



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 14, 2020

REPORT #: 19-75-012-043 Page 1 of 4

General Location: South Main Street (Route 17), Waterline Trench (Refer to attached photo for location)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 49°F
Weather: Sunny
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 (%)
1	6" / 3.5' BFG	7.0%	135.6	95.9%
LOCATION:	Station #751+55			
2	6" / 2.8' BFG	6.1%	137.6	97.3%
LOCATION:	Station #751+35			
3	6" / 2.0' BFG	4.3%	135.3	95.7%
LOCATION:	Station #751+45			
4	6" / 3.5' BFG	5.8%	136.1	96.3%
LOCATION:	Station #751+25			
5	6" / 2.8' BFG	5.9%	137.3	97.1%
LOCATION:	Station #751+15			
6	6" / 2.0' BFG	5.9%	138.6	98.0%
LOCATION:	Station #751+20			
7	6" / 3.5' BFG	5.3%	137.6	97.3%
LOCATION:	Station #750+85			
8	6" / 2.8' BFG	5.0%	137.1	97.0%
LOCATION:	Station #750+90			

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



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General Location: South Main Street (Route 17), Waterline Trench (Refer to attached photo for location)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 49°F
Weather: 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:** 7.8%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
10	6"/ 1.0' BFG	5.5%	135.3	97.4%
LOCATION:	Station #751+50			
11	6"/ 6" BFG	5.2%	136.3	98.1%
LOCATION:	Station #751+40			
12	6"/ 1.0' BFG	4.9%	134.8	97.0%
LOCATION:	Station #751+20			
13	6"/ 6" BFG	5.3%	134.2	96.6%
LOCATION:	Station #751+10			
14	6"/ 1.0' BFG	6.2%	134.0	96.5%
LOCATION:	Station #750+80			
15	6"/ 6" BFG	6.6%	135.7	97.7%
LOCATION:	Station #751+00			
LOCATION:				
LOCATION:				
LOCATION:				

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

