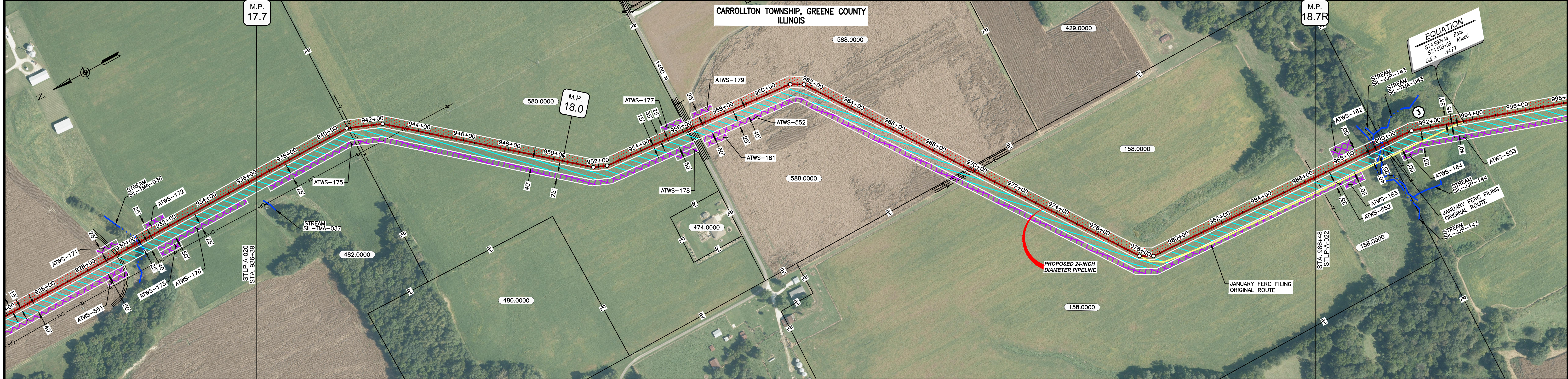


OWNERSHIP / FOOTAGE	482.0000	580.0000	588.0000	158.0000
STATIONING	936+39	944+39	956+19	966+48



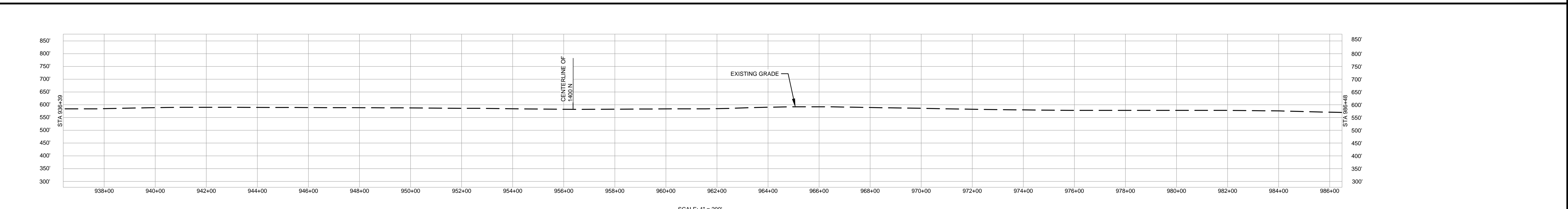
CLASS LOCATION/MAOP	CLASS I / 1440 PSIG																																	
MATERIAL & COATING	<table border="1"> <tr> <td>936+39</td> <td>944+39</td> <td>956+19</td> <td>966+48</td> <td>936+39</td> <td>944+39</td> <td>956+19</td> <td>966+48</td> <td>936+39</td> <td>944+39</td> <td>956+19</td> <td>966+48</td> </tr> <tr> <td colspan="3">1</td> <td colspan="3">2</td> <td colspan="3">1</td> <td colspan="3"></td> </tr> </table>										936+39	944+39	956+19	966+48	936+39	944+39	956+19	966+48	936+39	944+39	956+19	966+48	1			2			1					
936+39	944+39	956+19	966+48	936+39	944+39	956+19	966+48	936+39	944+39	956+19	966+48																							
1			2			1																												
DESIGN FACTOR	0.72			0.6			0.72																											
CONSTRUCTION METHOD	OPEN CUT			BORE			OPEN CUT																											
PIPELINE COVER	5'																																	
SOILS	280C2	257B	61A	47A	257B	280B	280C2	280B	280C2	280B	280C2																							
LAND USE	AG	D	AG	OL D OL	AG	AG	AG	AG	AG	AG	AG																							

THE LOCATION OF TRENCH PLUGS AND WATERBARS ARE INTENDED TO BE USED AS A GUIDE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CHIEF INSPECTOR.

PERMANENT WATERBAR WITH COMPOST FILTER  
SOCK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15 - 30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10 - 15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100

