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TEST PIT: TPL-13

Project: Pioneer-Burdekin PHES

Location: Netherdale/Dalrymple Heights

Client: Queensland Hydro

Job No.: PS138693

Position: Netherdale

Coords: 657764.7 m E 7661964.3 m N MGA2020-55

Surface RL: 195.2 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		Groundwater Not Encountered	0.0	195.18	D 0.00-0.30 m PB-TPL-13-001		SM	TOPSOIL Sandy SILT: low plasticity, brown grey, sand is fine to coarse grained; with coarse grained gravel.	w<PL	St						
				0.30	194.88	B 0.30-1.00 m PB-TPL-13-002		SM	Silty Gravelly SAND: fine to coarse grained, brown grey, gravel is fine to coarse grained, with up to 40 % cobbles and boulders up to 500 mm in diameter present in soil matrix; silt is low plasticity (ALLUVIUM).		MD						
				1.00	194.18	B 1.00-1.50 m PB-TPL-13-003		SW	Gravelly SAND: fine to coarse grained, brown grey and pale brown, gravel is fine to coarse grained, with up to 20% cobbles up to 200mm in diameter (ALLUVIUM).								
				1.5					increasing cobble proportion with depth								
				2.40	192.78	B 2.40-3.00 m PB-TPL-13-004		GW	Sandy GRAVEL: fine to coarse, well graded, sub-angular to sub-rounded, brown and grey, sand is fine to coarse grained, brown; with low plasticity silt; with highly weathered boulders (RESIDUAL SOIL).								
				3.40	191.78				Hole Terminated at 3.40 m Target depth Backfilled								
				3.5													
				4.0													
				4.5													
				5.0													

Comments

Checked GEM

Date 9/10/2024

PEPHES.LIB.GLB Log IS AUT TEST PIT 3C PIONEER_NIP_MASTER_NIP_MASTER_2024.007.GPJ <<DrawingFile>> 10/10/2024 09:30 10.03.00.09 D:\git\Lab and In Situ Tool - DGD [Lib: WSP 5.07.2 2023-10-30 Proj: WSP 5.04.1 2023-06-14




TPL-13 - 1 Test pit excavation



TPL-13 - 2 Test pit excavated spoil

P:\BPHE\LIB\G.L.B. G4\74 PHOTO TEST PIT 2 PER PAGE AAP TPL-13.GPJ --DrawingFile-- 6/6/2024 14:37 10.03.00.09 D:\ppl\Lab and in Situ Tool - DGD Lib: WSP 5.07 2 2023-10-30 Ppl: WSP 5.04 1 2023-06-14

	TITLE Queensland Hydro Netherdale Pioneer-Burdekin Pumped Hydro Energy Storage TPL-13	DRAWN TH	DATE 6/06/2024
		CHECKED GEM	DATE 6/06/2024
		SCALE Not To Scale	A4
		PROJECT No PS138693	FIGURE No 1/1