



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 17, 2020

REPORT #: 19-75-012-079 Page 1 of 3

General Location: South Main Street (Route 17), Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Sunny
Soil ID#: 3519-600
Soil Type: Reddish brown silty sand w/ gravel
Proctor Sample Source: On-site

Proctor Value: 136.3 lbs/ft³ **Optimum Moisture:** 6.6%
Gauge Type: Troxler 3440 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	12"/ 16" BFG	6.6%	134.0	98.3%
LOCATION:	Station #156+70			
2	12"/ 16" BFG	7.0%	133.3	97.8%
LOCATION:	Station #156+10			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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



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General Location: South Main Street (Route 17); Route 68, Waterline Trench
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°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 3440 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
3	12" / 4" BFG	2.2%	133.0	95.8%
LOCATION:	Station #156+70 (Route 17)			
4	12" / 4" BFG	1.9%	132.6	95.5%
LOCATION:	Station #156+10 (Route 17)			
5	10" / 4" BFG	3.4%	132.6	95.5%
LOCATION:	Station #604+00 (Route 68)			
6	10" / 4" BFG	2.7%	133.1	95.8%
LOCATION:	Station #604+25 (Route 68)			
7	10" / 4" BFG	2.2%	133.3	96.0%
LOCATION:	Station #604+50 (Route 68)			
LOCATION:				
LOCATION:				
LOCATION:				

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



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Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 72°F
Weather: Sunny
Soil ID#: 3519-592
Soil Type: Light Gray Gravel w/ Silt & Sand (3.5" Gravel)
Proctor Sample Source: Haynes Group

Proctor Value: 141.4 **lbs/ft³** **Optimum Moisture:** 4.6%
Gauge Type: Troxler 3440 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
8	10"/ Lift #1	3.3%	137.7	97.4%
LOCATION:	Station #604+00 (Route 68)			
9	12"/ Lift #2	2.7%	138.0	97.6%
LOCATION:	Station #604+00 (Route 68)			
10	10"/ Lift #1	2.2%	138.2	97.7%
LOCATION:	Station #604+25 (Route 68)			
11	12"/ Lift #2	2.9%	137.9	97.5%
LOCATION:	Station #604+25 (Route 68)			
12	10"/ Lift #1	2.9%	137.3	97.1%
LOCATION:	Station #604+50 (Route 68)			
13	12"/ Lift #2	3.1%	138.1	97.7%
LOCATION:	Station #604+50 (Route 68)			
LOCATION:				
LOCATION:				

REMARKS: