

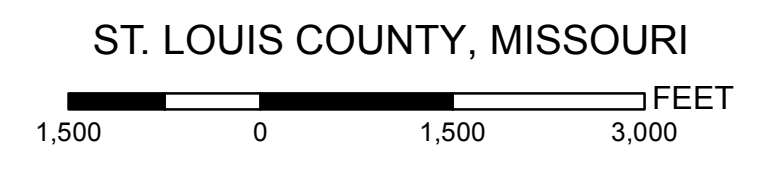
	MILE POST		HIGHWAY		STLP-A-1001 ALIGNMENT SHEET INDEX PAGE NO.		LANDMARK
	PROPOSED M&R FACILITY		MAJOR ROAD		ALIGNMENT SHEET INDEX		WATERBODY
	PROPOSED 24-INCH NORTH COUNTY EXTENSION		LOCAL ROAD		CITY AREA		COUNTY BOUNDARY
			RAILROAD		PARK		STATE BOUNDARY

MAPS COMPILED UTILIZING ESRI BASEMAP.

SPIRE STL PIPELINE PROJECT

ALIGNMENT SHEET INDEX

PROPOSED 24-INCH NORTH COUNTY EXTENSION



ABSOLUTE SCALE:
1:18,000

REFERENCE SCALE:
1 IN = 1,500 FEET

PREPARED FOR

Spire STL Pipeline

PREPARED BY

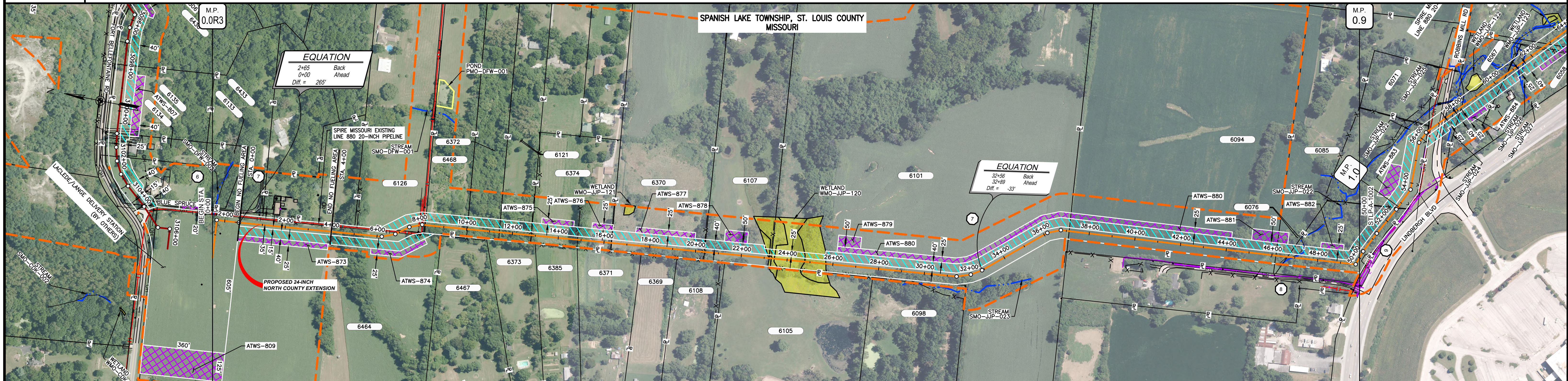
M M

**MOTT
MACDONALD**

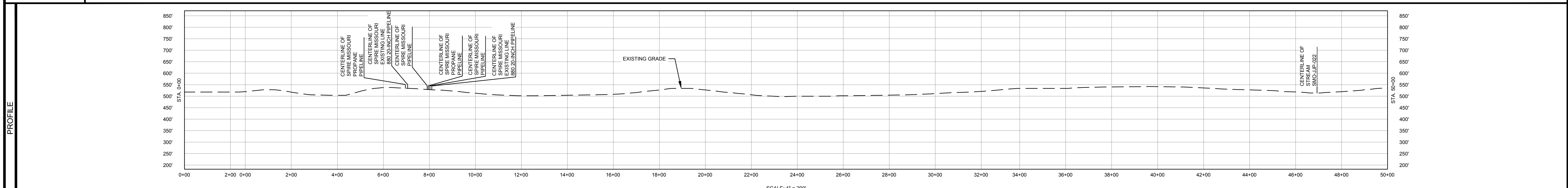
DRAWN BY:	EAP 12/16/2016
CHECKED BY:	AJD 05/15/2018
ENG. APPROVAL:	DG 05/15/2018
APPROVED BY:	JW 05/15/2018
REV. DATE:	05/2018
REVISION:	5
DESC:	ISSUED FOR IMPLEMENTATION
DWG. NO:	STLP-ASI-004

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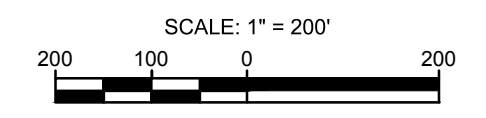
OWNERSHIP / FOOTAGE	0+00	6464	97'9"	7+14	6126	105'	6468	183'	6372	10+02	6121	140'	6374	351'	6370	406'	6107	292'	23+31	6101	1347'	6094	905'	6085	51'	6078	332'	50+00																	
STATIONING	1+65 88'58" RT	2+45 70'34" LT		6+22 18'04" LT	6+42 18'07" LT	6+44 CENTERLINE OF LAKEDE PROPRANE PIPELINE	6+44 CENTERLINE OF SPIRE MISSOURI PROPRANE PIPELINE	7+04 EXISTING LINK PIPELINE	7+04 CENTERLINE OF SPIRE MISSOURI EXISTING LINE 880 