			
0.0	FILL - SAND & GRAVEL		1	AS																
	----- - SAND - trace organics, brown, very loose to loose		2	SS	1															
			3	SS	6															
	----- - grey/black		4	SS	2															
169.9																				
3.0	SAND - trace gravel, trace silt, grey, loose		5	SS	5															
			6	SS	5															
168.4																				
4.5	SILT - some sand, grey, loose		7	SS	5															
			8	SS	5															
166.1																				
6.8	End of Borehole @ 6.8m. Auger Refusal.																			

x<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity      ○ 3% STRAIN AT FAILURE






**ENCLOSURE 3**

RECORD OF BOREHOLE No 05-34

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+974 Lt 5.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.15 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT w <sub>p</sub>	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w <sub>L</sub>	UNIT WEIGHT γ	REMARKS & GRAIN SIZE DISTRIBUTION (%)	
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa										
								○ UNCONFINED	✕ FIELD VANE	□ QUICK TRIAXIAL	★ LAB VANE	WATER CONTENT (%)						
173.1	Ground Surface						20	40	60	80	100							
0.0	FILL - SAND & GRAVEL		1	AS			173										Water level @ 1.5m 1hr after completion. Cave @ 1.5m 1hr after completion.	
	----- - SAND - some gravel, trace silt, brown						172											
	----- - Silty, some gravel, occasional cobble, trace rockfill, brown		2	SS														
	----- - ROCKFILL																	
			3	SS	2			171										
	----- - SAND - some gravel, trace silt, brown, loose																	
	----- - occasional cobble, compact	4	SS	5			170											
169.3																		
3.8	SAND - Silty, trace organics, grey/brown, loose		6	SS	9			169										
168.5																		
4.6	SAND - trace silt, grey/brown, loose		7	SS	4		168										0 95 (5)	
167.0																		
6.1	SILT - Sandy, grey, loose		8	SS	7		167											

×<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity ○ 3% STRAIN AT FAILURE








ENCLOSURE 4

RECORD OF BOREHOLE No 05-35

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+780 Lt 14.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.26 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT W <sub>p</sub>	NATURAL MOISTURE CONTENT W	LIQUID LIMIT W <sub>L</sub>	UNIT WEIGHT  γ  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa									
170.8	Ground Surface							20	40	60	80	100					
0.0	ROOTMAT - 400mm						170										Water level @ top of hole after completion. Cave @ 1.8m on completion.
	----- - ORGANICS - black		1	TW													
169.6							169										
1.2	SAND - trace silt, grey, loose		2	SS	5												
	----- - some gravel, trace silt, occasional cobbles, grey, compact to very dense		3	SS	10		168										
			4	SS	72												
167.0							167										
3.8	End of Borehole @ 3.8m. Auger Refusal.																

✕<sup>3</sup>, ★<sup>3</sup>: Numbers refer to  
Sensitivity

○ 3% STRAIN AT FAILURE

ENCLOSURE 5

RECORD OF BOREHOLE No 05-36

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+814 Lt 14.5m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.26 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC NATURAL LIQUID LIMIT MOISTURE LIMIT CONTENT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL					
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)									
							20	40	60	80	100	20	40	60	80	100	10	20	30			
170.7	Ground Surface																					
0.0	ROOTMAT - 400mm		1	AS																		
	- ORGANICS		2	TW																		
169.4	- ORGANICS & SAND																					
1.4	SAND - Silty, grey, loose		3	SS	6																	
168.5																						
2.2	SILT - Sandy, layered, grey, loose		4	SS	7																	
			5	SS	8																	
			6	SS	6																	
166.2																						
4.5	SAND - Gravelly, some silt, brown/grey, dense		7	SS	36																	
165.6																						
5.1	End of Borehole @ 5.1m. Auger Refusal.																					

