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Holst Soil Engineering Limited

**PARKSIDE LANE
LEEDS LS1159X.**



Contract No. S10640/E2317

Borehole No. 9

Location Port Talbot

Ground Level 5.492m AOD

Client Port Talbot Borough Engineers

Date

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c kN / sq. m	φ deg.	m.c %	γ kg / cu m	N
Very sandy topsoil		0.15	0.15						
MADE GROUND: Loose sandy ash, cinder and brick		2.30	2.15	1.05					3
Soft dark brown mottled organic CLAY		2.45	0.15	2.60					
Very soft grey brown mottled silty sandy organic CLAY		3.20	0.75	3.50	8.3	0	64.7	1630	
Medium dense brown clayey SAND AND GRAVEL		4.45	1.25						11
Stiff brown silty sandy stony CLAY.		4.75	0.30	4.90					28
Medium dense brown clayey sandy GRAVEL with occasional cobbles				6.10					16
				7.60					14
		8.25	3.50	8.70					
Very dense brown SAND AND GRAVEL with occasional boulders				10.20					48
		10.65	2.40						55

Water Struck at

3.50m and 8.25m

Maximum Observed Water Level 1.20m

Undisturbed Sample \square

Disturbed Sample \circ

Water Sample Δ

Penetration Test \downarrow

c = Cohesion

ϕ = Angle of Internal Friction

m.c = Moisture Content

γ = Bulk Density

N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant