



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: April 23, 2020

REPORT #: 19-75-012-047 Page 1 of 4

General Location: South Main Street (Route 17), Waterline Trench (Station #165+69 - Station #166+94)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 43°F
Weather: Overcast
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	6.9%	138.6	98.0%
LOCATION:	Station #165+75			
2	6" / 2' 8" BFG	3.6%	137.8	97.5%
LOCATION:	Station #165+85			
3	6" / 2.0' BFG	4.7%	137.8	97.5%
LOCATION:	Station #166+75			
4	6" / 3.5' BFG	7.9%	136.1	96.3%
LOCATION:	Station #166+10			
5	6" / 2' 8" BFG	5.6%	140.7	99.5%
LOCATION:	Station #166+00			
6	6" / 2.0' BFG	4.9%	134.7	95.3%
LOCATION:	Station #166+50			
7	6" / 3.5' BFG	4.9%	134.7	95.3%
LOCATION:	Station #166+25			
8	6" / 2' 8" BFG	5.3%	135.6	95.9%
LOCATION:	Station #166+35			

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: April 23, 2020

REPORT #: 19-75-012-047 Page 2 of 4

General Location: South Main Street (Route 17), Waterline Trench (Station #165+69 - Station #166+94)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 43°F
Weather: Overcast
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	4.5%	140.2	99.2%
LOCATION:	Station #166+30			
10	6"/ 3.5' BFG	5.8%	136.0	96.2%
LOCATION:	Station #166+55			
11	6"/ 2' 8" BFG	6.3%	137.6	97.3%
LOCATION:	Station #166+65			
12	6"/ 2.0' BFG	3.9%	141.4	100.0%
LOCATION:	Station #166+50			
13	6"/ 3.5' BFG	4.8%	136.5	96.5%
LOCATION:	Station #166+70			
14	6"/ 2' 8" BFG	4.3%	138.4	97.9%
LOCATION:	Station #166+90			
15	6"/ 2.0' BFG	6.3%	139.5	98.7%
LOCATION:	Station #166+80			
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: April 23, 2020

REPORT #: 19-75-012-047 Page 3 of 4

General Location: South Main Street (Route 17), Waterline Trench (Station #165+69 - Station #166+94)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 43°F
Weather: Overcast
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"/ 18" BFG	3.7%	136.7	98.4%
LOCATION:	Station #165+80			
17	6"/ 4" BFG	2.9%	136.2	98.1%
LOCATION:	Station #165+75			
18	6"/ 4" BFG	4.0%	135.7	97.7%
LOCATION:	Station #166+05			
19	6"/ 4" BFG	3.3%	133.9	96.4%
LOCATION:	Station #166+15			
20	6"/ 18" BFG	3.7%	137.2	98.8%
LOCATION:	Station #166+30			
21	6"/ 4" BFG	2.9%	137.9	99.3%
LOCATION:	Station #166+25			
22	6"/ 18" BFG	4.4%	134.6	96.9%
LOCATION:	Station #166+50			
23	6"/ 4" BFG	3.4%	137.4	98.9%
LOCATION:	Station #166+60			

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: April 23, 2020

REPORT #: 19-75-012-047 Page 4 of 4

General Location: South Main Street (Route 17), Waterline Trench (Station #165+69 - Station #166+94)
Field Rep: Stephen Devlin
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 43°F
Weather: Overcast
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 (%)
24	6"/ 18" BFG	3.7%	136.8	98.5%
LOCATION:	Station #166+90			
25	6"/ 4" BFG	4.4%	136.7	98.4%
LOCATION:	Station #166+80			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				

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