



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: August 17, 2020

REPORT #: 19-75-012-091 Page 1 of 4

General Location: Maple Street and Durham Court (Station #911+00 - Station #907+50)
Field Rep: Gregory Vachon
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 73°F
Weather: Mostly Sunny
Soil ID#: 3519-600
Soil Type: Reddish brown sand with 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 (%)
1	6"/ 42" BFG	3.9%	134.2	98.5%
LOCATION:	Station #909+50			
2	6"/ 42" BFG	5.8%	130.8	96.0%
LOCATION:	Station #908+50			
3	6"/ 32" BFG	4.5%	133.2	97.7%
LOCATION:	Station #909+50			
4	6"/ 32" BFG	6.5%	131.9	96.8%
LOCATION:	Station #908+50			
5	6"/ 22" BFG	4.2%	135.4	99.3%
LOCATION:	Station #909+50			
6	6"/ 22" BFG	6.3%	131.4	96.4%
LOCATION:	Station #908+50			
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade



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General Location: Maple Street and Durham Court (Station #911+00 - Station #907+50)
Field Rep: Gregory Vachon
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 73°F
Weather: Mostly 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/ft³ **Optimum Moisture:** 4.6%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
7	6"/ 12" BFG	2.3%	134.8	97.0%
LOCATION: Station #911+00				
8	6"/ 4" BFG	2.8%	134.2	96.6%
LOCATION: Station #911+00				
9	6"/ 12" BFG	1.8%	137.8	99.2%
LOCATION: Station #910+50				
10	6"/ 4" BFG	1.6%	137.5	99.0%
LOCATION: Station #910+50				
11	6"/ 12" BFG	2.5%	136.0	97.9%
LOCATION: Station #910+00				
12	6"/ 4" BFG	2.3%	136.8	98.5%
LOCATION: Station #910+00				
13	6"/ 12" BFG	2.4%	133.5	96.1%
LOCATION: Station #909+50				
14	6"/ 4" BFG	2.1%	134.1	96.5%
LOCATION: Station #909+50				

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General Location: Maple Street and Durham Court (Station #911+00 - Station #907+50)
Field Rep: Gregory Vachon
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 73°F
Weather: Mostly 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/ft³ **Optimum Moisture:** 4.6%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
15	6"/ 12" BFG	1.9%	132.8	95.6%
LOCATION:	Station #908+50			
16	6"/ 4" BFG	2.2%	132.4	95.3%
LOCATION:	Station #908+50			
17	6"/ 12" BFG	1.6%	132.7	95.5%
LOCATION:	Station #907+50			
18	6"/ 4" BFG	1.7%	133.6	96.2%
LOCATION:	Station #907+50			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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REPORT #: 19-75-012-091 Page 4 of 4

General Location: South Main Street (Route 17), Waterline Trench
Field Rep: Gregory Vachon
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 73°F
Weather: Mostly 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/ft³** **Optimum Moisture:** 4.6%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
19	6"/ 12" BFG	1.8%	131.9	95.0%
LOCATION:	Station #177+56			
20	6"/ 4" BFG	1.9%	132.2	95.2%
LOCATION:	Station #177+56			
21	6"/ 12" BFG	2.4%	132.0	95.0%
LOCATION:	Station #184+39			
22	6"/ 4" BFG	2.1%	132.3	95.2%
LOCATION:	Station #184+39			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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