



**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 3, 2020

**REPORT #:** 19-75-012-072A Page 1 of 3

**General Location:** South Main Street (Route 17) & Middlefield Road  
**Field Rep:** Nicholas Lisowski  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 70°F  
**Weather:** Sunny  
**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"/ 24" BFG	1.4%	139.7	98.8%
<b>LOCATION:</b> Station #164+00				
2	6"/ 32" BFG	1.6%	136.7	96.7%
<b>LOCATION:</b> Station #164+00				
3	6"/ 32" BFG	1.7%	137.2	97.0%
<b>LOCATION:</b> Station #164+00				
4	6"/ 24" BFG	1.5%	135.2	95.6%
<b>LOCATION:</b> Station #164+25				
5	6"/ 32" BFG	1.5%	138.9	98.2%
<b>LOCATION:</b> Station #164+25				
6	6"/ 40" BFG	1.3%	139.1	98.4%
<b>LOCATION:</b> Station #164+25				
7	6"/ 24" BFG	1.2%	137.0	96.9%
<b>LOCATION:</b> Station #164+50				
8	6"/ 32" BFG	1.9%	136.8	96.7%
<b>LOCATION:</b> Station #164+50				

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



**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 3, 2020

**REPORT #:** 19-75-012-072A Page 2 of 3

**General Location:** South Main Street (Route 17) & Middlefield Road  
**Field Rep:** Nicholas Lisowski  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 70°F  
**Weather:** Sunny  
**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 (%)
9	6"/ 24" BFG	1.8%	135.8	96.0%
<b>LOCATION:</b>	Station #16+50			
10	6"/ 32" BFG	2.0%	136.3	96.4%
<b>LOCATION:</b>	Station #128+31			
11	6"/ 32" BFG	2.6%	134.6	95.2%
<b>LOCATION:</b>	Station #128+31			
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				
<b>LOCATION:</b>				

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



**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 3, 2020

**REPORT #:** 19-75-012-072A Page 3 of 3

**General Location:** South Main Street (Route 17) & Middlefield Road  
**Field Rep:** Nicholas Lisowski  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 70°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 (%)
12	6"/ 24" BFG	1.6%	139.4	100.0+
<b>LOCATION:</b>	Station #164+00			
13	6"/ 32" BFG	1.7%	137.8	99.2%
<b>LOCATION:</b>	Station #164+00			
14	6"/ 32" BFG	1.9%	135.9	97.8%
<b>LOCATION:</b>	Station #164+25			
15	6"/ 24" BFG	1.8%	136.5	98.3%
<b>LOCATION:</b>	Station #164+25			
16	6"/ 32" BFG	1.6%	137.9	99.3%
<b>LOCATION:</b>	Station #164+50			
17	6"/ 40" BFG	2.0%	136.9	98.6%
<b>LOCATION:</b>	Station #164+50			
18	6"/ 24" BFG	1.9%	133.5	96.1%
<b>LOCATION:</b>	Station #128+31			
19	6"/ 32" BFG	1.9%	132.5	95.4%
<b>LOCATION:</b>	Station #128+31			

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