# RECORD OF BOREHOLE No 05-37

1 OF 1

**METRIC**

W.P. 392-98-00 LOCATION 30+845 Lt 11.0m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.11.27 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT			PLASTIC LIMIT w <sub>p</sub>	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w <sub>L</sub>	UNIT WEIGHT  γ  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)			
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa								WATER CONTENT (%)		
								○ UNCONFINED	✕ FIELD VANE	□ QUICK TRIAXIAL						★ LAB VANE		
170.7	Ground Surface						20	40	60	80	100	10	20	30		GR SA SI CL		
0.0	ROOTMAT - 300mm															Water level @ 0.1m on completion. Cave @ 2.0m on completion.		
170.0	----- - ORGANICS - brown		1	AS														
0.8	SAND - trace silt, trace rootlets, grey		2	SS	9													
169.3																		
1.4	SILT - Sandy, grey		3	SS	7													
168.5																		
2.2	SAND - Silty, grey		4	SS	3													
167.8																		
2.9	SILT - Sandy, grey		5	SS	7													
166.9																		
3.8	End of Borehole @ 3.8m. Auger Refusal.																	

$\times^3, \star^3$ : Numbers refer to  
Sensitivity

$\bigcirc$  3% STRAIN AT FAILURE

**ENCLOSURE 7**

# RECORD OF BOREHOLE No 05-38

1 OF 1

**METRIC**

W.P. 392-98-00 LOCATION 30+875 Lt 14.5m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.11.27 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC NATURAL LIQUID LIMIT MOISTURE CONTENT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)					
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)									
							20	40	60	80	100	20	40	60	80	100	10	20	30			
170.5	Ground Surface																					
0.0	ROOTMAT - 400mm																					
169.8	ORGANICS - black		1	AS			170															
0.7	SAND - Silty, grey, loose		2	SS	8																	
			3	SS	4		169															
168.3	SILT - Sandy, trace cobbles, grey, loose to compact		4	SS	20		168															
			5	SS	7		167															
166.6	End of Borehole @ 3.9m. Auger Refusal.																					
3.9																						




RECORD OF BOREHOLE No 05-39

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+910 Lt 8.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.28 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT			PLASTIC LIMIT  w <sub>p</sub>	NATURAL MOISTURE CONTENT  w	LIQUID LIMIT  w <sub>L</sub>	UNIT WEIGHT  γ  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)  GR SA SI CL			
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa								WATER CONTENT (%)		
								○ UNCONFINED □ QUICK TRIAXIAL	✕ FIELD VANE ★ LAB VANE									
171.1	Ground Surface																	
0.0	FILL - TOPSOIL - 300mm		1	AS											Water level @ 0.6m on completion. Cave @ 1.9m on completion.  Organic Content 19.3%. Organic Content 15.8%.  0 72 (28)			
	- SAND - with rockfill																	
	- SAND & ORGANICS		2	TW														
	- SAND - Silty, trace organics, grey/brown, loose		3	SS	4													
168.0	- wood pieces @ 3.1																	
3.1	SAND - Silty, brown, loose		4	SS	5													
167.3																		
3.8	SILT - Sandy, grey, loose		5	SS	5													
166.5																		
4.6	End of Borehole @ 4.6m. Auger Refusal.																	

✕<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity ○ 3% STRAIN AT FAILURE

ENCLOSURE 9

# RECORD OF BOREHOLE No 05-40

1 OF 1

METRIC

W.P. 392-98-00 LOCATION 30+934 Lt 16.3m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.11.28 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT		PLASTIC LIMIT      NATURAL MOISTURE CONTENT      LIQUID LIMIT			UNIT WEIGHT  $\gamma$  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)	
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa		W <sub>p</sub>	W	W <sub>L</sub>			WATER CONTENT (%)
								20   40   60   80   100	20   40   60   80   100	10	20	30			
						▼		○ UNCONFINED      ✕ FIELD VANE □ QUICK TRIAXIAL    ★ LAB VANE							
170.6	Ground Surface														
0.0	FILL - TOPSOIL - 450mm		1	AS			170							101	
	----- - SAND - grey ----- - some organics		2	TW										50	
			3	TW											
168.5															
2.1	SAND - trace silt, grey, very loose to loose		4	SS	4		168								
			5	SS	2										
167.0							167								
3.6	SILT - Sandy, grey, very loose to loose		6	SS	2										
			7	SS	3		166								
							165								
	----- - some gravel, occasional cobbles, & boulders, grey, compact to dense		8	SS	20		164								
			9	SS	41		163								
							162								
			10	SS	25		161								
160.4															
10.2	End of Borehole @ 10.2m. Auger Refusal.														

Numbers refer to  
Sensitivity

3% STRAIN AT FAILURE







ENCLOSURE 10

RECORD OF BOREHOLE No 05-41

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METRIC

W.P. 392-98-00 LOCATION 30+943 Lt 11.5m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.28 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT			PLASTIC LIMIT   NATURAL MOISTURE CONTENT   LIQUID LIMIT			UNIT WEIGHT  $\gamma$  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)	
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa			W <sub>p</sub> W                      W <sub>L</sub>					
								20   40   60   80   100	○ UNCONFINED                      ✕ FIELD VANE □ QUICK TRIAXIAL                      ★ LAB VANE			WATER CONTENT (%)				
170.8	Ground Surface														Water level @ 0.3m on completion. Cave @ 3.0m on completion.	
0.0	FILL - TOPSOIL		1	AS												46 59
169.8	----- - SAND & ORGANICS - brown		2	SS	1											
1.0	SAND - trace silt, grey, very loose															
			3	TW												
			4	SS	3											
167.9																
2.9	SAND - Silty, grey, loose		5	SS	5											
167.1																
3.7	SILT - Sandy, grey, loose		6	SS	4											
			7	SS	5											
164.7																
6.1	SAND - Silty, cobbles & boulders, grey, very dense		8	SS	101											
162.9																
7.9	End of Borehole @ 7.9m. Auger Refusal.															

×<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity ○ 3% STRAIN AT FAILURE







ENCLOSURE 11

RECORD OF BOREHOLE No 05-42

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METRIC

W.P. 392-98-00 LOCATION 30+968 Lt 15.5m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.12.01 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT   NATURAL MOISTURE CONTENT   LIQUID LIMIT			UNIT WEIGHT  $\gamma$  kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)	
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					W <sub>p</sub> W                      W <sub>L</sub>  WATER CONTENT (%)					
170.8	Ground Surface																93 55	GR SA SI CL  Water level @ 0.3m on completion. Cave @ 2.0m on completion.
0.0	TOPSOIL																	
170.4																		
0.4	ORGANICS - Clayey, some sand, black		1	AS														
			2	SS	6													
169.3																		
1.5	SAND - Silty, grey, very loose to loose		3	SS	4													
			4	SS	5													
			5	SS	3													
			6	SS	4													
166.3																		
4.5	SAND - some gravel, trace silt, trace cobbles, grey, compact		7	SS	11													
165.5																		
5.3	End of Borehole @ 5.3m. Auger Refusal.																	

✕<sup>3</sup>, ★<sup>3</sup>: Numbers refer to Sensitivity ○ 3% STRAIN AT FAILURE

ENCLOSURE 12

RECORD OF BOREHOLE No 05-43

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METRIC

W.P. 392-98-00 LOCATION 30+999 Lt 17.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.12.01 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT NATURAL MOISTURE CONTENT LIQUID LIMIT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)				
							20	40	60	80	100	W <sub>p</sub>	W	W <sub>L</sub>			
171.8	Ground Surface																
0.0	TOPSOIL - 300mm																
171.5																	
0.3	SILT - some organics, brown/grey		1	AS													
171.1																	
0.7	SAND - Silty, trace gravel, trace organics, grey, very loose to loose		2	SS	4												
			3	SS	2												
			4	SS	8												
			5	SS	9												
168.0																	
3.8	End of Borehole @ 3.8m. Auger Refusal.																

RECORD OF BOREHOLE No 05-44

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METRIC

W.P. 392-98-00 LOCATION 31+030 Lt 11.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
DATUM Geodetic DATE 2004.12.01 CHECKED BY R.C.



SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC NATURAL LIQUID LIMIT MOISTURE CONTENT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%)					
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)									
							20	40	60	80	100	20	40	60	80	100	10	20	30			
172.0	Ground Surface																					
170.8	TOPSOIL - 200mm																					
0.2	SAND - trace silt, occasional cobbles, brown		1	AS																		
171.2	CLAY - Silty, Sandy, trace gravel, trace organics, grey, firm		2	SS	5																	
0.8																						
170.5	SAND - some gravel, some silt, brown, loose to compact		3	SS	8																	
1.5																						
			4	SS	11																	
			5	SS	20																	
168.3	End of Borehole @ 3.7m. Auger Refusal.																					
3.7																						

# RECORD OF BOREHOLE No 05-45

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**METRIC**

W.P. 392-98-00 LOCATION 31+075 Lt 17.0m ORIGINATED BY P.R.  
 DIST 54 HWY 17 BOREHOLE TYPE Hollow Stem Auger COMPILED BY T.G.  
 DATUM Geodetic DATE 2004.12.01 CHECKED BY R.C.

SOIL PROFILE		SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT NATURAL MOISTURE CONTENT LIQUID LIMIT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE			"N" VALUES	SHEAR STRENGTH kPa					WATER CONTENT (%)			
							20	40	60	80	100	W <sub>p</sub>	W	W <sub>L</sub>		
172.1	Ground Surface															
0.0	TOPSOIL - 300mm															
0.3	SAND - trace gravel, some silt, brown, loose to compact		1	AS												
			2	SS	16											
			3	SS	4											
			4	SS	21											
169.4	End of Borehole @ 2.7m. Auger Refusal.															
2.7																

RECORD OF DCPT No 05-DCPT 1

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METRIC

W.P. 392-98-00 LOCATION 30+917 Lt 5.0m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Dynamic cone Penetration Test COMPILED BY T.G.  
DATUM Geodetic DATE 2004.12.16 CHECKED BY R.C.

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC NATURAL LIQUID LIMIT MOISTURE LIMIT CONTENT			UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)				
							20	40	60	80	100	W <sub>p</sub>	W	W <sub>L</sub>			
172.8 0.0																	
171.8 1.0																	
170.8 2.0																	
169.8 3.0																	
168.8 4.0																	
167.8 5.0																	
166.8 6.0																	
165.8 7.0																	
165.5 7.3																	



