MAIN ROADS DEPARTMENT — ENGINEERING BORE LOG

FORM 23 ZL (c) -/9/80

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 1 of 2

HOLE No. 8

LOCATION Pier 7, 6.9m right of southbound control
Chainage 15045.0

REF. No. H 6206

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-614 DATE 23/8/89

SURFACE R.L. 2.771

AUGERING / CORE DRILLING / CASING / OTHER

DEPTH (m) 1:50	R.L.	STRATA DESCRIPTION: LITHOLOGY / SOIL TYPE OR WEATHERING	FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES: PARAMETERS & INDICES	MC (%) x / DD (t/m³) □
0	2.77	**FILL** (CL/CH) Brown mottled grey, moist, medium to high plasticity clay, remoulded with sparse gravel and iron concretion fragments, very soft in consistency over except harder compacted surface layer.	A 1			
0.37	(2.40)	**CLAY** (OH) Dark grey, very soft, wet, organic, medium to high plasticity, silty and minor fine grained sand component - alluvial.	B		MC=47.09 DD=1.18t/m³ c=28kPa ϕ=1.5°	
-1.23	(4.00)	**SAND AND GRAVEL** (GP/SP) Brown to grey, very loose to loose, wet coarse grained sand and small gravel to 10mm, very minimal silt or clay content - alluvial.	C8		Layer of fine to medium grained sand	
-2.83	(5.60)	**MUDSTONE** Pale olive green to dark greyish green; stiff to very stiff near surface becoming hard with depth, moist, fine grained, highly plastic, residual, SILTY CLAY (CH) representing a dipping, layered, sedimentary sequence of very low strength, clayey beds, generally massive and fissured in structure, sometimes blocky. Relict high angle jointing in strata at depth. Indications of low angle bedding in fissile shale strata.	D3 E11 F16		Red mottled soft at bedrock surface	
		(Cont.)	G			

REMARKS Water Level not recorded - hole collapsed (8/9/89)
Drilling method - wash boring

GEOL.

ENGR.

S.P.T. ____ mm Tube | Core Loss ____ | WEATHERED CONDITION: Extremely Weathered, Highly Weathered, Moderately Weathered, Slightly Weathered | Water Level

NOTE: FOR TERMS AND SYMBOLS REFER MRD FORM 23 AM (11/87)

MAIN ROADS DEPARTMENT — ENGINEERING BORE LOG

FORM 23 ZL (c) -/9/80

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 2 of 2

HOLE No. 8 (Cont.)

LOCATION

REF. No. H

DATUM

JOB No. PROJECT No. DATE

SURFACE R.L.

AUGERING / CORE DRILLING / CASING / OTHER

DEPTH (m) — 1:50

R.L. -7.23

STRATA DESCRIPTION: LITHOLOGY / SOIL TYPE OR WEATHERING	FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES: PARAMETERS & INDICES	MC (%) x / DD (t/m³) □
MUDSTONE (Cont.)				
	H32		Brown to black, fissile, oil shale bed.	
	J34			
	K34		Pale green mudstone	
	L29		Thinly bedded oil shale - mudstone	
-13.73 (16.50) SHALE Pale greyish green, hard, moist, high plastic, residual SILTY CLAY (CH), relict rock structure well developed, low angle bedded sequence, very low rock strength.	M 30/60			
-16.18 (18.95) END OF HOLE	40* N150			

REMARKS

GEOL.

ENGR.

S.P.T. ____ mm ____

Core Loss

WEATHERED CONDITION

Extremely Weathered

Highly Weathered

Moderately Weathered

Slightly Weathered

Water Level

NOTE: FOR TERMS AND SYMBOLS REFER MRD FORM 23 AM (11/87)