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PROJECT GATEWAY BRIDGE

Sheet 1 of 6

HOLE No. B19

LOCATION Pier 9, Ch. 17363, 6.5m left of centreline
N 35082.385 E 45054.187

REF. H4967

DATUM AJD

JOB No.140/E81/UEX2.1 PROJECT No. 1/151

DATE 4/3/81 SURFACE R.L. 3.3

TYPE OF DRILLING: Hollow Auger, NMLC Coring
Depth (m) HX Casing 0.0 - 6.0
Depth (m) MW 0.0 - 41.0

Table with columns: ENGINEERING PROPERTIES (MC, DD, PARAMETERS & INDICES), GRAPHIC LOG, FIELD SAMPLE & N VALUE, Depth & RL, STRATA DESCRIPTION (SOIL TYPE, LITHOLOGY OR WEATHERING). Includes a vertical scale on the right side.

REMARKS

GEOL. ENGR.
APPR.

Legend for symbols: SPT, Core Loss, WEATHERED CONDITION (Extremely Weathered, Moderately Weathered), Water Level, NOTE FOR OTHER SYMBOLS.

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

Form 23 ZL (C)

PROJECT GATEWAY BRIDGE

(P) 13/79

Sheet 3 of 6

LOCATION

HOLE No. B19 Con't

REF. H4967

DATUM AND

SURFACE R.L.

JOB No.

PROJECT No. 1/454

DATE

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES				GRAPHIC LOG	FIELD SAMPLE & N VALUE	Depth & RL ()	STRATA DESCRIPTION	
MC () x x 0	x 0	DD (t/m ³) x 0	PARAMETERS & INDICES				SOIL TYPE OR WEATHERING	LITHOLOGY
						20.00		
						-16.70		

REMARKS

GEOL. ENGR. APPR.

SPT Core Loss WEATHERED CONDITION Extremely Weathered Moderately Weathered Slightly Weathered Water Level NOTE FOR OTHER SYMBOLS

MAIN ROADS DEPARTMENT ENGINEERING CORE LOG

Form 23 ZL (c)

(P) 13/79

PROJECT GATEWAY BRIDGE

Sheet 4 of 6

HOLE No. B19 Cont't

REF. H4967

LOCATION

DATUM AHD

JOB No.

PROJECT No. 1/454

DATE

SURFACE R.L.

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES				GRAPHIC LOG	FIELD SAMPLE & N VALUE	Depth & RL () 1:50 30.00 (-26.70)	STRATA DESCRIPTION	
MC () x	DD (1/m ³) 0	PARAMETERS & INDICES					SOIL TYPE	LITHOLOGY
x 0	x 0	x 0	x 0				OR WEATHERING	
					50* 140			
					50* 125			
					10 10			
					30* 200			
					30* 200			
					20 25			

REMARKS

GEOLOGICAL APPR.

ENGR.

SPT
 Core Loss
 WEATHERED
 Extremely Weathered
 Moderately Weathered
 Water Level
 NOTE FOR OTHER SYMBOLS

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT GATEWAY BRIDGE

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Sheet 5 of 6

HOLE No. B19 Con't

REF. H4967

DATUM AHD

LOCATION

JOB No.

PROJECT No. 1/454

DATE

SURFACE R.L.

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

ENGINEERING PROPERTIES		STRUCTURE	GRAPHIC LOG	CORE REC. % R.O.D. () %	Depth & R.L. ()	STRATA DESCRIPTION	
Intact Strength	Defect Spacing					SOIL TYPE OR WEATHERING	LITHOLOGY
VH H M L	LV VC C M W VW VW VW						
				(0) 100	40.00 (-36.70)	MODERATELY WEATHERED	COAL AND SHALE
		Mudstone band		(0) 58		Defects dip parallel to bedding and at 45° Higher angle defects slickensided often thinly coated with clay	Interbedded fissile shale and mudstone, Bedding dips 10° approximately.
				(0) 100			
				(0) 50	43.00 (-39.70)	HIGHLY WEATHERED	
		Mudstone and carbonaceous shale		(0) 44		Highly fragmented clayey rock throughout	
		Crushed seam fragmented coal		(0) 46			
		Crushed seam, low strength clayey fragmented coal and mudstone		(0) 90			
				(0) 100	47.50 (-44.20)	HIGHLY WEATHERED	MUDSTONE
				(0) 100		Brownish grey, low strength clayey rock. Subhorizontal defects throughout, clay coated.	Massive to poorly fissile rock
				(39) 100	49.0 (-35.70)	MODERATELY WEATHERED	Fine grained
						Defects dip sub-horizontal and 45° coated with grey clay	

REMARKS

GEOL. ENGR. APPR.

S.P.T.
 Core Loss
 WEATHERED CONDITION: Extremely Weathered
 Moderately Weathered
 Water Level
 NOTE FOR OTHER SYMBOLS SEE APPENDIX

LOCATION

JOB No.

PROJECT No. 1/454

DATE

SURFACE RL.

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES										STRUCTURE	GRAPHIC LOG	CORE REC. % R.O.D. ()%	Depth & R.L. () 1:50	STRATA DESCRIPTION	
Intact Strength					Defect Spacing									SOIL TYPE OR WEATHERING	LITHOLOGY
EH	VH	I	M	L	VL	VC	C	M	W	VW					
										Horizontal defect coated with 15mm sandy clay		(40) 100	(-46.70)	MODERATELY WEATHERED Becoming sand below RL -45.70	MIDSTONE
												(40) 100	53.00	SLIGHTLY WEATHERED Grey, defects dip subhorizontal and 45°. Thinly coated with sandy clay.	SANDSTONE medium Grained cross bedded sedimentary rock.
													(-49.70)	END OF HOLE	

REMARKS

GEOLOGICAL APPR. ENGR. NR

APPR. *M. K. Roberts*

SPT
 Core Loss
 WEATHERED
 Extremely
 Moderately
 Water
 NOTE