



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 10, 2020

REPORT #: 19-75-012-042 Page 1 of 3

General Location: South Main Street (Route 17) & Talcott Ridge Road, Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 38°F
Weather: Overcast
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/ft³ **Optimum Moisture:** 7.8%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	12"/ 32.0" BFG	4.5%	134.8	97.0%
LOCATION:	Station #100+20			
2	12"/ 20.0" BFG	4.4%	133.6	96.2%
LOCATION:	Station #100+20			
3	12"/ 8.0" BFG	4.2%	134.7	97.0%
LOCATION:	Station #100+20			
4	4"/ 4.0" BFG	3.8%	135.3	97.4%
LOCATION:	Station #100+20			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade



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General Location: Shared Driveway (3 house), Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 38°F
Weather: Overcast
Soil ID#: 3519-600
Soil Type: Reddish Brown Silty Sand w/ Gravel
Proctor Sample Source: On-Site

Proctor Value: 136.3 lbs/ft³

Optimum Moisture: 6.6%

Gauge Type: Troxler 3430

Required Compaction: 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
5	12" / 5.0' BFG	13.4%	130.3	95.6%
LOCATION:	Station 15+84			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
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LOCATION:				
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General Location: Shared Driveway (3 house), Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 38°F
Weather: Overcast
Soil ID#: 3519-592
Soil Type: Light Gray Gravel w/ Sand & Silt
Proctor Sample Source: Haynes Group

Proctor Value: 141.4 lbs/ft³

Optimum Moisture: 4.6%

Gauge Type: Troxler 3430

Required Compaction: 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
6	12"/ 4.0' BFG	4.4%	136.0	96.2%
LOCATION:	Station 15+84			
7	12"/ 3.0' BFG	4.4%	141.0	99.7%
LOCATION:	Station 15+84			
8	12"/ 1.5' BFG	5.1%	136.1	96.3%
LOCATION:	Station 15+84			
LOCATION:	.			
LOCATION:				
LOCATION:				
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