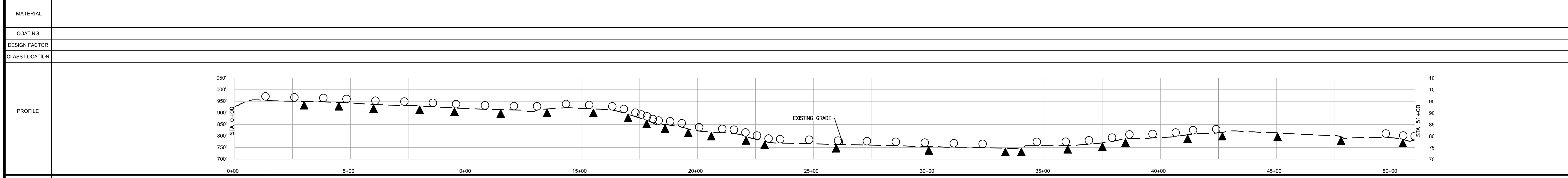
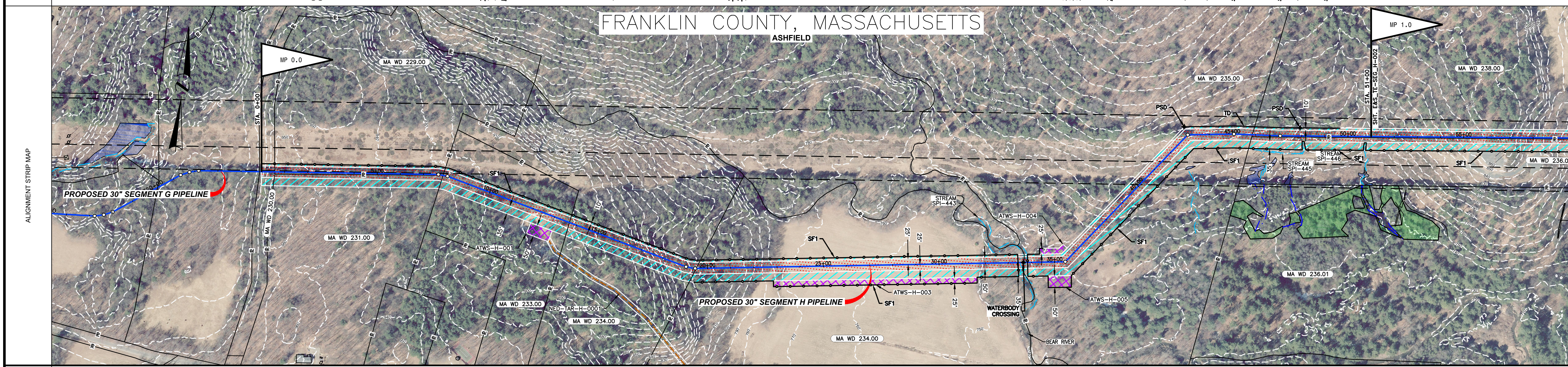


PROTECTION EASEMENT	
LINE LIST	<div style="display: flex; justify-content: space-between; padding: 5px;"> <div> <p>MA WD 362.00</p> <p>MA WD 363.00</p> <p>MA WD 365.00</p> </div> <div> <p>MA WD 364.00</p> </div> <div> <p>MA WD 365.00</p> <p>MA WD 365.00</p> </div> <div> <p>MA WD 366.00</p> </div> <div> <p>MA WD 367.00</p> </div> </div>
PIPELINE STATIONING	<p>0+00 BEGIN STA</p> <p>0+57 PROPERTY LINE</p> <p>7+81 PROPERTY LINE</p> <p>8+00 PROPERTY LINE</p> <p>13+88 PROPERTY LINE</p> <p>18+08 P.L. = 18+08' E.L.</p> <p>18+81 PROPERTY LINE</p> <p>19+51 PROPERTY LINE</p> <p>33+50 EDGE OF STREAM</p> <p>33+64 PROPERTY LINE</p> <p>33+75 EDGE OF STREAM</p> <p>35+48 P.L. = 35+48' E.L.</p> <p>40+09 FOREIGN EASEMENT</p> <p>41+46 FOREIGN EASEMENT</p> <p>43+07 P.L. = 43+07' E.L.</p> <p>46+07 P.L. = 46+07' E.L.</p> <p>46+87 PROPERTY LINE</p> <p>47+87 P.L. = 47+87' E.L.</p>



ENVIRONMENTAL	
SOILS	

NOTES

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LEGEND

	EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT		PA HG3 400.00	LINE LIST NUMBER
	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		POTENTIAL STAGING AREA	PROPOSED PIPELINE
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		OVERHEAD POWER LINE	EXISTING FIBER OPTIC LINE
	LIMITS OF DISTURBANCE		PROPERTY LINE		MUNICIPAL LINE	WETLAND (PUBLIC)
	WETLAND (PHOTO INTERPRETED)		WETLAND (DELINEATED)		STREAM (DELINEATED)	STREAM (PHOTO INTERPRETED)
	ACCESS ROAD		FENCE LINE			

REFERENCE DRAWINGS

TYPICALS

SCALE

IMAGERY: APRIL/MAY 2015

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0		ISSUE FOR FERC	11/2015	HMM	HMM	

AREA: DIV:

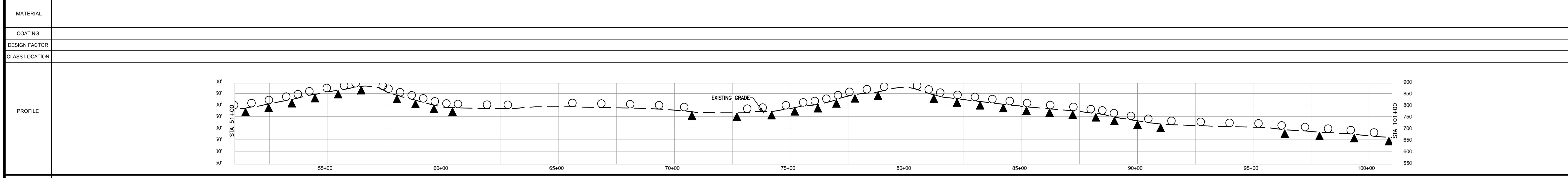
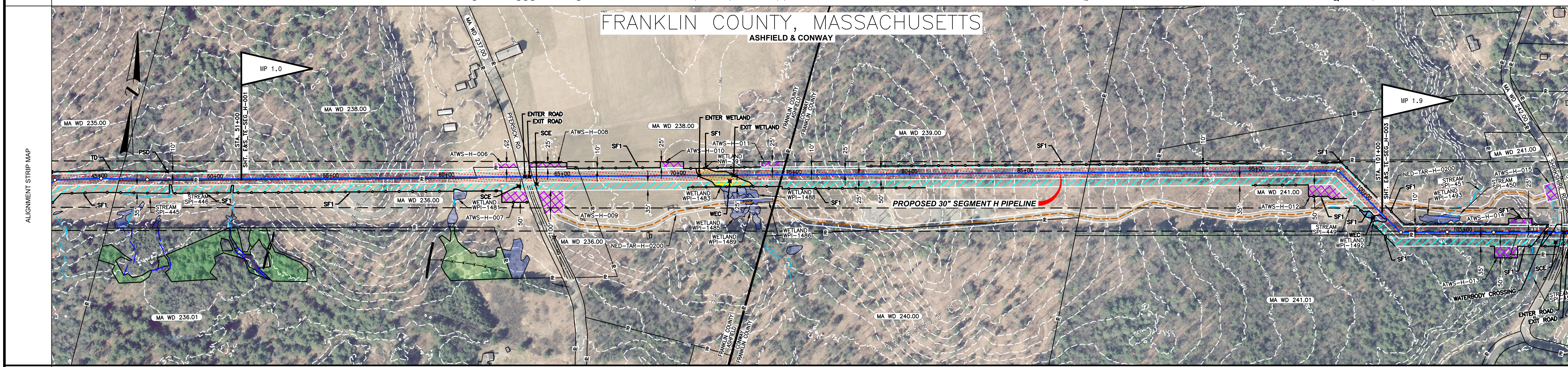
DRAFTER: HMM DATE: 01-12-15

COORD: HMM DATE: 01-12-15

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

DESIGN COORD: DATE: SCALE: 1 = 200' PROJ. ID: E&S_TE-SEG_H-001 0

PROTECTION EASEMENT	
LINE LIST	<div style="display: flex; justify-content: space-between;"> <div>916+00</div> <div>MA WD 367.00</div> <div>934+44</div> <div>MA WD 367.00</div> <div>937+92</div> <div>MA WD 367.00</div> <div>952+33</div> <div>MA WD 367.00</div> <div>958+75</div> <div>MA WD 367.01</div> <div>961+76</div> <div>MA WD 367.02</div> <div>965+00</div> </div>
PIPELINE STATIONING	<div style="display: flex; justify-content: space-between;"> <div>61+29 PROPERTY LINE</div> <div>63+20 PROPERTY LINE 63+46 E. OF PERDICK RD 63+73 PROPERTY LINE</div> <div>65+79 PROPERTY LINE</div> <div>70+91 EDGE OF WETLAND</div> <div>72+41 EDGE OF WETLAND</div> <div>74+47 PROPERTY LINE 74+51 MUNICIPAL LINE</div> <div>87+72 PROPERTY LINE</div> <div>88+53 E. OF 457+00 FT. E.</div> <div>100+82 FOREIGN EASEMENT</div> </div>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

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LEGEND

EXISTING PERMANENT EASEMENT	PROPOSED PERMANENT EASEMENT	TEMPORARY WORKSPACE	ADDITIONAL TEMPORARY WORKSPACE (ATWS)	POTENTIAL STAGING AREA	PROPOSED PIPELINE	EXISTING TENNESSEE GAS PIPELINE	EXISTING FOREIGN PIPELINE	OVERHEAD POWER LINE	EXISTING FIBER OPTIC LINE
LIMITS OF DISTURBANCE	PROPERTY LINE	MUNICIPAL LINE	WETLAND (PUBLIC)	WETLAND (PHOTO INTERPRETED)	WETLAND (DELINEATED)	STREAM (DELINEATED)	STREAM (PHOTO INTERPRETED)	ACCESS ROAD	FENCE LINE

REFERENCE DRAWINGS

TYPICALS

SCALE

200 100 0 200 400

IMAGERY: MASSGIS/AZ02015

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0		ISSUE FOR FERC	11/2015	HMM	HMM	

AREA: _____

DIV: _____

DRAFTER: HMM

DATE: 01-12-15

DRAFT: HMM

COORD: HMM

DATE: 01-12-15

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

DESIGN COORD: _____

DATE: _____

PROJECT COORD: _____

DATE: _____

OPER. APPR: _____

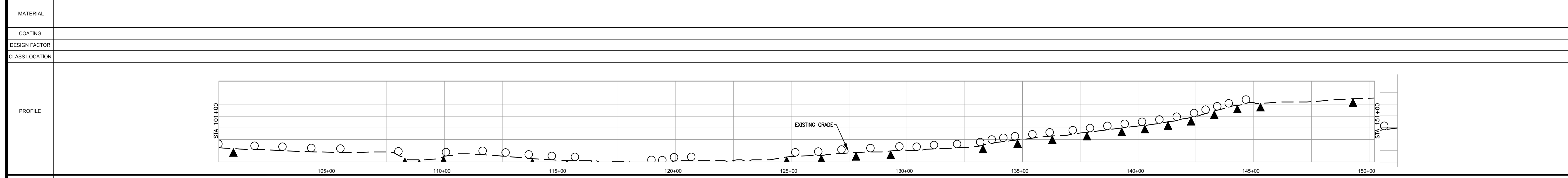
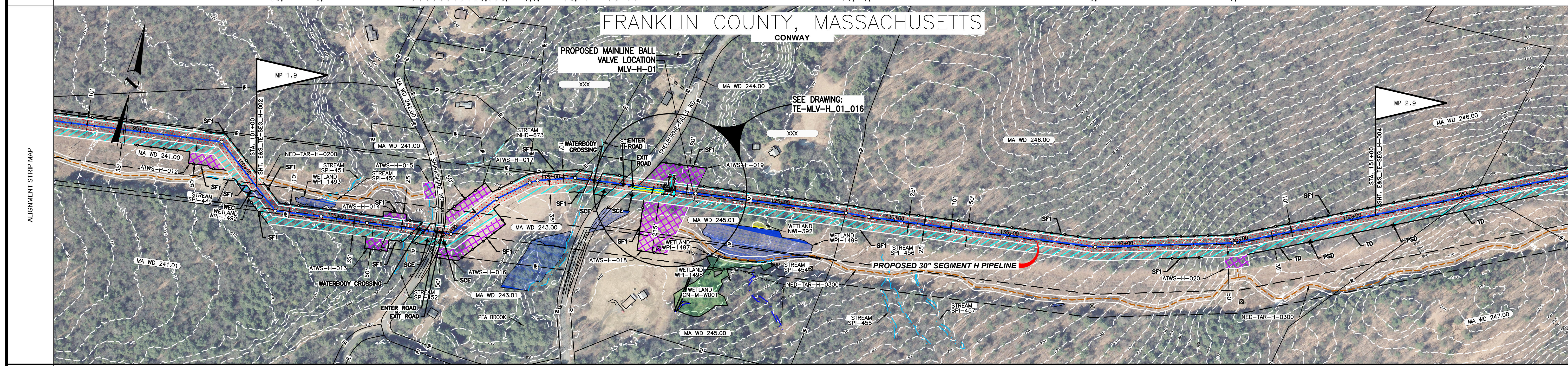
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E&S_TE-SEG_H-002

PROJ. ID: _____

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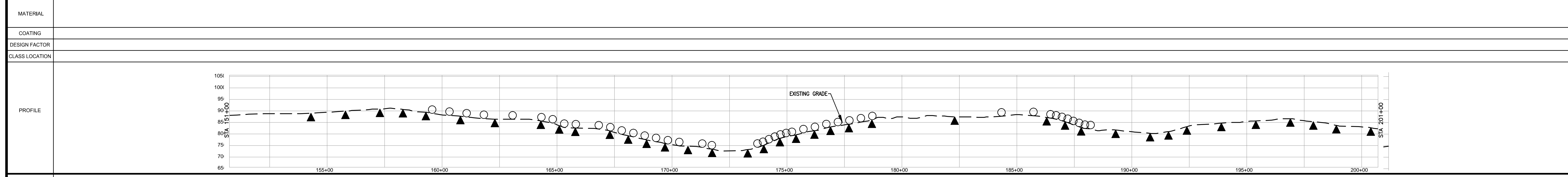
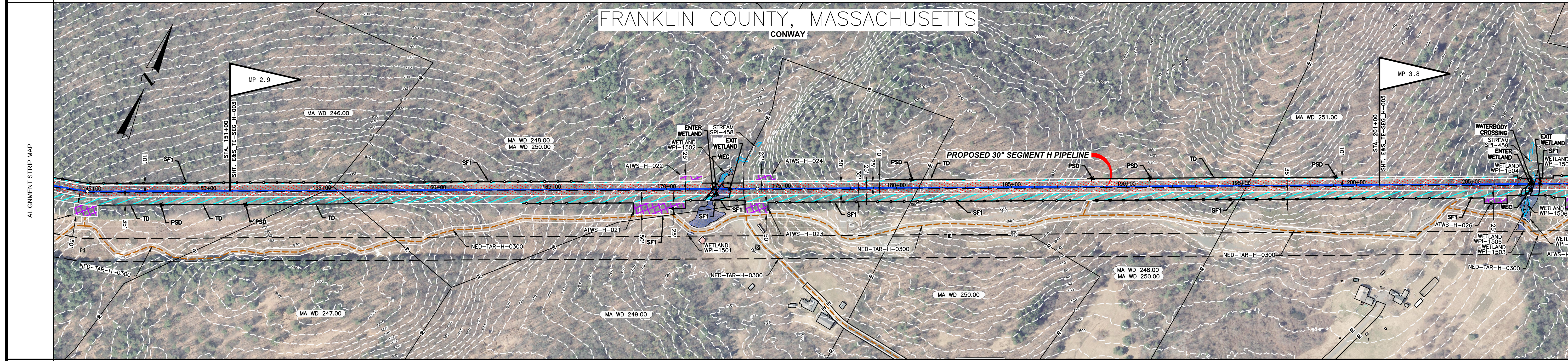
PROTECTION EASEMENT													
LINE LIST	<table border="1"> <tr> <td>MA WD 367.02</td> <td>MA WD 368.01</td> <td>MA WD 368.02</td> <td>MA WD 368.00</td> <td>MA WD 368.04</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> <td>MA WD 368.00</td> </tr> </table>	MA WD 367.02	MA WD 368.01	MA WD 368.02	MA WD 368.00	MA WD 368.04	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00
MA WD 367.02	MA WD 368.01	MA WD 368.02	MA WD 368.00	MA WD 368.04	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00	MA WD 368.00		
PIPELINE STATIONING	<p>102+25 FOREIGN EASEMENT 102+32 P.L. = 243007' LT.</p> <p>104+32 P.L. = 243032' RT.</p> <p>108+46 EDGE OF STREAM 108+54 UTILITY POLE 199' RT. 108+54 PROPERTY LINE 109+25 PROPERTY LINE 109+37 EDGE OF PAVEMENT 109+51 E. OF S. SHIRKSHIRE RD 109+59 EDGE OF PAVEMENT 109+68 OVERHEAD POWER LINE 109+68 UTILITY POLE 57' RT. 109+68 P.L. = 4570007' LT.</p> <p>110+06 FOREIGN EASEMENT 110+06 PROPERTY LINE 112+57 P.L. = 1178271' RT.</p> <p>114+07 P.L. = 1178507' RT.</p> <p>114+52 P.L. = 1178507' RT.</p> <p>115+25 FOREIGN EASEMENT 115+25 PROPERTY LINE 116+64 E. OF STREAM</p> <p>117+65 UTILITY POLE 107' RT. 117+97 PROPERTY LINE 118+50 E. OF SHIRKSHIRE FALLS 118+78 PROPERTY LINE</p> <p>127+86 PROPERTY LINE 127+87 P.L. = 243032' RT.</p> <p>128+87 P.L. = 243102' LT.</p> <p>138+75 P.L. = 243032' LT.</p> <p>144+70 P.L. = 243032' LT.</p>												



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

<p>NOTES</p> <ol style="list-style-type: none"> EXISTING TENNESSEE GAS PIPELINE PERMANENT EASEMENTS ARE NOT DEPICTED IN THEIR ENTIRETY. PUBLIC WETLANDS ARE OBTAINED FROM THE NATIONAL WETLAND INVENTORY (NWI) (AS DEFINED IN RESOURCE REPORT 2.3). PUBLIC STREAMS ARE OBTAINED FROM THE NATIONAL HYDROGRAPHY DATASET. (NHD). (AS DEFINED IN RESOURCE REPORT 2.2) PHOTO INTERPRETED WETLANDS AND STREAMS ARE A RESULT OF A HIGH RESOLUTION PHOTOGRAPHIC INTERPOLATION. DELINEATED WETLANDS AND STREAMS ARE THE RESULT OF AN ENVIRONMENTAL GROUND SURVEY. PROPERTY LINES ARE BASED ON TAX MAPS AND ARE NOT THE RESULT OF A FULL BOUNDARY SURVEY. TRENCH PLUGS SHALL BE INSTALLED AT ALL ROAD CROSSINGS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. PERMANENT SLOPE BREAKERS SHOWN IN CULTIVATED AREAS AND LAWNS SHALL ONLY BE INSTALLED WITH THE LANDOWNER'S PERMISSION. 	<p>LEGEND</p> <table border="1"> <tr> <td>EXISTING PERMANENT EASEMENT</td> <td>PA HG3 400.00</td> <td>LINE LIST NUMBER</td> </tr> <tr> <td>PROPOSED PERMANENT EASEMENT</td> <td>—R—</td> <td>PROPERTY LINE</td> </tr> <tr> <td>TEMPORARY WORKSPACE</td> <td>—M—</td> <td>MUNICIPAL LINE</td> </tr> <tr> <td>ADDITIONAL TEMPORARY WORKSPACE (ATWS)</td> <td>—W—</td> <td>WETLAND (PUBLIC)</td> </tr> <tr> <td>POTENTIAL STAGING AREA</td> <td>—P—</td> <td>WETLAND (PHOTO INTERPRETED)</td> </tr> <tr> <td>PROPOSED PIPELINE</td> <td>—S—</td> <td>WETLAND (DELINEATED)</td> </tr> <tr> <td>EXISTING TENNESSEE GAS PIPELINE</td> <td>—D—</td> <td>STREAM (DELINEATED)</td> </tr> <tr> <td>EXISTING FOREIGN PIPELINE</td> <td>—O—</td> <td>STREAM (PHOTO INTERPRETED)</td> </tr> <tr> <td>OVERHEAD POWER LINE</td> <td>—A—</td> <td>ACCESS ROAD</td> </tr> <tr> <td>EXISTING FIBER OPTIC LINE</td> <td>—F—</td> <td>FENCE LINE</td> </tr> </table>	EXISTING PERMANENT EASEMENT	PA HG3 400.00	LINE LIST NUMBER	PROPOSED PERMANENT EASEMENT	—R—	PROPERTY LINE	TEMPORARY WORKSPACE	—M—	MUNICIPAL LINE	ADDITIONAL TEMPORARY WORKSPACE (ATWS)	—W—	WETLAND (PUBLIC)	POTENTIAL STAGING AREA	—P—	WETLAND (PHOTO INTERPRETED)	PROPOSED PIPELINE	—S—	WETLAND (DELINEATED)	EXISTING TENNESSEE GAS PIPELINE	—D—	STREAM (DELINEATED)	EXISTING FOREIGN PIPELINE	—O—	STREAM (PHOTO INTERPRETED)	OVERHEAD POWER LINE	—A—	ACCESS ROAD	EXISTING FIBER OPTIC LINE	—F—	FENCE LINE	<p>REFERENCE DRAWINGS</p> <p>TYPICALS</p>	<p>REVISIONS</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>0</td> <td></td> <td>ISSUE FOR FERC</td> <td>11/2015</td> <td>HMM</td> <td>HMM</td> <td></td> </tr> </tbody> </table>	NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR	0		ISSUE FOR FERC	11/2015	HMM	HMM		<p>SCALE</p>	<p>AREA:</p> <p>DRAFTER: HMM PROJECT COORD: HMM</p> <p>DATE:</p> <p>DATE: 01-12-15 DATE: 01-12-15</p>	<p>Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company</p>
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PROTECTION EASEMENT	
LINE LIST	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>086+00</p> <p>MA WD 365.00</p> </div> <div style="width: 30%; text-align: center;"> <p>081+82</p> </div> <div style="width: 30%; text-align: right;"> <p>MA WD 365.00</p> <p>086+00</p> </div> </div>
PIPELINE STATIONING	



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

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	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		POTENTIAL STAGING AREA	PROPOSED PIPELINE
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		OVERHEAD POWER LINE	EXISTING FIBER OPTIC LINE
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	STREAM (DELINEATED)		STREAM (PHOTO INTERPRETED)		ACCESS ROAD	FENCE LINE

REFERENCE DRAWINGS

TYPICALS

SCALE

200 100 0 200 400

IMAGERY: MASSGIS/AZ02015

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
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AREA: _____

DIV: _____

DRAFTER: HMM

COORD: HMM

DATE: 01-12-15

DATE: 01-12-15

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

DESIGN COORD: _____

PROJECT COORD: _____

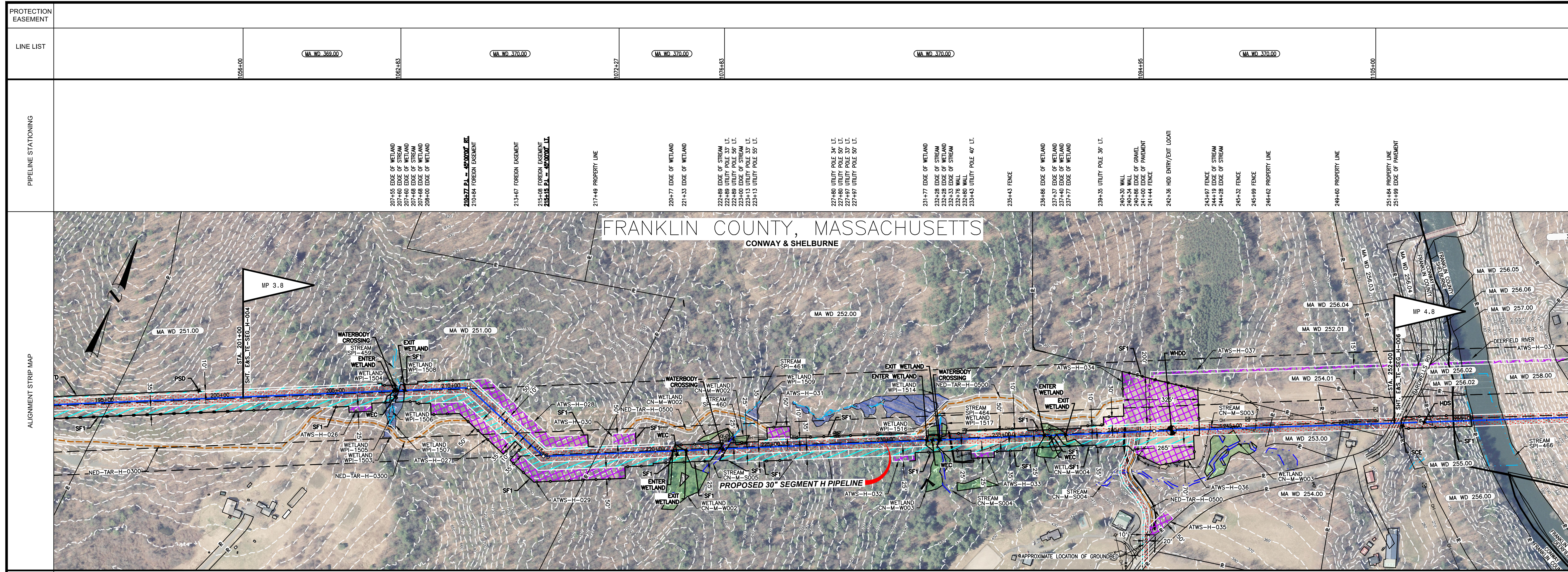
OPER. APPR: _____

DATE: _____

SCALE: 1 = 200'

PROJ. ID: _____

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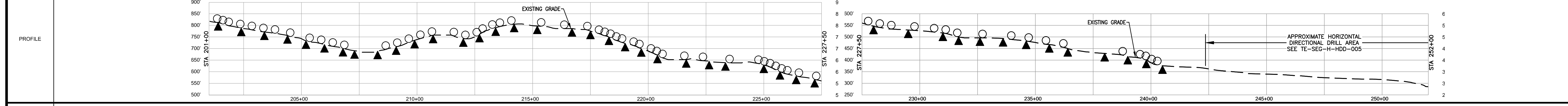


MATERIAL

COATING

DESIGN FACTOR

CLASS LOCATION



ENVIRONMENTAL

SOILS

PROFILE LEGEND

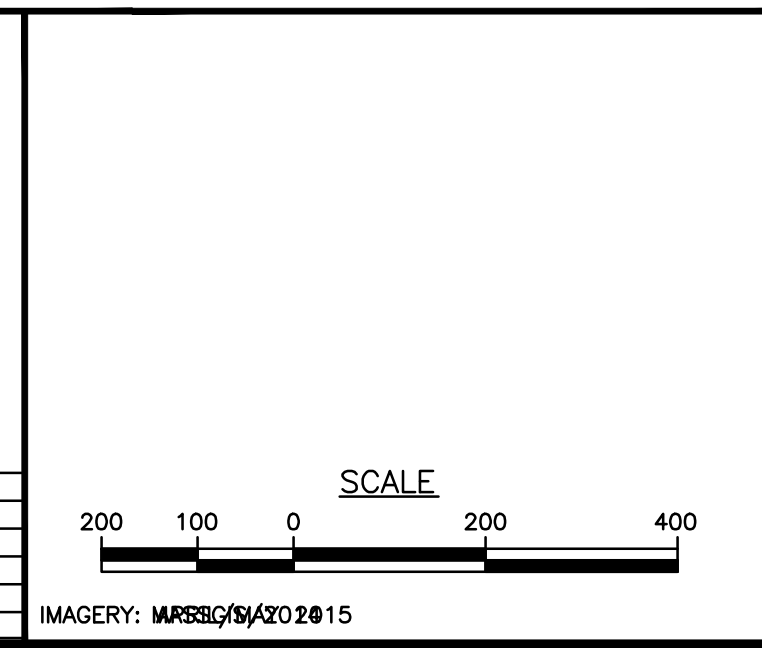
- SLOPE BREAKERS (circle symbol)
- TRENCH PLUG (triangle symbol)

- NOTES**
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LEGEND

EXISTING PERMANENT EASEMENT	PA HG3 400.00	LINE LIST NUMBER
PROPOSED PERMANENT EASEMENT	—R—	PROPERTY LINE
TEMPORARY WORKSPACE	—M—	MUNICIPAL LINE
ADDITIONAL TEMPORARY WORKSPACE (ATWS)	—W—	WETLAND (PUBLIC)
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OVERHEAD POWER LINE	—A—	STREAM (PUBLIC)
EXISTING FIBER OPTIC LINE	—F—	ACCESS ROAD
	—X—	FENCE LINE

REFERENCE DRAWINGS



REVISIONS

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0		ISSUE FOR FER	11/2015	HMM	HMM	

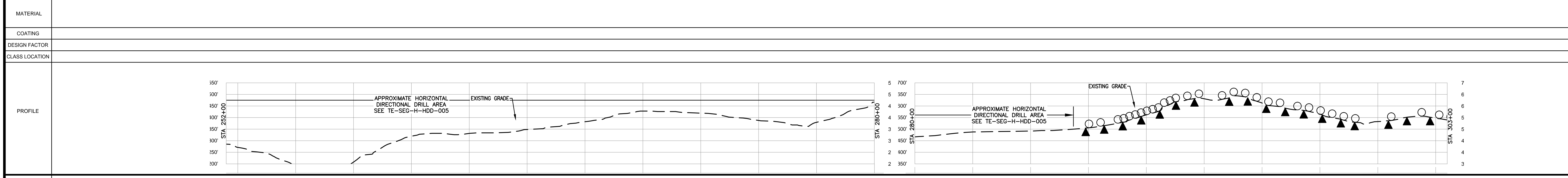
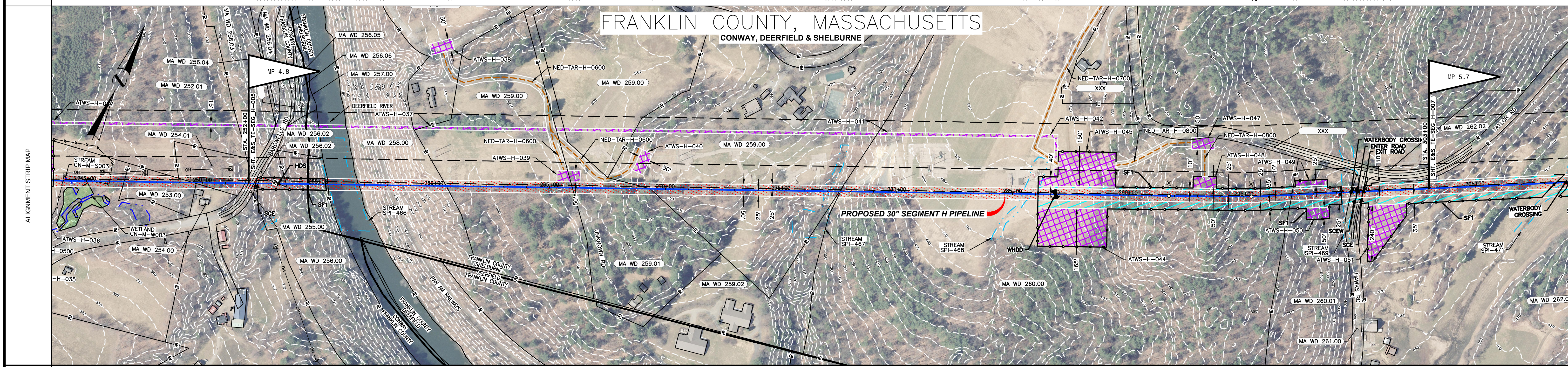
Tennessee Gas Pipeline Company, L.L.C.

NORTHEAST ENERGY DIRECT PROJECT
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

AREA: DIV: DATE: 01-12-15
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DESIGN COORD: DATE: SCALE: 1 = 200' PROJ. ID.:
 PROJECT COORD: DATE: E&S_TE-SEG_H-005 0
 OPER. APPR: DATE:

PROTECTION EASEMENT	
LINE LIST	<p>MA WD 370.00 MA WD 371.00 MA WD 372.00 MA WD 371.00 MA WD 373.00 MA WD 374.00 MA WD 375.00 MA WD 376.00</p>
PIPELINE STATIONING	<p>252+13 E. OF BARNWELLS RD 252+22 EDGE OF PAVEMENT 252+40 PROPERTY LINE 253+62 PROPERTY LINE 254+56 MUNICIPAL LINE 255+44 PROPERTY LINE 255+44 EDGE OF STREAM 256+59 EDGE OF STREAM 257+75 PROPERTY LINE 257+50 PAN AM RAILWAYS 260+54 PROPERTY LINE 265+79 E. OF UNKNOWN RD 265+99 PROPERTY LINE 268+35 PROPERTY LINE 276+66 EDGE OF STREAM 277+09 EDGE OF STREAM 277+53 PROPERTY LINE 277+57 PROPERTY LINE 285+41 EDGE OF STREAM 286+09 EDGE OF STREAM 286+85 HDD ENTRY/EXIT LOCATION 286+85 HDD ENTRY/EXIT LOCATION 291+07 PROPERTY LINE 299+26 EDGE OF STREAM 299+65 PROPERTY LINE 299+91 EDGE OF PAVEMENT 299+91 EDGE OF STREAM 299+92 E. OF HAWKS RD 300+18 PROPERTY LINE</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

- SLOPE BREAKERS ○
- TRENCH PLUG ▲

NOTES

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LEGEND

	EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT		PROPOSED PIPELINE
	TEMPORARY WORKSPACE		EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE
	ADDITIONAL TEMPORARY WORKSPACE (ATWS)		OVERHEAD POWER LINE		EXISTING FIBER OPTIC LINE
	POTENTIAL STAGING AREA		PROPERTY LINE		MUNICIPAL LINE
	LIMITS OF DISTURBANCE		WETLAND (PUBLIC)		WETLAND (PHOTO INTERPRETED)
			WETLAND (DELINEATED)		WETLAND (DELINEATED)
			STREAM (DELINEATED)		STREAM (PHOTO INTERPRETED)
			STREAM (PUBLIC)		ACCESS ROAD
			ACCESS ROAD		FENCE LINE
			FENCE LINE		

REFERENCE DRAWINGS

TYPICALS

SCALE

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0		ISSUE FOR FERC	11/2015	HMM	HMM	

AREA: HMM
DRAFTER: HMM
PROJECT COORD: HMM

DATE: 01-12-15
DATE: 01-12-15

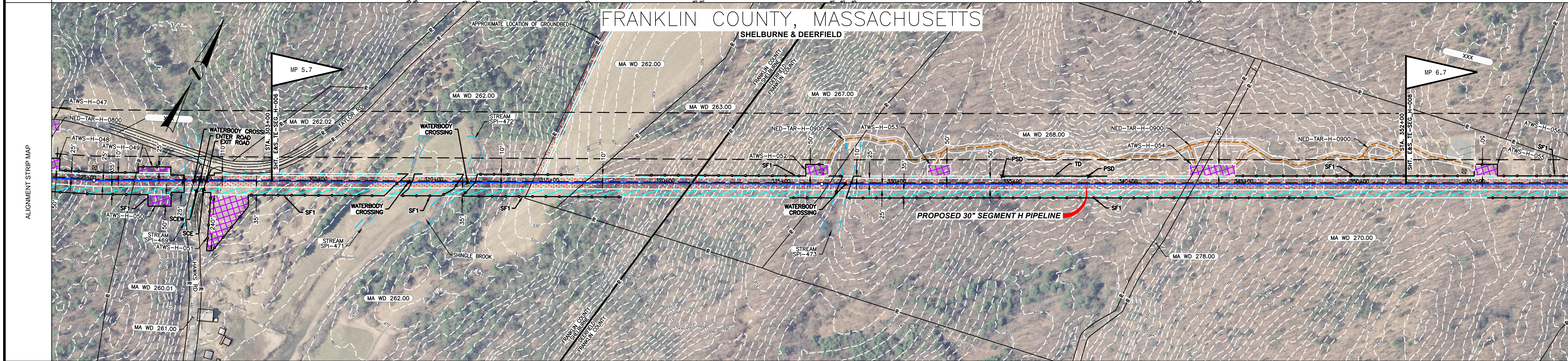
Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

**NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS**

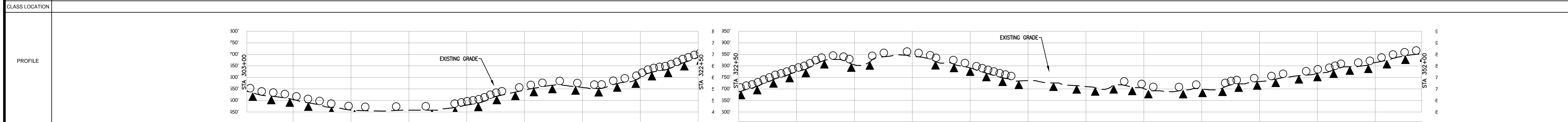
DESIGN COORD: HMM
PROJECT COORD: HMM
OPER. APPR:

DATE: **SCALE:** 1 = 200' **PROJ. ID:** E&S_TE-SEG_H-006 **0**

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

- SLOPE BREAKERS ○
- TRENCH PLUG ▲

LEGEND

	EXISTING PERMANENT EASEMENT		PROPERTY LINE
	PROPOSED PERMANENT EASEMENT		MUNICIPAL LINE
	TEMPORARY WORKSPACE		WETLAND (PUBLIC)
	ADDITIONAL TEMPORARY WORKSPACE (ATWS)		WETLAND (PHOTO INTERPRETED)
	POTENTIAL STAGING AREA		WETLAND (DELINEATED)
	PROPOSED PIPELINE		STREAM (DELINEATED)
	EXISTING TENNESSEE GAS PIPELINE		STREAM (PHOTO INTERPRETED)
	EXISTING FOREIGN PIPELINE		ACCESS ROAD
	OVERHEAD POWER LINE		FENCE LINE
	EXISTING FIBER OPTIC LINE		

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DIVISION: _____

DRAFTER: HMM

PROJECT COORD: HMM

DATE: 01-12-15

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Tennessee Gas Pipeline Company, L.L.C.
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SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

DESIGN COORD: _____

PROJECT COORD: _____

OPER. APPR: _____

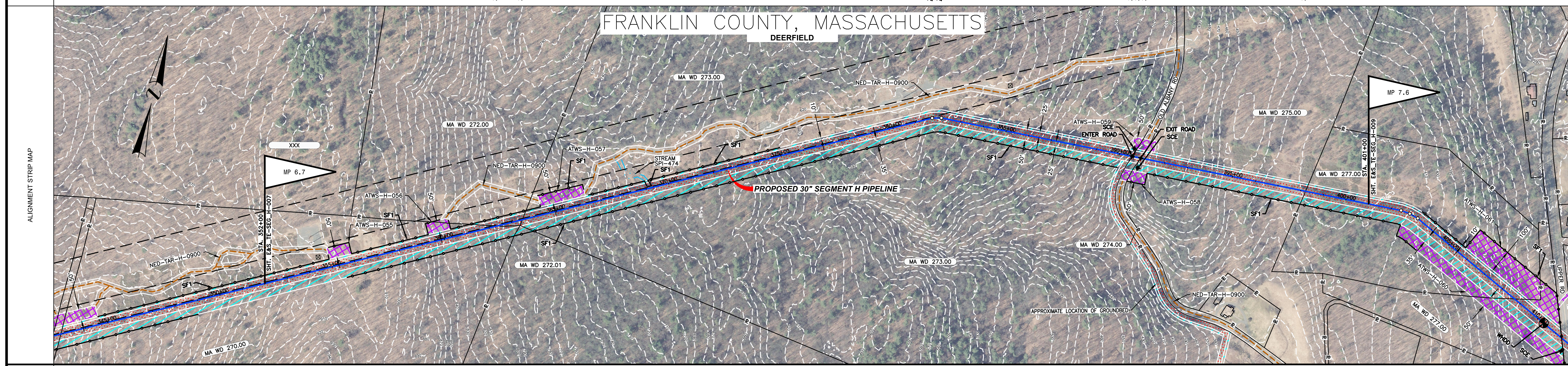
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SCALE: 1 = 200'

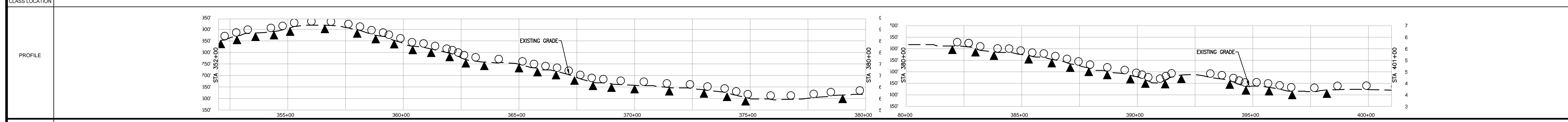
PROJ. ID.: E&S_TE-SEG_H-007

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PROTECTION EASEMENT	
LINE LIST	<div style="display: flex; justify-content: space-between; padding: 0 10px;"> MA WD 388.00 MA WD 387.00 MA WD 386.00 MA WD 389.00 MA WD 390.00 MA WD 391.00 MA WD 392.00 MA WD 393.00 MA WD 394.00 MA WD 395.00 MA WD 396.00 MA WD 397.00 MA WD 398.00 </div>
PIPELINE STATIONING	<div style="display: flex; justify-content: space-between; padding: 0 10px;"> 2207+00 2207+43 2208+75 2209+05 2211+88 2228+11 2230+95 2237+39 2238+89 2242+75 2247+07 2247+75 2248+54 2251+83 2257+00 </div>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

- SLOPE BREAKERS ○
- TRENCH PLUG ▲

LEGEND

	EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT		PROPOSED PIPELINE
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		OVERHEAD POWER LINE
	EXISTING FIBER OPTIC LINE		POTENTIAL STAGING AREA		STREAM (DELINEATED)

LEGEND

	PROPERTY LINE		STREAM (DELINEATED)
	MUNICIPAL LINE		STREAM (PHOTO INTERPRETED)
	WETLAND (PUBLIC)		STREAM (PUBLIC)
	WETLAND (PHOTO INTERPRETED)		ACCESS ROAD
	WETLAND (DELINEATED)		FENCE LINE

REFERENCE DRAWINGS

TYPICALS

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0		ISSUE FOR FERC	11/2015	HMM	HMM	

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AREA: DIV:

DRAFTER: HMM DATE: 01-12-15

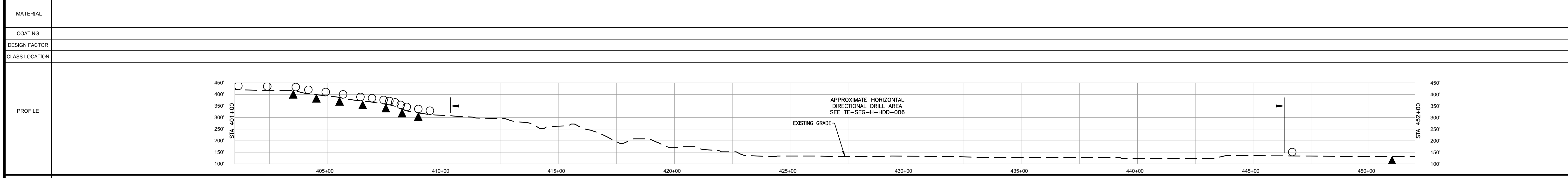
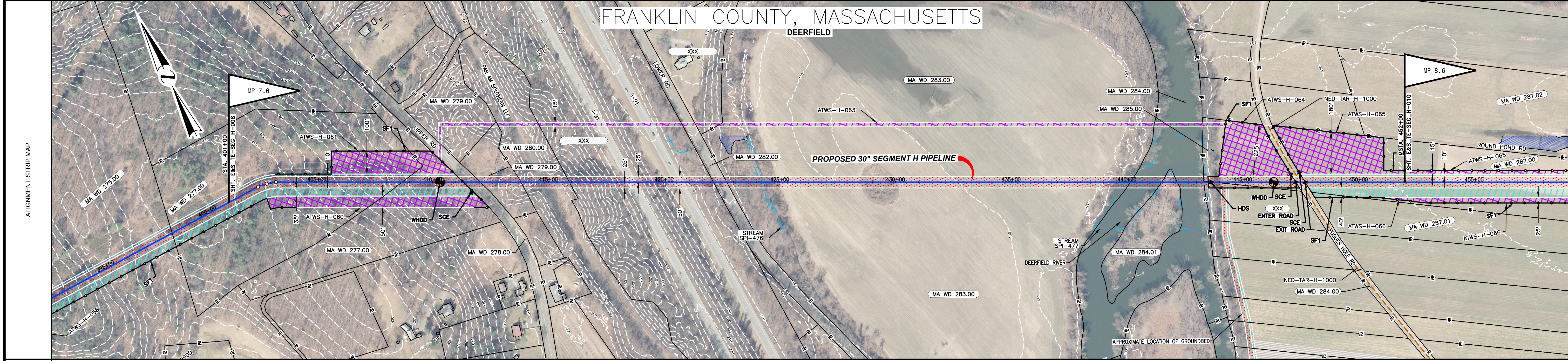
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DESIGN COORD: DATE: SCALE: 1 = 200' PROJ. ID:

PROJECT COORD: DATE: E&S_TE-SEG_H-008

OPER. APPR: DATE: 0

PROTECTION EASEMENT	
LINE LIST	<p>MA WD 398.00</p> <p>MA WD 399.00</p> <p>MA WD 400.00</p>
PIPELINE STATIONING	<p>402+43 PA - 877'W RE</p> <p>402+43 PA - 877'W RE</p> <p>402+43 PA - 877'W RE</p> <p>408+68 PROPERTY LINE</p> <p>410+33 HDD ENTRY/EXIT LOCAT</p> <p>411+33 PROPERTY LINE</p> <p>411+69 E OF UPPER RD</p> <p>412+07 PROPERTY LINE</p> <p>413+82 PROPERTY LINE</p> <p>413+82 PAN AM RAILWAYS</p> <p>415+91 PROPERTY LINE</p> <p>418+59 E OF I - 91</p> <p>420+58 E OF I - 91</p> <p>422+13 PROPERTY LINE</p> <p>422+44 E OF LOWER RD</p> <p>422+71 PROPERTY LINE</p> <p>424+12 EDGE OF STREAM</p> <p>424+31 EDGE OF STREAM</p> <p>(HWY 5)</p> <p>440+03 EDGE OF STREAM</p> <p>440+14 PROPERTY LINE</p> <p>441+50 PROPERTY LINE</p> <p>441+62 EDGE OF STREAM</p> <p>442+18 PROPERTY LINE</p> <p>443+33 PROPERTY LINE</p> <p>443+75 PROPERTY LINE</p> <p>446+34 HDD ENTRY/EXIT LOCAT</p> <p>447+30 PROPERTY LINE</p> <p>447+51 E OF ROGUES HOLE RE</p> <p>447+70 PROPERTY LINE</p>

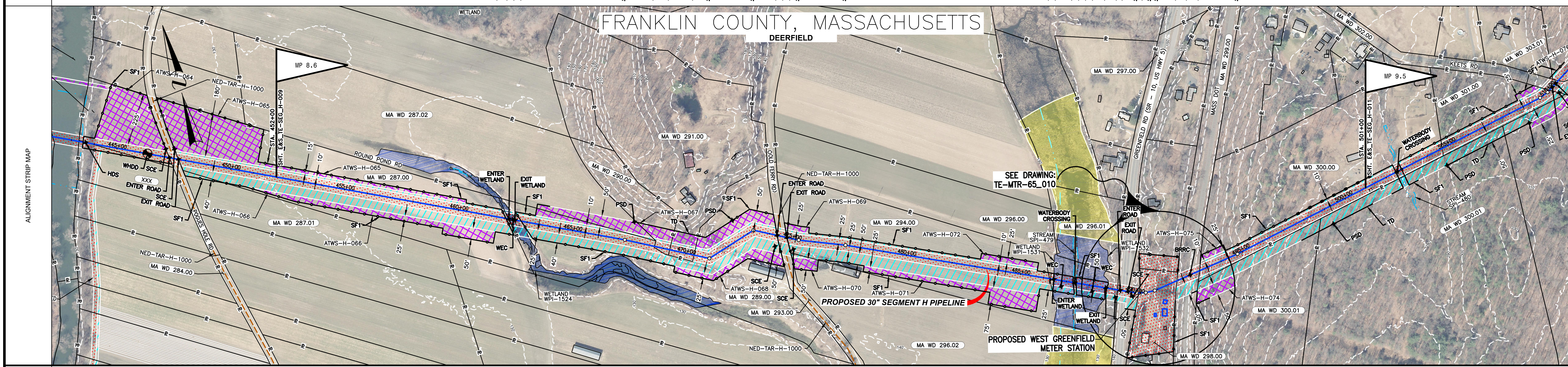


MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

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			EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT		PROPOSED PIPELINE																																							
	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		EXISTING TENNESSEE GAS PIPELINE																																									
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PROTECTION EASEMENT														
LINE LIST		MA WD 400.00	MA WD 400.00 MA WD 402.01	MA WD 400.02	MA WD 400.00	MA WD 402.00	MA WD 403.00 MA WD 405.00	MA WD 404.00	MA WD 403.00 MA WD 405.00					

PIPELINE STATIONING	3308+34	3314+46	3317+53	3324+15	3332+81	3335+48	3401+14	3347+17	3358+34
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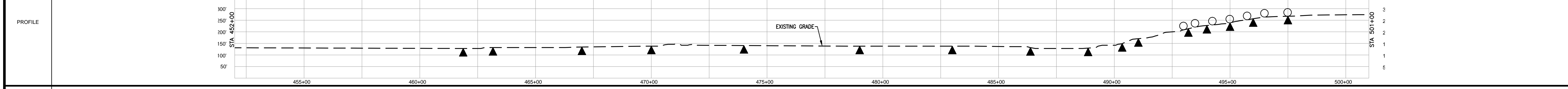


MATERIAL	
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COATING	
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DESIGN FACTOR	
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CLASS LOCATION	
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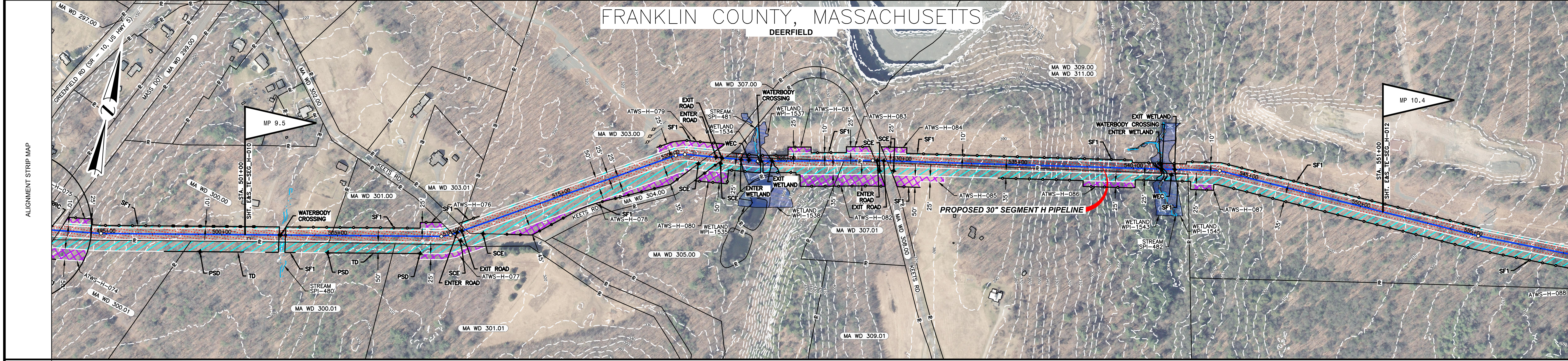
ENVIRONMENTAL	
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SOILS	
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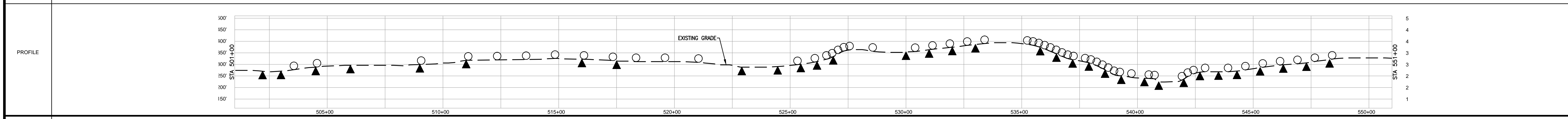
PROFILE LEGEND	
SLOPE BREAKERS	○
TRENCH PLUG	▲

NOTES	LEGEND	REFERENCE DRAWINGS	TYPICALS	SCALE 200 100 0 200 400 IMAGERY: MARS60/2015	REVISIONS				AREA:	DIV.:	Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company																																
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<p align="right">E&S_TE-SEG_H-010 0</p>																																											

PROTECTION EASEMENT	
LINE LIST	<p>MA WD 403.00 MA WD 405.00</p> <p>MA WD 407.00</p>
PIPELINE STATIONING	<p>509+51 EDGE OF STREAM 502+59 EDGE OF STREAM</p> <p>504+72 PROPERTY LINE</p> <p>504+68 P.L. = 172207' 00" 504+68 P.L. = 172207' 00" 510+01 PROPERTY LINE 510+01 PROPERTY LINE 510+01 PROPERTY LINE</p> <p>519+24 UTILITY POLE 85' LT. 519+43 UTILITY POLE 116' LT. 519+68 UTILITY POLE 139' LT. 520+50 P.L. = 172207' 00" 520+50 P.L. = 172207' 00"</p> <p>521+61 PROPERTY LINE 522+13 E. OF KEETS RD 522+53 PROPERTY LINE 523+04 EDGE OF WETLAND 523+04 EDGE OF WETLAND 523+28 P.L. = 172207' 00" 523+28 P.L. = 172207' 00" 523+85 EDGE OF STREAM 523+85 EDGE OF STREAM 523+85 EDGE OF STREAM 524+30 EDGE OF WETLAND 524+38 EDGE OF WETLAND</p> <p>527+24 PROPERTY LINE</p> <p>528+73 P.L. = 172207' 00" 528+86 PROPERTY LINE 529+14 E. OF KEETS RD 529+55 PROPERTY LINE</p> <p>541+20 EDGE OF WETLAND 541+21 EDGE OF STREAM 541+21 EDGE OF STREAM 541+25 EDGE OF WETLAND 541+25 EDGE OF WETLAND 541+78 EDGE OF WETLAND</p> <p>545+73 P.L. = 172207' 00"</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



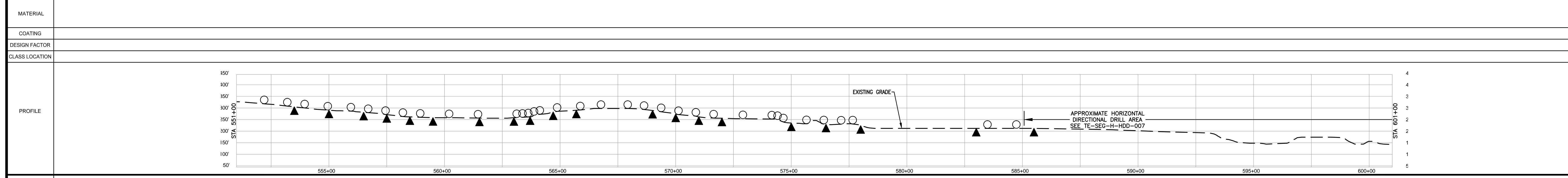
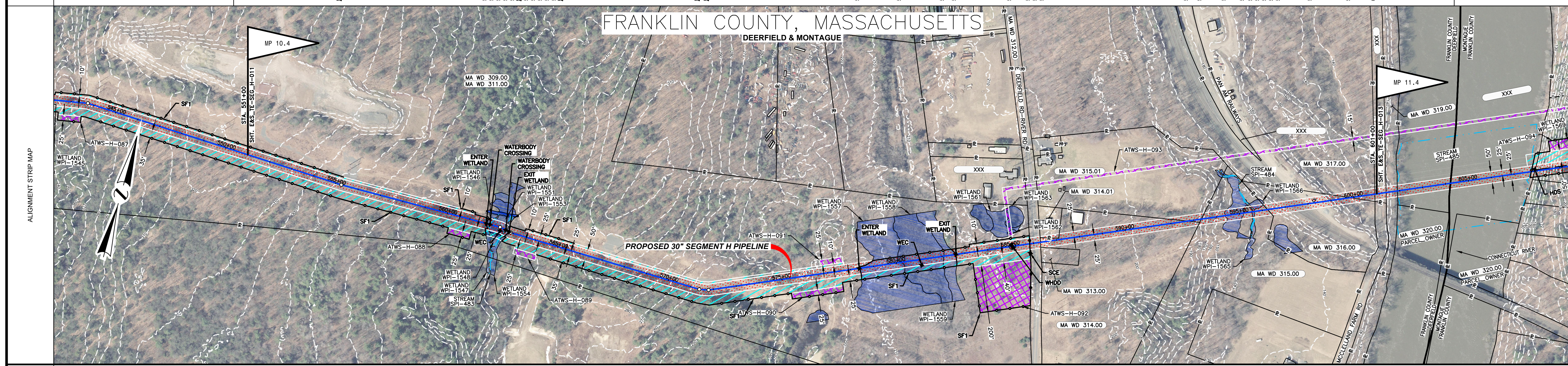
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

- SLOPE BREAKERS ○
- TRENCH PLUG ▲

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<p>NORTHEAST ENERGY DIRECT PROJECT PROPOSED 30" PIPELINE SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT EROSION & SEDIMENT CONTROL PLAN ALIGNMENT SHEET FRANKLIN COUNTY, MASSACHUSETTS</p> <p>DESIGN COORD: DATE: SCALE: 1"=2000' PROJ. ID: 201274</p> <p>PROJECT COORD: DATE:</p> <p>OPER. APPR: DATE:</p> <p>E&S_TE-SEG_H-011 0</p>																					

PROTECTION EASEMENT	
LINE LIST	<p>1407+54 (MA WD 407.00)</p> <p>1413+96 (MA WD 408.00)</p> <p>1421+72 (MA WD 409.00)</p> <p>1422+24 (MA WD 410.00)</p> <p>1423+43 (MA WD 411.00)</p> <p>1428+35 (MA WD 412.00)</p> <p>1428+70 (MA WD 413.00)</p> <p>1430+46 (MA WD 414.00)</p> <p>1450+92 (MA WD 415.00)</p> <p>1452+34</p>
PIPELINE STATIONING	<p>555+26 P.L. = 25417' LI.</p> <p>561+74 EDGE OF WETLAND</p> <p>561+86 EDGE OF STREAM</p> <p>561+92 EDGE OF WETLAND</p> <p>561+92 EDGE OF STREAM</p> <p>562+60 EDGE OF WETLAND</p> <p>562+60 EDGE OF STREAM</p> <p>562+67 EDGE OF WETLAND</p> <p>562+79 EDGE OF WETLAND</p> <p>562+87 P.L. = 10727' LI.</p> <p>571+30 P.L. = 12283' LI.</p> <p>571+30 P.L. = 12283' LI.</p> <p>576+37 EDGE OF WETLAND</p> <p>580+20 EDGE OF WETLAND</p> <p>582+08 EDGE OF WETLAND</p> <p>582+60 EDGE OF WETLAND</p> <p>585+07 HDD ENTRY/EXIT LOCAL</p> <p>585+83 PROPERTY LINE</p> <p>586+10 E. OF F. DEERFIELD RD</p> <p>586+30 PROPERTY LINE</p> <p>582+74 PROPERTY LINE</p> <p>583+33 PROPERTY LINE</p> <p>594+39 EDGE OF WETLAND</p> <p>595+19 EDGE OF WETLAND</p> <p>595+55 EDGE OF WETLAND</p> <p>595+63 EDGE OF STREAM</p> <p>595+63 EDGE OF WETLAND</p> <p>595+68 EDGE OF STREAM</p> <p>596+23 PROPERTY LINE</p> <p>598+00 PAN AM RAILWAYS</p> <p>599+83 PROPERTY LINE</p> <p>600+92 PROPERTY LINE</p>



ENVIRONMENTAL	
SOILS	

NOTES

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LEGEND

	EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT
	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)
	POTENTIAL STAGING AREA		PROPOSED PIPELINE
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE
	OVERHEAD POWER LINE		EXISTING FIBER OPTIC LINE

PROFILE LEGEND

	SLOPE BREAKERS
	TRENCH PLUG

REFERENCE DRAWINGS

TYPICALS

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PERMIT FERC	07/2015	HMM	HMM	

SCALE

1" = 2000'

AREA: DIV:

DRAFTER: HMMM DATE: 01/14/2015

DRAWN: HMMM DATE: 01/14/2015

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

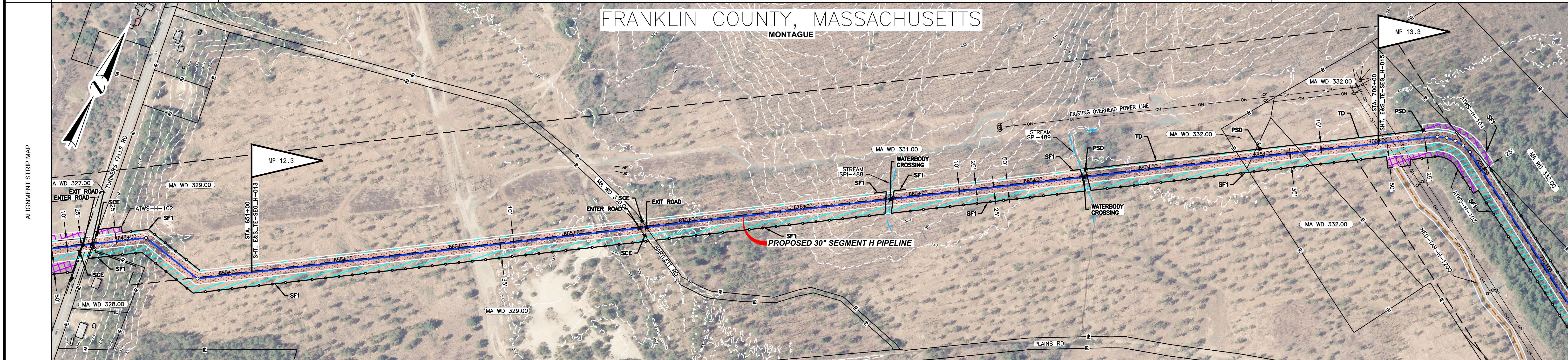
DESIGN COORD: DATE: SCALE: 1"=2000' PROJ. ID: 201274

PROJECT COORD: DATE:

OPER. APPR: DATE:

E&S_TE-SEG_H-012 0

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>667+67 PROPERTY LINE 668+15 E. OF BARTLETT RD 668+17 PROPERTY LINE</p> <p>678+75 EDGE OF STREAM 679+75 EDGE OF STREAM</p> <p>687+17 EDGE OF STREAM 687+22 EDGE OF STREAM</p> <p>694+02 PROPERTY LINE 694+48 PROPERTY LINE</p> <p>696+67 PROPERTY LINE</p> <p>699+67 FOREIGN EASEMENT</p>

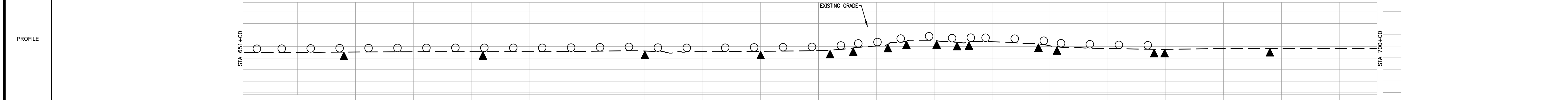


MATERIAL	
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COATING	
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DESIGN FACTOR	
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CLASS LOCATION	
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ENVIRONMENTAL	
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SOILS	
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PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

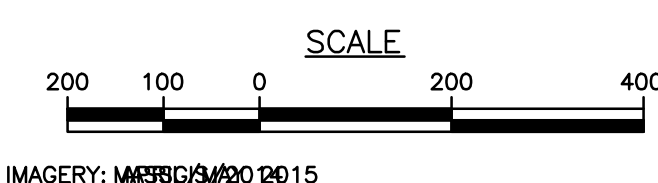
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LEGEND

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	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		POTENTIAL STAGING AREA
	LIMITS OF DISTURBANCE		PROPERTY LINE		MUNICIPAL LINE
	WETLAND (PUBLIC)		WETLAND (PHOTO INTERPRETED)		WETLAND (DELINEATED)
	STREAM (DELINEATED)		STREAM (PHOTO INTERPRETED)		STREAM (PUBLIC)
	ACCESS ROAD		FENCE LINE		OVERHEAD POWER LINE
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		EXISTING FIBER OPTIC LINE

REFERENCE DRAWINGS

TYPICALS	
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REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PER FERC	07/2015	HMM	HMM	

AREA: DIV: Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

DRAFTER: HMMM DATE: 01/14/2015

DRAFT: HMMM DATE: 01/14/2015

COORD: HMMM

**NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS**

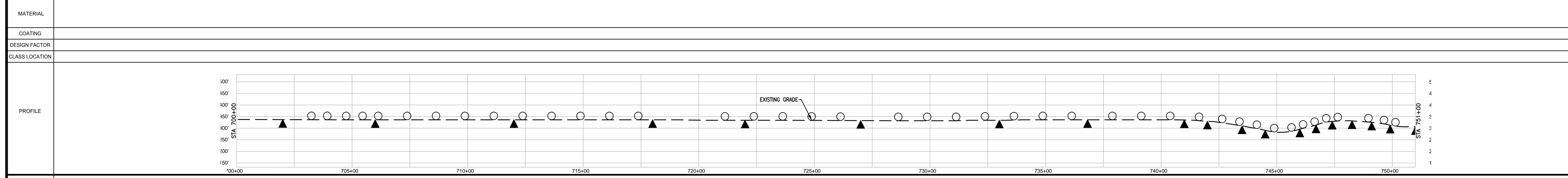
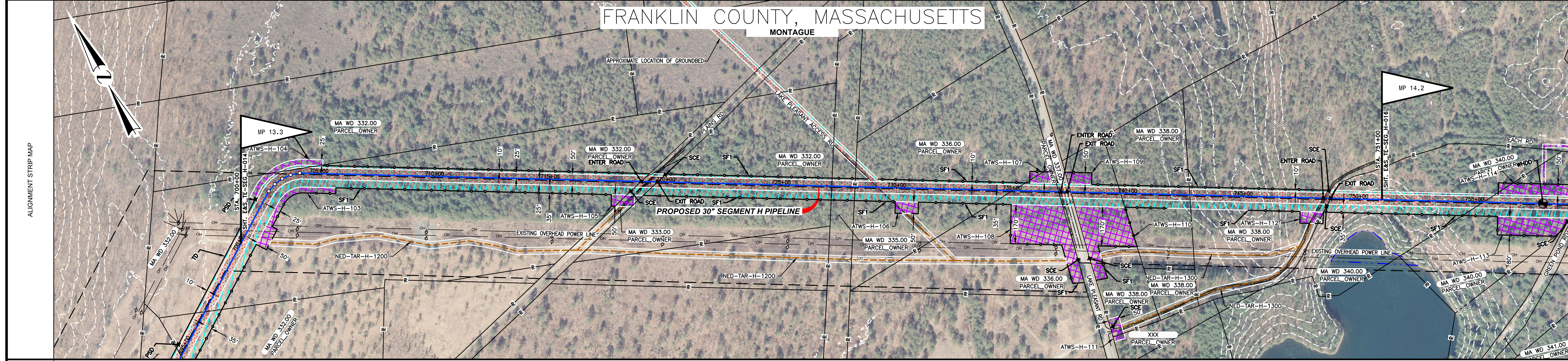
DESIGN COORD: DATE: SCALE: 11"=2000' PROJ. ID: 201274

PROJECT COORD: DATE:

OPER. APPR: DATE:

E&S_TE-SEG_H-014 0

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>700+35 OVERHEAD POWER LINE 700+65 OVERHEAD POWER LINE 701+46 UTILITY POLE 186' RT. 701+70 UTILITY POLE 186' RT. 702+58 P.A. - 12+31.50' RT. 703+38 P.A. - 12+41.00' RT. 703+78 P.A. - 12+41.00' RT. 703+84 FOREIGN EASEMENT 704+18 P.A. - 12+31.50' RT.</p> <p>718+84 PROPERTY LINE 719+24 E OF TRAIL 719+30 E OF PLANS RD 719+33 EDGE OF PAVEMENT 719+66 PROPERTY LINE</p> <p>727+19 PROPERTY LINE 728+20 PROPERTY LINE 729+17 E OF TRAIL 729+22 E OF LAKE PLEASANT AC</p> <p>735+03 PROPERTY LINE</p> <p>736+60 UTILITY POLE 147' LT. 736+83 UTILITY POLE 43' LT. 737+01 PROPERTY LINE 737+07 OVERHEAD POWER LINE 737+25 UTILITY POLE 186' RT. 737+27 E OF LAKE PLEASANT RD 737+38 EDGE OF PAVEMENT 737+53 PROPERTY LINE 737+56 UTILITY POLE 144' RT. 737+61 WATER GATE 184' RT. 739+69 PROPERTY LINE</p> <p>742+68 PROPERTY LINE</p> <p>748+45 EDGE OF GRAVEL 748+50 EDGE OF GRAVEL 748+57 EDGE OF GRAVEL 748+78 PROPERTY LINE</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

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	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		POTENTIAL STAGING AREA
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		OVERHEAD POWER LINE
	EXISTING FIBER OPTIC LINE		PROPERTY LINE		MUNICIPAL LINE
	WETLAND (PUBLIC)		WETLAND (PHOTO INTERPRETED)		WETLAND (DELINEATED)
	STREAM (DELINEATED)		STREAM (PHOTO INTERPRETED)		ACCESS ROAD
	FENCE LINE		LIMITS OF DISTURBANCE		

REFERENCE DRAWINGS

TYPICALS

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PERMIT FERC	07/2015	HMM	HMM	

SCALE

200 100 0 200 400

IMAGERY: MASSGIS/2015

AREA: DIV:

DRAFTER: HMMM DATE: 01/14/2015

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COORD:

OPER:

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NORTHEAST ENERGY DIRECT PROJECT
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SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
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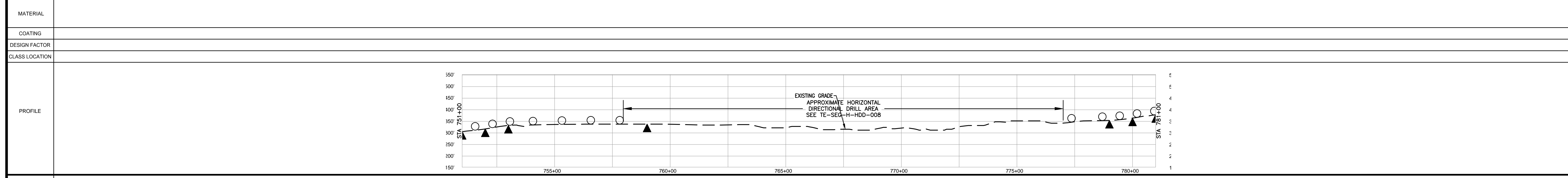
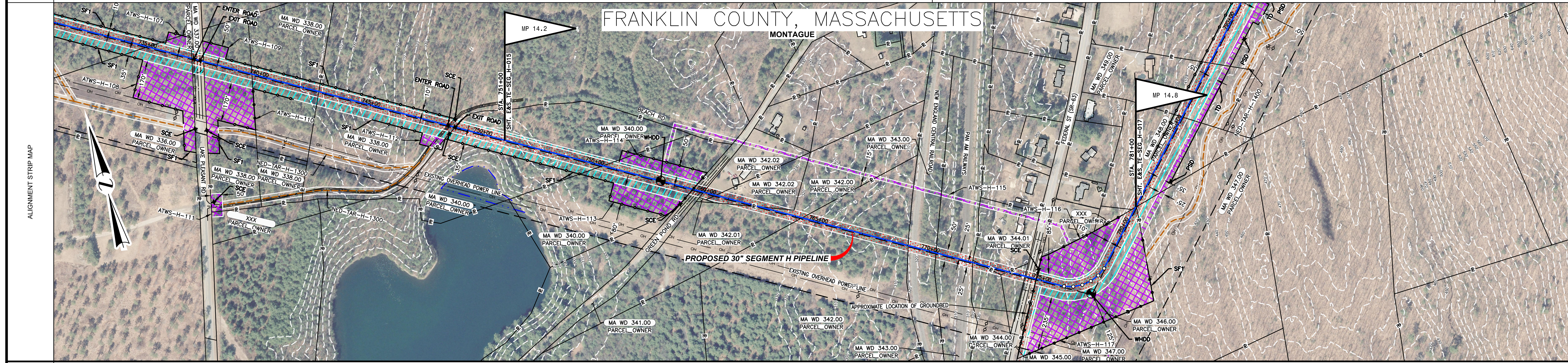
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OPER: DATE:

E&S_TE-SEG_H-015 0

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	

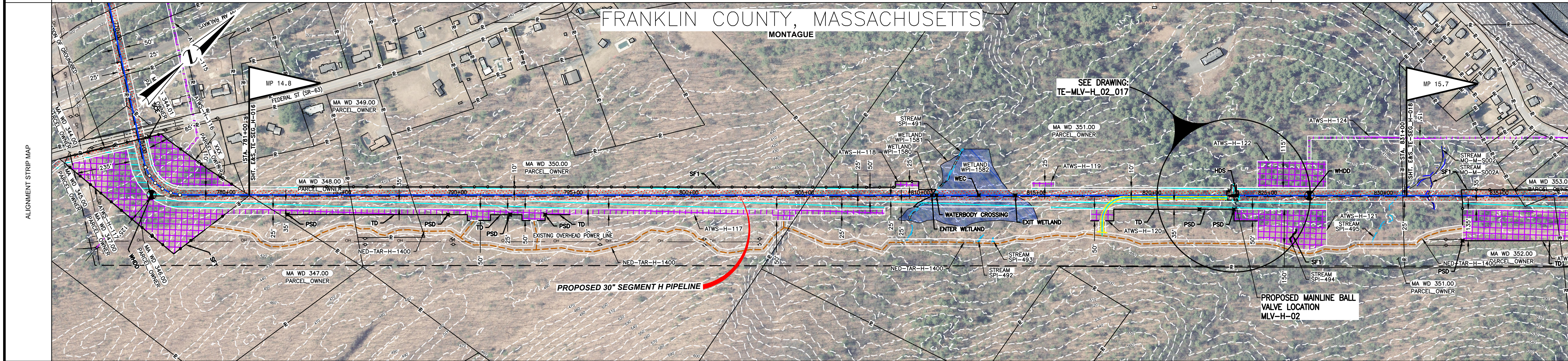
- 770520 PROPERTY LINE
- 771+00 PAN AM RAILWAYS
- 771+82 PROPERTY LINE
- 772+31 PROPERTY LINE
- 773+51 PROPERTY LINE
- 774+26 PROPERTY LINE
- 774+31 EDGE OF PAVEMENT
- 774+51 E OF FEDERAL ST (SR-63)
- 774+58 EDGE OF PAVEMENT
- 774+62 UTILITY POLE 119' LT.
- 774+62 UTILITY POLE 119' RT.
- 774+63 OVERHEAD POWER LINE
- 774+76 PROPERTY LINE
- 775+00 PA - 12/23/07 LT.
- 775+00 PA - 12/23/07 RT.
- 775+00 HDD ENTRY/EXIT LOCATION
- 775+00 PA - 12/23/07 LT.
- 775+00 PA - 12/23/07 RT.
- 775+00 PA - 12/23/07 LT.
- 775+00 PA - 12/23/07 RT.
- 780+88 PROPERTY LINE



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

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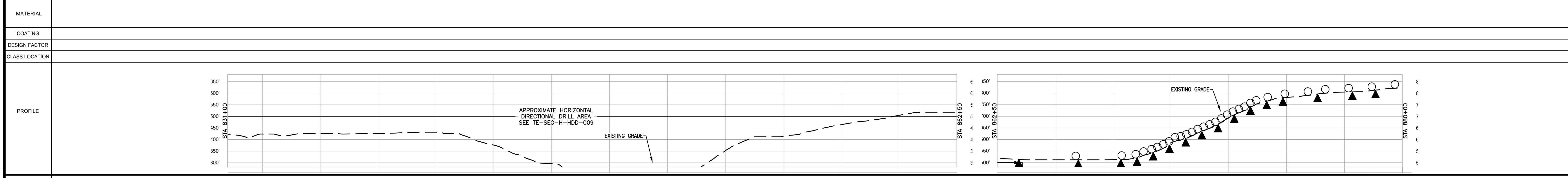
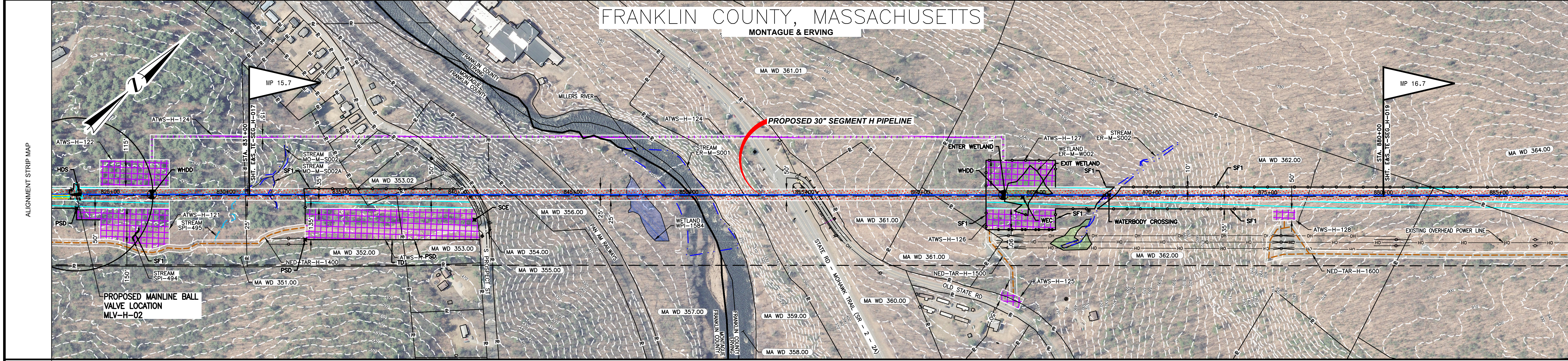
PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>785+37 PROPERTY LINE</p> <p>786+01 UTILITY POLE 188' RT.</p> <p>788+00 PROPERTY LINE</p> <p>788+81 UTILITY POLE 188' RT.</p> <p>796+16 UTILITY POLE 188' RT.</p> <p>800+67 UTILITY POLE 188' RT.</p> <p>803+06 UTILITY POLE 188' RT.</p> <p>805+25 PROPERTY LINE</p> <p>810+48 EDGE OF WETLAND</p> <p>810+66 EDGE OF WETLAND</p> <p>810+75 EDGE OF STREAM</p> <p>810+75 EDGE OF WETLAND</p> <p>814+10 EDGE OF WETLAND</p> <p>826+80 HDD ENTRY/EXIT LOCUS</p> <p>830+65 EDGE OF STREAM</p> <p>830+66 EDGE OF STREAM</p> <p>830+84 PROPERTY LINE</p>



ENVIRONMENTAL	
SOILS	

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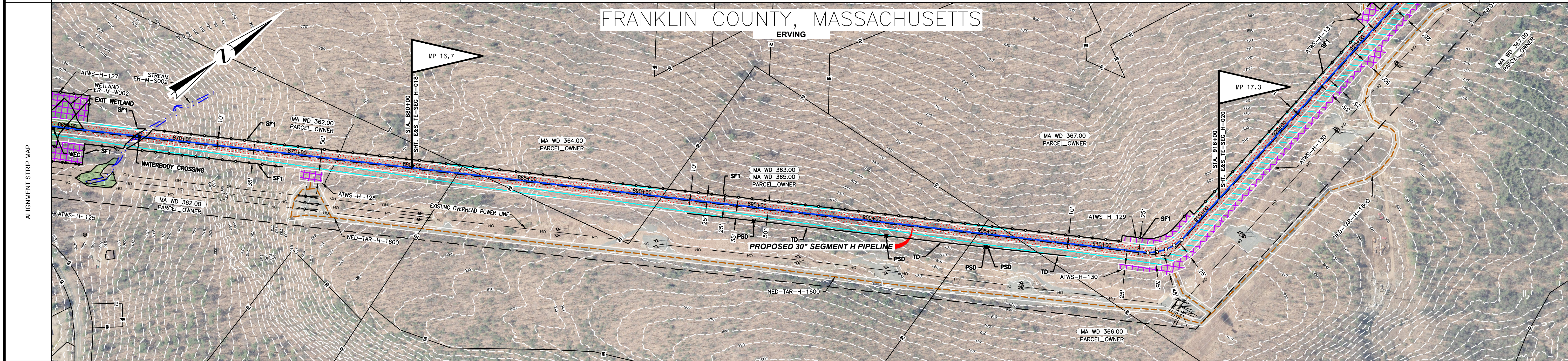
PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>831+86 EDGE OF STREAM 831+92 E OF DITCH 831+92 EDGE OF STREAM 832+70 UTILITY POLE 175' RT.</p> <p>835+82 PROPERTY LINE</p> <p>837+23 PROPERTY LINE 837+36 PROPERTY LINE</p> <p>840+24 UTILITY POLE 34' LT. 840+35 PROPERTY LINE 840+48 E OF DITCH 840+57 PROPERTY LINE 840+57 EDGE OF PAVEMENT 840+65 E OF S PROSPECT ST 840+86 EDGE OF PAVEMENT 840+91 GUARD RAIL 841+40 UTILITY POLE 122' RT. 842+43 PROPERTY LINE</p> <p>844+50 PAV AM RAILWAYS 845+18 PROPERTY LINE</p> <p>847+31 EDGE OF WETLAND 848+06 EDGE OF WETLAND</p> <p>849+24 EDGE OF STREAM</p> <p>850+08 MUNICIPAL LINE 850+23 PROPERTY LINE 850+88 EDGE OF STREAM 850+90 PROPERTY LINE</p> <p>852+39 PROPERTY LINE</p> <p>854+21 WETLAND (SP-2-2A) 854+56 EDGE OF PAVEMENT 854+86 E OF DITCH 854+91 UTILITY POLE 175' LT. 854+91 OVERHEAD POWER LINE 855+20 GUARD RAIL 855+24 EDGE OF PAVEMENT 855+38 E OF OLD STATE RD 855+59 E OF DITCH 855+59 PROPERTY LINE 855+98 PROPERTY LINE 856+35 UTILITY POLE 176' RT.</p> <p>859+88 PROPERTY LINE 860+56 PROPERTY LINE</p> <p>863+58 HDD ENTRY/EXIT LOCATION 863+86 EDGE OF WETLAND 863+98 UTILITY POLE 175' RT. 864+89 EDGE OF WETLAND</p> <p>867+27 WELL 67' RT.</p> <p>867+87 EDGE OF STREAM 868+06 EDGE OF STREAM 868+27 EDGE OF STREAM 868+40 EDGE OF STREAM</p> <p>875+58 UTILITY POLE 175' RT. 876+76 E OF TRAIL</p>



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PIPELINE STATIONING	<p>880+56 UTILITY POLE 192' RT.</p> <p>882+01 PROPERTY LINE</p> <p>883+10 PROPERTY LINE</p> <p>886+56 UTILITY POLE 192' RT.</p> <p>890+86 UTILITY POLE 193' RT.</p> <p>890+88 PROPERTY LINE</p> <p>897+01 UTILITY POLE 192' RT.</p> <p>900+84 UTILITY POLE 192' RT.</p> <p>904+63 PROPERTY LINE</p> <p>906+23 PROPERTY LINE</p> <p>906+74 UTILITY POLE 193' RT.</p> <p>912+00 P.L. = 10P/313'W' LT.</p> <p>912+40 P.L. = 10P/313'W' LT.</p> <p>913+30 P.L. = 10P/313'W' LT.</p> <p>913+80 P.L. = 10P/313'W' LT.</p> <p>915+52 UTILITY POLE 166' RT.</p> <p>915+53 UTILITY POLE 192' RT.</p>

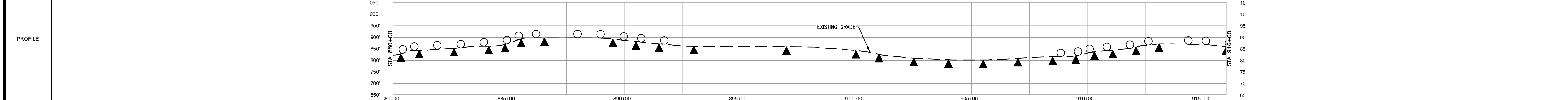


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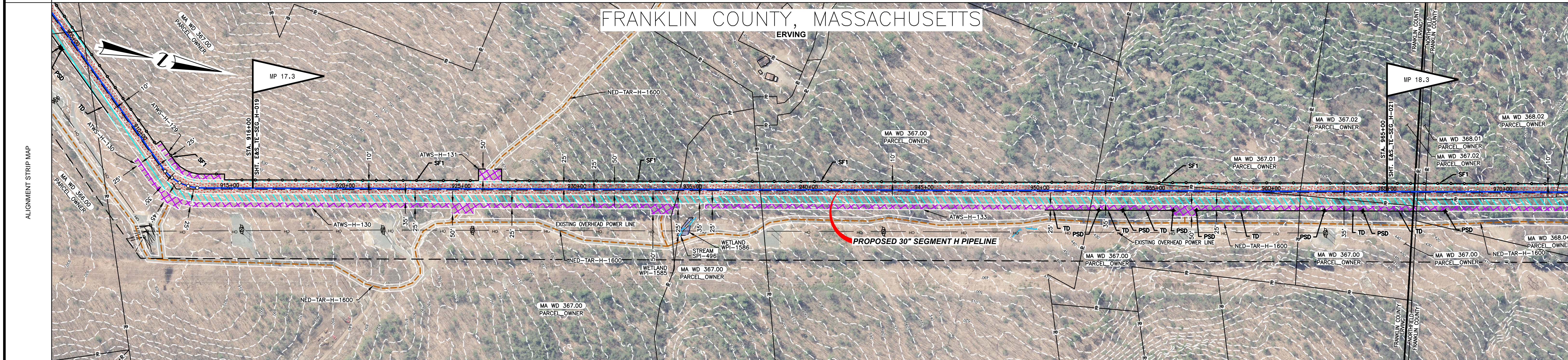
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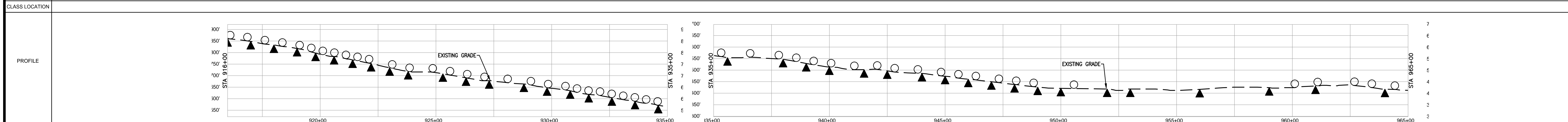
- SLOPE BREAKERS (○)
- TRENCH PLUG (▲)

<p>NOTES</p> <ol style="list-style-type: none"> EXISTING TENNESSEE GAS PIPELINE PERMANENT EASEMENTS ARE NOT DEPICTED IN THEIR ENTIRETY. PUBLIC WETLANDS ARE OBTAINED FROM THE NATIONAL WETLAND INVENTORY (NWI) (AS DEFINED IN RESOURCE REPORT 2.3). PUBLIC STREAMS ARE OBTAINED FROM THE NATIONAL HYDROGRAPHY DATASET. (NHD) (AS DEFINED IN RESOURCE REPORT 2.2). PHOTO INTERPRETED WETLANDS AND STREAMS ARE A RESULT OF A HIGH RESOLUTION PHOTOGRAPHIC INTERPOLATION. DELINEATED WETLANDS AND STREAMS ARE THE RESULT OF AN ENVIRONMENTAL GROUND SURVEY. PROPERTY LINES ARE BASED ON TAX MAPS AND ARE NOT THE RESULT OF A FULL BOUNDARY SURVEY. TRENCH PLUGS SHALL BE INSTALLED AT ALL ROAD CROSSINGS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. PERMANENT SLOPE BREAKERS SHOWN IN CULTIVATED AREAS AND LAWNS SHALL ONLY BE INSTALLED WITH THE LANDOWNER'S PERMISSION. 	<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING PERMANENT EASEMENT PROPOSED PERMANENT EASEMENT TEMPORARY WORKSPACE ADDITIONAL TEMPORARY WORKSPACE (ATWS) POTENTIAL STAGING AREA PROPOSED PIPELINE EXISTING TENNESSEE GAS PIPELINE EXISTING FOREIGN PIPELINE OVERHEAD POWER LINE EXISTING FIBER OPTIC LINE 	<p>LIMITS OF DISTURBANCE</p> <ul style="list-style-type: none"> PA HG3 400.00 PROPERTY LINE MUNICIPAL LINE WETLAND (PUBLIC) WETLAND (PHOTO INTERPRETED) WETLAND (DELINEATED) STREAM (DELINEATED) STREAM (PHOTO INTERPRETED) ACCESS ROAD FENCE LINE 	<p>REFERENCE DRAWINGS</p> <p>TYPICALS</p>	<p>SCALE</p> <p>200 100 0 200 400</p> <p>IMAGERY: MAPBOX/2015</p>	<p>REVISIONS</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>0</td> <td>201274</td> <td>DISBURSE PERMIT FOR FERC</td> <td>07/2015</td> <td>HMM</td> <td>HMM</td> <td></td> </tr> </tbody> </table>	NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR	0	201274	DISBURSE PERMIT FOR FERC	07/2015	HMM	HMM		<p>AREA: _____</p> <p>DIV: _____</p> <p>DRAFTER: HMM/M DATE: 01/14/2015</p> <p>DRAFT. COORD: HMM/M DATE: 01/14/2015</p>	<p>Tennessee Gas Pipeline Company, L.L.C.</p> <p>NORTHEAST ENERGY DIRECT PROJECT</p> <p>PROPOSED 30" PIPELINE</p> <p>SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT</p> <p>EROSION & SEDIMENT CONTROL PLAN</p> <p>ALIGNMENT SHEET</p> <p>FRANKLIN COUNTY, MASSACHUSETTS</p> <p>DESIGN COORD: _____ DATE: _____</p> <p>PROJECT COORD: _____ DATE: _____</p> <p>OPER. APPR: _____ DATE: _____</p> <p>E&S_TE-SEG_H-019 0</p>
					NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR										
0	201274	DISBURSE PERMIT FOR FERC	07/2015	HMM	HMM																

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>921+62 UTILITY POLE 167' RT. 921+65 UTILITY POLE 192' RT.</p> <p>925+48 UTILITY POLE 167' RT. 925+50 UTILITY POLE 192' RT.</p> <p>934+44 PROPERTY LINE</p> <p>937+92 PROPERTY LINE</p> <p>943+25 UTILITY POLE 167' RT. 943+25 UTILITY POLE 192' RT.</p> <p>952+33 PROPERTY LINE</p> <p>958+75 PROPERTY LINE</p> <p>961+26 PROPERTY LINE</p> <p>962+35 UTILITY POLE 167' RT. 962+35 UTILITY POLE 192' RT.</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	

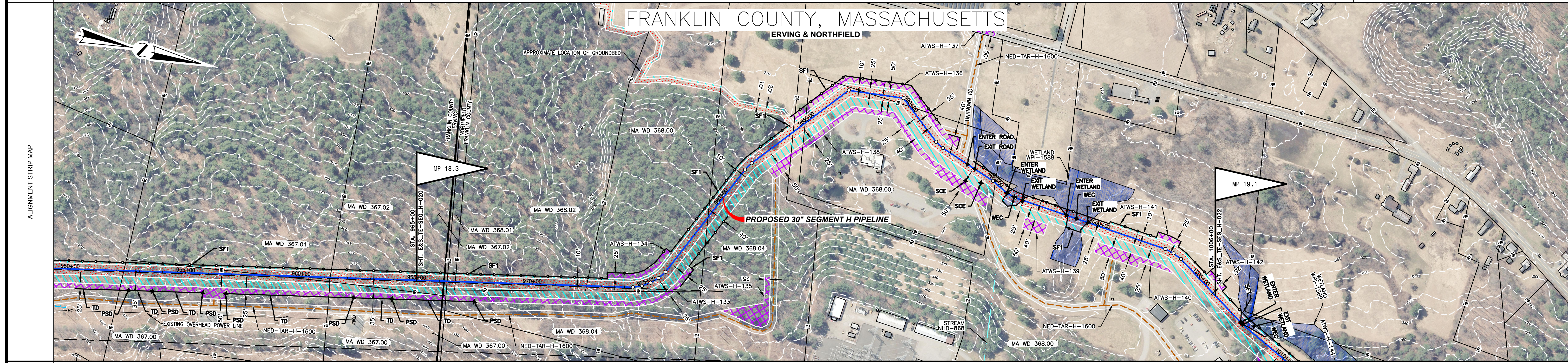


ENVIRONMENTAL	
SOILS	

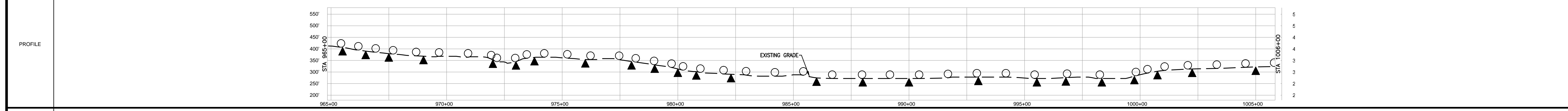
WORKSPACE	<p>PROFILE LEGEND</p> <p>SLOPE BREAKERS ○</p> <p>TRENCH PLUG ▲</p>
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PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>966+18 MUNICIPAL LINE 966+18 PROPERTY LINE 966+67 PROPERTY LINE</p> <p>972+35 PROPERTY LINE</p> <p>974+35 P.L. = 10'47'27" LL 974+35 P.L. = 10'47'27" LL 974+35 P.L. = 10'47'27" LL 974+35 P.L. = 10'47'27" LL</p> <p>979+85 PROPERTY LINE</p> <p>981+58 P.L. = 7'37'11" RL 981+58 P.L. = 7'37'11" RL</p> <p>984+21 PROPERTY LINE 984+85 PROPERTY LINE</p> <p>987+21 P.L. = 45'00'00" RL 988+05 PROPERTY LINE</p> <p>988+80 P.L. = 45'00'00" RL 990+05 PROPERTY LINE 990+93 E. OF UNKNOWN RD 991+95 P.L. = 45'00'00" LL 992+35 P.L. = 45'00'00" LL</p> <p>993+79 E. OF UNKNOWN RD</p> <p>994+84 P.L. = 7'35'56" RL 995+05 PROPERTY LINE 995+75 E. OF WETLAND 996+75 E. OF WETLAND 998+48 E. OF WETLAND</p> <p>998+49 E. OF WETLAND 999+48 E. OF WETLAND</p> <p>1003+02 P.L. = 8'18'15" RL 1003+02 P.L. = 8'18'15" RL 1003+02 P.L. = 8'18'15" RL</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	

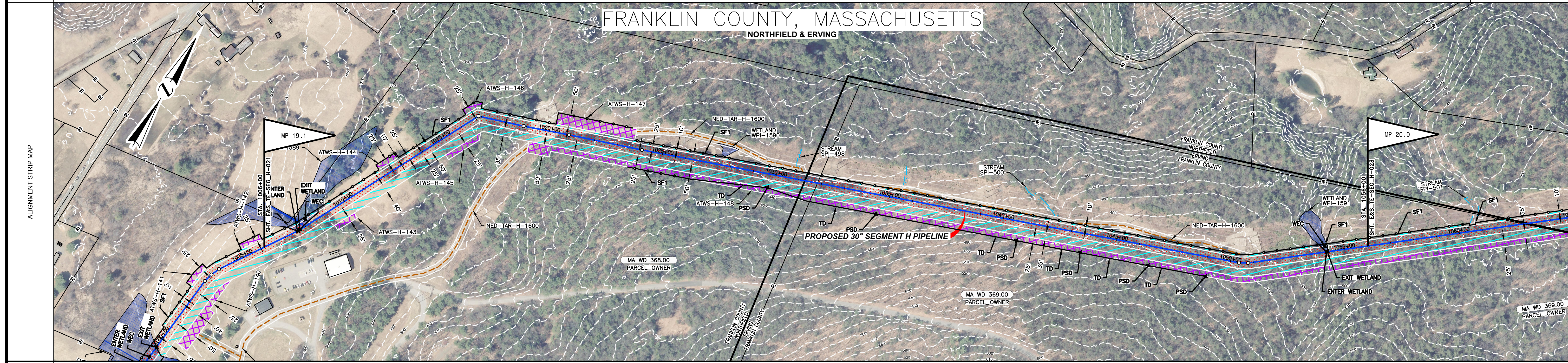


ENVIRONMENTAL	
SOILS	

<p>PROFILE LEGEND</p> <p>SLOPE BREAKERS ○</p> <p>TRENCH PLUG ▲</p>	
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PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1007+58 EDGE OF WETLAND 1007+68 P.A. = 0°22'00" LT. 1007+72 EDGE OF WETLAND</p> <p>1008+87 P.A. = 0°50'00" RT.</p> <p>1008+87 P.A. = 1°41'30" LT.</p> <p>1009+87 P.A. = 0°50'00" RT.</p> <p>1024+08 P.A. = 0°56'00" LT.</p> <p>1031+27 MUNICIPAL LINE 1031+82 PROPERTY LINE</p> <p>1060+37 P.A. = 0°22'00" LT. 1060+37 P.A. = 0°22'00" LT.</p> <p>1054+20 EDGE OF WETLAND 1054+23 EDGE OF WETLAND</p>

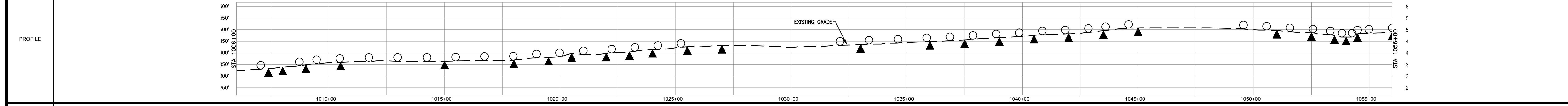


MATERIAL	
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COATING	
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DESIGN FACTOR	
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CLASS LOCATION	
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ENVIRONMENTAL	
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SOILS	
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PROFILE LEGEND	
SLOPE BREAKERS	○
TRENCH PLUG	▲

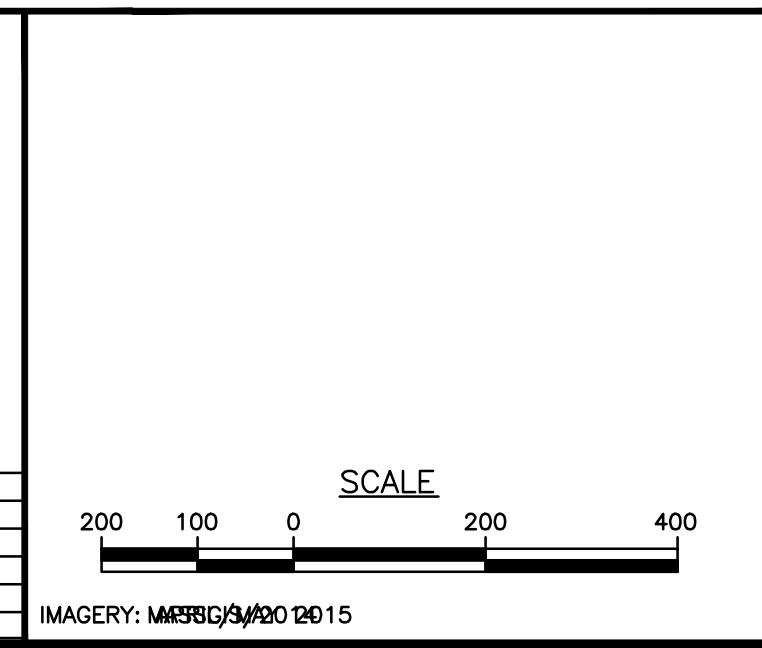
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LEGEND

EXISTING PERMANENT EASEMENT	PA HG3 400.00	LINE LIST NUMBER
PROPOSED PERMANENT EASEMENT	—R—	PROPERTY LINE
TEMPORARY WORKSPACE	—M—	MUNICIPAL LINE
ADDITIONAL TEMPORARY WORKSPACE (ATWS)	—W—	WETLAND (PUBLIC)
POTENTIAL STAGING AREA	—P—	WETLAND (PHOTO INTERPRETED)
PROPOSED PIPELINE	—S—	WETLAND (DELINEATED)
EXISTING TENNESSEE GAS PIPELINE	—D—	STREAM (DELINEATED)
EXISTING FOREIGN PIPELINE	—C—	STREAM (PHOTO INTERPRETED)
OVERHEAD POWER LINE	—O—	STREAM (PUBLIC)
EXISTING FIBER OPTIC LINE	—F—	ACCESS ROAD
	—X—	FENCE LINE

REFERENCE DRAWINGS

TYPICALS	
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REVISIONS

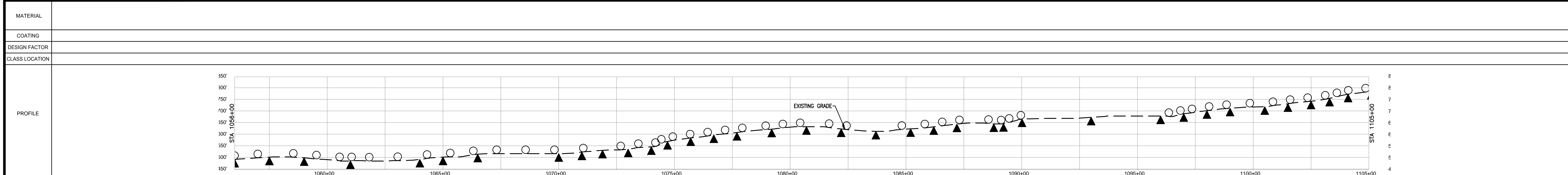
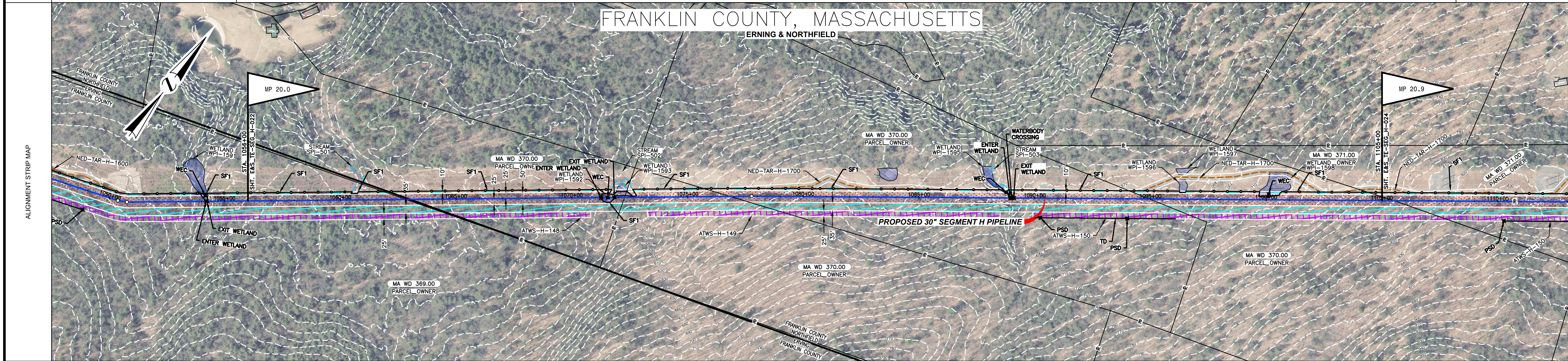
NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PERMIT FERC	07/2015	HMM	HMM	

AREA: DIV: Tennessee Gas Pipeline Company, L.L.C.
 DRAFTER: HMMM DATE: 01/12/2015
 DRAWN: HMMM DATE: 01/12/2015
 COORD: HMMM

**NORTHEAST ENERGY DIRECT PROJECT
 PROPOSED 30" PIPELINE
 SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
 EROSION & SEDIMENT CONTROL PLAN
 ALIGNMENT SHEET
 FRANKLIN COUNTY, MASSACHUSETTS**

DESIGN COORD: DATE: SCALE: 1"=2000' PROJ. ID: 201274
 PROJECT COORD: DATE: E&S_TE-SEG_H-022
 OPER. APPR: DATE: 0

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1082+83 PROPERTY LINE 1082+99 MUNICIPAL LINE</p> <p>1071+26 EDGE OF WETLAND 1071+83 EDGE OF WETLAND 1072+27 PROPERTY LINE</p> <p>1076+83 PROPERTY LINE 1072+76 P.L. OF 500 FT. E.C.</p> <p>1088+93 EDGE OF STREAM 1084+93 EDGE OF STREAM</p> <p>1094+95 PROPERTY LINE</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
PROFILE	
ENVIRONMENTAL	
SOILS	

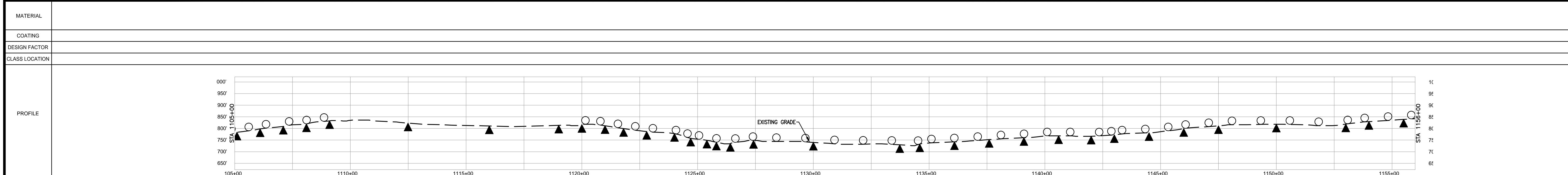
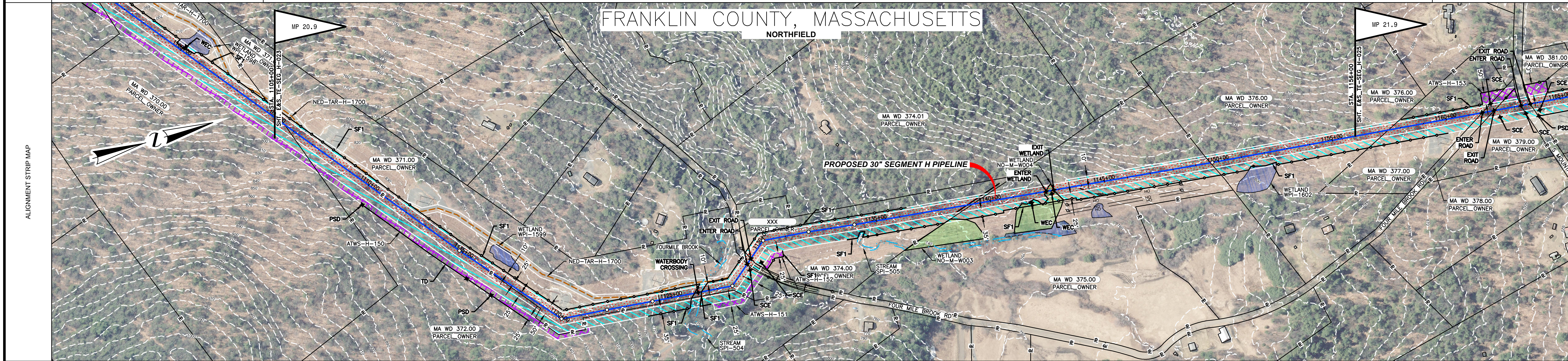
PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

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			EXISTING PERMANENT EASEMENT		PA HG3 400.00		LINE LIST NUMBER																																																																									
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PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1105+52 PROPERTY LINE</p> <p>1108+56 PROPERTY LINE</p> <p>11148+01 P.A. = 2'035'6" LT.</p> <p>11154+35 PROPERTY LINE</p> <p>11203+14 P.A. = 4'459'6" LT.</p> <p>11223+14 P.A. = 0'241'7" RT.</p> <p>1126+03 EDGE OF STREAM</p> <p>1126+26 EDGE OF STREAM</p> <p>11274+88 P.A. = 4'500'0" LT.</p> <p>1128+80 PROPERTY LINE</p> <p>1128+82 EDGE OF STREAM</p> <p>1128+88 OVERHEAD POWER LINE</p> <p>1129+08 PROPERTY LINE</p> <p>1129+21 UTILITY POLE 60' LT.</p> <p>1129+21 UTILITY POLE 72' RT.</p> <p>1129+30 P.A. = 2'081'7" RT.</p> <p>11343+01 P.A. = 1'030'5" LT.</p> <p>1138+94 WALL</p> <p>1139+00 WALL</p> <p>1139+22 PROPERTY LINE</p> <p>1142+43 EDGE OF WETLAND</p> <p>1142+77 EDGE OF WETLAND</p> <p>1143+22 UTILITY POLE 89' RT.</p> <p>1143+23 UTILITY POLE 72' RT.</p> <p>1148+22 UTILITY POLE 69' RT.</p> <p>1148+22 UTILITY POLE 95' RT.</p> <p>1148+64 PROPERTY LINE</p> <p>1148+72 P.A. = 0'261'6" LT.</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

NOTES

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LEGEND

	EXISTING PERMANENT EASEMENT		PROPOSED PERMANENT EASEMENT		PROPOSED PIPELINE
	TEMPORARY WORKSPACE		ADDITIONAL TEMPORARY WORKSPACE (ATWS)		POTENTIAL STAGING AREA
	EXISTING TENNESSEE GAS PIPELINE		EXISTING FOREIGN PIPELINE		OVERHEAD POWER LINE
	EXISTING FIBER OPTIC LINE		PROPERTY LINE		MUNICIPAL LINE
	WETLAND (PUBLIC)		WETLAND (PHOTO INTERPRETED)		WETLAND (DELINEATED)
	STREAM (DELINEATED)		STREAM (PHOTO INTERPRETED)		STREAM (PUBLIC)
	ACCESS ROAD		FENCE LINE		

REFERENCE DRAWINGS

TYPICALS

SCALE

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PERMIT FERC	07/2015	HMM	HMM	

AREA: DIV:

DRAFTER: HMMM DATE: 01/14/2015

DRFT. COORD: HMMM DATE: 01/14/2015

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

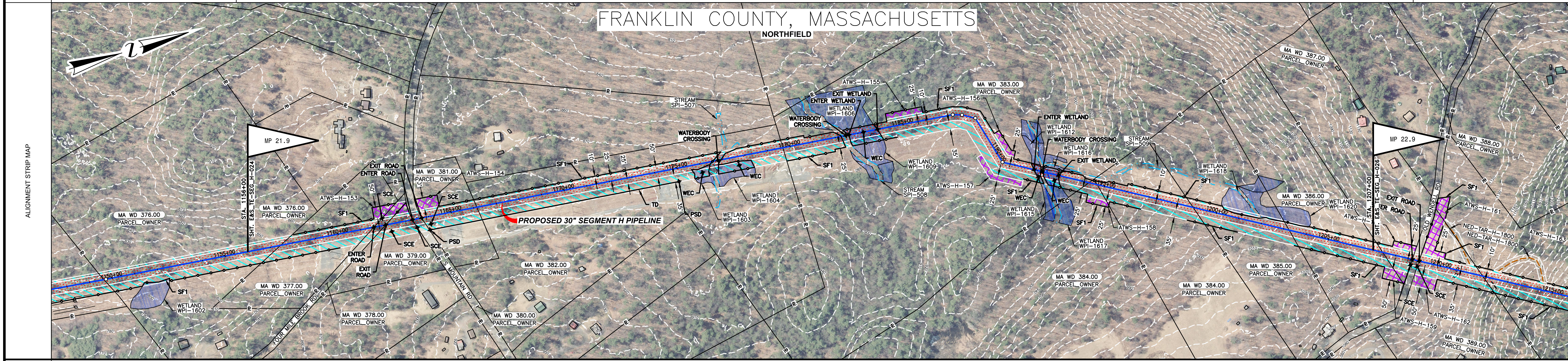
DESIGN COORD: DATE: SCALE: 1"=2000' PROJ. ID.: 201274

PROJECT COORD: DATE: E&S_TE-SEG_H-024

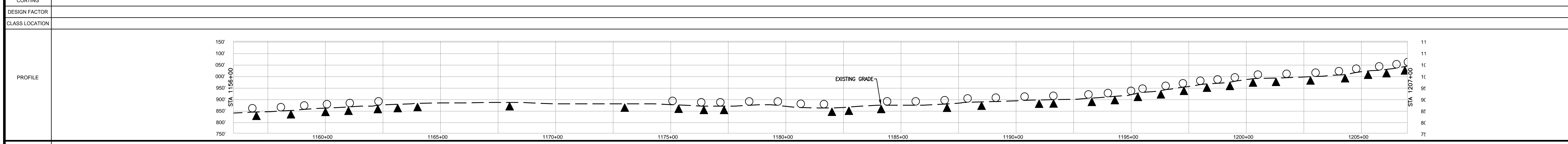
OPER. APPR: DATE:

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	

1157+45 PROPERTY LINE	1161+68 PROPERTY LINE	1162+11 PROPERTY LINE	1163+28 PROPERTY LINE	1165+70 PROPERTY LINE	1166+14 PROPERTY LINE	1179+68 PROPERTY LINE	1182+34 EDGE OF STREAM	1182+60 EDGE OF STREAM	1182+60 EDGE OF WETLAND	1183+87 EDGE OF WETLAND	1187+28 P.A. = 172.0056' ETC.	1187+60 P.A. = 172.0056' ETC.	1188+19 P.A. = 452.0000' ETC.	1188+45 P.A. = 452.0000' ETC.	1191+86 EDGE OF WETLAND	1192+15 EDGE OF WETLAND	1192+15 EDGE OF STREAM	1192+28 EDGE OF WETLAND	1192+45 EDGE OF WETLAND	1194+31 PROPERTY LINE	1194+68 PROPERTY LINE	1198+96 PROPERTY LINE	1203+25 PROPERTY LINE
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MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

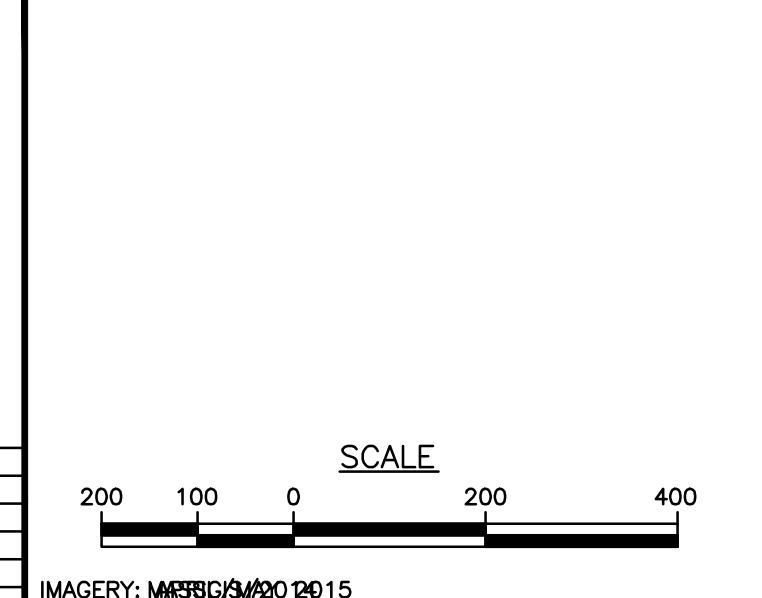
LEGEND

	EXISTING PERMANENT EASEMENT		PA HG3 400.00		LINE LIST NUMBER
	PROPOSED PERMANENT EASEMENT				PROPERTY LINE
	TEMPORARY WORKSPACE				MUNICIPAL LINE
	ADDITIONAL TEMPORARY WORKSPACE (ATWS)				WETLAND (PUBLIC)
	POTENTIAL STAGING AREA				WETLAND (PHOTO INTERPRETED)
	PROPOSED PIPELINE				WETLAND (DELINEATED)
	EXISTING TENNESSEE GAS PIPELINE				STREAM (DELINEATED)
	EXISTING FOREIGN PIPELINE				STREAM (PHOTO INTERPRETED)
	OVERHEAD POWER LINE				STREAM (PUBLIC)
	EXISTING FIBER OPTIC LINE				ACCESS ROAD
					FENCE LINE

