

HAMPDEN COUNTY, MASSACHUSSETS & HARTFORD COUNTY, CONNECTICUT

TOWN OF AGAWAM & SUFFIELD

ALIGNMENT STRIP MAP

MATERIAL

COATING

DESIGN FACTOR

CLASS LOCATION

PROFILE

ENVIRONMENTAL

SOIL TYPE

WORKSPACE SCHEMATIC

L.L. NO.

OWNERSHIP

WORKSPACE INSETS

PIPE SUMMARY

REFERENCE DRAWINGS

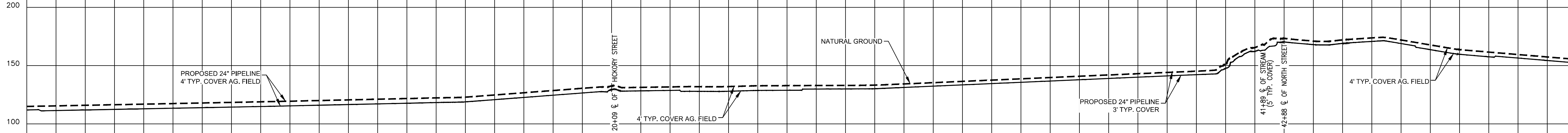
ISSUED FOR FERC RESUBMITTAL

REVISIONS

AREA: NASSAU DIV.: NORTHERN
 DRAFTER: AJS DATE: 01/22/14
 DRAFT COORD: SAM DATE: 01/24/14

CONNECTICUT EXPANSION CONNECTICUT LOOP 300 PROPOSED 24" NATURAL GAS PIPELINE HARTFORD COUNTY, CONNECTICUT HAMPDEN COUNTY, MASSACHUSETTS

DESIGN DATE: SCALE: 1" = 200' AFE: 67190 & 67159
 COORD: PROJECT DATE: OPER: APPR: DATE: DATE: DATE:
 TO-T13-300-2-109 G



SOIL TYPE LEGEND

250B	Pollux fine sandy loam, 3 to 8 percent slopes
736A	Scantic Variant silt loam, 0 to 3 percent slopes
25B	Brancroft silt loam, 3 to 8 percent slopes
87D	Wetherfield loam, 15 to 25 percent slopes
9	Scitico, Shaker, and Mayfield soils
5	Wilbraham silt loam
32B	Haven and Enfield soils, 3 to 8 percent slopes
32C	Haven and Enfield soils, 8 to 15 percent slopes
82B	Broadbrook silt loam, 3 to 8 percent slopes

LEGEND

	EXISTING PERMANENT EASEMENT
	PROPOSED PERMANENT EASEMENT
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE (ATWS WITH FERC ID)
	LIMITS OF DISTURBANCE
	Proposed 24" Pipeline
	Existing Pipeline

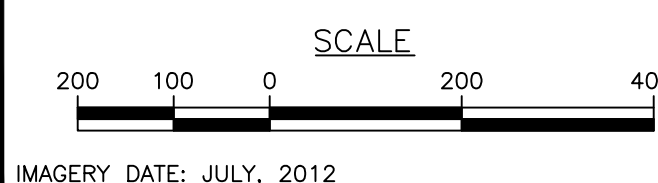
NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING
COATING/PADDING SUMMARY

A	EXTERNAL FBE UC-200 14-16 MILS
B	EXTERNAL FBE UC-200 14-16 MILS W/ BUOYANCY CONTROL
C	EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION
D	EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO

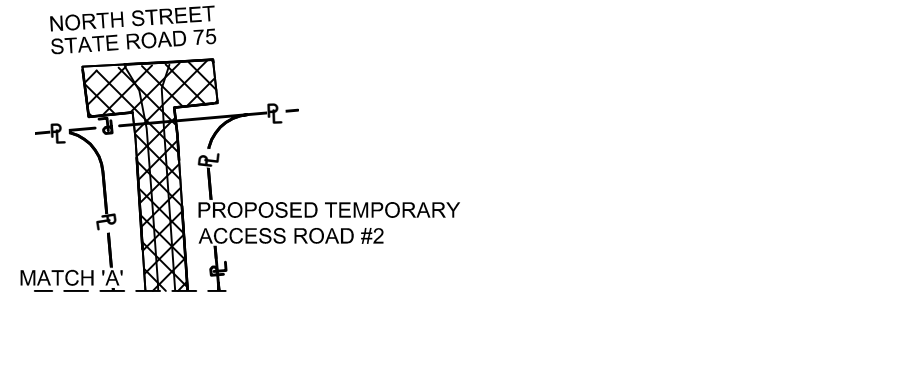
FIELD NOTES

TEST: _____

RADIOGRAPH: _____

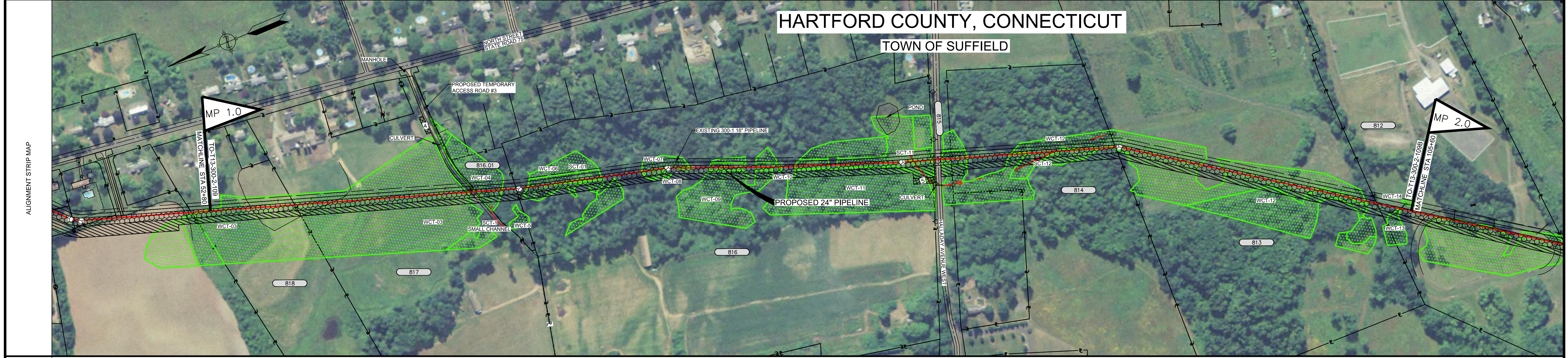


NO.	DESCRIPTION	DATE	BY	CHK	APPR
G	67159 & 67170 ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP		RE
F	67159 & 67170 ADDED ATWS NUMBERING	12/09/14	AJP		RE
E	67159 & 67170 ISSUED FOR FERC	06/27/14	AJS		SAM
D	67159 & 67170 RE-ROUTE FOR HDD	06/17/14	AJS		SAM
C	67159 & 67170 PRELIMINARY REVIEW	04/24/14	AJS		SAM
B	67159 & 67170 PRELIMINARY REVIEW	04/04/14	AJS		SAM
A	67159 & 67170 PRELIMINARY REVIEW	01/25/14	AJS		SAM
NO PROJ ID					

