Qu : 82
MAP : 83122
TYPE 2

REF No 18722

and Research Division

engineering log – borehole

BH1 { E 520920
N 5267200

ACC 2

42 001

borehole no. D BH1
sheet 1 of 2

file:

project: OLD BEACH ROAD
JORDAN RIVER BRIDGE
borehole location: ℄ PIER 3

hole commenced: 9-8-76
hole completed: 12-8-76
supervised by: T.S.
log checked by: W.K.

drill model and mounting: MAYHEW 1000
hole diameter: 150 mm

slope: Vert. deg. –
bearing: – deg. –

R.L. surface: 0.00 m
datum: State

operator: Hassel

method	penetration 1 2 3	support	water	notes samples, tests, etc.	R.L. depth metres	graphic log	classification symbol	material: soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency, rel. density	hand penetrometer kPa 100 200 300 400	structure and additional observations
					0			WATER				
				-4.15	-2							
					-4							
W		C		UD75	-6			Black Organic Clayey Silt	W	VS		Too Soft for Pocket Penetrometer
				UD75	-8			ditto - some shells				
W		C		UD75	-10				W	S		ditto
				UD75	-12			ditto				
W		C		UD75	-14				W	S		50 kPa
				UD75	-16							

key

method
AS auger screwing*
AD auger drilling*
R roller/tricone
W washbore
CT cable tool
* bit shown by suffix:
B – blank bit
V – "V" bit
T – TC bit
e.g. ADT

support
C casing
M mud

penetration
1 2 3 no resistance ranging to refusal

water
10 Oct. 73 water level on date shown
water inflow

notes – samples and tests
U50 – undisturbed sample 50 mm diameter
D – disturbed sample
N – standard penetration test:figure = result
N* – SPT + sample
Nc – cone penetrometer

classification symbols and soil description
based on unified classification system

moisture
D – dry
M – moist
W – wet

consistency/relative density
VS – very soft
S – soft
F – firm
St – stiff
VSt – very stiff
H – hard
Fb – friable
VL – very loose
L – loose
MD – moderately dense
D – dense
VD – very dense

ALS AND RESEARCH DIVISION

engineering log – cored borehole

43 002

borehole no **BH1** sheet 2 of 2

File No.

project: OLD BEACH ROAD JORDAN RIVER BRIDGE	hole commenced: 9-8-76
borehole location: ℄ PIER 3	hole completed: 12-8-76
	supervised by: T. S.
	log checked by: W. K.

drill model and mounting: MAYHEW 1000	slope: Vert deg. –	R. L. surface: 0.00 m	
barrel type and length: NMLC 1.52 fluid W	bearing: – deg. –	datum: State	Driller Hassel

method	R.L.	depth metres	substance description	weathering	defect description
W	-17.55	16	Black clayey silt		
R	-18.02	18	Weathered Basalt	MW	Inferred
NMLC			Black Basalt with thin zeolite layers in the joints	Fr	Joints mostly sub-horizontal and 15°, 30° + 60°
NMLC		20		Fr	
NMLC		22		Fr	
NMLC	-24.61	24		Fr	END
		26			

key

method: AS auger screwing; AD auger drilling; R roller/tricone; W washbore; NMLC NMLC core drilling

case-lift: casing used; barrel withdrawn

water: 10 Oct. 73 water level date shown; water inflow; partial drilling water loss; complete drilling water loss

graphic log/core loss: core recovered (hatching indicates material); no core recovered

weathering: Fr – fresh; SW – slightly weathered; MW – moderately weathered; HW – highly weathered; EW – extremely weathered

strength (indirect tensile strength): EL – extremely low; VL – very low; L – low; M – medium; H – high; VH – very high; EH – extremely high