



**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:** June 25, 2020

**REPORT #:** 19-75-012-082 Page 1 of 3

**General Location:** Maiden Lane, Waterline Trench  
**Field Rep:** Gregory Vachon  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 81°F  
**Weather:** Cloudy  
**Soil ID#:** 3520-218  
**Soil Type:** Dark brown clayey sand w/ gravel (Bankroll clay/silt)  
**Proctor Sample Source:** On site

**Proctor Value:** 131.3      **lbs/ft<sup>3</sup>**      **Optimum Moisture:** 8.7%  
**Gauge Type:** Troxler 3430      **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	6"/ 42" BFG	3.4%	127.4	97.0%
<b>LOCATION:</b>	Station #403+20			
2	6"/ 32" BFG	2.5%	128.1	97.6%
<b>LOCATION:</b>	Station #403+20			
3	6"/ 22"BFG	2.5%	127.7	97.3%
<b>LOCATION:</b>	Station #403+20			
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				

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



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**General Location:** Maiden Lane, Waterline Trench  
**Field Rep:** Gregory Vachon  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 81°F  
**Weather:** Cloudy  
**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"/ 12" BFG	1.6%	132.7	95.5%
<b>LOCATION:</b>	Station #403+20			
5	6"/ 4" BFG	1.5%	133.3	96.0%
<b>LOCATION:</b>	Station #403+20			
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**REMARKS:** BFG - Below Finish Grade (Base Course for Asphalt)



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**General Location:** Talcott Ridge Road, Water Tank Base  
**Field Rep:** Gregory Vachon  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 81°F  
**Weather:** Cloudy  
**Soil ID#:** 3520-323  
**Soil Type:** Reddish brown silty sand w/ gravel (Native material)  
**Proctor Sample Source:** On site

**Proctor Value:** 139.0 **lbs/ft<sup>3</sup>**      **Optimum Moisture:** 6.2%  
**Gauge Type:** Troxler 3430      **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
6	12"/ 436.0'	2.6%	128.8	92.7%
<b>LOCATION:</b>	Northeast quadrant			
7	12"/ 436.0'	3.8%	127.5	91.7%
<b>LOCATION:</b>	Northeast quadrant			
8	6"/ 437.0'	3.5%	125.6	90.4%
<b>LOCATION:</b>	Northwest quadrant			
9	6"/ 437.0'	4.3%	124.5	89.6%
<b>LOCATION:</b>	Northwest quadrant			
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				

**REMARKS:**