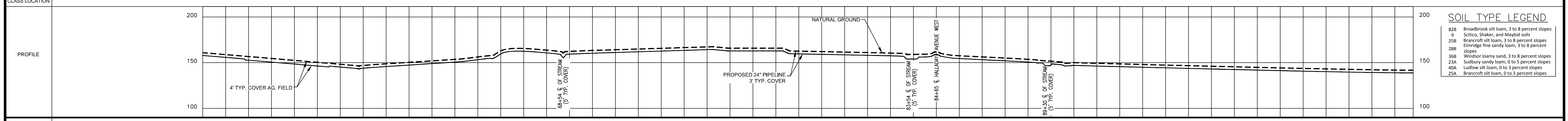


IMAGERY DATE: JULY, 2012

PROTECTION EASEMENT	LINE LIST	RODS	PIPELINE STATIONING
	52+80		52+80 MATCHLINE STATION
	818	22.4	54+61 CROP LINE CROSSING
	56+48		56+49 PROPERTY LINE
	817	47.7	58+13 CROP LINE CROSSING
	64+37		59+50 TOP OF SLOPE
	816.01	10.9	64+09 EXIT WETLAND WCT-03 64+16 ACCESS ROAD #3 64+32 EDGE OF BRIDGEWAY AND PROPOSED TEMPORARY ACCESS ROAD #3 64+37 FENCE LINE CROSSING 64+40 ENTER WETLAND WCT-04 65+41 TOE OF SLOPE 66+03 TOP OF SLOPE 66+30 P.L. < 34292 LL 66+70 ENTER WETLAND WCT-06 68+53 TOP OF BANK 68+54 TOE OF BANK 68+54 & OF STREAM SCI-01 68+55 TOE OF BANK 69+96 EXIT WETLAND WCT-06 70+76 OLD CAR 41 LT. 70+95 FENCE LINE CROSSING 71+71 ENTER WETLAND WCT-07 72+68 P.L. < 37202E LL 72+82 ENTER WETLAND WCT-07 73+32 ENTER WETLAND WCT-07 73+89 EXIT WETLAND WCT-07 74+71 ENTER WETLAND WCT-09 76+07 EXIT WETLAND WCT-09 76+67 ENTER WETLAND WCT-09 77+03 P.L. < 16421 LL 77+54 EXIT WETLAND WCT-09 77+69 ENTER WETLAND WCT-10 77+81 ENTER WETLAND WCT-10 78+41 ENTER WETLAND WCT-11 79+92 EXIT WETLAND WCT-11 80+22 ENTER WETLAND WCT-11 84+39 85+22 85+48 TREE LINE CROSSING 83+07 P.L. < 15137 LL 83+54 & OF STREAM SCI-11 84+39 TOP OF BANK 84+39 PROPERTY LINE 84+42 TOE OF SLOPE 84+44 POWER POLE 102' LT. 84+45 WETLAND WCT-12 84+45 EDGE OF ROAD 84+53 EDGE OF ROAD 84+65 & HALLADAY AVENUE WEST 84+76 EDGE OF ROAD 85+22 PROPERTY LINE 85+97 EXIT WETLAND WCT-12 87+78 ENTER WETLAND WCT-12 88+21 TOP OF BANK 88+37 TOP OF BANK 89+96 TREE LINE CROSSING 92+14 92+21 ENTER WETLAND WCT-12 92+40 PROPERTY LINE 92+52 TREE LINE CROSSING 92+52 P.L. < 162133 LL 96+19 EXIT WETLAND WCT-12 97+28 ENTER WETLAND WCT-12 99+61 TREE LINE CROSSING 99+69 TREE LINE CROSSING 101+28 TREE LINE CROSSING 103+59 EXIT WETLAND WCT-12 103+69 EDGE OF FIELD ROAD 103+98 EDGE OF FIELD ROAD 104+07 PROPERTY LINE 105+09 ENTER WETLAND WCT-13 105+14 TOE OF DRAINAGE CATCHMENT 105+42 TREE LINE CROSSING



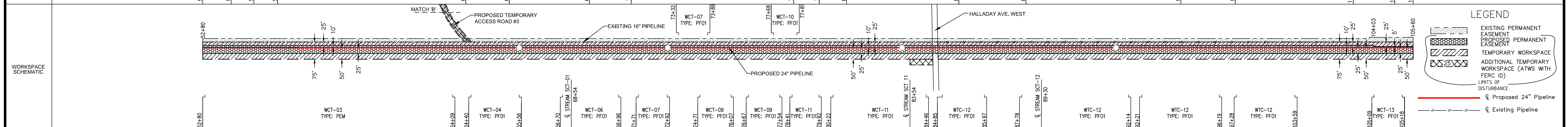
MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



SOIL TYPE LEGEND

- 82B Broadbrook silt loam, 3 to 8 percent slopes
- 9 Scitico, Shaker, and Maybeld soils
- 25B Brancroft silt loam, 3 to 8 percent slopes
- 28B Elmridge fine sandy loam, 3 to 8 percent slopes
- 36B Windsor loamy sand, 3 to 8 percent slopes
- 23A Sudbury sandy loam, 0 to 5 percent slopes
- 40A Ludlow silt loam, 0 to 3 percent slopes
- 25A Brancroft silt loam, 0 to 3 percent slopes

ENVIRONMENTAL	
SOIL TYPE	82B, 9, 25B, 28B, 36B, 23A, 40A, 25A



LEGEND

- EXISTING PERMANENT EASEMENT
- PROPOSED PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (ATWS WITH FERC ID)
- LIMITS OF DISTURBANCE
- Proposed 24" Pipeline
- Existing Pipeline

L.L. NO.	OWNERSHIP	WORKSPACE INSETS	PIPE SUMMARY	REFERENCE DRAWINGS	ISSUED FOR FERC RESUBMITTAL	REVISIONS	AREA: NASSAU DIV.: NORTHERN
818							DRAFTER: AJ5 DATE: 01/22/14
817							DRAFT COORD: SAM DATE: 01/24/14
816.01							
816							
815							
814							
813							
812							

WORKSPACE INSETS

PIPE SUMMARY

NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING

COATING/PADDING SUMMARY

- A EXTERNAL FBE UC-200 14-16 MILS
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- C EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION
- D EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO

