

Table 2
Soil Properties
Basis of Design Report for In Situ Solidification
Hempstead Former MGP Site

Boring No.	Depth (ft bgs)	IDENTIFICATION TESTS						
		Moisture Content (%)	USCS Symbol	Sieve Minus No. 200 (%)	Hydrometer Minus 2 μ (%)	Organic Content (Burnoff) (%)	Specific Gravity	Effective Grain Size (d_{10}) (mm)
HIMW - 01	36 - 38	9.8	---	1	---	0.8	2.64	0.38
HIMW - 02	26 - 28	2.9	---	5	---	0.3	2.64	0.20
	32 - 34	14.8	---	(see note)	---	0.1	2.71	0.25
HIMW - 06	24 - 26	4.0	---	3	---	0.6	2.66	0.23
	28 - 30	1.6	---	22	<1	0.6	2.65	0.052
HIMW - 11	26 - 28	5.0	---	6	---	0.6	2.72	0.17
GTB-101	4 - 7	28.6	CL	58.9	---	7.6	2.585	---
GTB-101	7 - 20	5.1	SP	2.2	---	0.5	1.159	---
GTB-101	20 - 40	7.4	SP	1.1	---	0.6	1.559	---

Boring No.	Depth (ft bgs)	Moisture Content (%)	USCS Symbol	IDENTIFICATION TESTS					
				Atterberg Limits			Grain Size Distribution (% passing)		
				Liquid Limit	Plastic Limit	Plasticity Index	#4 Sieve	#200 Sieve	0.005 mm Sieve
ISS-01	25 - 70	15.2	SP	NP	NP	NP	96.0	3.7	0.7
ISS-02	10 - 35	5.7	SP	NP	NP	NP	91.7	3.3	0.6
ISS-03	10 - 50	9.8	SP	NP	NP	NP	88.1	2.9	0.6
ISS-04	20 - 40	10.4	SP	NP	NP	NP	93.5	4.0	0.9

Notes:

- USCS symbol based on visual observation and Sieve reported.
- ft bgs feet below ground surface
- USCS Unified Soil Classification System
- d_{10} Diameter at which 10% of sample particles are finer and 90% are coarser
- mm millimeters
- NP non-plastic
- Not analyzed or determined
- HIMW-02 @ 32' -34' was reported in RI (table) as 23% minus No. 200 sieve. Corresponding boring log description and d_{10} value however implies that the minus No. 200 value should be much less such as < 5%.