RECORD OF DCPT No 05-DCPT 2

1 OF 1

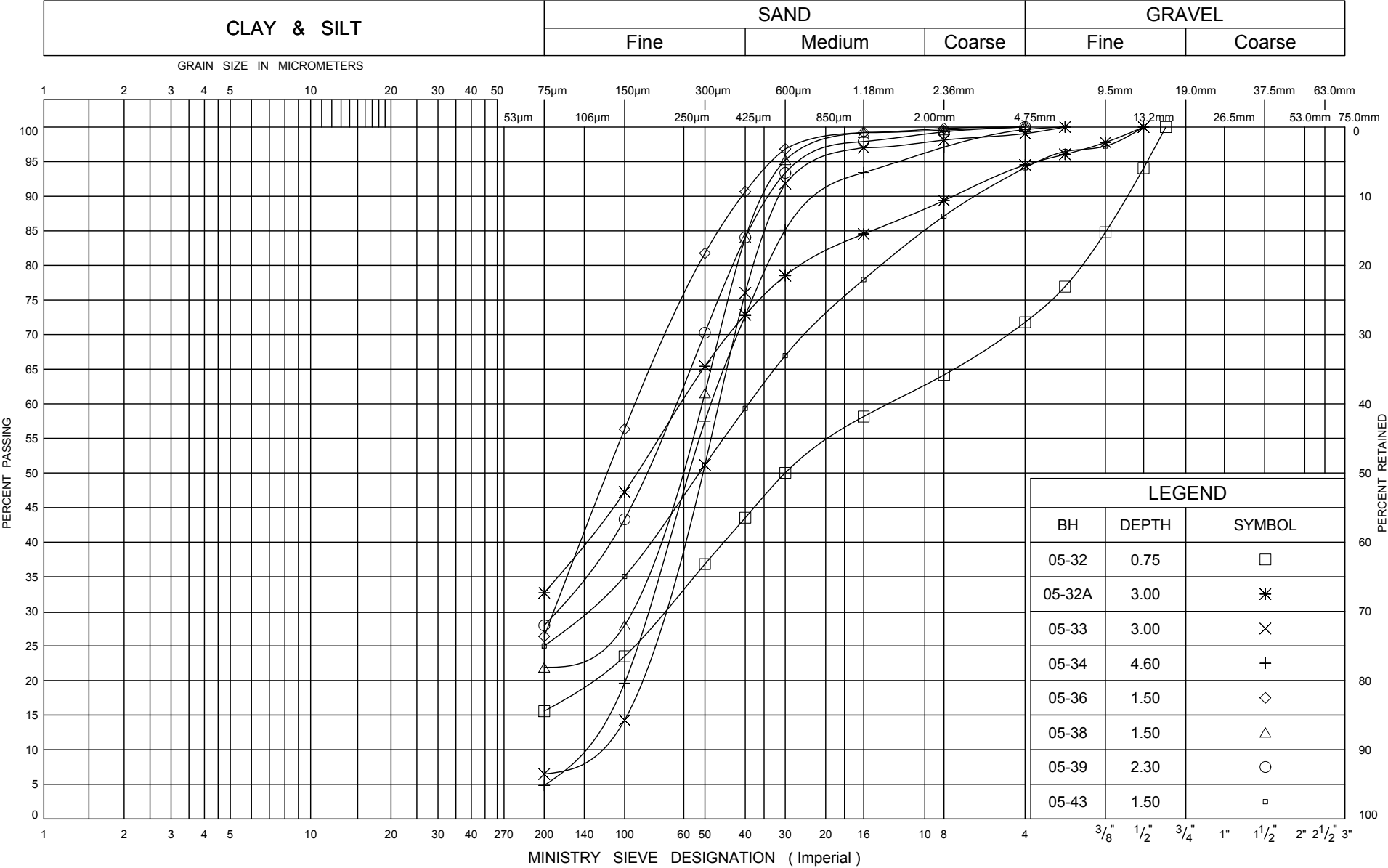
METRIC

W.P. 392-98-00 LOCATION 30+934.5 Lt 15.7m ORIGINATED BY P.R.  
DIST 54 HWY 17 BOREHOLE TYPE Dynamic Cone Penetration Test COMPILED BY T.G.  
DATUM Geodetic DATE 2004.11.30 CHECKED BY R.C.