FIELD NOTES

TEST: _____

RADIOGRAPH: _____

REFERENCE DRAWINGS

ISSUED FOR FERC RESUBMITTAL

NOTE: MAOP IS 800 PSIG, OPERATING 719 PSIG

SCALE

IMAGERY DATE: JULY, 2012

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
G	67159 & 67170	ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP	RE	
F	67159 & 67170	ADDED ATWS NUMBERING	12/09/14	AJP	RE	
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D	67159	RE-ROUTE FOR HDD	06/17/14	AJS	SAM	
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B	67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM	
A	67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM	

**CONNECTICUT EXPANSION
CONNECTICUT LOOP 300
PROPOSED 24" NATURAL GAS PIPELINE**

**HARTFORD COUNTY,
CONNECTICUT**

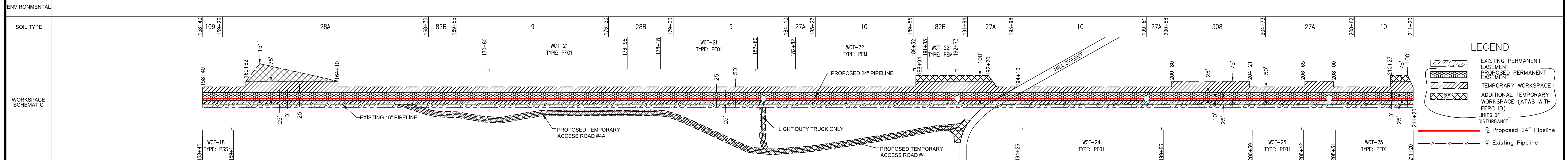
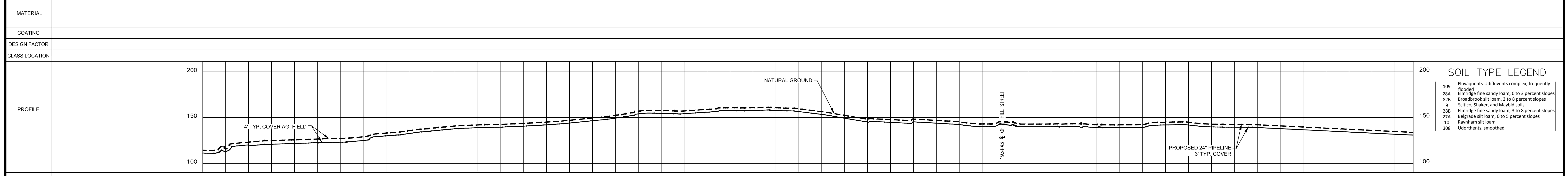
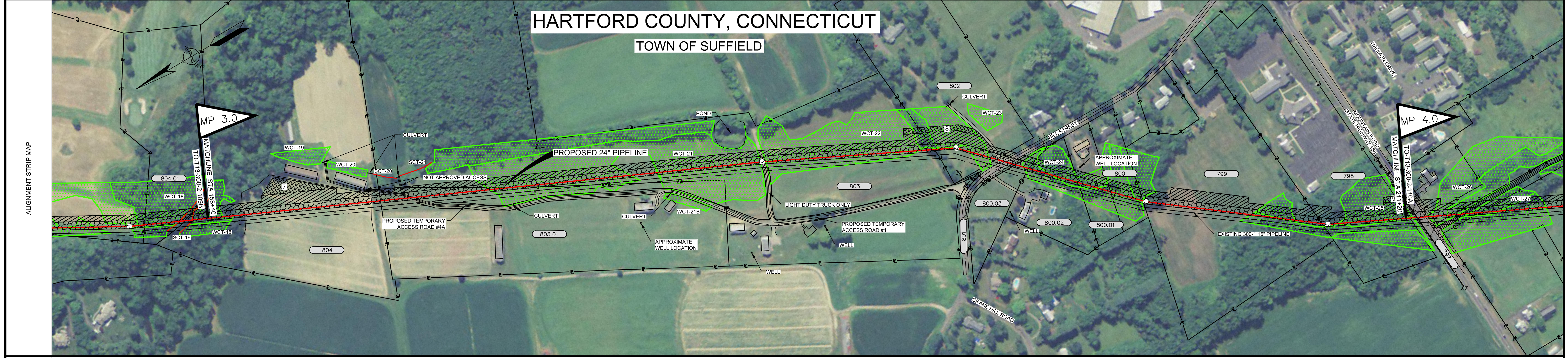
DESIGN COORD: PROJECT COORD: OPER: APPR:

DATE: DATE: DATE:

SCALE: 1" = 200' AFE: 67159

TO-T13-300-2-109A **G**

PROTECTION EASEMENT	LINE LIST	RODS	PIPELINE STATIONING
		158+40	
		804	
		166+96	
		800.01	
		171+86	
		803	
		180+22	
		802	
		191+18	
		801	
		192+05	
		800.03	
		192+67	
		800.02	
		198+21	
		800.01	
		198+19	
		800	
		199+85	
		899	
		207+52	
		895	
		211+20	



L.L. NO.	OWNERSHIP	WORKSPACE INSETS	PIPE SUMMARY	REFERENCE DRAWINGS	ISSUED FOR FERC RESUBMITTAL	REVISIONS	AREA: NASSAU DIV.: NORTHERN
804							DRAFTER: AJ5 DATE: 01/22/14
803.01							DRAFT COORD: SAM DATE: 01/24/14
803							
802							
801							
800.03							
800.02							
800.01							
800							
799							
798							

HARTFORD COUNTY, CONNECTICUT
TOWN OF SUFFIELD

SOIL TYPE LEGEND

109	Fluviocretaceous-Udfluvents complex, frequently flooded
28A	Elmridge fine sandy loam, 0 to 3 percent slopes
82B	Broadbrook silt loam, 3 to 8 percent slopes
9	Scitico, Shaker, and Maybide soils
28B	Elmridge fine sandy loam, 3 to 8 percent slopes
27A	Belgrade silt loam, 0 to 5 percent slopes
10	Raynham silt loam
308	Udorthents, smoothed

LEGEND

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FIELD NOTES

TEST: _____
 RADIOGRAPH: _____

ISSUED FOR FERC RESUBMITTAL

NOTE: MAOP IS 800 PSIG, OPERATING 719 PSIG

SCALE

200 100 0 200 400

IMAGERY DATE: JULY, 2012

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B	67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM	
A	67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM	

CONNECTICUT EXPANSION
CONNECTICUT LOOP 300
PROPOSED 24" NATURAL GAS PIPELINE

HARTFORD COUNTY, CONNECTICUT

DESIGN COORD: PROJECT COORD: OPER: APPR:

DATE: DATE: DATE: DATE: DATE: DATE:

