



**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 1, 2020

**REPORT #:** 19-75-012-040 Page 1 of 2

**General Location:** Intersection of South Main Street & Royal Oak Drive, Waterline Trench  
**Field Rep:** Stephen Sturges  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 40°F  
**Weather:** Clear  
**Soil ID#:** 3519-600  
**Soil Type:** Reddish Brown Silty Sand w/ Gravel  
**Proctor Sample Source:** On-Site

**Proctor Value:** 136.3      **lbs/ft<sup>3</sup>**      **Optimum Moisture:** 6.6%  
**Gauge Type:** Troxler 3430      **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	12"/ 44.0" BFG	4.8%	130.9	96.0%
<b>LOCATION:</b>	Intersection of South Main Street & Royal Oak Drive			
2	12"/ 32.0" BFG	5.0%	131.9	96.8%
<b>LOCATION:</b>	Intersection of South Main Street & Royal Oak Drive			
3	12"/ 20.0" BFG	5.3%	131.1	96.2%
<b>LOCATION:</b>	Intersection of South Main Street & Royal Oak Drive			
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**REMARKS:** BFG - Below Finish Grade  
 Station Numbers were not available



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**Field Rep:** Stephen Sturges  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 40°F  
**Weather:** Clear  
**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 (%)
4	6"/ 16.0" BFG	3.3%	135.3	97.4%
<b>LOCATION:</b> Intersection of South Main Street & Royal Oak Drive				
5	12"/ 4.0" BFG	4.0%	134.6	96.9%
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