



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 10, 2020 **REPORT #:** 19-75-012-075 Page 1 of 4

General Location: South Main Street (Route 17), Waterline Trench
Field Rep: Tiffany Floria
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Partly 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/ft³** **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" / 3.0'BFG	7.9%	125.4	95.5%
LOCATION:	Station #141.75			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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



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REPORT #: 19-75-012-075 Page 2 of 4

General Location: Route 68, Waterline Trench
Field Rep: Tiffany Floria
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Partly Cloudy
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/ft³** **Optimum Moisture:** 4.6%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
2	6"/ 42" BFG	2.6%	137.7	97.4%
LOCATION:	Station #600+25, Right			
3	6"/ 32" BFG	2.7%	139.3	98.5%
LOCATION:	Station #600+25, Right			
4	6"/ 22" BFG	2.5%	134.5	95.1%
LOCATION:	Station #600+25, Right			
5	6"/ 42" BFG	2.4%	134.4	95.0%
LOCATION:	Station #600+60, Right			
6	6"/ 32" BFG	2.8%	135.0	95.5%
LOCATION:	Station #600+60, Right			
7	6"/ 22" BFG	2.6%	135.9	96.1%
LOCATION:	Station #600+60, Right			
LOCATION:				
LOCATION:				

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



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General Location: Route 68, Waterline Trench
Field Rep: Tiffany Floria
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Partly 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/ft³ **Optimum Moisture:** 7.8%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
8	6"/ 12" BFG	1.9%	132.5	95.4%
LOCATION:	Station #600+25, Right			
9	6"/ 4" BFG	1.8%	133.6	96.2%
LOCATION:	Station #600+25, Right			
10	6"/ 12" BFG	1.7%	132.6	95.5%
LOCATION:	Station #600+50, Right			
11	6"/ 4" BFG	1.6%	132.0	95.0%
LOCATION:	Station #600+50, Right			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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REPORT #: 19-75-012-075 Page 4 of 4

General Location: Intersection South Main Street (Route 17), Waterline Trench
Field Rep: Tiffany Floria
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Partly 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/ft³** **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"/ 2.0'	2.1%	137.6	99.1%
LOCATION:	Station #141+75			
13	6"/ 1.0' BFG	1.4%	132.5	95.4%
LOCATION:	Station #141+75			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
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