



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: October 30, 2019

REPORT #: 19-75-012-024 Page 1 of 5

General Location: South Main Street, Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 62°F
Weather: Night/ Rain
Soil ID#: 3519-592
Soil Type: Light Grey 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 (%)
1	12"/ 44.0" BFG	3.0%	137.5	97.2%
LOCATION:	Station #136+76			
2	12"/ 44.0" BFG	4.4%	137.2	97.0%
LOCATION:	Station #137+01			
3	12"/ 44.0" BFG	4.9%	135.9	96.1%
LOCATION:	Station #137+26			
4	12"/ 44.0" BFG	5.0%	136.0	96.2%
LOCATION:	Station #137+51			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade
 Crew Finished at Station #137+72



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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
5	12"/ 32.0" BFG	4.8%	137.9	97.5%
LOCATION:	Station #136+76			
6	12"/ 32.0" BFG	5.3%	138.0	97.6%
LOCATION:	Station #137+01			
7	12"/ 32.0" BFG	5.0%	138.3	97.8%
LOCATION:	Station #137+26			
8	12"/ 32.0" BFG	4.3%	138.1	97.7%
LOCATION:	Station #137+51			
LOCATION:				
LOCATION:				
LOCATION:				
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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
9	12"/ 20.0" BFG	5.6%	137.6	97.3%
LOCATION:	Station #136+76			
10	12"/ 20.0" BFG	5.3%	138.2	97.7%
LOCATION:	Station #137+01			
11	12"/ 20.0" BFG	4.4%	137.7	97.4%
LOCATION:	Station #137+26			
12	12"/ 20.0" BFG	4.8%	136.9	96.8%
LOCATION:	Station #137+51			
LOCATION:				
LOCATION:				
LOCATION:				
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General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 62°F
Weather: Night/ Rain
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 (%)
13	8"/ 12.0" BFG	5.0%	134.4	96.8%
LOCATION:	Station #136+76			
14	8"/ 12.0" BFG	4.4%	134.6	96.9%
LOCATION:	Station #137+01			
15	8"/ 12.0" BFG	4.0%	135.5	97.6%
LOCATION:	Station #137+26			
16	8"/ 12.0" BFG	5.7%	134.9	97.1%
LOCATION:	Station #137+51			
LOCATION:				
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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
17	8"/ 4.0" BFG	5.1%	134.5	96.8%
LOCATION:	Station #136+76			
18	8"/ 4.0" BFG	3.8%	134.9	97.1%
LOCATION:	Station #137+01			
19	8"/ 4.0" BFG	5.6%	135.4	97.5%
LOCATION:	Station #137+26			
20	8"/ 4.0" BFG	4.7%	135.7	97.7%
LOCATION:	Station #137+51			
LOCATION:				
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