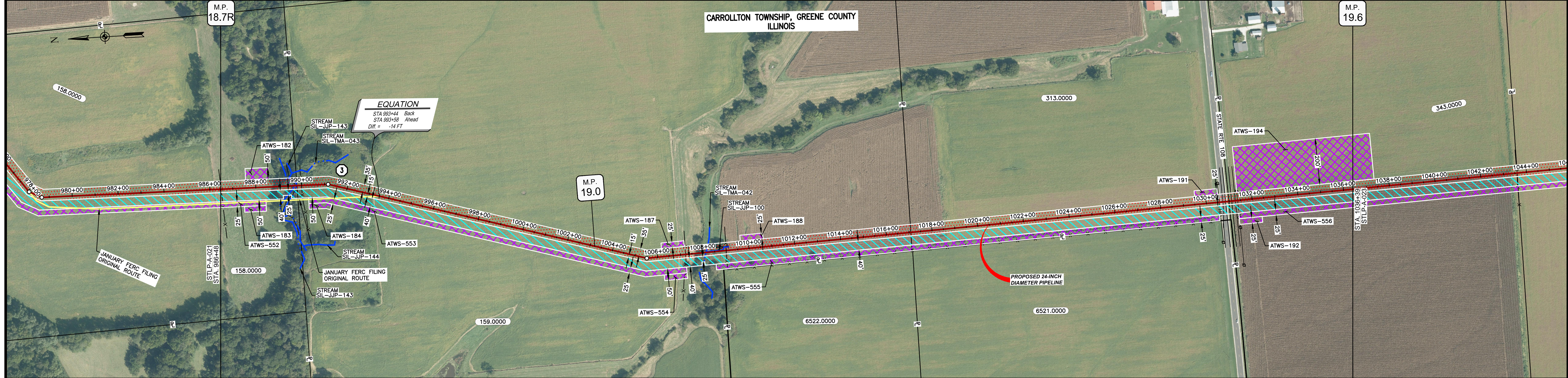


- NOTES:
1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
  2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
  3. PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
  4. ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

MATERIAL			REFERENCE DRAWINGS			REVISIONS				APPROVALS			PREPARED FOR		SPIRE STL PIPELINE PROJECT		
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	MOTT MACDONALD	PROPOSED 24-INCH DIAMETER PIPELINE GREENE COUNTY, ILLINOIS STA. 936+39 TO STA. 986+48		
1	4929'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	03/2017	SCALE PROFILE H: 1" = 200'				
2	80'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	RJP	03/2017	SCALE PROFILE V: 1" = 200'				
											CLIENT APPROVAL						
											D.G.G.	04/2017					
											P.M. APPROVAL	DATE					
											J.E.W.	04/2014					



OWNERSHIP / FOOTAGE	886+48	158.0000	331'	886+79	159.0000	2715'	1017+08	313.0000	1391'	1030+09	343.0000	540'	1036+39
STATIONING	<p>986+48 FENCE</p> <p>986+48 EDGE OF STREAM SIL-JP-143 986+50 CENTERLINE OF STREAM SIL-JP-143 986+79 EDGE OF STREAM SIL-JP-143 986+79 PROPERTY LINE 986+88 FENCE 986+88 CENTERLINE OF STREAM SIL-TMA-042</p> <p>986+88 PROPERTY CHANGE BACK STA. 989+44 AHEAD STA. 991+88</p> <p>1005+53 PL. 1/8"=100' H.L.T.</p> <p>1007+22 FENCE</p> <p>1008+11 CENTERLINE OF STREAM SIL-TMA-042</p> <p>1009+40 FENCE</p> <p>1017+08 PROPERTY LINE</p> <p>1030+07 OVERHEAD LINE 1030+72 CENTERLINE OF BENCH 1030+88 CENTERLINE OF STATE RTE 108 1030+98 PROPERTY LINE 1031+11 EDGE OF PAVEMENT 1031+27 CENTERLINE OF BENCH 1031+37 OVERHEAD LINE</p>												



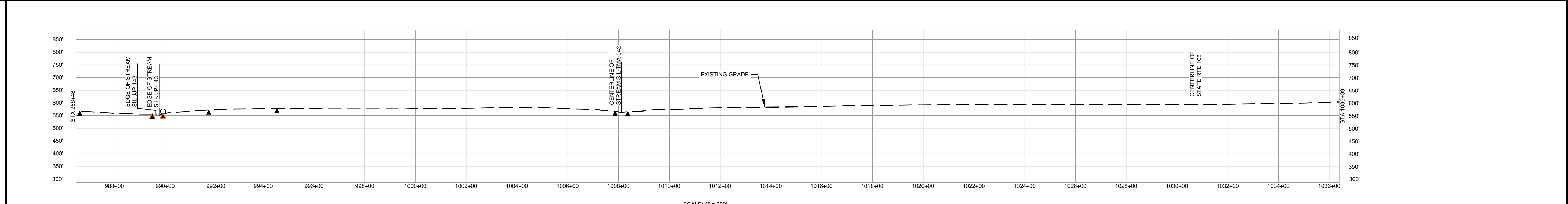
CLASS LOCATION/MAOP	CLASS I / 1440 PSIG												
MATERIAL & COATING													
DESIGN FACTOR	0.72												
CONSTRUCTION METHOD	OPEN CUT												
PIPELINE COVER	5'												
SOILS	280C2, 280D, 3451A, 280D, 675B, 61A, 675B, 280C2, 675B, 675C2, 280D, 675C2, 675B, 61A, 51A, 51B												
LAND USE	AG, F, OW, F, AG, F, AG, 61A, D, OL, AG												

THE LOCATION OF TRENCH PLUGS AND WATERBARS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CHIEF INSPECTOR.

