

COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

<b>AS DEFINED BY NCDOT</b>		Fine Sand	< 0.25 mm and > 0.053 mm
Gravel	< 75 mm and > 2.00 mm	Silt	< 0.053 mm and > 0.005 mm
Coarse Sand	< 2.00 mm and > 0.25 mm	Clay	< 0.005 mm

Test Boring: **B2-B**      Station: 24+24.8      Offset: 2.2 ft RT      Depth: 0.0 - 1.5 ft

Soil Description: **GRAY FINE SANDY SILTY CLAY**  
A-6 (16)

Moisture Content: <b>52.2</b>	SOIL MORTAR	TOTAL SAMPLE	Liquid Limit: <b>36</b>
Specific Gravity: <b>2.65</b>	Coarse Sand: <b>0</b>	<b>0</b>	Plastic Limit: <b>19</b>
Cc	Fine Sand: <b>17</b>	<b>17</b>	Plasticity Index: <b>17</b>
Cu	Silt: <b>41</b>	<b>41</b>	% Passing #270: <b>83</b>
Maximum Particle Size: <b>2</b>	Clay: <b>42</b>	<b>42</b>	% Organic Content: <b>NM</b>

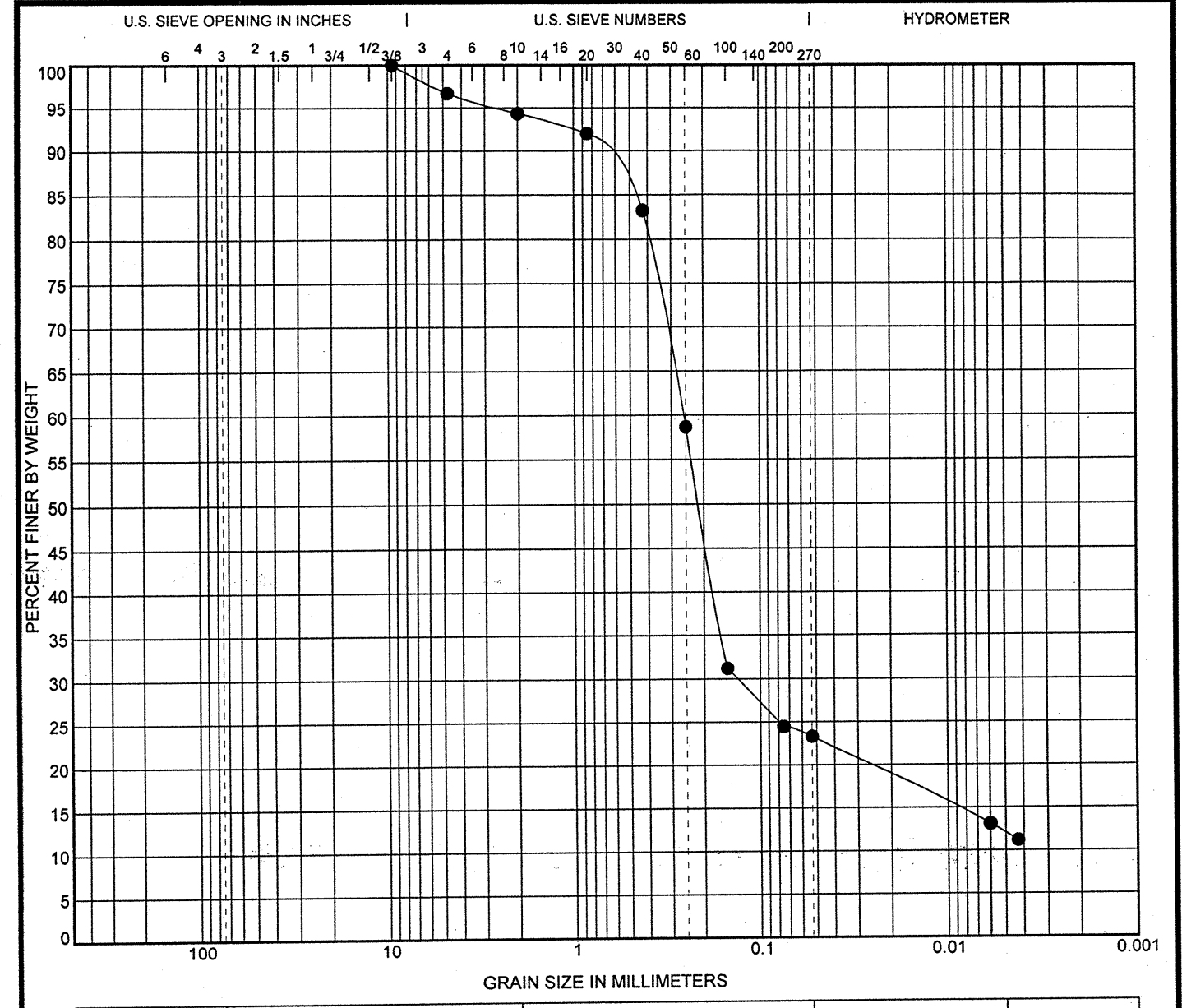
**ENGINEERING • TESTING ENVIRONMENTAL SERVICES**

3109 Spring Forest Rd  
Raleigh, NC 27616  
(919) 872-2660  
(919) 876-3958 fax  
www.smeinc.com

**GRAIN SIZE DISTRIBUTION**

Replacement of Bridge No. 7 on N.C. 615 Over  
Corey's Ditch

TIP No. B-3445 STATE PROJECT NO. 8.1040601  
FEDERAL I.D. NO.  
CURRITUCK COUNTY, NORTH CAROLINA



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

<b>AS DEFINED BY NCDOT</b>		Fine Sand	< 0.25 mm and > 0.053 mm
Gravel	< 75 mm and > 2.00 mm	Silt	< 0.053 mm and > 0.005 mm
Coarse Sand	< 2.00 mm and > 0.25 mm	Clay	< 0.005 mm

Test Boring: **B3-B**      Station: 24+73.7      Offset: 4.7 ft RT      Depth: 3.7 - 5.2 ft

Soil Description: **GRAY CLAYEY SILTY FINETO COARSE SAND**  
A-2-4 (0)

Moisture Content: <b>NM</b>	SOIL MORTAR	TOTAL SAMPLE	Liquid Limit: <b>13</b>
Specific Gravity: <b>2.65</b>	Coarse Sand: <b>38</b>	<b>35</b>	Plastic Limit: <b>NP</b>
Cc	Fine Sand: <b>38</b>	<b>36</b>	Plasticity Index: <b>NP</b>
Cu	Silt: <b>11</b>	<b>11</b>	% Passing #270: <b>23</b>
Maximum Particle Size: <b>9.5</b>	Clay: <b>13</b>	<b>12</b>	% Organic Content: <b>NM</b>

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