

**D.W. KOZERA, INC.**  
1408 Bare Hills Road  
Suite 200  
Baltimore, Maryland 21209  
(410) 823-1060 [phone]  
(410) 823-1062 [fax]

## LABORATORY REPORT LETTER OF TRANSMITTAL

September 11, 2023

Potts and Callahan

ATTN: Mr. Chris Collison (chrisc@pottscallahan.com)

RE: Pulaski Hwy. RC-6

DWK Contract No. 23163.C

Location: **Baltimore, Maryland**

We are enclosing:

Daily Field Reports

For your use

As requested

CC: Mr. Bill Cooke (billc@pottscallahan.com)  
Mr. Thomas Hind (thomash@pottscallahan.com)  
Mr. Ted Maddux (tedm@pottscallahan.com)

Mr. Michael Linzey (michaell@pottscallahan.com)  
Mr. Travis Holub (travish@pottscallahan.com)

ENCL:

Laboratory Report

09/07/23

Jay Kay Testing – Summary of Laboratory Testing (Modified Proctor)

*Matthew D. Kozera*

Matthew D. Kozera  
Construction Services Manager

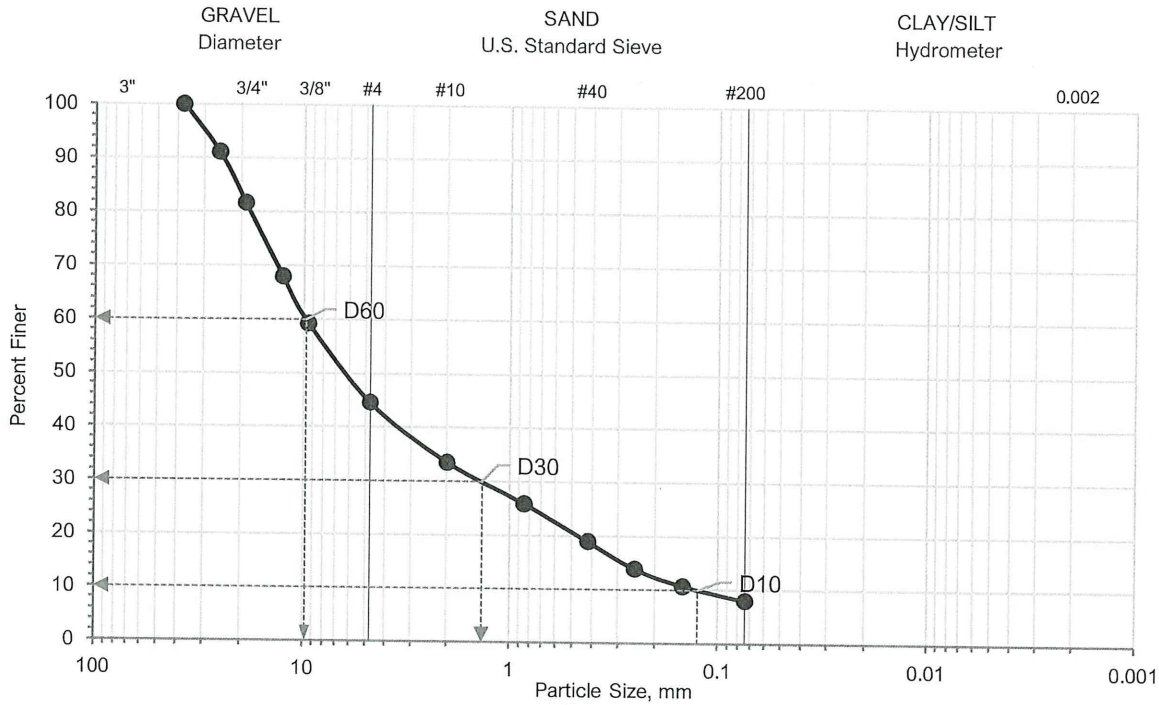




Boring ID	Sample ID	Top	Btm
BS-1M	Bulk	-	-

Location: Baltimore, MD

Sample Date: -

