



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: July 1, 2020

REPORT #: 19-75-012-084 Page 1 of 2

General Location: Talcott Ridge Road, Water Tank
Field Rep: Stephen Sturges
General Contractor: Ludlow Construction Co., Inc.
Earthwork Contractor: Ludlow Construction Co., Inc.
Air Temp: 78°F
Weather: 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:** 4.6%
Gauge Type: Troxler 3440 **Required Compaction:** 95.0%

TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
1	10"/ 437.0'	3.3%	132.6	95.5%
LOCATION: North of Center of Foundation				
2	10"/ 437.0'	4.1%	138.3	99.6%
LOCATION: South Center of Foundation				
3	10"/ 437.0'	2.7%	136.1	98.0%
LOCATION: East Center of Foundation				
4	10"/ 437.0'	4.0%	135.5	97.6%
LOCATION: West Center of Foundation				
5	6"/ 437.67'	6.3%	134.6	96.9%
LOCATION: North of Center of Foundation				
6	6"/ 437.67'	4.5%	137.8	99.2%
LOCATION: South Center of Foundation				
7	6"/ 437.67'	4.5%	134.0	96.5%
LOCATION: East Center of Foundation				
8	6"/ 437.67'	4.7%	132.8	95.6%
LOCATION: West Center of Foundation				

REMARKS:



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TEST NUMBER	DEPTH/ELEV. (in/ft)	MOISTURE (%)	DRY DENSITY (pcf)	COMPACTION (%)
9	10"/ 438.34'	3.4%	137.5	99.0%
LOCATION: North of Center of Foundation				
10	10"/ 438.34'	3.8%	140.6	100.0+
LOCATION: South Center of Foundation				
11	10"/ 438.34'	3.1%	137.6	99.1%
LOCATION: East Center of Foundation				
12	10"/ 438.34'	2.9%	134.0	96.5%
LOCATION: West Center of Foundation				
13	6"/ 439.0'	2.5%	134.1	96.5%
LOCATION: North of Center of Foundation				
14	6"/ 439.0'	3.0%	138.2	99.5%
LOCATION: South Center of Foundation				
15	6"/ 439.0'	2.5%	135.2	97.3%
LOCATION: East Center of Foundation				
16	6"/ 439.0'	2.9%	138.1	99.4%
LOCATION: West Center of Foundation				

REMARKS: