



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: September 17, 2019

REPORT #: 19-75-012-006 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: 50°F
Weather: Night/ Clear
Soil ID#: 3519-600
Soil Type: Reddish Brown Silty Sand w/ Gravel
Proctor Sample Source: Onsite

Proctor Value: 136.3 lbs/ft³
Gauge Type: Troxler 3430

Optimum Moisture: 6.6%
Required Compaction: 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	10"/40.0" BFG	9.1%	131.9	96.8%
LOCATION: Station #52+00				
2	10"/ 40.0" BFG	8.0%	132.3	97.1%
LOCATION: Station #52+25				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
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REMARKS: BFG - Below Finish Grade (BFG - 4.0" Below Base Course for Asphalt)



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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
3	10"/28.0" BFG	9.4%	133.4	97.9%
LOCATION: Station #52+00				
4	10"/ 28.0" BFG	7.9%	133.7	98.1%
LOCATION: Station #52+25				
LOCATION:				
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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
5	10"/16.0" BFG	8.2%	132.5	97.2%
LOCATION: Station #52+00				
6	10"/ 16.0" BFG	8.5%	132.0	96.8%
LOCATION: Station #52+25				
LOCATION:				
LOCATION:				
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General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 50°F
Weather: Night/ Clear
Soil ID#: 3519-608
Soil Type: Light Gray Gravel w/ Silt & Sand (1.5" minus)
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	6"/8.0" BFG	3.4%	132.9	95.7%
LOCATION: Station #52+00				
8	6"/8.0" BFG	4.0%	132.6	95.5%
LOCATION: Station #52+25				
LOCATION:				
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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
9	2"/4.0" BFG	2.9%	134.2	96.6%
LOCATION: Station #52+00				
10	2"/4.0" BFG	2.3%	134.9	97.1%
LOCATION: Station #52+25				
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