

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	November 18, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Monday
Project #:	AECOM: 60445033	Report No:	32
Contractor:	Ludlow Construction	Page:	1 of 18

Weather Conditions			
Conditions:	Daylight hours. Sunny, winds variable 0-5 mph.		
Temperature (°F):	High 52°F	Low	20°F

Contractors & Subcontractors Workforce							
Trade	#	x	hrs				
USACE							
Field Engineer	1	x	8				
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Visitors:	NONE
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Notes:
Pipe Connections: Restrained 8" DI pipe connections for 160 feet from Stations 601+22.92 to approximately 602.82.
Compaction Testing: Compaction testing was performed today by John Turner Consulting. Test results are reported below.
Station Adjustments: Sheet C5 says that the starting Station is 600+07. Ludlow foreman Billy indicates that the starting point is 600+03.5 and that the starting station of 600+07 was predicated upon the installation of a ~2 long nipple that was substituted out for a foster adapter.
Other: None
0700 –Ludlow mobilizes to the intersection of Talcott Ridge Drive and Watch Hill Drive at Station 601+22.92 and begins to peel back asphalt from area that will be excavated to lay 8" DIP up Watch Hill Drive.
0720 – Meet with Kurt Mintell of the USACE to go over pay items for 11-15-19.
0735 – Ludlow using CAT 336E to claw through shallow bedrock as they open up trench.
0810 – First stick of 8" DIP installed starting at Station 601+22.92.
0847 – Second stick of 8" DIP installed by Ludlow.
0858 – Ludlow hammering out bedrock where third stick of 8" DIP will be installed.

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0955 – Third stick of 8” DIP installed by Ludlow.

1110 – Ludlow hammering out bedrock where fourth stick of 8” DIP will be installed.

1131 – Fourth stick of 8” DIP installed by Ludlow.

1150 – Fifth stick of 8” DIP installed by Ludlow. No hammering of rock required to excavate trench.

1215 – Sixth stick of 8” DIP installed by Ludlow. No hammering of rock required to excavate trench.

1232 – Seventh stick of 8” DIP installed by Ludlow. No hammering of rock required to excavate trench.

1256 - Eighth stick of 8” DIP installed by Ludlow. No hammering of rock required to excavate trench. All pipe connections for today are restrained. Steve Sturgis from John Turner Consulting is on site performing soil compaction tests. The following three readings were obtained:

Test ID	Compaction (%)	Moisture (%)	Station (%)	Description
Test 1	98.1	7.7	601+42	14” BSG; on top of 3” minus gravel
Test 2	97.9	8.2	601+42	14” BSG; on top of 3” minus gravel
Test 3	97.4	7.8	~ 601+55	30” BSG; on top of 3” minus gravel

1306 – While trenching just a little west of Station 601+42, Ludlow broke through a 4” gray PVC conduit that ran perpendicular to the trench approximately 4.0’ BSG. It appeared to be unused; perhaps an unused electrical conduit for a street light. Ludlow fixed the conduit with split PVC and two Fernco couplings.

1353 – Depart site.

Payment Items:

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Thursday 11/7/19 Talcott Ridge Dr.

Start St# 34+04.62 End St# 33+24.62

PI#	Description	Quant	Notes
1	16" DI Pipe	200'	
5	16" Restraint DI	60.0'	
54	Ledge Removed	16.82 cu y.	
62	Saw Cut Toward	160.0'	
63	Road Gravel Base	13.29	
76	Police Officer	8 hrs	

Shots and Elev.

387.57 Δ Pinn TBM = NE Bolt Hyde Talcott Ridge @ Watch Hill
12.15 RR.
399.72 K HI

Ledge @ St# 33+53.62 Ledge 20' x 593' Ave x 3.85'

RR	Elev.	Location
2.96	396.76	Top of Black Top
5.90	393.82	Top of Ledge
11.54	388.18	Bottom of Trench

5.64' of Ledge

Ledge @ St# 33+33.62

RR	Elev.	Location
1.49	397.73	Top of Black Top
4.54	395.18	Top of Ledge
10.76	388.96	Bottom of Trench

6.22' of Ledge

End of Pipe @ St# 33+24.62

RR	Elev.	Location
1.76	397.96	Top of Black Top
7.35	392.37	Top of Pipe

5.59' D

Figure 1 – 11-7-19 Notes from Ludlow.