PERMANENT WATERBAR WITH COMPOST FILTER  
SOOK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



- NOTES:
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  3. PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
  4. ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

MATERIAL			REFERENCE DRAWINGS			REVISIONS				APPROVALS			PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	SCALE PROFILE H: 1" = 200'	SCALE PROFILE V: 1" = 200'	SCALE	DRAWING NO.	REVISION
1	4897'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	03/2017				1" = 200'	STLP-A-022	2
2	80'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	RJP	03/2017						

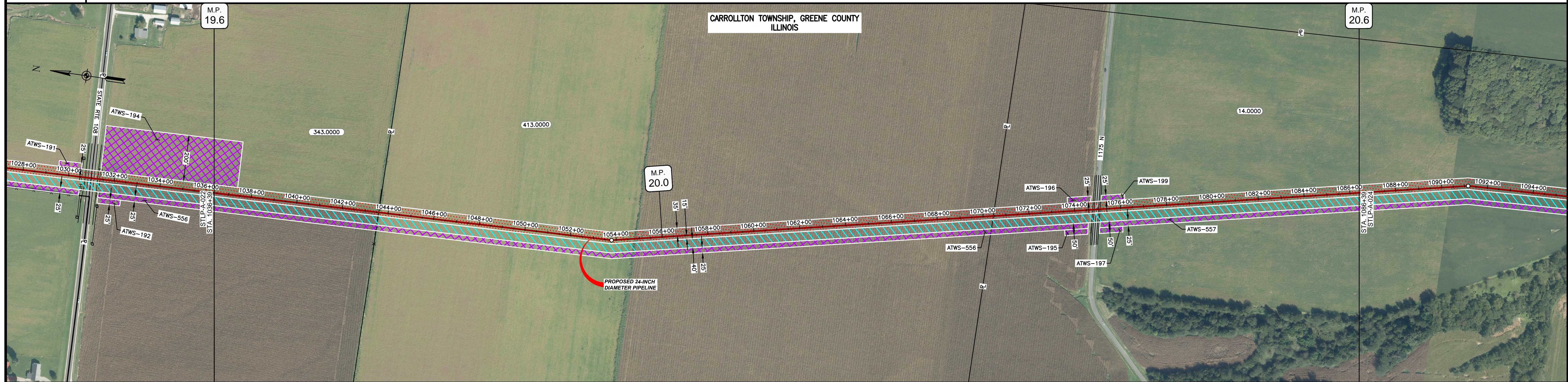
**Spire STL Pipeline**

**MOTT MACDONALD**

SCALE: 1" = 200'  
 DRAWING NO.: STLP-A-022  
 REVISION: 2



OWNERSHIP / FOOTAGE		343.0000 720'	413.0000 2686'	14.0000 1594'
STATIONING		1036+39	1074+45	1086+39



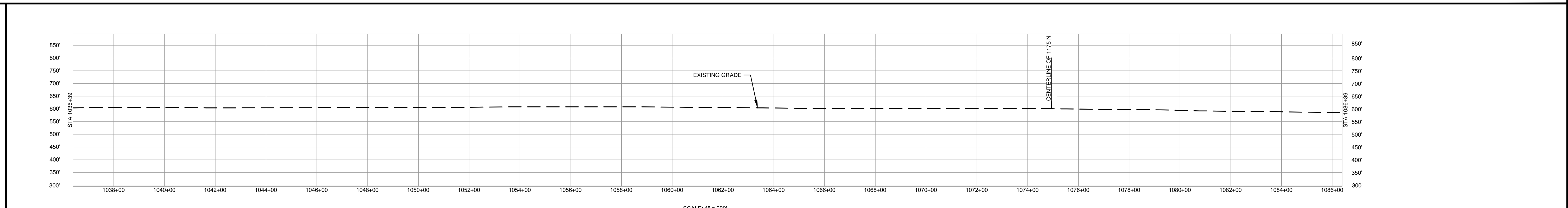
CLASS LOCATION/MAOP	CLASS 1 / 1440 PSIG			
MATERIAL & COATING	1036+39	1074+50	1076+30	1086+39
DESIGN FACTOR	0.72		0.6	0.72
CONSTRUCTION METHOD	OPEN CUT		BORE	OPEN CUT
PIPELINE COVER	5'			
SOILS	51B	68A	51A	51B, 675B, 51B, 675B, 279C2
LAND USE	AG		D	AG

THE LOCATION OF TRENCH PLUGS AND WATERBARS ARE INTENDED TO BE USED AS A GUIDE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CHIEF INSPECTOR.

PERMANENT WATERBAR WITH COMPOST FILTER  
SOOK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



- NOTES:
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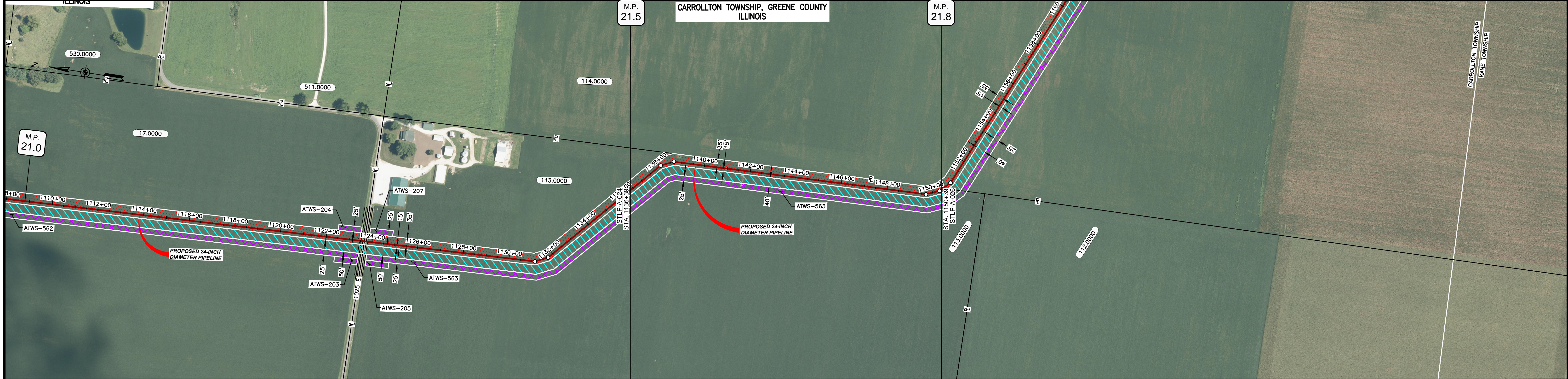
MATERIAL		REFERENCE DRAWINGS		REVISIONS				APPROVALS		SCALE PLAN:		PREPARED FOR		SPIRE STL PIPELINE PROJECT				
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN:	SCALE PROFILE H:	SCALE PROFILE V:		ALIGNMENT SHEET PROPOSED 24-INCH DIAMETER PIPELINE GREENE COUNTY, ILLINOIS STA. 1036+39 TO STA. 1086+39	
1	4920'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	03/2017	1" = 200'	1" = 200'	1" = 200'			
2	80'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	CHECKED BY	DATE	CLIENT APPROVAL		PREPARED BY	SCALE	DRAWING NO.	
											RJP	03/2017	DATE			1" = 200'	STLP-A-023	2
											ENG. APPROVAL	DATE	DATE					
											D.G.G	04/2017	DATE					
											P.M. APPROVAL	DATE	DATE					
											J.E.W	04/2017	DATE					







OWNERSHIP / FOOTAGE	
STATIONING	



CLASS LOCATION/MAOP	CLASS 1 / 1440 PSIG					
MATERIAL & COATING	1400'					
DESIGN FACTOR	0.72					
CONSTRUCTION METHOD	OPEN CUT					
PIPELINE COVER	5'					
SOILS	257B	47A	257B	68A	47A	68A
LAND USE	AG					

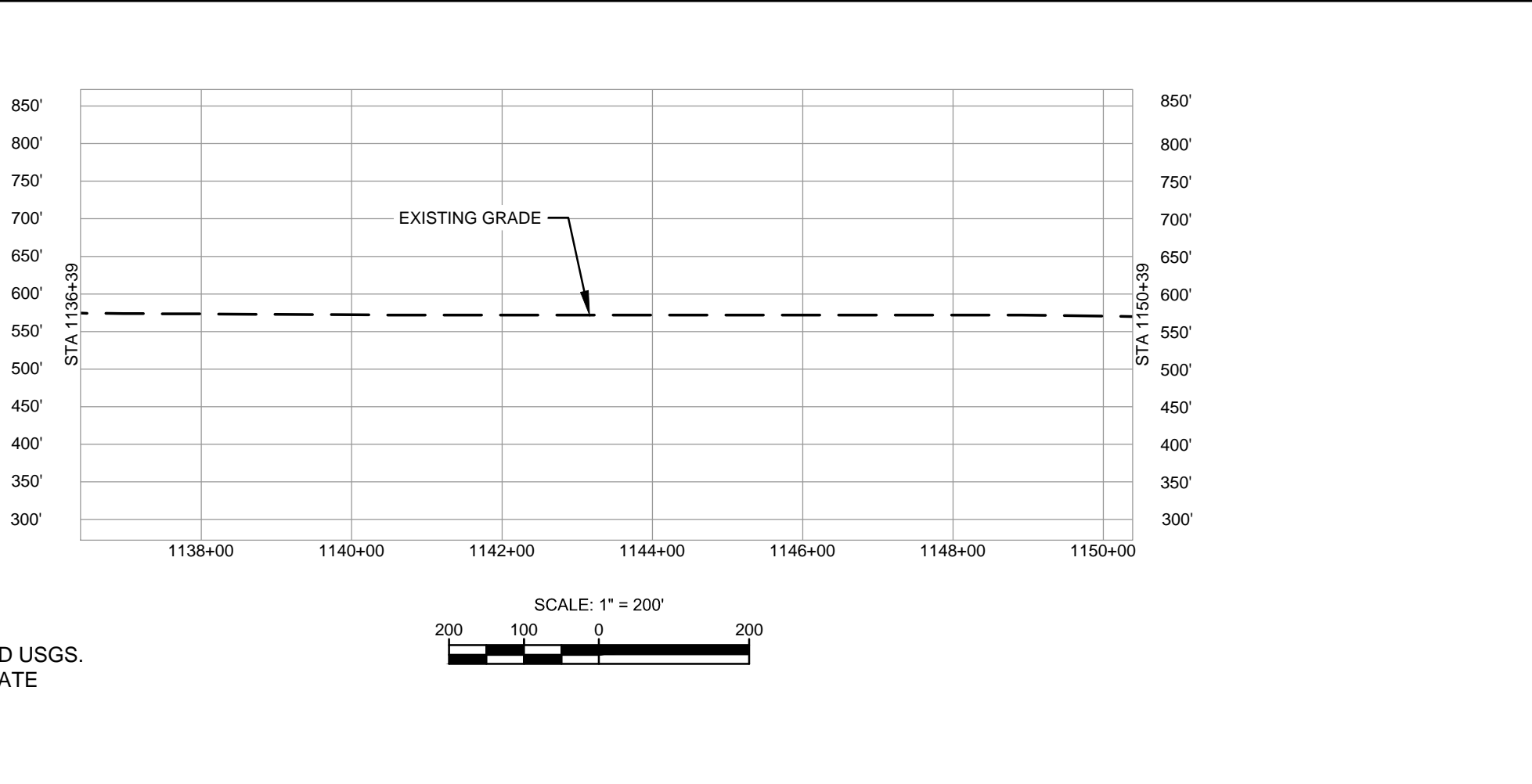
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PERMANENT WATERBAR WITH COMPOST FILTER  
SOOK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15 - 30%	200	200
>30%	100	100
MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10 - 15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100

NOTES:

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MATERIAL		REFERENCE DRAWINGS		REVISIONS				APPROVALS		PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	SCALE PROFILE H: 1" = 200'	SCALE PROFILE V: 1" = 200'
1	1400'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	1/2017	GH	EB	DGG	DP	03/2017			
					2	AMENDMENT TO FERC	4/2017	KAM	WH	DGG	RJP	03/2017			
											ENG. APPROVAL	DATE	CLIENT APPROVAL		
											D.G.G	04/2017			
											P.M. APPROVAL	DATE			
											J.E.W	04/2017			

PREPARED BY: **M M**  
MOTT MACDONALD

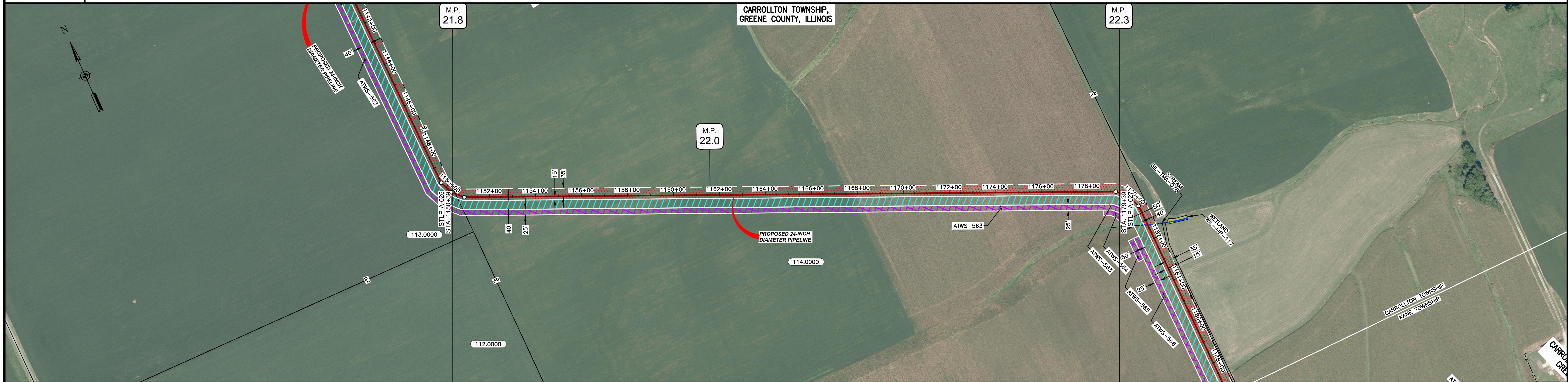
SCALE: 1" = 200'

DRAWING NO.: STLP-A-025

REVISION: 2



OWNERSHIP / FOOTAGE		113.0000 11'	114.0000 2889'	1179+39
STATIONING		1150+39		1179+39



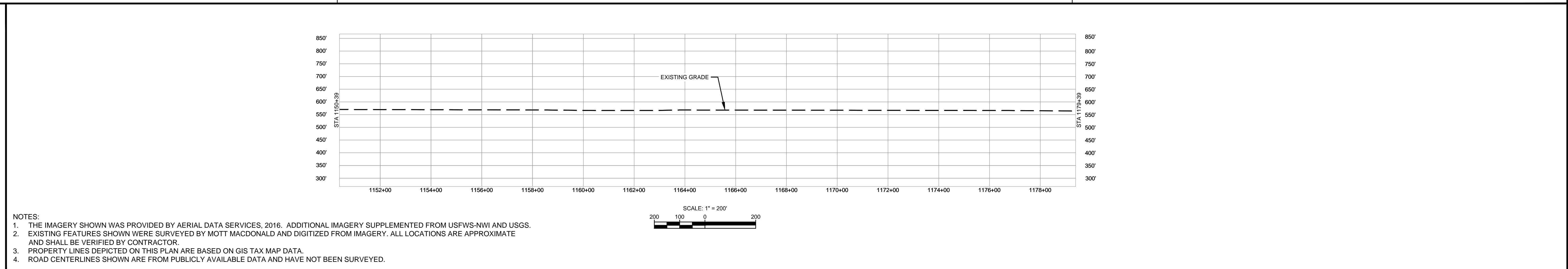
CLASS LOCATION/MAOP	CLASS I / 1440 PSIG					
MATERIAL & COATING	2900'					
DESIGN FACTOR	0.72					
CONSTRUCTION METHOD	OPEN CUT					
PIPELINE COVER	5'					
SOILS	68A	51A	51B	47A	61A	675C2
LAND USE	AG					

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PERMANENT WATERBAR WITH COMPOST FILTER  
SOCK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15 - 30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10 - 15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100

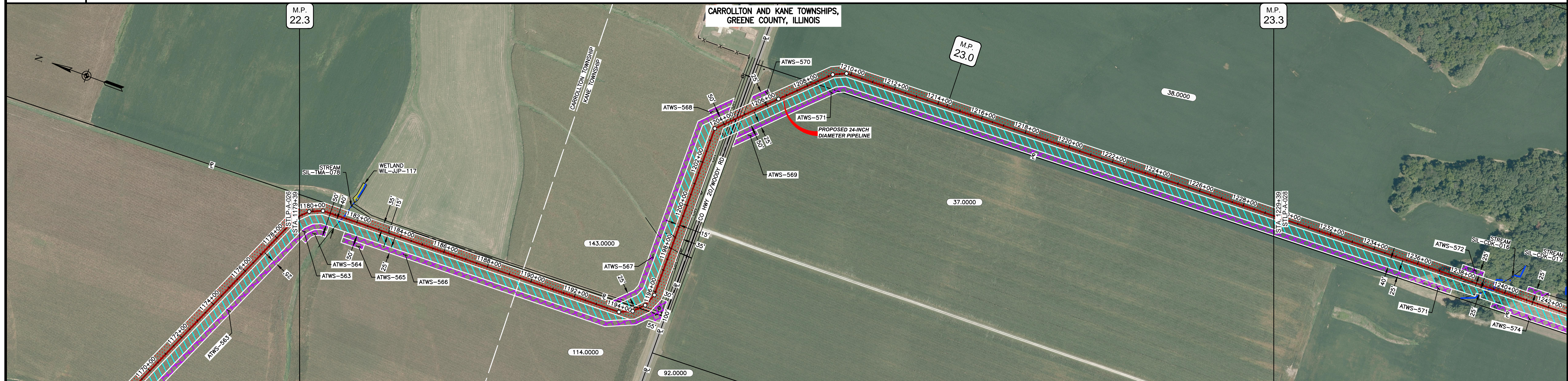


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MATERIAL		REFERENCE DRAWINGS		REVISIONS					APPROVALS		PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	ALIGNMENT SHEET		
1	2900'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	04/2017	SCALE PROFILE H: 1" = 200'	PROPOSED 24-INCH DIAMETER PIPELINE		
					2	AMENDMENT TO FERC	04/2017				RJP	04/2017	SCALE PROFILE V: 1" = 200'	GREENE COUNTY, ILLINOIS		
											ENG. APPROVAL	DATE	CLIENT APPROVAL	STA. 1150+39 TO STA. 1179+39		
											DGG	04/2017	DATE	SCALE	DRAWING NO.	REVISION
											P.M. APPROVAL	DATE	DATE	1" = 200'	STLP-A-026	2
											JEV	04/2017				



OWNERSHIP / FOOTAGE		1179+39	1184+95	1204+80	1208+29	1229+39
		1556'	965'	37,000'	38,000'	
STATIONING		1179+39	1184+95	1204+80	1208+29	1229+39



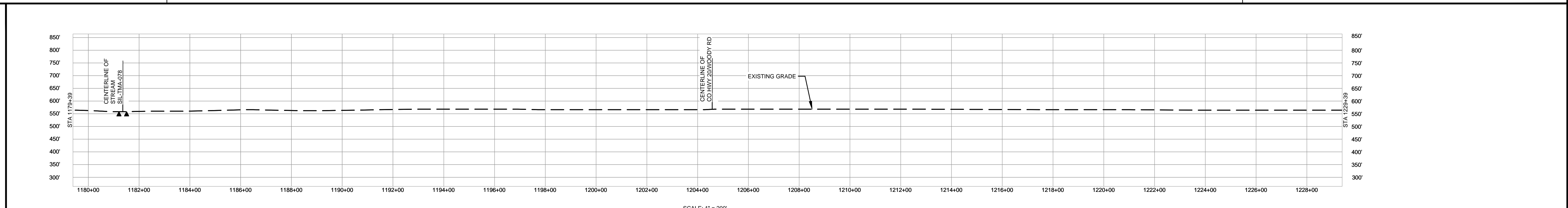
CLASS LOCATION/MAOP	CLASS I / 1440 PSIG																				
MATERIAL & COATING	1179+39																				
DESIGN FACTOR	0.72																				
CONSTRUCTION METHOD	OPEN CUT				OPEN CUT (FLUMED)				OPEN CUT				BORE		OPEN CUT						
PIPELINE COVER	5'																				
SOILS	675C2	279C2	675C2	279C2	675B	675C2	675B	675C2	51A	279C2	675B	279C2	675B	279C2	675B	61A	51A	68A	61A	280C2	280B
LAND USE	AG																				

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PERMANENT WATERBAR WITH COMPOST FILTER  
SOOK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100