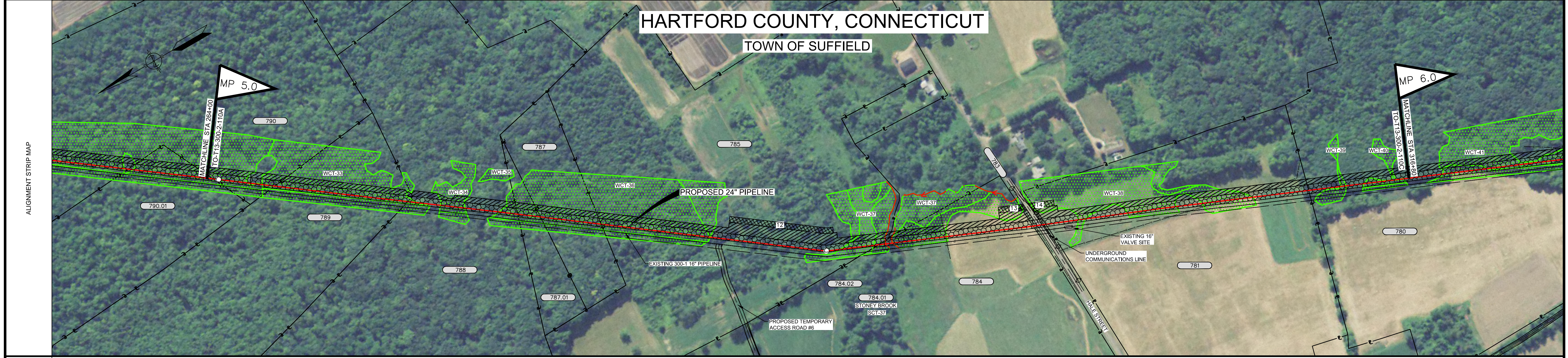
SCALE: 1" = 200' AFE: 67159

TO-T13-300-2-110 G

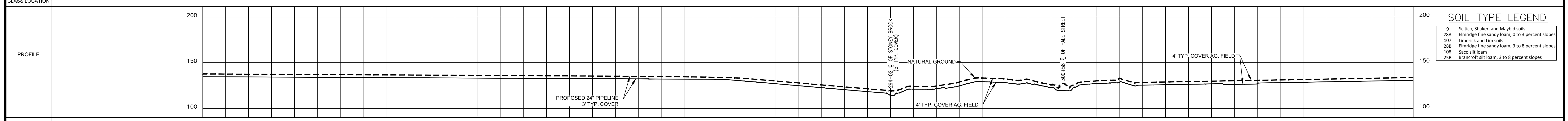


PROTECTION EASEMENT																																											
LINE LIST																																											
ROADS	<table border="1"> <tr><td>264+00</td><td>790.01</td><td>1.6</td></tr> <tr><td>264+26</td><td>780</td><td>16.4</td></tr> <tr><td>264+49</td><td>789</td><td>35.5</td></tr> <tr><td>272+82</td><td>788</td><td>29.2</td></tr> <tr><td>277+64</td><td>787</td><td>6.1</td></tr> <tr><td>278+65</td><td>787</td><td>16.1</td></tr> <tr><td>281+51</td><td>785</td><td>73.8</td></tr> <tr><td>293+48</td><td>784.02</td><td>3</td></tr> <tr><td>294+02</td><td>784.01</td><td>294+02</td></tr> <tr><td>298+38</td><td>784</td><td>38</td></tr> <tr><td>300+28</td><td>783</td><td>3.4</td></tr> <tr><td>301+84</td><td>781</td><td>70.1</td></tr> <tr><td>312+40</td><td>780</td><td>26.7</td></tr> <tr><td>316+80</td><td>780</td><td>316+80</td></tr> </table>	264+00	790.01	1.6	264+26	780	16.4	264+49	789	35.5	272+82	788	29.2	277+64	787	6.1	278+65	787	16.1	281+51	785	73.8	293+48	784.02	3	294+02	784.01	294+02	298+38	784	38	300+28	783	3.4	301+84	781	70.1	312+40	780	26.7	316+80	780	316+80
264+00	790.01	1.6																																									
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272+82	788	29.2																																									
277+64	787	6.1																																									
278+65	787	16.1																																									
281+51	785	73.8																																									
293+48	784.02	3																																									
294+02	784.01	294+02																																									
298+38	784	38																																									
300+28	783	3.4																																									
301+84	781	70.1																																									
312+40	780	26.7																																									
316+80	780	316+80																																									

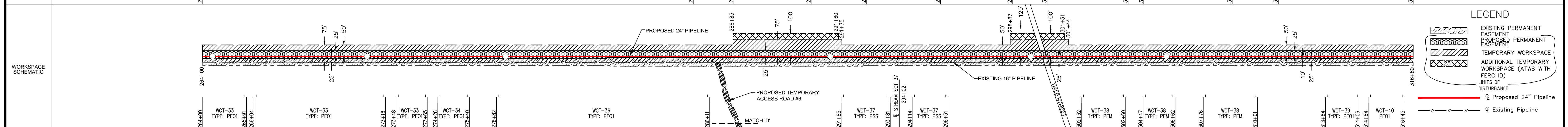
PIPELINE STATIONING	<p>264+26 PROPERTY LINE 264+49 P.L. & 0.0007' RT. 265+91 EXIT WETLAND WCT-33 266+04 ENTER WETLAND WCT-33 266+98 PROPERTY LINE</p> <p>272+82 PROPERTY LINE 273+18 EXIT WETLAND WCT-33 273+49 ENTER WETLAND WCT-33 274+28 ENTER WETLAND WCT-34 275+40 EXIT WETLAND WCT-34 276+82 ENTER WETLAND WCT-36 277+64 PROPERTY LINE 278+65 PROPERTY LINE 281+51 PROPERTY LINE</p> <p>286+11 EXIT WETLAND WCT-36 286+11 & 0.0007' RT. 286+12 & 0.0007' RT. 287+13 TREE LINE CROSSING</p> <p>291+85 ENTER WETLAND WCT-37 291+85 P.L. & 13.3833' LT. 293+20 TREE LINE CROSSING 293+48 PROPERTY LINE 293+52 FENCE LINE CROSSING 293+81 EXIT WETLAND WCT-37 294+02 & 0.0007' RT. 294+14 ENTER WETLAND WCT-37 294+14 TOP OF BANK 294+14 HEDGE ROW / BRUSH</p> <p>298+38 FENCE LINE CROSSING 298+51 EXIT WETLAND WCT-37 300+28 PROPERTY LINE 300+28 FENCE LINE CROSSING 300+46 EDGE OF ROAD 300+46 & 0.0007' RT. 300+58 & 0.0007' RT. 300+58 EDGE OF ROAD 300+68 TOP OF SLOPE 300+76 UNDERGROUND COMMUNICATIONS LINE CROSSING (61' TIE TO POLE #498)</p> <p>301+84 PROPERTY LINE (CHANNING) RT. 301+84 FENCE CORNER (CHANNING) RT. 301+92 FENCE CORNER (CHANNING) RT. 301+98 FENCE CORNER (CHANNING) RT. 302+32 ENTER WETLAND WCT-38 302+45 TOP OF SLOPE 302+45 WETLAND WCT-38 304+97 ENTER WETLAND WCT-38</p> <p>306+62 EXIT WETLAND WCT-38 307+76 ENTER WETLAND WCT-38 308+66 FENCE LINE CROSSING 310+01 EXIT WETLAND WCT-38</p> <p>312+40 PROPERTY LINE 314+84 ENTER WETLAND WCT-39 314+08 EXIT WETLAND WCT-39 314+84 ENTER WETLAND WCT-40 315+95 TREE LINE CROSSING 316+32 TREE LINE CROSSING 316+80 EXIT WETLAND WCT-40</p>
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MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



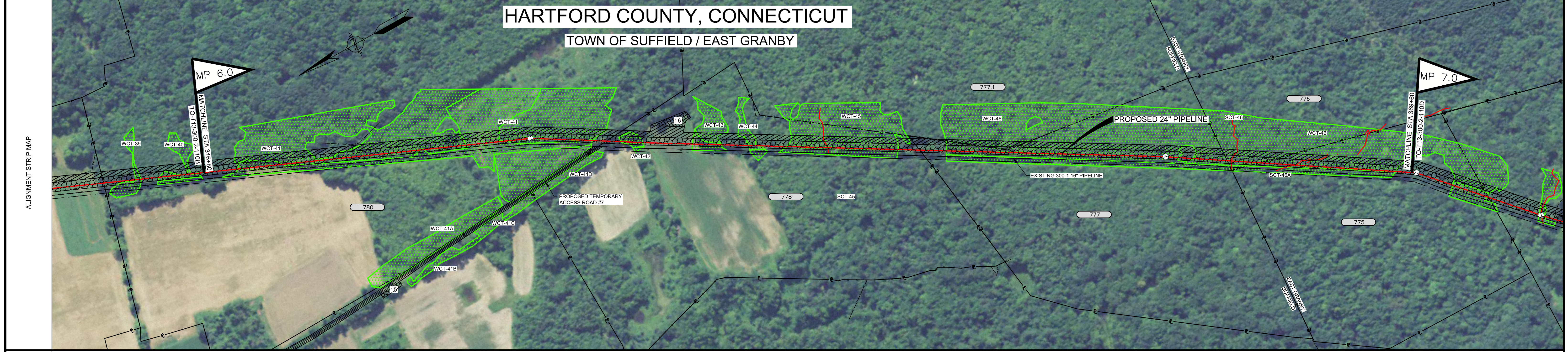
ENVIRONMENTAL																											
SOIL TYPE	<table border="1"> <tr><td>264+00</td><td>9</td></tr> <tr><td>264+60</td><td>28A</td></tr> <tr><td>267+36</td><td>9</td></tr> <tr><td>290+76</td><td>28A</td></tr> <tr><td>293+02</td><td>107</td></tr> <tr><td>298+28</td><td>28B</td></tr> <tr><td>299+44</td><td>108</td></tr> <tr><td>300+92</td><td>28B</td></tr> <tr><td>301+36</td><td>108</td></tr> <tr><td>302+76</td><td>9</td></tr> <tr><td>308+84</td><td>25B</td></tr> <tr><td>310+86</td><td>9</td></tr> <tr><td>316+80</td><td>9</td></tr> </table>	264+00	9	264+60	28A	267+36	9	290+76	28A	293+02	107	298+28	28B	299+44	108	300+92	28B	301+36	108	302+76	9	308+84	25B	310+86	9	316+80	9
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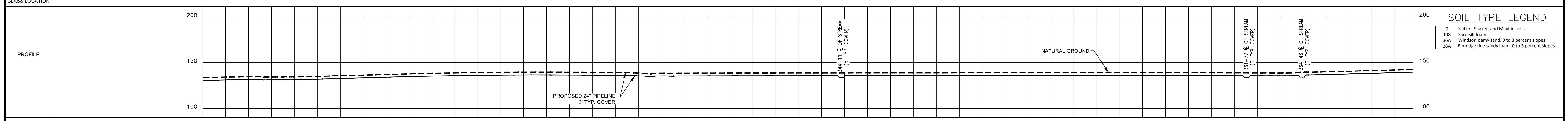
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790.01		MATCH 'D'	NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING COATING/PADDING SUMMARY A EXTERNAL FBE UC-200 14-16 MILS B EXTERNAL FBE UC-200 14-16 MILS W/ BUOYANCY CONTROL C EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION D EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO FIELD NOTES TEST: _____ RADIOGRAPH: _____		NOTE: MAOP IS 800 PSIG, OPERATING 719 PSIG SCALE 200 100 0 200 400 IMAGERY DATE: JULY, 2012	<table border="1"> <tr><td>G 67159 & 67170</td><td>ISSUED FOR FERC RESUBMITTAL</td><td>03/13/15</td><td>AJP</td><td>RE</td></tr> <tr><td>F 67159 & 67170</td><td>ADDED ATWS NUMBERING</td><td>12/09/14</td><td>AJP</td><td>RE</td></tr> <tr><td>E 67159 & 67170</td><td>ISSUED FOR FERC</td><td>06/27/14</td><td>AJS</td><td>SAM</td></tr> <tr><td>D 67159</td><td>RE-ROUTE FOR HDD</td><td>06/17/14</td><td>AJS</td><td>SAM</td></tr> <tr><td>C 67159</td><td>PRELIMINARY REVIEW</td><td>04/24/14</td><td>AJS</td><td>SAM</td></tr> <tr><td>B 67159</td><td>PRELIMINARY REVIEW</td><td>04/04/14</td><td>AJS</td><td>SAM</td></tr> <tr><td>A 67159</td><td>PRELIMINARY REVIEW</td><td>01/25/14</td><td>AJS</td><td>SAM</td></tr> </table>	G 67159 & 67170	ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP	RE	F 67159 & 67170	ADDED ATWS NUMBERING	12/09/14	AJP	RE	E 67159 & 67170	ISSUED FOR FERC	06/27/14	AJS	SAM	D 67159	RE-ROUTE FOR HDD	06/17/14	AJS	SAM	C 67159	PRELIMINARY REVIEW	04/24/14	AJS	SAM	B 67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM	A 67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM	<table border="1"> <tr><td>DATE: 01/22/14</td><td>DATE: 01/24/14</td></tr> <tr><td>SCALE: 1" = 200'</td><td>AFE: 67159</td></tr> </table>	DATE: 01/22/14	DATE: 01/24/14	SCALE: 1" = 200'	AFE: 67159
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CONNECTICUT EXPANSION CONNECTICUT LOOP 300 PROPOSED 24" NATURAL GAS PIPELINE HARTFORD COUNTY, CONNECTICUT TO-T13-300-2-110B																																														

PROTECTION EASEMENT	LINE LIST	RODS	PIPELINE STATIONING
	C780	106.8	
			318+29 ENTER WETLAND WCT-41 318+54 TREE LINE CROSSING 318+54 TREE LINE CROSSING
			321+01 TREE LINE CROSSING
			327+51 TREE LINE CROSSING 327+94 TREE LINE CROSSING 329+40 TREE LINE CROSSING
			330+54 TREE LINE CROSSING 331+12 EIL < 25' (C41' RT.)
			332+43 TREE LINE CROSSING 333+00 TREE LINE CROSSING 333+89 EXIT WETLAND WCT-41 334+59 EDE OF ACCESS ROAD 334+44 E OF PROPOSED TEMPORARY ACCESS ROAD #7
			334+44 PROPERTY LINE 334+50 EDE OF ACCESS ROAD 334+48 TREE LINE CROSSING 334+48 TREE LINE CROSSING 336+08 EXIT WETLAND WCT-42 336+13 HEDGE ROW / BRUSH 336+18 E OF PROPOSED TEMPORARY ACCESS ROAD 336+32 EDE OF ACCESS ROAD 336+23 ENTER WETLAND WCT-43 338+60 TREE LINE CROSSING
			339+49 EXIT WETLAND WCT-43
			340+70 ENTER WETLAND WCT-44
			341+30 EXIT WETLAND WCT-44
			342+31 ENTER WETLAND WCT-45
			344+09 TOP OF BANK 344+10 DE OF BANK 344+11 E OF STREAM SCI-45 344+12 DE OF BANK 344+14 TOP OF BANK
			347+20 EXIT WETLAND WCT-45
			348+12 PROPERTY LINE
			349+33 ENTER WETLAND WCT-46
			351+66 FENCE CORNER (BARB WIRE) 15' LT. 351+94 MONUMENT, PWD 5' IRON PIPE 11' LT.
			358+83 P.L. < 207.51' RT. 359+47 EXIT WETLAND WCT-46 360+01 ENTER WETLAND WCT-46
			361+53 PROPERTY LINE 361+75 TOP OF BANK 361+77 TOP OF BANK 361+87 E OF STREAM SCI-46 361+87 E OF STREAM SCI-46 362+95 PROPERTY LINE
			364+44 TOP OF BANK 364+46 E OF STREAM SCI-46A 364+50 TOP OF BANK
			368+94 EXIT WETLAND WCT-46

HARTFORD COUNTY, CONNECTICUT TOWN OF SUFFIELD / EAST GRANBY

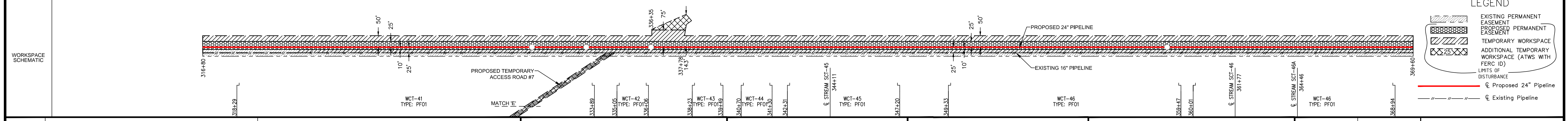


MATERIAL	COATING	DESIGN FACTOR	CLASS LOCATION



SOIL TYPE LEGEND	
9	Sitico, Shaker, and Maybid soils
108	Saco silt loam
36A	Windsor loamy sand, 0 to 3 percent slopes
28A	Etnridge fine sandy loam, 0 to 3 percent slopes

ENVIRONMENTAL	SOIL TYPE
	9
	108
	9
	36A
	28A
	9
	9
	28A
	9
	9



LEGEND	
[Symbol]	EXISTING PERMANENT EASEMENT
[Symbol]	PROPOSED PERMANENT EASEMENT
[Symbol]	TEMPORARY WORKSPACE
[Symbol]	ADDITIONAL TEMPORARY WORKSPACE (ATWS WITH FERC ID)
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	Proposed 24" Pipeline
[Symbol]	Existing Pipeline

L.L. NO.	OWNERSHIP	WORKSPACE INSETS	PIPE SUMMARY	REFERENCE DRAWINGS	ISSUED FOR FERC RESUBMITTAL	REVISIONS	AREA: NASSAU DIV.: NORTHERN	DESIGN COORD. PROJECT COORD. OPER. APPRO.	DATE: 01/22/14 DATE: 01/24/14 DATE:	SCALE: 1"=200' AFE: 67159	CONNECTICUT EXPANSION CONNECTICUT LOOP 300 PROPOSED 24" NATURAL GAS PIPELINE HARTFORD COUNTY, CONNECTICUT	TO-T13-300-2-110C	G
780							Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company						
778													
777.1													
777													
776													
775													

PIPE SUMMARY

NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING

COATING/PADDING SUMMARY

A EXTERNAL FBE UC-200 14-16 MILS
 B EXTERNAL FBE UC-200 14-16 MILS W/ BUOYANCY CONTROL
 C EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION
 D EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO

FIELD NOTES

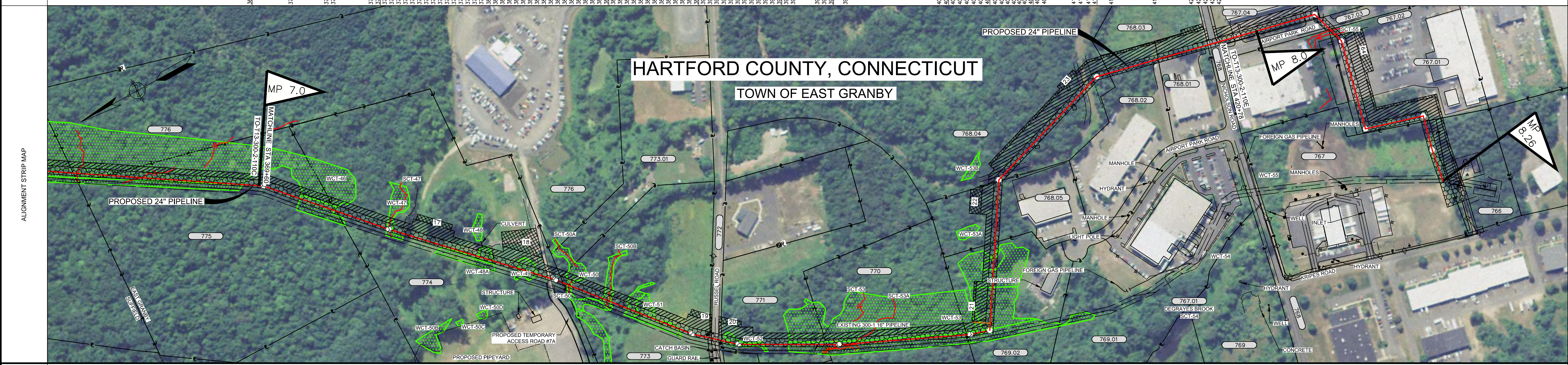
TEST: _____
 RADIOGRAPH: _____

REVISIONS

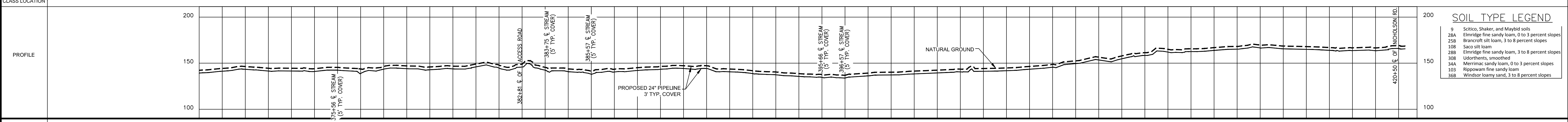
NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
G	67159 & 67170	ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP	RE	
F	67159 & 67170	ADDED ATWS NUMBERING	12/09/14	AJP	RE	
E	67159 & 67170	ISSUED FOR FERC	06/27/14	AJS	SAM	
D	67159	RE-ROUTE FOR HDD	06/17/14	AJS	SAM	
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B	67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM	
A	67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM	

PROTECTION EASEMENT	775.01																	
LINE LIST	775																	
ROADS	775																	
	369+60	373+12	375	383+45	393	397	399	401	403	405	407	409	411	413	415	417	419	421
	21.4		62.6		40.6	3.8	27.7		36.9	29.4	16	41.2	13.5	13.6	3.5			

PIPELINE STATIONING	775																	
	369+60	373+12	375	383+45	393	397	399	401	403	405	407	409	411	413	415	417	419	421
	21.4		62.6		40.6	3.8	27.7		36.9	29.4	16	41.2	13.5	13.6	3.5			

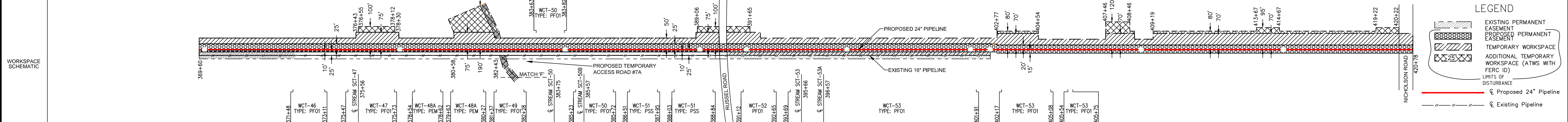


MATERIAL																		
COATING																		
DESIGN FACTOR																		
CLASS LOCATION																		



ENVIRONMENTAL																				
SOIL TYPE																				
	369+60	373+12	375+40	378+31	378+68	380+56	382+81	384+67	385+84	388+28	391+47	395+38	400+46	404+46	407+44	408+46	409+19	411+47	419+22	420+78
	9	28A	9	25B	28A	108	28B	108	9	9	9	9	9	9	9	9	9	9	9	9

SOIL TYPE LEGEND	
9	Scitico, Shaker, and Maybird soils
28A	Etnridge fine sandy loam, 0 to 3 percent slopes
25B	Brancroft silt loam, 3 to 8 percent slopes
108	Saco silt loam
28B	Etnridge fine sandy loam, 3 to 8 percent slopes
308	Udorthents, smoothed
34A	Merrimac sandy loam, 0 to 3 percent slopes
133	Rippowam fine sandy loam
36B	Windsor loamy sand, 3 to 8 percent slopes



LEGEND	
[Symbol]	EXISTING PERMANENT EASEMENT
[Symbol]	PROPOSED PERMANENT EASEMENT
[Symbol]	TEMPORARY WORKSPACE
[Symbol]	ADDITIONAL TEMPORARY WORKSPACE (ATWS WITH FERC ID)
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[Symbol]	Proposed 24" Pipeline
[Symbol]	Existing Pipeline

L.L. NO.	OWNERSHIP	WORKSPACE INSETS	PIPE SUMMARY	REFERENCE DRAWINGS	ISSUED FOR FERC RESUBMITTAL	REVISIONS	AREA: NASSAU DIV.: NORTHERN
775							DATE: 01/22/14
774							DATE: 01/24/14
773.01							
773							
772							
771							
769.02							
769							
767.01							
769							
768							
767							

WORKSPACE INSETS

PIPE SUMMARY

NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING COATING/PADDING SUMMARY

A EXTERNAL FBE UC-200 14-16 MILS
 B EXTERNAL FBE UC-200 14-16 MILS W/ BUOYANCY CONTROL
 C EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION
 D EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO

FIELD NOTES

TEST: _____
 RADIOGRAPH: _____

SCALE

IMAGERY DATE: JULY, 2012

ISSUED FOR FERC RESUBMITTAL

NOTE: MAOP IS 800 PSIG, OPERATING 719 PSIG

NO. PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
G 67159 & 67170	ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP	RE	
F 67159 & 67170	ADDED ATWS NUMBERING	12/09/14	AJP	RE	
E 67159 & 67170	ISSUED FOR FERC	06/27/14	AJS	SAM	
D 67159	RE-ROUTE FOR HDD	06/17/14	AJS	SAM	
C 67159	PRELIMINARY REVIEW	04/24/14	AJS	SAM	
B 67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM	
A 67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM	