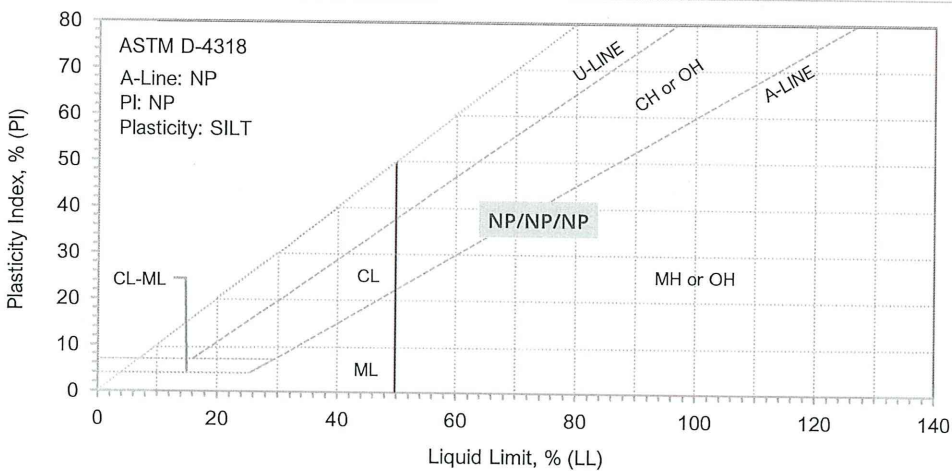


ASTM D-6913

Sieve	Size mm	Pass, %
-	-	-
6"	150.0	-
3"	75.0	-
2"	50.8	-
1.5"	37.5	100.0
1"	25.4	91.1
3/4"	19.0	81.6
1/2"	12.7	67.9
3/8"	9.51	59.3
#4	4.75	44.5
#10	2.00	33.5
#20	0.85	25.9
#40	0.42	18.9
#60	0.25	13.8
#100	0.147	10.6
#200	0.074	8.0

% Gravel			% Sand			
Coarse	Fine	Total	Coarse	Medium	Fine	Total
18.4	37.1	= 55.5	11.0	14.6	10.9	= 36.5

D10	0.1247		
D30	1.3539	CC	1.508
D60	9.7478	CU	78.16



Liquid Limit, % NP  
 Plastic Limit, % NP  
 Plasticity Index, % NP

USCS (D-2487)

**GW-GM**

AASHTO (M-145)

**A-1-a**

Soil Description (D-2487)

Dark gray well-graded GRAVEL with silt and sand

NMC	5.1%
OM	-
+ 3/8"	40.7%

Sample Type*	-
Data 2	-
Data 3	-

Data 4	-
Data 5	-
Data 6	-

# Potts & Callahan RC-6

Project Number: 23163.C



Boring ID	Sample ID	Top	Btm
BS-1M	Bulk	-	-

Location: Baltimore, MD

Sample Date: -

## Moisture-Density Relationship of Soils

### MODIFIED PROCTOR

Test Method: ASTM D-1557 (B)

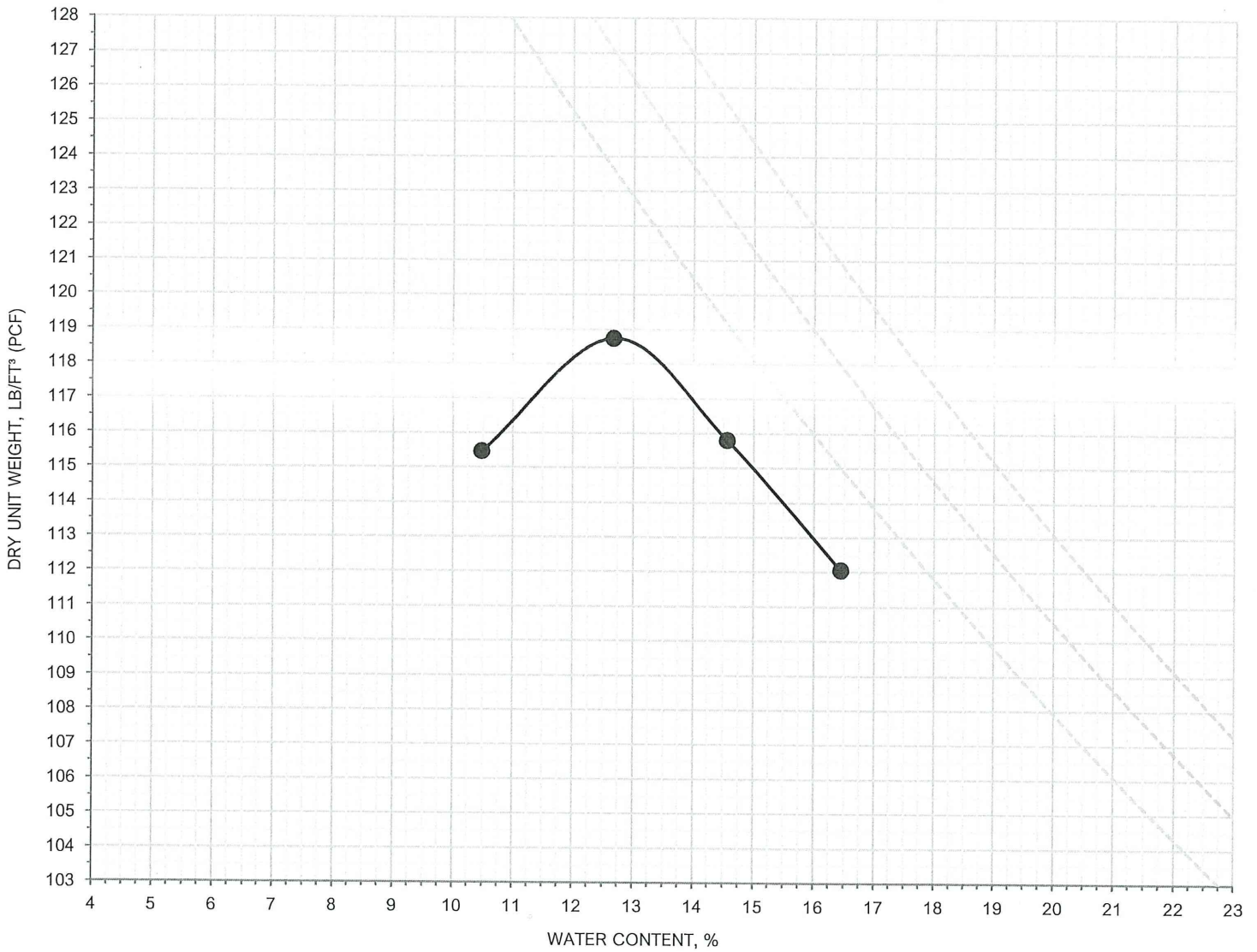
Percent oversize particles: 40.7%

Oversized particles sieve: 3/8-in.

Threshold for correction: > 5.0%

	Uncorrected	Corrected*	Maximum Dry Unit Weight	Optimum Water Content
Maximum dry unit weight, lb/ft <sup>3</sup>	118.7	133.3	133.3	8.3%
Optimum water content	12.7%	8.3%		

\*Corrected for 40.7% oversized particles retained on the 3/8-in. sieve.



Zero Air Voids (100% Saturation)

Zero air voids curves: 2.65, 2.75, 2.85

Bulk Specific Gravity (assumed): 2.60

NMC	LL	PL	PI	% Fines	USCS	AASHTO	Soil Description (D-2487)
5.1%	NP	NP	NP	8.0	GW-GM	A-1-a	Dark gray well-graded GRAVEL with silt and sand