



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 31, 2020

REPORT #: 19-75-012-097 Page 1 of 3

General Location: South Main Street (Route 17)
Field Rep: Hunter Davis
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 75°F
Weather: Partly Cloudy
Soil ID#: 3520-218
Soil Type: Dark brown clayey sand with 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	10" / 3.0' BFG	11.7%	127.7	97.3%
LOCATION:	Station #931+25			
2	10" / 2.0' BFG	8.1%	131.4	100.0+
LOCATION:	Station #931+25			
3	10" / 1.0' BFG	9.5%	127.0	96.7%
LOCATION:	Station #931+25			
4	10" / 3.0' BFG	10.2%	131.0	99.8%
LOCATION:	Station #928+50			
5	10" / 2.0' BFG	10.9%	128.2	97.6%
LOCATION:	Station #928+50			
6	10" / 1.0' BFG	9.7%	129.3	98.5%
LOCATION:	Station #928+50			
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade



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Field Rep: Hunter Davis
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 75°F
Weather: Partly Cloudy
Soil ID#: 3519-608
Soil Type: Light gray gravel with silt and sand
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 (%)
7	8"/ 4.0' BFG	5.0%	132.3	95.2%
LOCATION:	Station #198+10			
8	8"/ 4" BFG	2.5%	134.0	96.5%
LOCATION:	Station #198+10			
9	8"/ 3.0' BFG	4.3%	135.1	97.3%
LOCATION:	Station #924+50			
10	8"/ 2.0' BFG	3.7%	133.8	96.3%
LOCATION:	Station #924+50			
11	8"/ 1.0' BFG	5.6%	134.2	96.6%
LOCATION:	Station #924+50			
12	8"/ 4" BFG	6.2%	135.1	97.3%
LOCATION:	Station #924+50			
13	8"/ 4" BFG	6.7%	133.9	96.4%
LOCATION:	Station #924+00			
LOCATION:				

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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 (%)
14	8" / 4" BFG	1.8%	134.4	96.8%
LOCATION:	Station #202+45			
15	8" / 4" BFG	3.1%	132.5	95.4%
LOCATION:	Station #202+77			
16	8" / 4" BFG	1.9%	133.4	96.0%
LOCATION:	Station #204+36			
17	8" / 4" BFG	1.4%	137.2	98.8%
LOCATION:	Station #205+56			
18	8" / 3" BFG	1.2%	136.0	97.9%
LOCATION:	Station #931+25			
19	8" / 3" BFG	2.0%	133.7	96.3%
LOCATION:	Station #930+50			
20	8" / 3" BFG	2.2%	132.5	95.4%
LOCATION:	Station #929+00			
21	8" / 3" BFG	1.8%	134.5	96.8%
LOCATION:	Station #928+50			

REMARKS: BFG - Below Finish Grade (Top of Asphalt)