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Friday 11/8/19 Talcott Ridge Dr

Starting St# 33+24.62 End St# 32+04.62

PT#	Description	Quant	Notes
1	16" DI Pipe	100.0'	St# 33+24.62 → 32+24.62
5	16" Restraint	80.0'	St# 32+24.62 → 32+04.62
62	Saw Cut Toward	240.0'	
63	Road Base Canal	19.86 cu y	
76	Police Officer	8 hrs	

Shots and Elev. @ R.P. Pipe St# 32+04.62

398.60 A T.O.F. @ C.B.I.F.O. H.S.#
7.96 RR.
406.25 X HT

RR.	Elev.	Location
2.41	403.84	T.O. Black Top @ R.P. Pipe St# 32+04.62
7.70	398.55	T.O.P. @ R.P. Pipe St# 32+04.62

5.29'

Figure 2 - 11-08-19 Notes from Ludlow.

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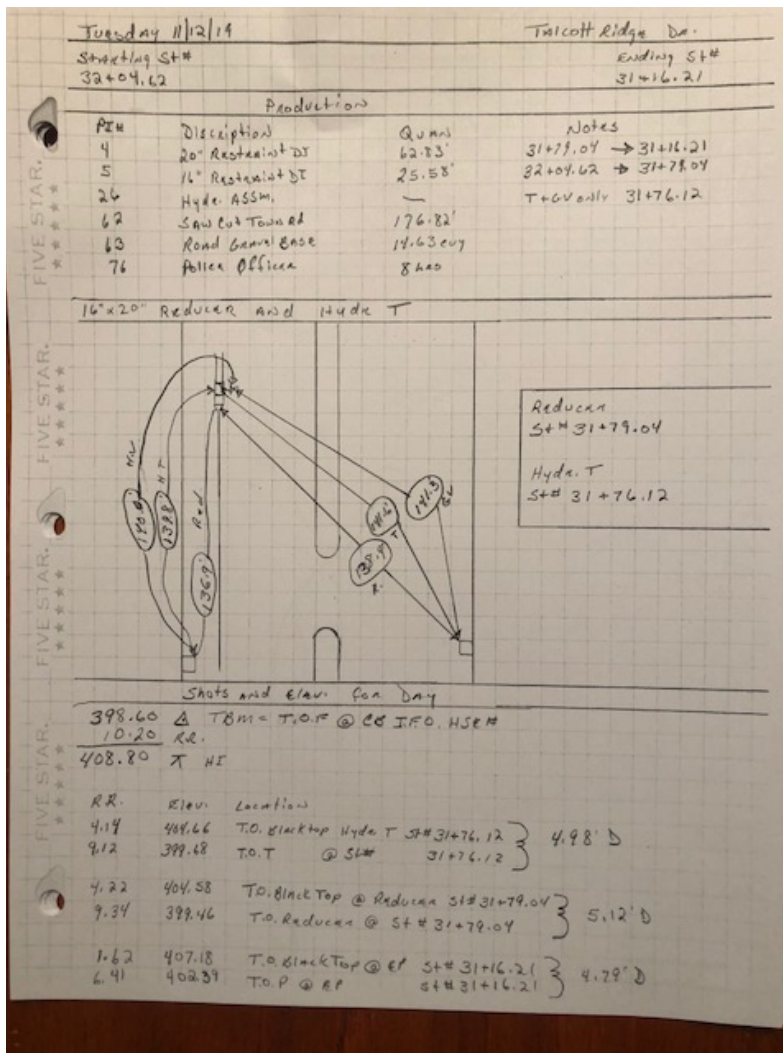


Figure 3 - 11-12-19 Notes from Ludlow.

