

CLIENT: Ludlow Construction Co., Inc.

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

Durham, CT

DATE: November 13, 2019 **REPORT #:** 19-75-012-033 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: 16°F
Weather: Night
Soil ID#: 3519-600

Soil Type: Reddish Brown Silty Sand w/ Gravel

Proctor Sample Source: On Site

Proctor Value: 136.3 lbs/ft³ Optimum Moisture: 6.6%

Gauge Type: Troxler 3430 Required Compaction: 95.0%

TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
1	12"/ 44.0" BFG	6.0%	131.2	96.3%	
LOCATION:	Station #149+76				
2	12"/ 44.0" BFG	7.8%	131.8	96.7%	
LOCATION:	Station #150+01				
3	12"/ 44.0" BFG	8.2%	132.4	97.1%	
LOCATION:	Station #150+26				
4	12"/ 44.0" BFG	8.5%	132.0	96.8%	
LOCATION:	Station #150+51				
5	12"/ 44.0" BFG	7.7%	132.5	97.2%	
LOCATION:	Station #150+76				
6	12"/ 44.0" BFG	8.8%	131.6	96.6%	
LOCATION:	Station #151+01				
7	12"/ 44.0" BFG	7.7%	133.0	97.6%	
LOCATION:	Station #151+26				
LOCATION:					

REMARKS: BFG - Below Finish Grade



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TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
8	12"/ 32.0" BFG	8.0%	131.3	96.3%	
LOCATION:	Station #149+76				
9	12"/ 32.0" BFG	8.3%	133.0	97.6%	
LOCATION:	Station #150+01				
10	12"/ 32.0" BFG	9.0%	133.3	97.8%	
LOCATION:	Station #150+26				
11	12"/ 32.0" BFG	8.5%	132.6	97.3%	
LOCATION:	Station #150+51				
12	12"/ 32.0" BFG	9.5%	131.9	96.8%	
LOCATION:	Station #150+76				
13	12"/ 32.0" BFG	7.3%	132.4	97.1%	
LOCATION:	Station #151+01				
14	12"/ 32.0" BFG	7.1%	131.7	96.6%	
LOCATION:	Station #151+26				
LOCATION:					

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6.6%

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Gauge Type: Troxler 3430 Required Compaction: 95.0%

dauge Type.	110/101 3430		nequired compaction: 33.070		
TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
15	12"/ 20.0" BFG	7.7%	133.4	97.9%	
LOCATION:	Station #149+76				
16	12"/ 20.0" BFG	7.9%	133.0	97.6%	
LOCATION:	Station #150+01				
17	12"/ 20.0" BFG	8.4%	132.6	97.3%	
LOCATION:	Station #150+26				
18	12"/ 20.0" BFG	8.2%	132.1	96.9%	
LOCATION:	Station #150+51				
19	12"/ 20.0" BFG	9.0%	133.3	97.8%	
LOCATION:	Station #150+76				
20	12"/ 20.0" BFG	7.7%	133.5	97.9%	
LOCATION:	Station #151+01				
21	12"/ 20.0" BFG	7.8%	132.8	97.4%	
LOCATION:	Station #151+26				
LOCATION:					

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Optimum Moisture:

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7.8%

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Field Rep: Stephen Sturges

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

Air Temp:16°FWeather:NightSoil 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

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

dauge Type.	HUMEL 3430		Required Compaction. 95.070		
TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
22	8"/ 12.0" BFG	4.4%	135.5	97.6%	
LOCATION:	Station #149+76				
23	8"/ 12.0" BFG	5.0%	135.3	97.4%	
LOCATION:	Station #150+01				
24	8"/ 12.0" BFG	3.5%	135.0	97.2%	
LOCATION:	Station #150+26				
25	8"/ 12.0" BFG	2.9%	136.1	98.0%	
LOCATION:	Station #150+51				
26	8"/ 12.0" BFG	1.9%	136.9	98.6%	
LOCATION:	Station #150+76			-	
27	8"/ 12.0" BFG	3.4%	135.4	97.5%	
LOCATION:	Station #151+01				
28	8"/ 12.0" BFG	3.8%	134.5	96.8%	
LOCATION:	Station #151+26				
LOCATION:					

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TEST	DEPTH/ELEV.	MOISTURE	DRY DENSITY	COMPACTION	
NUMBER	(in/ft)	(%)	(pcf)	(%)	
29	8"/ 4.0" BFG	4.0%	136.7	98.4%	
LOCATION:	Station #149+76				
30	8"/ 4.0" BFG	3.4%	136.0	97.9%	
LOCATION:	Station #150+01				
31	8"/ 4.0" BFG	3.6%	135.6	97.6%	
LOCATION:	Station #150+26				
32	8"/ 4.0" BFG	2.8%	135.2	97.3%	
LOCATION:	Station #150+51				
33	8"/ 4.0" BFG	3.3%	135.4	97.5%	
LOCATION:	Station #150+76				
34	8"/ 4.0" BFG	2.3%	134.4	96.8%	
LOCATION:	Station #151+01				
35	8"/ 4.0" BFG	2.8%	134.8	97.0%	
LOCATION:	Station #151+26				
LOCATION:				-	

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