



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 12, 2020

REPORT #: 19-75-012-077 Page 1 of 5

General Location: Intersection of South Main Street (Route 17) & Route 68, Waterline Trench
Field Rep: Gregory Vachon
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 71°F
Weather: Mostly Sunny
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 (%)
1	6"/ 42" BFG	4.1%	135.2	95.6%
LOCATION:	Station #600+50 (Route 68)			
2	6"/ 42" BFG	3.8%	134.6	95.2%
LOCATION:	Station #600+75 (Route 68)			
3	6"/ 42" BFG	3.7%	135.3	95.7%
LOCATION:	Station #601+00 (Route 68)			
4	6"/ 42" BFG	4.2%	135.4	95.8%
LOCATION:	Station #601+25 (Route 68)			
5	6"/ 42" BFG	3.9%	135.1	95.5%
LOCATION:	Station #601+60 (Route 68)			
6	6"/ 32" BFG	4.2%	134.7	95.3%
LOCATION:	Station #600+50 (Route 68)			
7	6"/ 32" BFG	4.1%	135.4	95.8%
LOCATION:	Station #600+75 (Route 68)			
8	6"/ 32" BFG	4.1%	134.9	95.4%
LOCATION:	Station #601+00 (Route 68)			

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



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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
9	6"/ 32" BFG	3.6%	134.8	95.3%
LOCATION:	Station #601+25			
10	6"/ 32" BFG	4.3%	134.8	95.3%
LOCATION:	Station #601+50			
11	6"/ 22" BFG	4.3%	134.9	95.4%
LOCATION:	Station #600+50			
12	6"/ 22" BFG	4.2%	134.8	95.3%
LOCATION:	Station #600+75			
13	6"/ 22" BFG	3.5%	134.5	95.1%
LOCATION:	Station #601+00			
14	6"/ 22" BFG	2.6%	136.2	96.3%
LOCATION:	Station #601+25			
15	6"/ 22" BFG	3.5%	135.3	95.7%
LOCATION:	Station #601+50			
LOCATION:				

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General Contractor: Ludlow Construction Co., Inc.
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Air Temp: 71°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:** 7.8%
Gauge Type: Troxler 3430 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
16	6"/ 12" BFG	2.6%	137.2	98.8%
LOCATION:	Station #600+50 (Route 68)			
17	6"/ 12" BFG	1.5%	134.8	97.0%
LOCATION:	Station #600+75 (Route 68)			
18	6"/ 12" BFG	2.6%	133.1	95.8%
LOCATION:	Station #601+00 (Route 68)			
19	6"/ 12" BFG	1.6%	132.0	95.0%
LOCATION:	Station #601+25 (Route 68)			
20	6"/ 12" BFG	2.3%	133.1	95.8%
LOCATION:	Station #601+50 (Route 68)			
21	6"/ 4" BFG	2.7%	136.7	98.4%
LOCATION:	Station #600+50 (Route 68)			
22	6"/ 4" BFG	2.0%	133.4	96.0%
LOCATION:	Station #600+75 (Route 68)			
23	6"/ 4" BFG	2.0%	133.0	95.8%
LOCATION:	Station #601+00 (Route 68)			

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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
26	6"/ 12" BFG	2.1%	132.5	95.4%
LOCATION:	Station #145+82			
27	6"/ 12" BFG	1.7%	132.1	95.1%
LOCATION:	Station #146+53			
28	6"/ 12" BFG	2.1%	132.5	95.4%
LOCATION:	Station #146+83			
29	6"/ 12" BFG	2.3%	132.4	95.3%
LOCATION:	Station #147+37			
30	6"/ 4" BFG	2.2%	132.3	95.2%
LOCATION:	Station #145+82			
31	6"/ 4" BFG	1.9%	132.6	95.5%
LOCATION:	Station #145+53			
32	6"/ 4" BFG	1.8%	132.1	95.1%
LOCATION:	Station #146+83			
33	6"/ 4" BFG	2.8%	132.0	95.0%
LOCATION:	Station #147+37			

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