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ASTM D6938

REPORT NUMBER: **SHEET: 1 OF 1**

DENSITY & MOISTURE DETERMINATION REPORT

DATE: 3/17/2023

JOB NUMBER: 2022078G

PROJECT NAME: PW 7045 - WIGLE Phase II

LOCATION: 4th & Tuscola

GAUGE NUMBER: 33531

CLIENT: Hubbel Roth & Clark Inc.

OWNER: City of Detroit

CONTRACTOR:

PROJECT ENGINEER: Kevin Surhigh, P.E.

WEATHER: Cloudy

TEST PERFORMED ON:			SUBGRADE		SUBBASE		AGGREGATE BASE			x	BACKFILL		OTHER			
STRUCTURE:			Underground pipe backfill													
TEST			WET DENSITY		MOISTURE			DRY DENSITY			TEST LOCATION					
ORIGINAL	RETEST	DEPTH	DENSITY COUNTS	WET DENSITY	MOIST. COUNTS	MOIST.	MOIST.	DRY DENSITY	MAX DENSITY	COMPACT.	STATIONING/LOCATION		OFFSET OF CL (FT)		DBG (FT)	
		INCH	DC	PCF	MC	PCF	%	PCF	PCF	%			LEFT	RIGHT		
1		6	2076	117.3	95	8.4	7.7	109.0	114.6	95.1	2+80			6.0	1	
MAXIMUM DETERMINATION (FIELD) NOTE: To convert (g) to (lbs): Wt (g) / 453.59 = Wt. (lbs)											STANDARDIZATION					
TEST NUMBER	MOISTURE %	MOLD VOLUME (CFT)	WET SOIL + MOLD (g)	MOLD (g)	WET SOIL (g)	WET SOIL (lbs)	COMPACTED WET SOIL PCF	MAX DENSITY	OPTIMUM MOISTURE %	MATERIAL		DENSITY	MOISTURE			
											READING 1	1825	594			
1	7.7	0.0450	4434	1936	2498	5.51	122.4	114.6	13.6	Sand	READING 2	1817	593			
											READING 3	1820	592			
											READING 4	1810	594			
											OPERATING STANDARD (READING 5)					
											DENSITY		MOISTURE			
											1805		598			
MIN. COMPACTION REQUIRED:					100.0%				98.0%	x	95.0%		90.0%		OTHER	
MAXIMUM DRY DENSITY BY:				x	MICH. CONE				D1557		T-99		T-180		OTHER	
REMARKS:																

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