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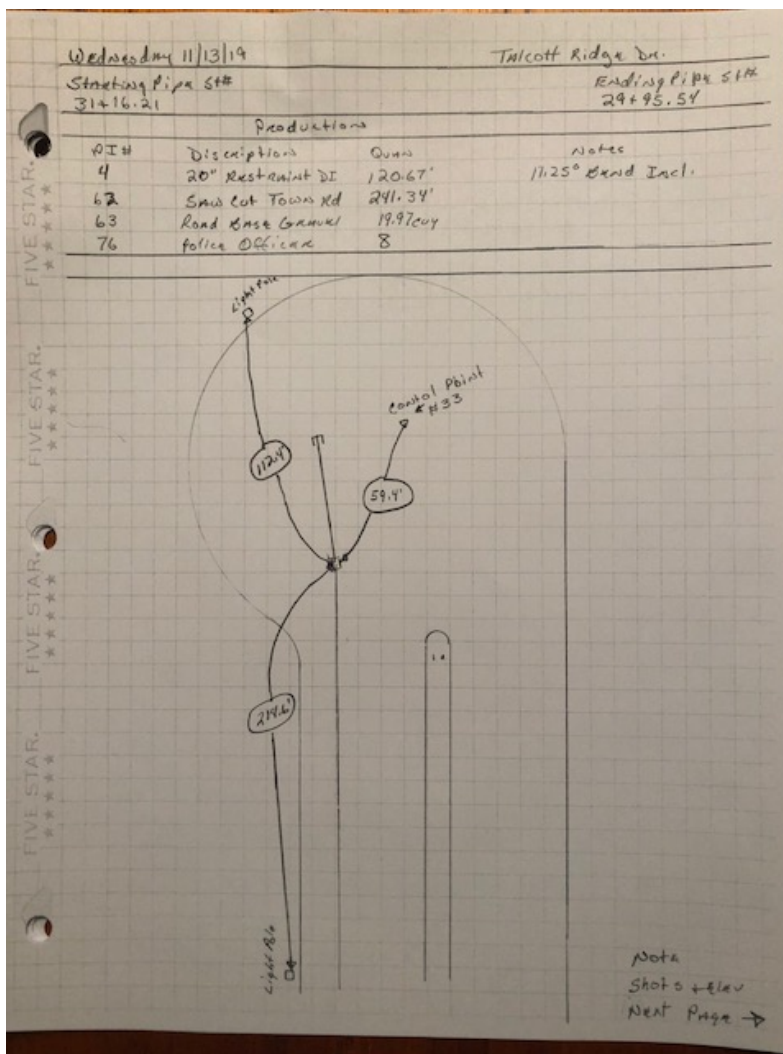


Figure 4 – 11-13-19 Notes from Ludlow.

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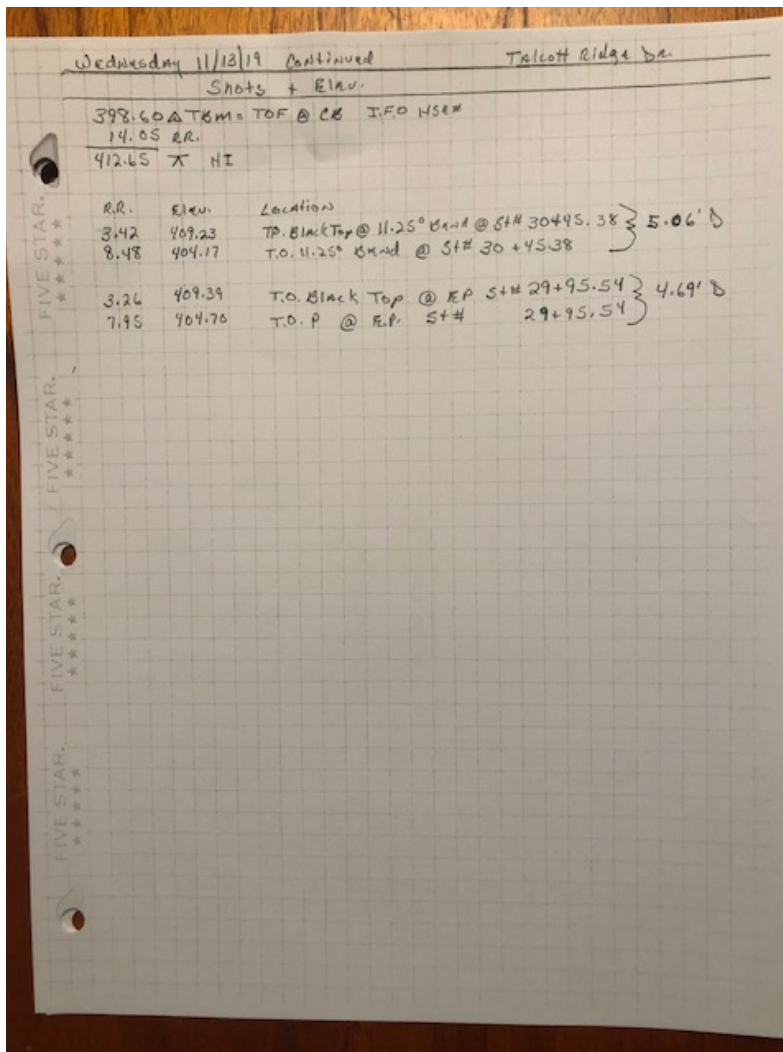


Figure 5 – 11-13-19 Notes from Ludlow.