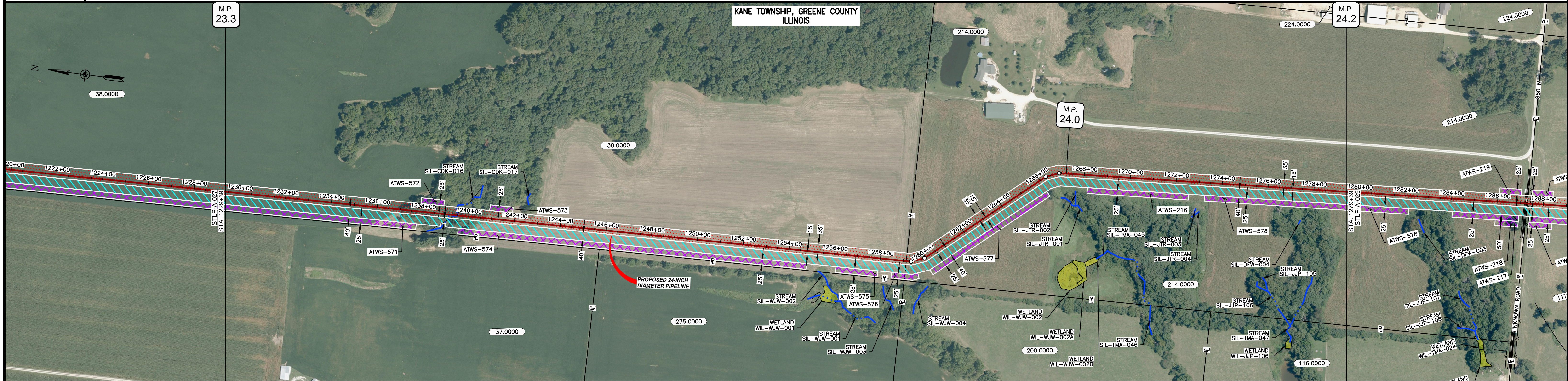


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MATERIAL			REFERENCE DRAWINGS			REVISIONS					APPROVALS			PREPARED FOR		SPIRE STL PIPELINE PROJECT		
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	PREPARED BY	<p style="text-align: center;"><b>Spire STL Pipeline</b></p> <p style="text-align: center;">ALIGNMENT SHEET PROPOSED 24-INCH DIAMETER PIPELINE GREENE COUNTY, ILLINOIS STA. 1179+39 TO STA. 1229+39</p>			
1	4920'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	04/2017	SCALE PROFILE H: 1" = 200'					<p style="text-align: center;"><b>M M</b> MOTT MACDONALD</p>
2	80'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	DP	WH	DGG	RJP	04/2017	SCALE PROFILE V: 1" = 200'	DATE	1" = 200'	STLP-A-027	2	



OWNERSHIP / FOOTAGE		38.0000 2974'	214.0000 2026'
STATIONING		1229+39	1279+39



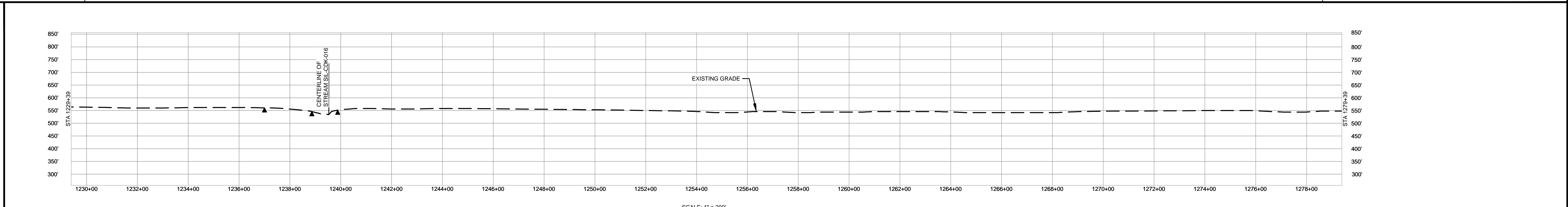
CLASS LOCATION/MAOP	CLASS I / 1440 PSIG													
MATERIAL & COATING	5000' (1)													
DESIGN FACTOR	0.72													
CONSTRUCTION METHOD	OPEN CUT			OPEN CUT (FLUMED)				OPEN CUT						
PIPELINE COVER	5'													
SOILS	280B	280C2	280B	280C2	280D	280B	17A	280B	280D2	280B	280D2	280B	280D2	280B
LAND USE	AG			F				AG						

THE LOCATION OF TRENCH PLUGS AND WATERBARS ARE INTENDED TO BE USED AS A GUIDE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CHIEF INSPECTOR.

PERMANENT WATERBAR WITH COMPOST FILTER  
SOOK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100

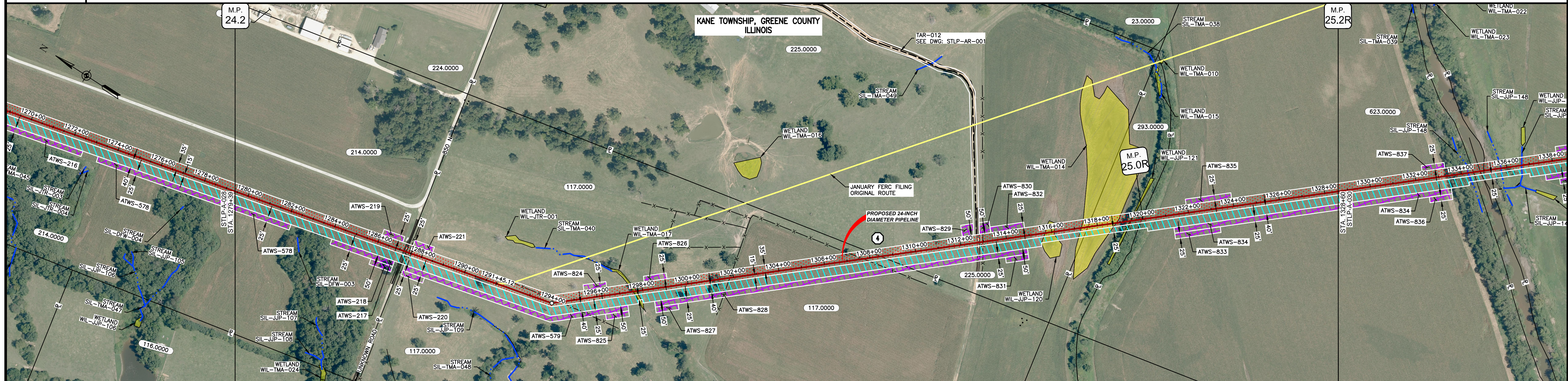


- NOTES:
- THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
  - EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
  - PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
  - ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

MATERIAL		REFERENCE DRAWINGS		REVISIONS				APPROVALS			SCALE PLAN		PREPARED FOR		SPIRE STL PIPELINE PROJECT				
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN:	SCALE PROFILE H:	SCALE PROFILE V:	PREPARED BY	SCALE	DRAWING NO.	REVISION
1	5000'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED			1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	04/2017	1" = 200'	1" = 200'	1" = 200'	<b>M M</b> MOTT MACDONALD	1" = 200'	STLP-A-028	2
					2	AMENDMENT TO FERC	04/2017				RJP	04/2017							



OWNERSHIP / FOOTAGE	1279+39	214.0000	790'	1287+68	117.0000	2118'	1308+47	225.0000	911'	1317+59	293.0000	236'	1318+84	823.0000	866'	1328+60
STATIONING				1287+17 CENTERLINE OF DITCH 1287+21 EDGE OF GRAVEL 1287+26 CENTERLINE OF UNKNOWN RD 1287+30 PROPERTY LINE 1287+42 FENCE	1284+02 FL < 27.30% SLT 1284+07 FENCE	1297+68 ENTER WETLAND WIL-TMA-017 1297+73 EXIT WETLAND WIL-TMA-017	1301+64 FENCE	1307+71 FENCE 1308+47 PROPERTY LINE	1312+12 EDGE OF DIRT RD 1312+18 CENTERLINE OF FIELD RD 1312+66 FENCE	1315+11 ENTER WETLAND WIL-JUP-120 1316+12 EXIT WETLAND WIL-JUP-120	1317+00 ENTER WETLAND WIL-TMA-014 1317+08 PROPERTY LINE	1318+83 EXIT WETLAND WIL-TMA-014	1319+44 ENTER WETLAND WIL-JUP-121 1319+48 EXIT WETLAND WIL-JUP-121 1319+94 PROPERTY LINE			



CLASS LOCATION/MAOP	CLASS I / 1440 PSIG																																																		
MATERIAL & COATING	<table border="1"> <tr> <td>1279+39</td> <td colspan="2">746'</td> <td>1286+85</td> <td>80'</td> <td>1287+65</td> <td colspan="10">4095'</td> <td>1328+60</td> </tr> <tr> <td></td> <td>1</td> <td></td> <td>2</td> <td></td> <td></td> <td>1</td> <td colspan="10"></td> <td></td> </tr> </table>																1279+39	746'		1286+85	80'	1287+65	4095'										1328+60		1		2			1											
1279+39	746'		1286+85	80'	1287+65	4095'										1328+60																																			
	1		2			1																																													
DESIGN FACTOR	0.72					0.6					0.72																																								
CONSTRUCTION METHOD	OPEN CUT					OPEN CUT (FLUMED)					OPEN CUT																																								
PIPELINE COVER	7'																																																		
SOILS	280B	280C2	280B	280C2	280B	8D	280B	8D	8D2	280B	8D2	134C2	3331A	3451A																																					
LAND USE	AG		OL	AG			W	AG			OL	AG	W	AG	W	AG																																			

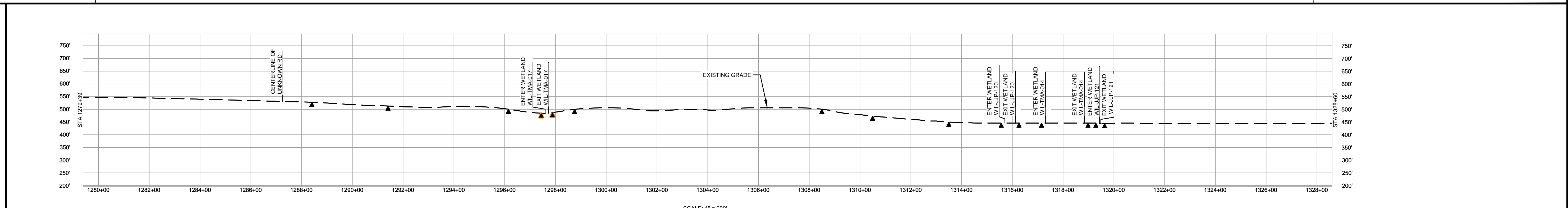
THE LOCATION OF TRENCH PLUGS AND WATERBARS ARE INTENDED TO BE USED AS A GUIDE ONLY. EACH LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CHIEF INSPECTOR.

PERMANENT WATERBAR WITH COMPOST FILTER  
SOCK AT WATERBAR DISCHARGE  
PERMANENT TRENCH PLUG

ILLINOIS		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
5-15%	300	300
15-30%	200	200
>30%	100	100

MISSOURI		
SLOPE	SLOPE BREAKER SPACING (FT)	TRENCH PLUG SPACING (FT)
<5%	125	---
5-10%	100	300
10-15%	75	300
15-20%	75	200
20-30%	50	200
30-35%	50	100
>35%	25	100



- NOTES:
1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
  2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
  3. PROPERTY LINES DEPICTED ON THIS PLAN ARE BASED ON GIS TAX MAP DATA.
  4. ROAD CENTERLINES SHOWN ARE FROM PUBLICLY AVAILABLE DATA AND HAVE NOT BEEN SURVEYED.

MATERIAL			REFERENCE DRAWINGS		REVISIONS				APPROVALS		PREPARED FOR		SPIRE STL PIPELINE PROJECT		
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	ALIGNMENT SHEET		
1	4841'	PIPE, 24.000" OD X 0.375" WT, API-5L, X70, DSAW, FBE COATED	STLP-AR-001	ACCESS ROAD SITE PLAN - TAR-012	1	ISSUE FOR FERC	01/2017	GH	EB	DGG	DP	04/2017	PROPOSED 24-INCH DIAMETER PIPELINE		
2	80'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	DP	WH	DGG	RJP	04/2017	GREENE COUNTY, ILLINOIS		
													STA. 1279+39 TO STA. 1328+60		
													SCALE	DRAWING NO.	REVISION
													1" = 200'	STLP-A-029	2

**M M**  
 MOTT MACDONALD

SCALE PLAN: 1" = 200'  
 SCALE PROFILE H: 1" = 200'  
 SCALE PROFILE V: 1" = 200'

CLIENT APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PREPARED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



