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TEST PIT: TPL-01

Project: Pioneer-Burdekin PHES

Location: Netherdale/Dalrymple Heights

Client: Queensland Hydro

Job No.: PS138693

Position: Netherdale

Coords: 660330.0 m E 7660567.0 m N MGA2020-55

Surface RL: 195.0 m AHD

Contractor: Twin Hills Engineering & Drilling

Machine: Backhoe Bucket Size: 600mm toothed

Sheet 1 of 1

Date: 31/8/2023

Logged: SB

Excavation				Sampling			Field Material Description											
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DCP TEST						
												Blows per 100 mm						
												0	5	10	15	20	25	
BH	F	Not Encountered	0.0	195.00	D 0.00-0.30 m PB-TPL-01-001			SM	TOPSOIL Silty SAND: fine to coarse grained, sub-rounded, brown grey, silt is low plasticity; with rootlets and roots.	w<PL	St							
			0.30	194.70	B 0.30-1.00 m PB-TPL-01-002			CH	Sandy CLAY: high plasticity, mottled grey orange brown, sand is fine to coarse grained; (RESIDUAL SOIL).		VSt							
			0.5		PP 0.50 m >600 kPa				St									
			1.0		PP 1.00 m =500 kPa				VSt									
			1.5		B 1.20-1.80 m PB-TPL-01-003 PP 1.30 m =550 kPa				St									
			1.80	193.20					VSt									
			2.0					SC	Clayey SAND: fine to coarse grained, mottled white and grey, pale brown, clay is medium plasticity; trace fine gravel; with boulders highly weathered of granite origin (EXTREMELY WEATHERED MATERIAL).		D	VD						
			2.5		B 2.30-2.60 m PB-TPL-01-004													
			2.90	192.10														
			3.0															
			3.5															
			4.0															
4.5																		
5.0																		
Hole Terminated at 2.90 m Refusal on inferred rock Backfilled																		
Comments												Checked GEM						
												Date 9/10/2024						

PPPHES LIB GLOB Log IS AUT TEST PIT 3C PIONEER_NIP_MASTER_20241007.GPJ <<DrawingFile>> 9/10/2024 17:36 10.03.00.09 Duggei Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Pit WSP 5.04.1 2023-06-14




TPL-01 - 1 Test pit excavation



TPL-01 - 2 Test pit excavated spoil

P:\PHSES\LIB\GLB_G4\74 PHOTO TEST PIT 2 PER PAGE AAP TPL-01.GPJ --DrawingFile-- 6/6/2024 16:53 10.03.00.09 D:\ppl\Lab and in Situ Tool - DGD Lib: WSP 5.07 2 2023-10-30 Pjt: WSP 5.04 1 2023-06-14

	TITLE Queensland Hydro Netherdale Pioneer-Burdekin Pumped Hydro Energy Storage TPL-01	DRAWN TH	DATE 6/06/2024
		CHECKED GEM	DATE 6/06/2024
		SCALE Not To Scale	A4
		PROJECT No PS138693	FIGURE No 1/1