







**REPORT OF SOILS FIELD COMPACTION TESTING**

**CLIENT:** Ludlow Construction Co., Inc.  
 19 Carmelina's Circle  
 Ludlow, MA 01056  
 Attn: Mr. Mike Pio

**PROJECT:** Durham Meadows Waterline  
 Durham, CT

**DATE:** April 17, 2020

**REPORT #:** 19-75-012-044 Page 3 of 5

**General Location:** South Main Street (Route 17), Waterline Trench (Refer to attached photo for location)  
**Field Rep:** Stephen Devlin  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 52°F  
**Weather:** Sunny  
**Soil ID#:** 3519-608  
**Soil Type:** Light Gray Gravel w/ Silt & Sand (1.5" Gravel)  
**Proctor Sample Source:** Haynes Group

**Proctor Value:** 138.9 lbs/ft<sup>3</sup>      **Optimum Moisture:** 7.8%  
**Gauge Type:** Troxler 3430      **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
16	6"/ 1.0' BFG	4.5%	136.9	98.6%
<b>LOCATION:</b>	Station #160+10			
17	6"/ 6" BFG	5.1%	136.0	97.9%
<b>LOCATION:</b>	Station #160+20			
18	6"/ 1.0' BFG	5.2%	135.1	97.3%
<b>LOCATION:</b>	Station #160+30			
19	6"/ 6" BFG	4.1%	134.6	96.9%
<b>LOCATION:</b>	Station #160+30			
20	6"/ 1.0' BFG	4.1%	134.2	96.6%
<b>LOCATION:</b>	Station #160+65			
21	6"/ 6" BFG	4.8%	135.7	97.7%
<b>LOCATION:</b>	Station #160+70			
22	6"/ 1.0' BFG	5.1%	136.4	98.2%
<b>LOCATION:</b>	Station #160+85			
23	6"/ 6" BFG	6.1%	135.3	97.4%
<b>LOCATION:</b>	Station #160+85			

**REMARKS:** BFG - Below Finish Grade (Base Course for Asphalt)



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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
24	6"/ 1.0' BFG	4.9%	135.4	97.5%
<b>LOCATION:</b>	Station #160+10			
25	6"/ 6" BFG	5.9%	136.8	98.5%
<b>LOCATION:</b>	Station #161+05			
<b>LOCATION:</b>				
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