

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY

PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Tetra Tech
 PROJECT: Highland Lake, Alabama
 FILE NO.: 15-13-0075

INCOMING SAMPLE NO.: ---
 BORING: --- SAMPLE: Brasher Bay
 DEPTH: --- ft; m
 LABORATORY IDENTIFICATION: 150075/BrasherBay
 SAMPLE DESCRIPTION: Brown silty fine sand with organics

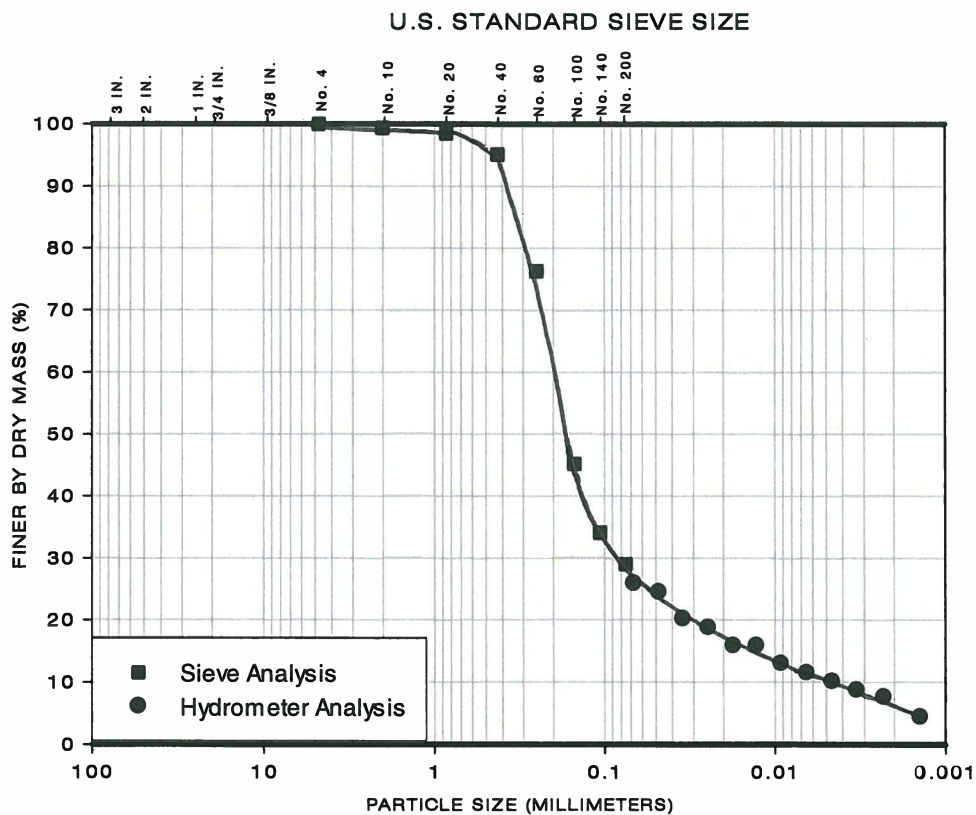
DATE SAMPLE RECEIVED: ---
 DATE TEST SET-UP: 06/30/15
 DATE REPORTED: 07/14/15

TEST PROCEDURES

ASTM Standard D422:
 Sieve Analysis
 Hydrometer Analysis
 Sieve & Hydrometer Analysis
 Other: _____

Dispersant Type: Sodium Hexametaphosphate
 Other _____
 Dispersion Device: Apparatus A Apparatus B
 Dispersion Period (hours): >24 hours

Water Content (%): 43.7
 Mass Dry Solids (grams): 69.68
 G_s: 2.65 Assumed
 Measured



GRAVEL		SAND			SILT	CLAY
COARSE	FINE	COARSE	MEDIUM	FINE		

Percent Finer (dry mass basis)

Sieve Analysis										Hydrometer Analysis		
Gravel		Coarse Sand	Medium Sand		Fine Sand					Silt	Clay	
3/4"	3/8"	No. 4	No. 10	No. 20	No. 40	No. 60	No. 100	No. 140	No. 200	0.005 mm	0.002 mm	0.001 mm
100	100	100	99.4	98.5	95.1	76.3	45.2	34.1	29.0	10.3	6.4	3.1

The test data and all associated project information presented here on shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Checked By: TM Date: 07/14/15

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PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Tetra Tech
 PROJECT: Highland Lake, Alabama
 FILE NO.: 15-13-0075

DATE SAMPLE RECEIVED: ---
 DATE TEST SET-UP: 06/30/15
 DATE REPORTED: 07/14/15

INCOMING SAMPLE NO.: ---
 BORING: --- SAMPLE: Sand Bay
 DEPTH: --- ft; m
 LABORATORY IDENTIFICATION: 150075/SandBay
 SAMPLE DESCRIPTION: Brown silty fine sand with organics

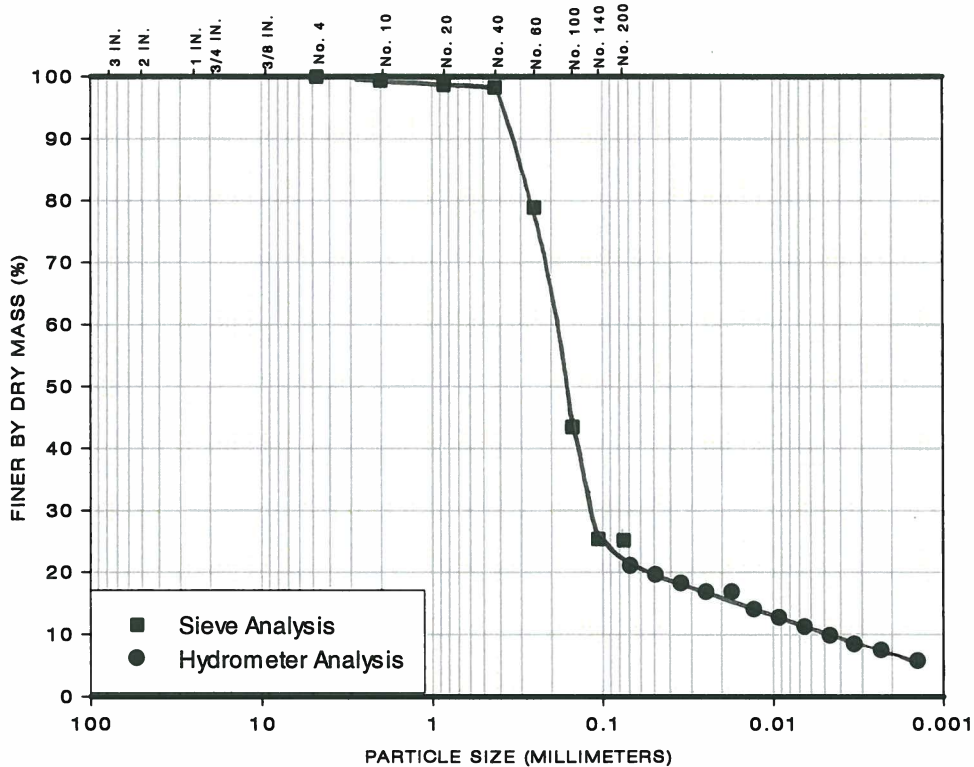
TEST PROCEDURES

ASTM Standard D422:
 Sieve Analysis
 Hydrometer Analysis
 Sieve & Hydrometer Analysis
 Other: _____

Dispersant Type: Sodium Hexametaphosphate
 Other _____
 Dispersion Device: Apparatus A Apparatus B
 Dispersion Period (hours): >24 hours

Water Content (%): 40.1
 Mass Dry Solids (grams): 71.71
 G_s: 2.65 Assumed
 Measured

U.S. STANDARD SIEVE SIZE



GRAVEL		SAND			SILT	CLAY
COARSE	FINE	COARSE	MEDIUM	FINE		

Percent Finer (dry mass basis)

Sieve Analysis										Hydrometer Analysis		
Gravel		Coarse Sand	Medium Sand		Fine Sand					Silt	Clay	
3/4"	3/8"	No. 4	No. 10	No. 20	No. 40	No. 60	No. 100	No. 140	No. 200	0.005 mm	0.002 mm	0.001 mm
100	100	100	99.4	98.7	98.3	78.9	43.5	25.4	25.2	10.0	6.7	5.0

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Checked By: TM Date: 07/14/15
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