**CONNECTICUT EXPANSION
 CONNECTICUT LOOP 300
 PROPOSED 24" NATURAL GAS PIPELINE**

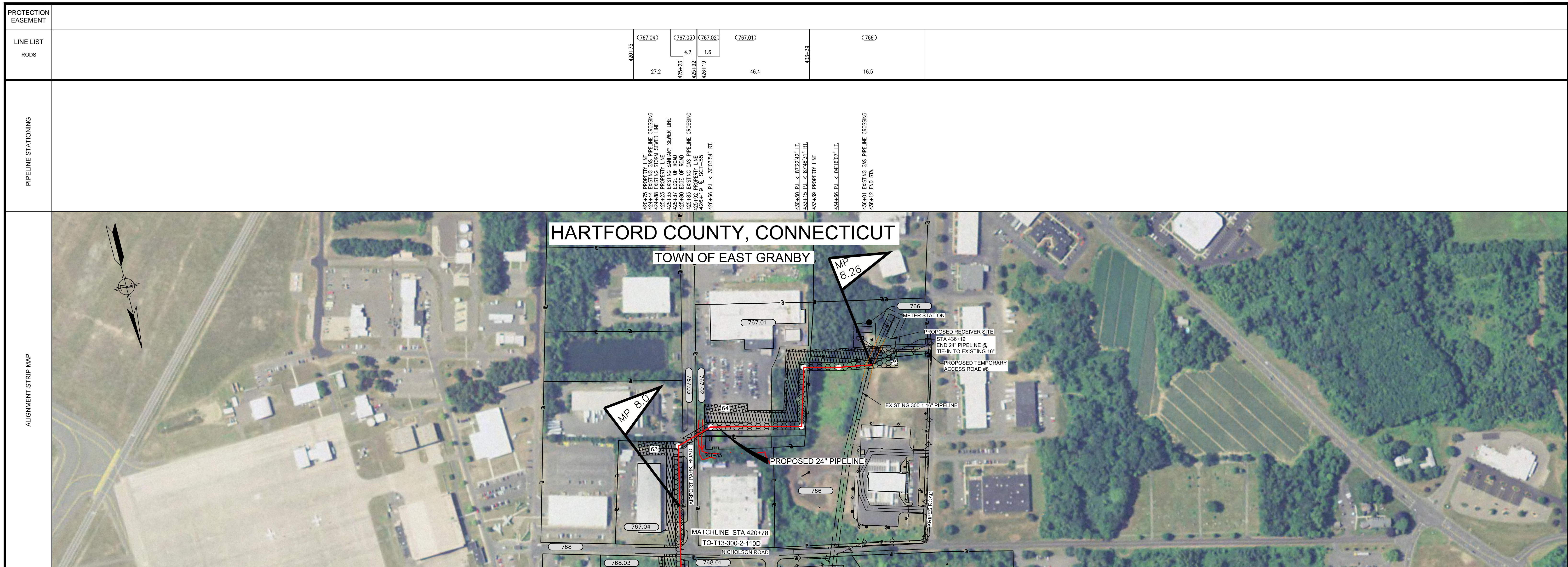
**HARTFORD COUNTY,
 CONNECTICUT**

DESIGN COORD: PROJECT COORD: OPER: APPR:

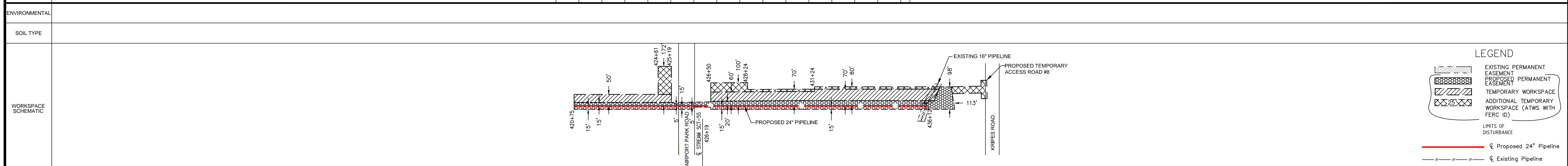
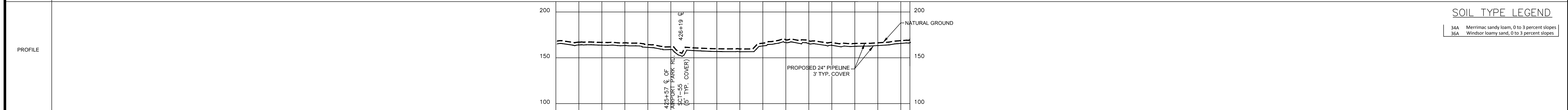
DATE: _____ DATE: _____ DATE: _____

SCALE: 1" = 200' AFE: 67159

TO-T13-300-2-110D **G**



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



L.L. NO.	OWNERSHIP	WORKSPACE INSETS	PIPE SUMMARY	REFERENCE DRAWINGS	ISSUED FOR FERC RESUBMITTAL	REVISIONS	AREA: NASSAU DIV.: NORTHERN																																																								
767 766			<p>NOTE: BC = BUOYANCY CONTROL RP = ROCK PROTECTION/PADDING</p> <p>COATING/PADDING SUMMARY</p> <p>A EXTERNAL FBE UC-200 14-16 MILS</p> <p>B EXTERNAL FBE UC-200 14-16 MILS W/ BUOYANCY CONTROL</p> <p>C EXTERNAL FBE UC-200 14-16 MILS W/ ROCK PROTECTION</p> <p>D EXTERNAL FBE UC-200 14-16 MILS W/ 40 OR 70 MILS ARO</p> <p>FIELD NOTES</p> <p>TEST: _____</p> <p>RADIOGRAPH: _____</p>		<p>NOTE: MAOP IS 800 PSIG, OPERATING 719 PSIG</p> <p>SCALE</p> <p>200 100 0 200 400</p> <p>IMAGERY DATE: JULY, 2012</p>	<table border="1"> <thead> <tr> <th>NO</th> <th>PROJ ID</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>CK</th> <th>APPR</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>67159 & 67170</td> <td>ISSUED FOR FERC RESUBMITTAL</td> <td>03/13/15</td> <td>AJP</td> <td>RE</td> <td></td> </tr> <tr> <td>F</td> <td>67159 & 67170</td> <td>ADDED ATWS NUMBERING</td> <td>12/09/14</td> <td>AJP</td> <td>RE</td> <td></td> </tr> <tr> <td>E</td> <td>67159 & 67170</td> <td>ISSUED FOR FERC</td> <td>06/27/14</td> <td>AJS</td> <td>SAM</td> <td></td> </tr> <tr> <td>D</td> <td>67159</td> <td>RE-ROUTE FOR HDD</td> <td>06/17/14</td> <td>AJS</td> <td>SAM</td> <td></td> </tr> <tr> <td>C</td> <td>67159</td> <td>PRELIMINARY REVIEW</td> <td>04/24/14</td> <td>AJS</td> <td>SAM</td> <td></td> </tr> <tr> <td>B</td> <td>67159</td> <td>PRELIMINARY REVIEW</td> <td>04/04/14</td> <td>AJS</td> <td>SAM</td> <td></td> </tr> <tr> <td>A</td> <td>67159</td> <td>PRELIMINARY REVIEW</td> <td>01/25/14</td> <td>AJS</td> <td>SAM</td> <td></td> </tr> </tbody> </table>	NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR	G	67159 & 67170	ISSUED FOR FERC RESUBMITTAL	03/13/15	AJP	RE		F	67159 & 67170	ADDED ATWS NUMBERING	12/09/14	AJP	RE		E	67159 & 67170	ISSUED FOR FERC	06/27/14	AJS	SAM		D	67159	RE-ROUTE FOR HDD	06/17/14	AJS	SAM		C	67159	PRELIMINARY REVIEW	04/24/14	AJS	SAM		B	67159	PRELIMINARY REVIEW	04/04/14	AJS	SAM		A	67159	PRELIMINARY REVIEW	01/25/14	AJS	SAM		<p>DRAFTER: AJS DATE: 01/22/14</p> <p>DRAFT. COORD: SAM DATE: 01/24/14</p> <p>DESIGN COORD: _____ DATE: _____</p> <p>PROJECT COORD: _____ DATE: _____</p> <p>OPER. APPR: _____ DATE: _____</p>
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