

CLIENT:

Ludlow Construction Co., Inc.

PROJECT:

Durham Meadows Waterline

Durham, CT

19 Carmelina's Circle

Ludlow, MA 01056

Attn: Mr. Mike Pio

September 15, 2019

REPORT #:

19-75-012-005 Page 1 of 5

General Location:

South Main Street, Waterline Trench

Field Rep:

DATE:

Stephen Sturges

General Contractor:

Ludlow Construction Co., Inc.

Earthwork Contractor:

Ludlow Construction Co., Inc.

Air Temp:

60°F

Weather:

Night/ Clear

Soil ID#:

3519-600 Reddish Brown Silty Sand w/ Gravel

lbs/ft3

Soil Type:

Proctor Sample Source: Onsite

DEPTH/ELEV.

10"/40.0" BFG

Proctor Value:

136.3

Optimum Moisture:

DRY DENSITY

132.0

6.6%

Required Compaction:

95.0%

COMPACTION

Gauge Type:

2

Troxler 3430

TEST (%) (pcf) (%) (in/ft) NUMBER 98.2% 133.8 9.0% 10"/40.0" BFG 1 LOCATION: Station #105+86 96.8%

MOISTURE

8.3%

Station #106+11 LOCATION: 97.2% 132.5 8.9% 10"/40.0" BFG Station #106+36 LOCATION: 133.4 97.9% 9.1% 10"/40.0" BFG

Station #106+61 LOCATION:

LOCATION:

LOCATION:

LOCATION:

LOCATION:

REMARKS: BFG - Below Finish Grade (BFG - 4.0" Below Base Course for Asphalt)

COMPACTION TESTING SEPTEMBER 15th - 18th 2019



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Earthwork Contractor:

60°F

Air Temp: Weather:

Night/Clear

Soil ID#:

3519-600

Soil Type:

Reddish Brown Silty Sand w/ Gravel

Proctor Sample Source: Onsite

Proctor Value:

lbs/ft3 136.3

Optimum Moisture:

6.6%

Traylor 2/130

Required Compaction:

95.0%

lauge Type:	Troxler 3430	Required Compaction: 33.070		
TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
5	10"/28.0" BFG	7.7%	131.8	96.7%
LOCATION:	Station #105+86	***************************************		
6	10"/ 28.0" BFG	8.0%	130.0	95.4%
LOCATION:	Station #106+11	4		***************************************
	10"/ 28.0" BFG	7.2%	130.9	96.0%
LOCATION:	Station #106+36			
8	10"/ 28.0" BFG	8.3%	131.4	96.4%
LOCATION:	Station #106+61			***************************************
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LOCATION:				
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Earthwork Contractor:

Ludlow Construction Co., Inc.

Air Temp:

Weather:

Night/Clear

Soil ID#:

3519-600 Reddish Brown Silty Sand w/ Gravel

Soil Type:

Onsite

Proctor Value:

Proctor Sample Source:

lbs/ft³ 136.3

Optimum Moisture:

6.6%

95.0%

Required Compaction:

Tuno:	Troxler 3430		Required Compaction: 93.0%		
TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)	
9	10"/16.0" BFG	6.6%	131.6	96.6%	
LOCATION:	Station #105+86			***************************************	
10	10"/ 16.0" BFG	9.3%	131.1	96.2%	
LOCATION:	Station #106+11				
11	10"/ 16.0" BFG	7.0%	132.7	97.4%	
LOCATION:	Station #106+36				
12	10"/ 16.0" BFG	9.4%	133.3	97.8%	
LOCATION:	Station #106+61			***************************************	
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PROJECT: Durham Meadows Waterline

Durham, CT

19 Carmelina's Circle Ludlow, MA 01056

Attn: Mr. Mike Pio

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REPORT #:

19-75-012-005 Page 4 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:

60°F

Weather:

Night/ Clear

Soil ID#:

3519-608

Soil Type:

Light Gray Gravel w/ Silt & Sand (1.5" minus)

Proctor Sample Source:

Haynes Group

Proctor Value:

138.9

lbs/ft3

Optimum Moisture:

7.8%

Cours Type:

Troxler 3430

Required Compaction:

95.0%

auge Type:	Troxler 3430	Required Compaction.		
TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
13	6"/8.0" BFG	3.0%	133.2	95.9%
LOCATION:	Station #105+86	a nadar cardi i personalari andre bush kahara kembanga dari dalan dari pengangan pengangan samulan ara-sa-sa-sa-sa-sa-sa-sa-sa-sa-sa-sa-sa-sa		
14	6"/ 8.0" BFG	4.9%	134.8	97.0%
LOCATION:	Station #106+11			***************************************
15	6"/ 8.0" BFG	2.3%	134.0	96.5%
LOCATION:	Station #106+36	1974 9-1974-1974-1974-1974-1974-1974-1974-197		
16	6"/ 8.0" BFG	5.3%	135.3	97.4%
LOCATION:	Station #106+61			
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Weather:

Night/ Clear 3519-608

Soil ID#: Soil Type:

Light Gray Gravel w/ Silt & Sand (1.5" minus)

Proctor Sample Source:

Haynes Group

Proctor Value:

138.9

lbs/ft3

Optimum Moisture:

7.8%

Gauge Type

Troyler 3430

Required Compaction:

95 0%

lauge Type:	Troxler 3430		Required Compaction: 95.0%			
TEST NUMBER	DEPTH/ELEV. (in/ft)	MÓISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)		
17	2"/4.0" BFG	2.2%	134.9	97.1%		
LOCATION:	Station #105+86					
18	2"/ 4.0" BFG	4.9%	135.8	97.8%		
LOCATION:	Station #106+11					
19	2"/ 4.0" BFG	3.3%	134.8	97.0%		
LOCATION:	Station #106+36					
20	2"/ 4.0" BFG	5.1%	136.0	97.9%		
LOCATION:	Station #106+61					
LOCATION:						
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LOCATION:						
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