



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: May 18, 2020

REPORT #: 19-75-012-063 Page 1 of 5

General Location: South Main Street (Route 17), Waterline Trench (Station #194+65 Station #195+40)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 70°F
Weather: Overcast to Clear
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	3.9%	135.3	95.7%
LOCATION: Station #194+75				
2	6"/ 2' 8" BFG	4.2%	136.0	96.2%
LOCATION: Station #194+85				
3	6"/ 2.0' BFG	2.9%	138.4	97.9%
LOCATION: Station #194+80				
4	6"/ 3.5' BFG	2.9%	137.1	97.0%
LOCATION: Station #195+00				
5	6"/ 2' 8" BFG	3.5%	136.6	96.6%
LOCATION: Station #195+10				
6	6"/ 2.0' BFG	3.3%	141.1	99.8%
LOCATION: Station #195+05				
7	6"/ 3.5' BFG	3.0%	132.7	93.8%
LOCATION: Station #195+30				
8	6"/ 2' 8" BFG	3.4%	135.7	96.0%
LOCATION: Station #195+25				

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



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: May 18, 2020

REPORT #: 19-75-012-063 Page 2 of 5

General Location: South Main Street (Route 17), Waterline Trench (Station #194+65 Station #195+40)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 70°F
Weather: Overcast to Clear
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 (%)
9	6"/ 2.0' BFG	2.2%	136.9	96.8%
LOCATION:	Station #195+35			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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



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: May 18, 2020

REPORT #: 19-75-012-063 Page 3 of 5

General Location: South Main Street (Route 17), Waterline Trench (Station #194+65 Station #195+40)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 70°F
Weather: Overcast to Clear
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"/ 18" BFG	1.9%	136.5	98.3%
LOCATION:	Station #194+85			
11	6"/ 4" BFG	1.7%	138.6	99.8%
LOCATION:	Station #194+80			
12	6"/ 18" BFG	2.0%	135.5	97.6%
LOCATION:	Station #195+00			
13	6"/ 4" BFG	2.4%	134.0	96.5%
LOCATION:	Station #195+00			
14	6"/ 18" BFG	2.4%	137.5	99.0%
LOCATION:	Station #195+30			
15	6"/ 4" BFG	2.5%	133.8	96.3%
LOCATION:	Station #195+40			
LOCATION:				
LOCATION:				

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



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: May 18, 2020

REPORT #: 19-75-012-063 Page 4 of 5

General Location: Picket Lane, Waterline Service Extension
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 70°F
Weather: Overcast to Clear
Soil ID#: 3520-218
Soil Type: Dark Brown Clayey sand w/ Gravel (On Site Bankroll Clay/Silt)
Proctor Sample Source: On Site Excavation

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 (%)
16	6"/ 2.5' BFG	5.0%	125.1	95.3%
LOCATION:	Station #515+20			
17	6"/ 1.0' BFG	6.2%	127.5	97.1%
LOCATION:	Station #515+15			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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



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: May 18, 2020

REPORT #: 19-75-012-063 Page 5 of 5

General Location: Picket Lane, Waterline Service Extension (Base Course)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 70°F
Weather: Overcast to Clear
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 (%)
18	6"/ Finish Grade	2.1%	133.6	96.2%
LOCATION:	Station #501+80			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

REMARKS: