



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 24, 2020

REPORT #: 19-75-012-094 Page 1 of 3

General Location: Talcott Lane
Field Rep: Sarah Burke
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 85°F
Weather: Sunny
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	12"/ 15" BFG	14.6%	124.8	95.0%
LOCATION:	150.0' in from South Main Street (Route 17)			
2	10"/ 15" BFG	9.9%	130.9	99.7%
LOCATION:	Center of Trench			
3	8"/ 15" BFG	9.4%	131.2	99.9%
LOCATION:	150.0' from end of trench abutting roadway			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade



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General Location: Talcott Lane and South Main Street (Route 17)
Field Rep: Sarah Burke
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 85°F
Weather: Sunny
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 (%)
4	8" / Finish Grade	1.4%	139.0	100.0+
LOCATION: Talcott Lane, 150.0' in from South Main Street (Route 17)				
5	10" / Finish Grade	1.3%	138.0	99.4%
LOCATION: Talcott Lane, Center of Trench				
6	8" / 2" BFG	10.2%	138.3	99.6%
LOCATION: South Main Street (Route 17), Station #193+23				
7	8" / 2" BFG	10.2%	138.3	99.6%
LOCATION: South Main Street (Route 17), Station #193+28				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

REMARKS: BFG - Below Finish Grade



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General Location: South Main Street (Route 17)
Field Rep: Sarah Burke
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 85°F
Weather: Sunny
Soil ID#: 3519-592
Soil Type: Light gray gravel with sand and 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 (%)
8	8" / 2" BFG	1.8%	135.5	95.8%
LOCATION:	Station #194+63			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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