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REFERENCE DRAWINGS

TYPICALS	
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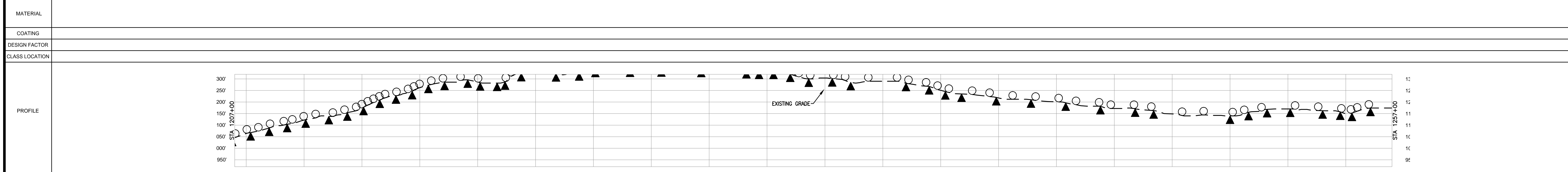
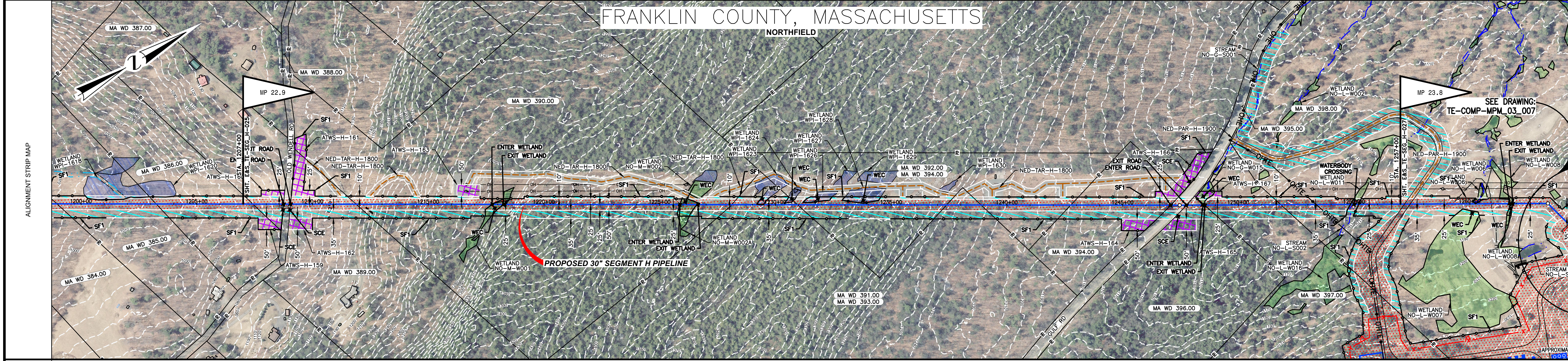


REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE PERMIT FERC	07/2015	HMM	HMM	

AREA:	DIV.:	
DRAFTER: HMMM	DATE: 01/13/2015	
DRAWN: HMMM	DATE: 01/13/2015	
<p>NORTHEAST ENERGY DIRECT PROJECT PROPOSED 30" PIPELINE SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT EROSION & SEDIMENT CONTROL PLAN ALIGNMENT SHEET FRANKLIN COUNTY, MASSACHUSETTS</p>		
DESIGN COORD.:	DATE:	SCALE: 1"=2000'
PROJECT COORD.:	DATE:	PROJ. ID: 201274
OPER. APPR.:	DATE:	E&S_TE-SEG_H-025

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1207+43 PROPERTY LINE</p> <p>1208+75 PROPERTY LINE 1208+84 E. OF OLD WENDELL 1209+65 PROPERTY LINE</p> <p>1210+71 EXISTING STRUCTURE 1210+76 EXISTING STRUCTURE</p> <p>1211+89 PROPERTY LINE</p> <p>1216+83 UTILITY POLE 56' LT 1216+94 UTILITY POLE 60' LT</p> <p>1217+76 EDGE OF WETLAND 1218+26 EDGE OF WETLAND</p> <p>1221+32 UTILITY POLE 58' LT 1221+32 UTILITY POLE 67' LT</p> <p>1225+87 EDGE OF WETLAND 1226+11 UTILITY POLE 60' LT 1226+13 UTILITY POLE 60' LT 1226+65 EDGE OF WETLAND</p> <p>1228+11 PROPERTY LINE</p> <p>1230+85 PROPERTY LINE</p> <p>1237+39 PROPERTY LINE</p> <p>1238+88 PROPERTY LINE</p> <p>1242+75 PROPERTY LINE</p> <p>1247+07 PROPERTY LINE 1247+44 E. OF GULF RD 1247+75 PROPERTY LINE</p> <p>1248+45 EDGE OF WETLAND 1248+45 EDGE OF WETLAND 1248+55 EDGE OF WETLAND</p> <p>1251+83 PROPERTY LINE</p> <p>1253+20 UTILITY POLE 68' LT 1253+20 UTILITY POLE 84' LT</p> <p>1254+96 EDGE OF STREAM 1255+07 EDGE OF STREAM</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	
ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

- SLOPE BREAKERS ○
- TRENCH PLUG ▲

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LEGEND

EXISTING PERMANENT EASEMENT	PA HG3 400.00	LINE LIST NUMBER
PROPOSED PERMANENT EASEMENT	—R—	PROPERTY LINE
TEMPORARY WORKSPACE	—M—	MUNICIPAL LINE
ADDITIONAL TEMPORARY WORKSPACE (ATWS)	—W—	WETLAND (PUBLIC)
POTENTIAL STAGING AREA	—P—	WETLAND (PHOTO INTERPRETED)
PROPOSED PIPELINE	—S—	WETLAND (DELINEATED)
EXISTING TENNESSEE GAS PIPELINE	—D—	STREAM (DELINEATED)
EXISTING FOREIGN PIPELINE	—C—	STREAM (PHOTO INTERPRETED)
OVERHEAD POWER LINE	—O—	STREAM (PUBLIC)
EXISTING FIBER OPTIC LINE	—F—	ACCESS ROAD
	—X—	FENCE LINE

REFERENCE DRAWINGS

TYPICALS

REVISIONS

NO	PROJ ID	DESCRIPTION	DATE	BY	CK	APPR
0	201274	DISBURSE/ISSUE/PERMIT FERC	07/2015	HMM	HMM	

SCALE

200 100 0 200 400

IMAGERY: 1/25/2015

AREA: DIV:

DRAFTER: HMMM DATE: 01/14/2015

DRAWN: HMMM DATE: 01/14/2015

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS

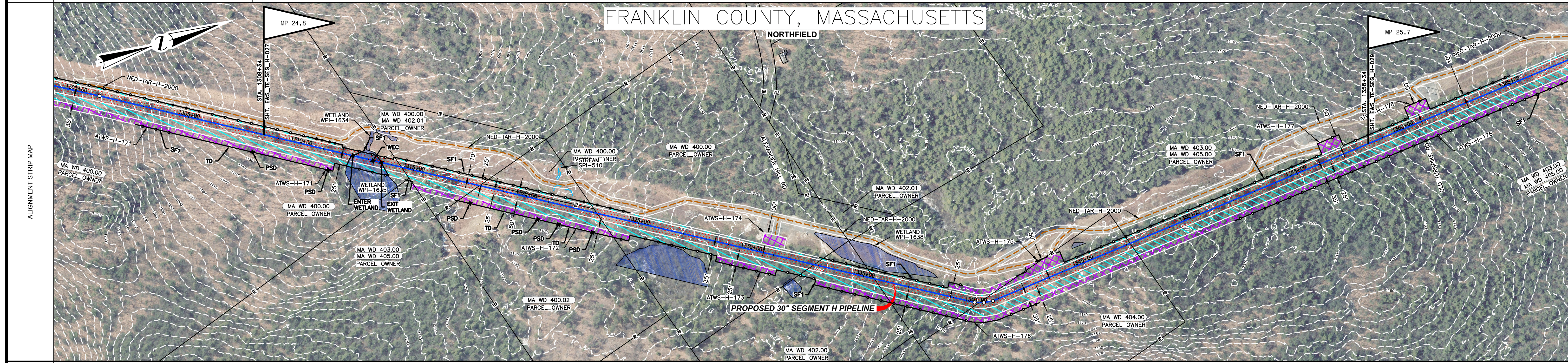
DESIGN COORD: DATE: SCALE: 11"=2000' PROJ. ID: 201274

PROJECT COORD: DATE:

OPER. APPR: DATE:

E&S_TE-SEG_H-026 0

PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1317+30 EDGE OF WETLAND</p> <p>1313+56 EDGE OF WETLAND</p> <p>1314+46 PROPERTY LINE</p> <p>1317+93 PROPERTY LINE</p> <p>1324+15 PROPERTY LINE</p> <p>1332+81 PROPERTY LINE</p> <p>1335+48 PROPERTY LINE</p> <p>1336+54 E. OF ALEXANDER HILL RD</p> <p>1338+34 PA - 1129246-11</p> <p>1338+34 PA - 1129246-11</p> <p>1342+17 PROPERTY LINE</p>

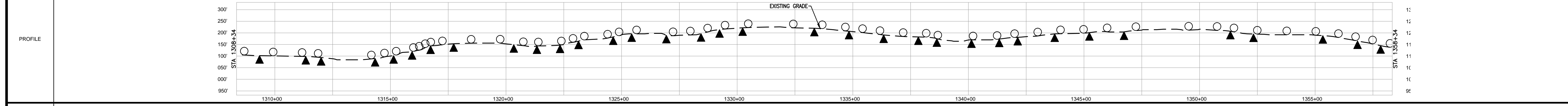


MATERIAL	
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COATING	
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DESIGN FACTOR	
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CLASS LOCATION	
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ENVIRONMENTAL	
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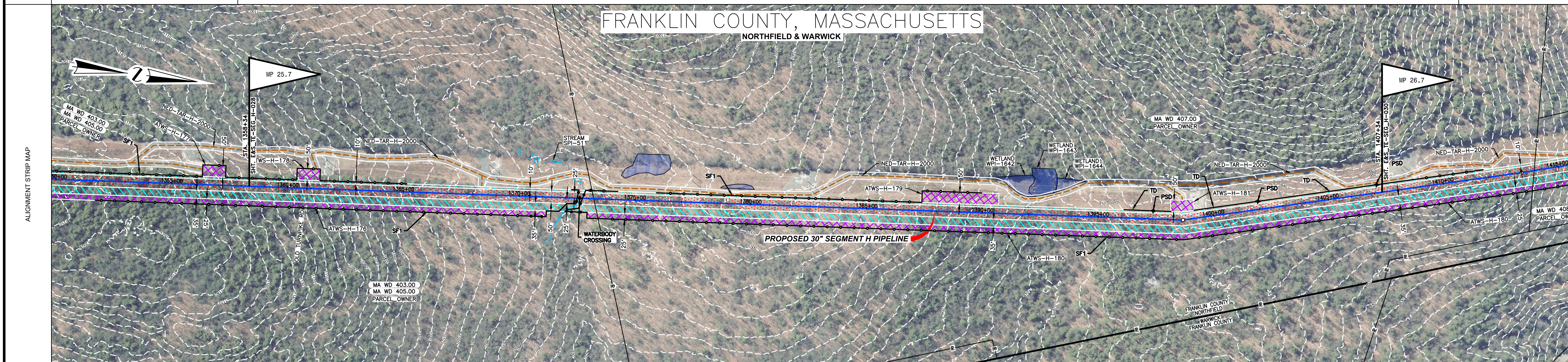
SOILS	
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PROFILE LEGEND

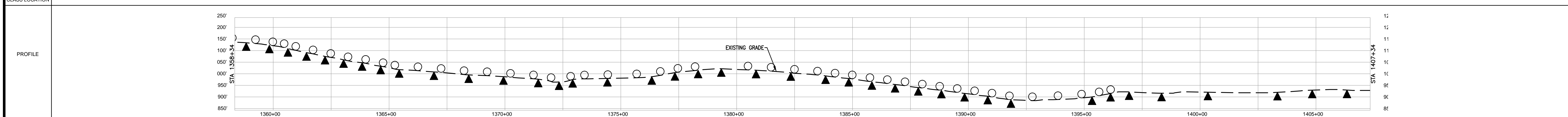
- SLOPE BREAKERS (Circle symbol)
- TRENCH PLUG (Triangle symbol)

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PROTECTION EASEMENT	
LINE LIST	
PIPELINE STATIONING	<p>1364+75 E OF OLD TURNPIKE RD</p> <p>1374+86 EDGE OF STREAM 1374+46 EDGE OF STREAM 1374+21 PROPERTY LINE</p> <p>1386+75 E OF OLD TURNPIKE RD</p>



MATERIAL	
COATING	
DESIGN FACTOR	
CLASS LOCATION	



ENVIRONMENTAL	
SOILS	

PROFILE LEGEND

SLOPE BREAKERS ○

TRENCH PLUG ▲

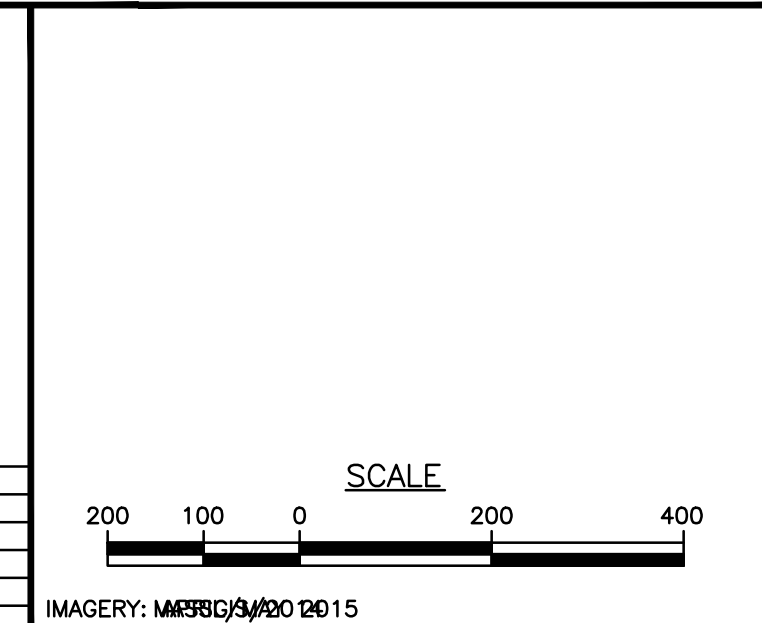
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REFERENCE DRAWINGS

TYPICALS



REVISIONS

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AREA: DIV:

DRAFTER: HMMMM DATE: 01/14/2015

DRAFT COORD: HMMMM DATE: 01/14/2015

Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

**NORTHEAST ENERGY DIRECT PROJECT
PROPOSED 30" PIPELINE
SEGMENT H WRIGHT TO DRACUT PIPELINE SEGMENT
EROSION & SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
FRANKLIN COUNTY, MASSACHUSETTS**

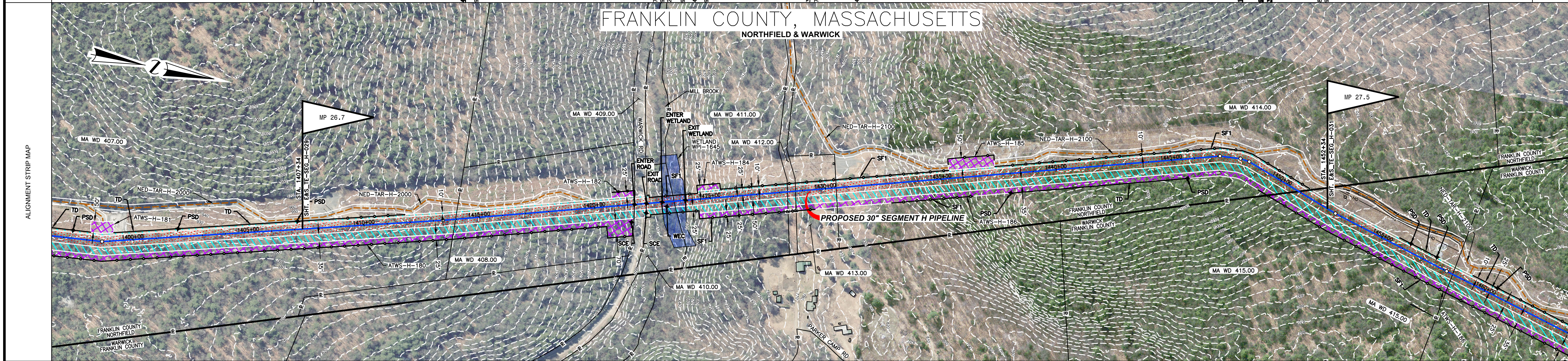
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PROJECT COORD: DATE:

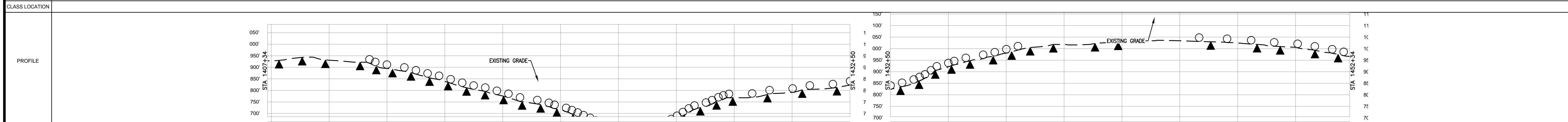
OPER. APPR: DATE:

E&S_TE-SEG_H-029 0

PROTECTION EASEMENT	
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