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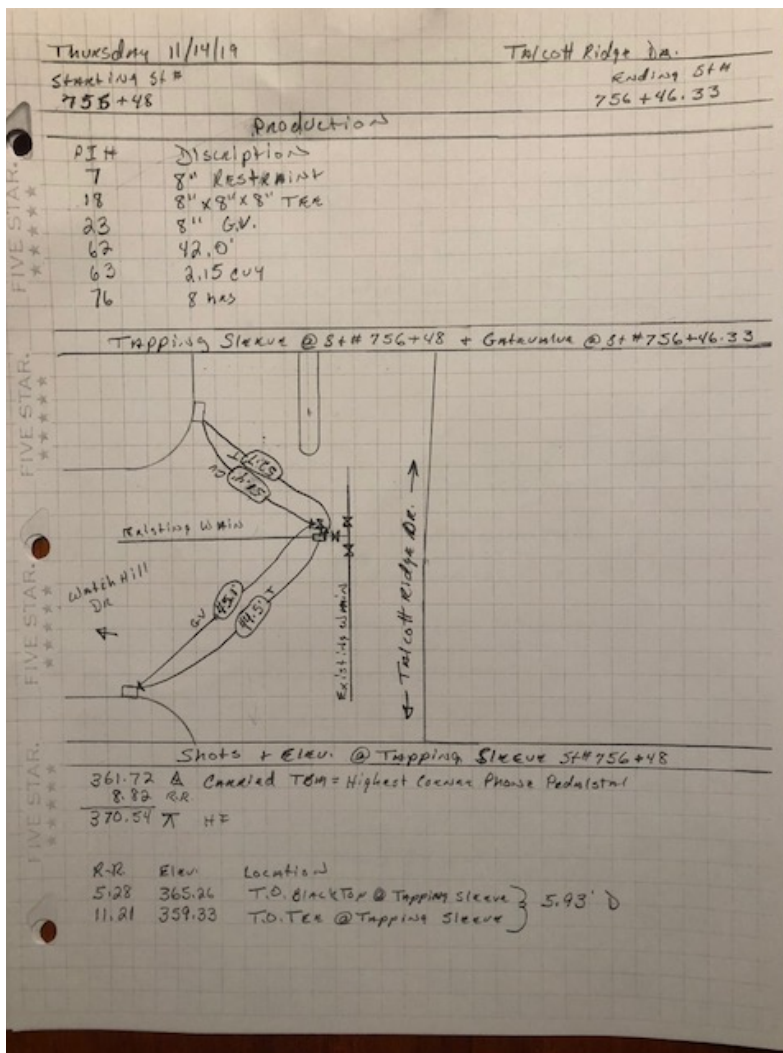


Figure 6 – 1-14-19 Notes from Ludlow.

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Figure 7 – Ludlow excavating through shallow bedrock prior to placing third stick of 8" DIP.

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Figure 8 – Typical bedrock that Ludlow encountered during trench excavation activities while placing the third and fourth stick of 8" DIP.

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Figure 9– Ludlow hammering bedrock during trenching activities.

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Figure 10– Bedrock visible on both sidewalls of trench. View to the east.

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Figure 11– Typical ¾” gravel used during pipe placement and backfilling.

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Figure 12– 8” DIP in the process of being placed.

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Figure 13– Ludlow compacting 3” minus gravel.

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Figure 14– John Turner Consulting performing a compaction test on the top-most lift of 3”minus gravel.

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Figure 15– Density and moisture meter used by John Turner Consulting.



Figure 16– Remnants of 4” gray PVC conduit that Ludlow broke through just east of the eighth (and last) stick of 8” DIP installed for the day.

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Figure 17– Repaired 4” PVC conduit.