



## 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 23, 2020

**REPORT #:** 19-75-012-081 Page 1 of 4

**General Location:** Route 68, Waterline Trench

**Field Rep:** Stephen Sturges

**General Contractor:** Ludlow Construction Co., Inc.

**Earthwork Contractor:** Ludlow Construction Co., Inc.

**Air Temp:** 88°F

**Weather:** Sunny/ Clear

**Soil ID#:** 3519-592

**Soil Type:** Light Gray Gravel w/ Sand & Silt (3.5" Gravel)

**Proctor Sample Source:** Haynes Group

**Proctor Value:** 141.4      **lbs/ft<sup>3</sup>**

**Optimum Moisture:** 4.6%

**Gauge Type:** Troxler 3440

**Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	12"/ Lift #1	3.0%	137.6	97.3%
<b>LOCATION:</b> Station #920+80				
2	12"/ Lift #2	2.2%	138.3	97.8%
<b>LOCATION:</b> Station #920+80				
3	12"/ Lift #1	2.6%	138.2	97.7%
<b>LOCATION:</b> Station #920+69				
4	12"/ Lift #2	3.3%	137.7	97.4%
<b>LOCATION:</b> Station #920+69				
<b>LOCATION:</b>				

**REMARKS:**



## 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 23, 2020

**REPORT #:** 19-75-012-081 Page 2 of 4

**General Location:** Route 68, Waterline Trench

**Field Rep:** Stephen Sturges

**General Contractor:** Ludlow Construction Co., Inc.

**Earthwork Contractor:** Ludlow Construction Co., Inc.

**Air Temp:** 88°F

**Weather:** Sunny/ 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 3440

**Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
5	8"/ Lift #1	2.4%	135.5	97.6%
LOCATION:	Station #920+80			
6	8"/ Lift #2	2.8%	135.9	97.8%
LOCATION:	Station #920+80			
7	8"/ Lift #1	3.1%	136.7	98.4%
LOCATION:	Station #920+69			
8	8"/ Lift #2	1.9%	136.0	97.9%
LOCATION:	Station #920+69			
LOCATION:				

**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 23, 2020

**REPORT #:** 19-75-012-081 Page 3 of 4

**General Location:** Maiden Lane, Waterline Trench  
**Field Rep:** Stephen Sturges  
**General Contractor:** Ludlow Construction Co., Inc.  
**Earthwork Contractor:** Ludlow Construction Co., Inc.  
**Air Temp:** 88°F  
**Weather:** Sunny/ 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 3440      **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
9	10"/ 4" BFG	1.9%	133.0	95.8%
<b>LOCATION:</b> Station #412+50				
<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 23, 2020

**REPORT #:** 19-75-012-081 Page 4 of 4

**General Location:** Talcott Ridge Road, Water Tank Base

**Field Rep:** Stephen Sturges

**General Contractor:** Ludlow Construction Co., Inc.

**Earthwork Contractor:** Ludlow Construction Co., Inc.

**Air Temp:** 88°F

**Weather:** Sunny/ Clear

**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 3440

**Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
10	12"/ 436.0'	1.9%	127.7	97.3%
LOCATION:	Center of Base			
11	12"/ 437.0'	5.3%	129.2	98.4%
LOCATION:	Center of Base			
LOCATION:				

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