



## Total and Effective Porosity Report (API RP40 and ASTM D6836m)

Job No: 287-266

Project No.: 1782792.002.001

Client: Golder Associates

Date: 4/25/18

Project Name: Hewitt Site

By: PJ

<b>Boring:</b>	LW-33	LW-33	LW-32	LW-32	LW-31	LW-31		
<b>Sample:</b>	1	6	5	20	14	30		
<b>Depth, ft:</b>	6-7.5	13.5-15	12-13.5	115-116	25.5-27	125-126.5		
<b>Visual Description:</b>	Olive CLAY	Dark Brown Clayey SAND	Grayish Brown Sandy SILT	Dark Gray Clayey SAND w/ Gravel	Gray Silty SAND	Greenish Gray Clayey SAND		
<b>Total Porosity, %</b>	51.3	32.1	35.6	38.1	35.1	32.0		
<b>Effective Porosity, %</b>	8.2	19.8	7.5	20.0	25.4	10.4		
<b>Air-filled Porosity, %</b>	6.9	19.3	4.7	0.1	22.4	0.0		
<b>Water-filled Porosity, %</b>	44.4	12.8	30.9	38.0	12.7	31.9		
<b>Specific Gravity</b>	2.78	2.73	2.85	2.65	2.79	2.73		
<b>Saturation, %</b>	86.5	40.0	86.7	99.8	36.1	99.9		
<b>Moisture, %</b>	32.7	6.9	16.8	23.2	7.0	17.2		
<b>Wet Unit wt, pcf</b>	112.5	123.9	133.8	126.2	121.0	136.1		
<b>Dry Unit wt, pcf</b>	84.8	115.9	114.6	102.5	113.1	116.1		
<b>Dry Unit wt, g/c</b>	1.36	1.85	1.83	1.64	1.81	1.86		
<b>Series</b>	1	2	3	4	5	6	7	8

Note: All reported values above are for the "as received" condition except for the effective porosity which is measured at a tension of 1/3 Bar.

