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PROJECT GATEWAY BRIDGE

Sheet 1 of 6

LOCATION Plot 7 Ch. 17130 on centreline
R 45194.75

HOLE No. 814

REF B4562

JOB No. 10/100/100-1 PROJECT No. 1/54

DATE 10/11/79 SURFACE R.L. -2.5

TYPE OF DRILLING: Hollow Auger [] Depth (m) []
Casing [] Depth (m) []
CORING: [] Depth (m) []

ENGINEERING PROPERTIES				FIELD SAMPLE #	Depth & R.L. ()	STRATA DESCRIPTION	
MC	Y _x	DD	DD			SOIL TYPE	LITHOLOGY
X	Y	X	Y	N VALUE	1-50		
0	0	P	0		0.00		
					-2.80		
				1	3.4		
				2	6.4		
				3	9.5		

REMARKS

GEOI ENGR
APPR

In Use
 Unsaturated
 High Water
 Underlying
 Other
 Note

PROJECT RAILWAY BRIDGE

Sheet 7 of 6
HOLE No 514 (cont.)

LOCATION

REF. 84962

DATUM BM

JOB No.

PROJECT No 7/54

DATE

SURFACE RL.

TYPE OF DRILLING

Hollow Auger [] Depth (m)
Coring [] Depth (m)

Casing [] Depth (m)
[] Depth (m)

ENGINEERING PROPERTIES				GRATIC 200	FIELD SAMPLE & N VALUE	Depth & RL ()	STRATA DESCRIPTION	
MC ()	GD (1/m ³)	PARAMETERS & INDICES					SOIL TYPE	LITHOLOGY OR WEATHERING
2	2	2	2			1.50		
0	0	0	0			20.00		
					15	20.7		
					17	22.7		
					20/120	24.6 24.7		
					20/150	26.1 26.3		
					20/100	27.6 27.7		
					20/150	29.4 29.6 29.6		

HIGHLY WEATHERED

RELATIONS

GEOI APPR ENGR.

SPR	Core Loss	WEATHERED	Exhaustive	Highly	Wash	NOTE

LOCATION

JOB No. PROJECT No. 1/454 DATE

TYPE OF DRILLING: Hollow Auger, Depth (m) []
 Coring, Depth (m) []
 Casing, Depth (m) []

ENGINEERING PROPERTIES		STRUCTURE	CORE REC. % R.O.D.	Depth & R.L. ()	STRATA DESCRIPTION	
Intact Strength	Defect Spacing				SOIL TYPE OR WEATHERING	LITHOLOGY
1 2 3 4 5	1 2 3 4 5		(0) 0	30.00	HIGHLY WEATHERED (BWP.)	Dark grey, soft, clayey rock, containing coal seams.
			(0) 13	31.20 - 34.00	SLIGHTLY WEATHERED	Light grey, defects dip 45°.
			(50) 100	32.57		Light grey, fine grained bearing medium grained with depth, clay matrix. Contains siltstone bands to 20mm, bedding dips 20°.
			(25) 100			
			(10) 100			
			(5) 85			
			(0) 100			
			(75) 100			
			(10) 100			

REMARKS

GPCR ENGR APPR.

SPT	Core Loss	Weathering Coefficient	Extensibility of strata	Frequency of weathered	Water Level	NOTE FOR OTHER STRATA
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LOCATION

JOB No.

PROJECT No. 1/154

DATE

TYPE of DRILLING

Hollow Auger
 Coring

Depth (m)
 Depth (m)

Casing

Depth (m)
 Depth (m)

ENGINEERING PROPERTIES		STRUCTURE	GRAPHIC LOG	CORE REC. % R.Q.D. (1%)	Depth & RL (1:50)	STRATA DESCRIPTION	
Intact Strength	Defect Spacing					SOIL TYPE OR WEATHERING	LITHOLOGY
100	0.25	Shale zone, dark grey, highly fractured, coated with clay.		(25) 100	40.80	MODERATELY WEATHERED (G.O.P.)	
100	0.25	Shale zone, highly fractured, soft, clayey, defects sub-vertical and horizontal, coated with clay.		(3) 60	43.60	Slightly weathered zone, massive to, defects 45° to sub-vertical and sub-horizontal, defect surfaces fresh except in areas of shear zones.	fine grained massive beds.
100	0.25	Shale zone, fragmented clayey rock.		(22) 80			
100	0.25			(58) 100			
100	0.25			(70) 99			
100	0.25			(90) 100			
100	0.25	Subvertical defects healed with calcite.		(99) 100			

REMARKS

GEOL ENGR.

S.P.I.
 Dis. Loss
 WEATHERED (G.O.P.)
 Extremely Fractured
 Moderately Fractured
 Minor Fractures
 Water Level
 NOTE FOR OTHER SHEETS SEE METHOD 1

Sheet 6 of 6
 HOLE No. 114 (cont.)
 REF. 84952
 DATUM AHD
 SURFACE RL.

LOCATION

JOB NO.

PROJECT No. 1/854

DATE

TYPE OF DRILLING

Hollow Auger
 Coring

Depth (m)
 Depth (m)

Casing
 Depth (m)
 Depth (m)

ENGINEERING PROPERTIES		STRUCTURE	STARTING LOG	CORE REC. % R.O.B.	Depth & R.L. (m)	STRATA DESCRIPTION	
Index Strength	Defect Spacing					SOIL TYPE OR WEATHERING	LITHOLOGY
				1%	50.10		
				(27) 100	(-56.80)	SLIGHTLY WEATHERED (OOFL.)	
		Fragmented, sub-vertical, slightly coated, clayey rock.		(0) 100			
		Shear zone, sub-vertical, interlocking defects, clay coated.		(0) 100			
				(0) 100			
		Fresh seam, fragmented clayey rock.		(31) 100			
				(37) 100			
		Fresh seam, fragmented clayey rock.		(0) 100			
		Fresh seam, fragmented clayey rock, partially healed at top with veins.		(34) 100			
				(0) 100	57.42		
					-60.75		
						END OF HOLE	

REMARKS

CEG, 22/04/85
 APPR, 24/04/85

SP1 [] Core Log [] Geotechnical [] Laboratory [] Moisture [] Water [] Lead []