



**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 30, 2020

**REPORT #:** 19-75-012-051 Page 1 of 2

**General Location:** South Main Street (Route 17), Waterline Trench (Station #172+40 (30) - Station #174+15)  
**Field Rep:** Stephen Devlin  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 46°F  
**Weather:** Occasional Rain  
**Soil ID#:** 3519-592  
**Soil Type:** Light Gray Gravel w/ Sand & Silt  
**Proctor Sample Source:** Haynes Group

**Proctor Value:** 141.4 **lbs/ft<sup>3</sup>** **Optimum Moisture:** 4.6%  
**Gauge Type:** Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	6"/ 3.5' BFG	4.0%	138.9	98.2%
<b>LOCATION:</b>	Station #174+30			
2	8"/ 2.0' BFG	3.5%	137.6	97.3%
<b>LOCATION:</b>	Station #174+35			
<b>LOCATION:</b>				

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

Due to rain, testing was only performed on the first 3 lifts placed.



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**General Location:** South Main Street (Route 17), Waterline Trench (Station #174-15 (23) - Station #174+40)  
**Field Rep:** Stephen Devlin  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 46°F  
**Weather:** Occasional Rain  
**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 (%)
3	6"/ 18" BFG	3.0%	138.0	99.4%
<b>LOCATION:</b>	Station #174+25			
4	6"/ 4" BFG	3.9%	135.8	97.8%
<b>LOCATION:</b>	Station #174+35			
<b>LOCATION:</b>				

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

Due to rain, testing was only performed on the first 3 lifts placed.