

**CLIENT:** Ludlow Construction Co., Inc.

19 Carmelina's Circle Ludlow, MA 01056 Attn: Mr. Mike Pio **PROJECT:** Durham Meadows Waterline

Durham, CT

**DATE:** April 17, 2020 **REPORT #:** 19-75-012-044 Page 1 of 5

**General Location:** South Main Street (Route 17), Waterline Trench (Refer to attached photo for location)

Field Rep: Stephen Devlin

**General Contractor:** Ludlow Construction Co., Inc. **Earthwork Contractor:** Ludlow Construction Co., Inc.

 Air Temp:
 52°F

 Weather:
 Sunny

 Soil ID#:
 3519-592

Soil Type: Light Gray Gravel w/ Sand & Silt

Proctor Sample Source: Haynes Group

Proctor Value: 141.4 lbs/ft<sup>3</sup> Optimum Moisture: 4.6%

**Gauge Type:** Troxler 3430 **Required Compaction:** 95.0%

TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
1	6"/ 3.5' BFG	5.5%	140.0	99.0%	
LOCATION:	Station #160+05				
2	6"/ 2.8' BFG	6.4%	137.6	97.3%	
LOCATION:	Station #160+25				
3	6"/ 2.0' BFG	6.1%	137.9	97.5%	
LOCATION:	Station #160+10				
4	6"/ 3.5' BFG	5.6%	135.9	96.1%	
LOCATION:	Station #160+30				
5	6"/ 2.8' BFG	6.4%	135.3	95.7%	
LOCATION:	Station #160+40				
6	6"/ 2.0' BFG	6.0%	140.7	99.5%	
LOCATION:	Station #160+40				
7	6"/ 3.5' BFG	6.4%	136.9	96.8%	
LOCATION:	Station #160+60				
8	6"/ 2.8' BFG	5.8%	137.4	97.2%	
LOCATION:	Station #160+70				



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TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
9	6"/ 2.0' BFG	5.5%	137.0	96.9%	
LOCATION:	Station #160+55				
10	6"/ 3.5' BFG	5.3%	134.4	95.0%	
LOCATION:	Station #160+80				
11	6"/ 2.8' BFG	5.4%	136.2	96.3%	
LOCATION:	Station #160+95				
12	6"/ 2.0' BFG	6.0%	138.1	97.7%	
LOCATION:	Station #160+85				
13	6"/ 3.5' BFG	5.0%	140.3	99.2%	
LOCATION:	Station #161+05				
14	6"/ 2.8' BFG	4.2%	141.0	99.7%	
LOCATION:	Station #161+05				
15	6"/ 2.0' BFG	4.8%	139.2	98.4%	
LOCATION:	Station #161+15				
LOCATION:					



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**General Contractor:** Ludlow Construction Co., Inc. **Earthwork Contractor:** Ludlow Construction Co., Inc.

Air Temp:52°FWeather:SunnySoil ID#:3519-608

Soil Type: Light Gray Gravel w/ Silt & Sand (1.5" Gravel)

Proctor Sample Source: Haynes Group

Proctor Value: 138.9 lbs/ft<sup>3</sup> Optimum Moisture: 7.8%

**Gauge Type:** Troxler 3430 **Required Compaction:** 95.0%

TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
16	6"/ 1.0' BFG	4.5%	136.9	98.6%	
LOCATION:	Station #160+10				
17	6"/ 6" BFG	5.1%	136.0	97.9%	
LOCATION:	Station #160+20				
18	6"/ 1.0' BFG	5.2%	135.1	97.3%	
LOCATION:	Station #160+30				
19	6"/ 6" BFG	4.1%	134.6	96.9%	
LOCATION:	Station #160+30				
20	6"/ 1.0' BFG	4.1%	134.2	96.6%	
LOCATION:	Station #160+65				
21	6"/ 6" BFG	4.8%	135.7	97.7%	
LOCATION:	Station #160+70				
22	6"/ 1.0' BFG	5.1%	136.4	98.2%	
LOCATION:	Station #160+85				
23	6"/ 6" BFG	6.1%	135.3	97.4%	
LOCATION:	Station #160+85				



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TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION
NUMBER	(in/ft)	(%)	(pcf)	(%)
24	6"/ 1.0' BFG	4.9%	135.4	97.5%
LOCATION:	Station #160+10			
25	6"/ 6" BFG	5.9%	136.8	98.5%
LOCATION:	Station #161+05			
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				
LOCATION:				_