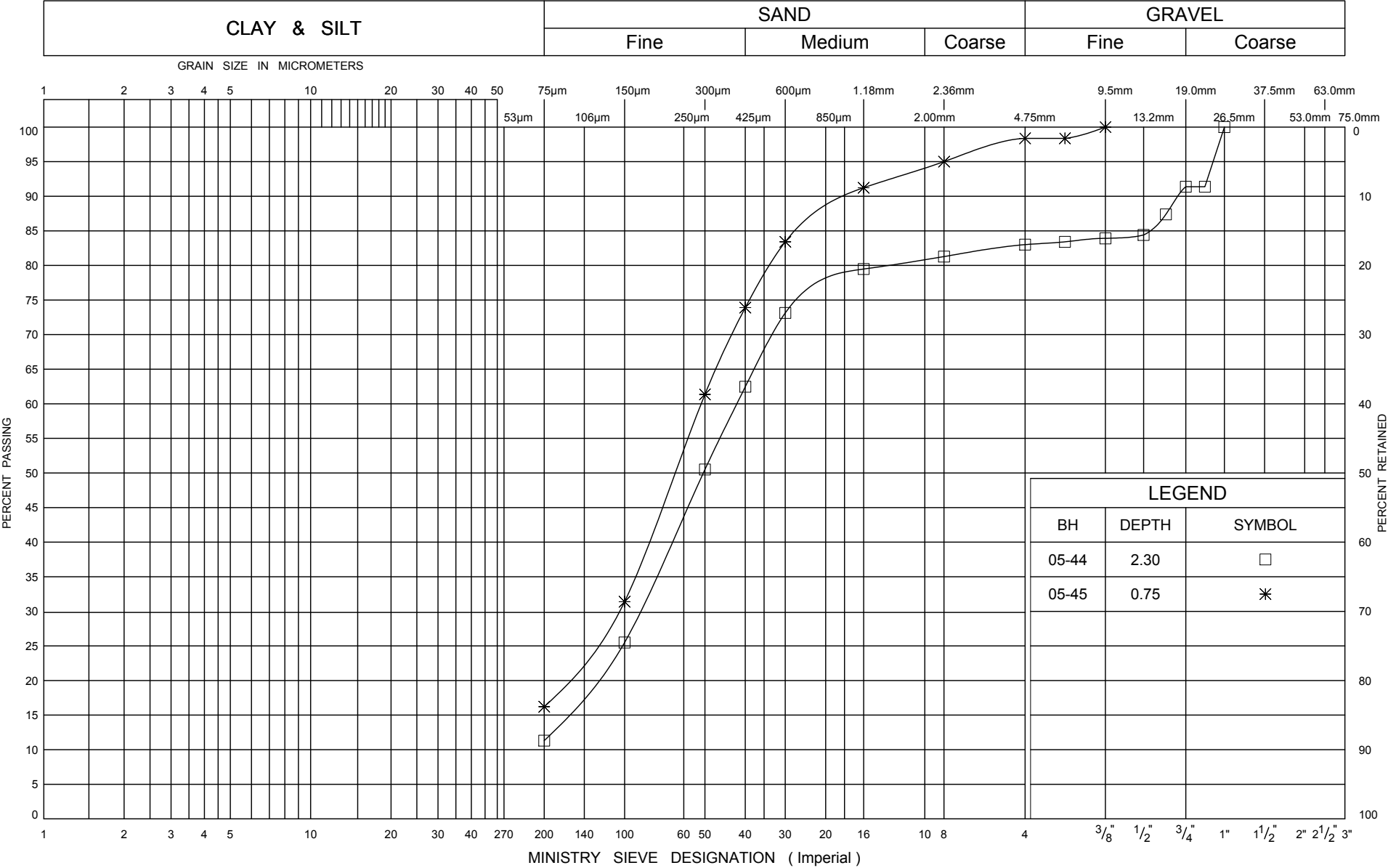
SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT		PLASTIC LIMIT W <sub>p</sub>	NATURAL MOISTURE CONTENT W	LIQUID LIMIT W <sub>L</sub>	UNIT WEIGHT $\gamma$ kN/m <sup>3</sup>	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa						
170.6 0.0								20 40 60 80 100						Augered to 0.75m.
169.6 1.0								20 40 60 80 100						
168.6 2.0								20 40 60 80 100						
167.6 3.0								20 40 60 80 100						
166.6 4.0								20 40 60 80 100						
165.6 5.0								20 40 60 80 100						
164.6 6.0								20 40 60 80 100						
163.6 7.0								20 40 60 80 100						
162.6 8.0								20 40 60 80 100						
161.6 9.0								20 40 60 80 100						
160.6 10.0								20 40 60 80 100						
160.3 10.3								20 40 60 80 100						

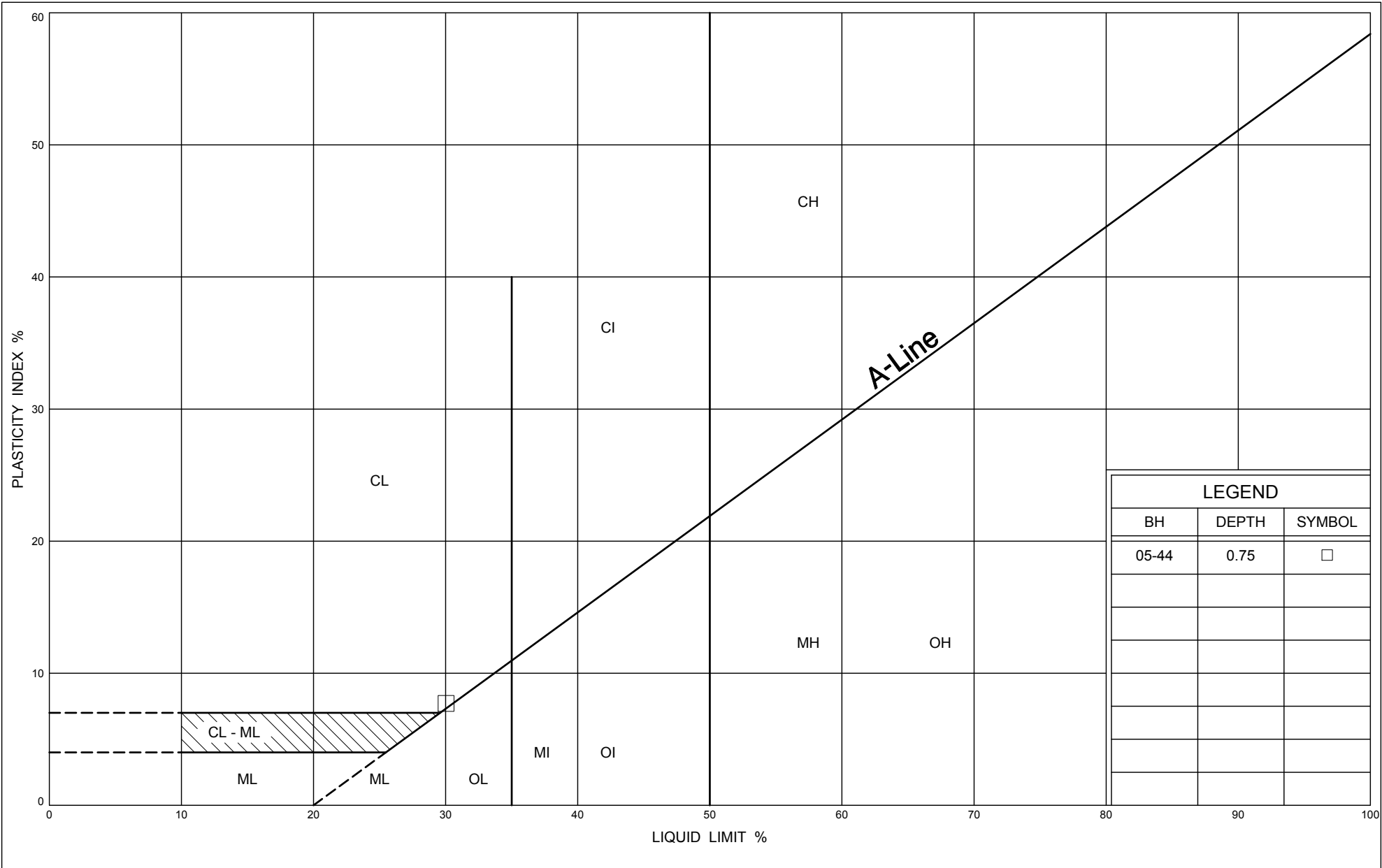
ONTARIO MOT TG04221-MOT.GPJ ONTARIO MOT.GDT 19.12.05

UNIFIED SOIL CLASSIFICATION SYSTEM



UNIFIED SOIL CLASSIFICATION SYSTEM





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