20-INCH PIPELINE	7+14 PROPERTY LINE	7+48 18'02" RT	7+48 EXISTING SPIRE PIPELINE	7+48 CENTERLINE OF SPIRE MISSOURI PIPELINE	7+48 CENTERLINE OF LAKEDE PROPRANE PIPELINE	7+48 CENTERLINE OF SPIRE MISSOURI PROPRANE PIPELINE	8+01 EXISTING SPIRE PIPELINE	8+01 CENTERLINE OF SPIRE MISSOURI PIPELINE	8+01 CENTERLINE OF SPIRE MISSOURI EXISTING LINE 880 20-INCH PIPELINE	8+09 EXISTING LINK PIPELINE	8+09 CENTERLINE OF SPIRE MISSOURI EXISTING LINE 880 20-INCH PIPELINE	8+19 PROPERTY LINE	10+02 PROPERTY LINE	12+80 EXISTING FENCE	12+82 PROPERTY LINE	14+83 EXISTING FENCE	14+83 EXISTING FENCE	16+30 EXISTING FENCE	16+33 PROPERTY LINE	19+75 UTILITY POLE 81' LT.	20+33 UTILITY POLE 21' LT.	20+36 EXISTING FENCE	20+39 PROPERTY LINE	21+10 UTILITY POLE 39' RT.	23+28 EXISTING FENCE	31+41 12'22" LT	32+04 12'11" LT	32+68 8'17" RT	38+18 12'15" RT	38+78 12'13" RT	37+12 PROPERTY LINE	46+17 PROPERTY LINE	46+68 PROPERTY LINE	46+82 CENTERLINE OF FITCH	46+95 CENTERLINE OF STREAM SMO-JUP-022	48+67 12'13" RT



CLASS LOCATION/MAOP	CLASS II / 1440 PSIG																											
MATERIAL & COATING	5183' (3)																											
DESIGN FACTOR	0.6																											
CONSTRUCTION METHOD	OPEN CUT																											
PIPELINE COVER	5' MIN																											
SOILS	60171	60001	60003	60001	60003	66024	60003	60001	60003	66024	60003	60165	60001	60003	60165													
LAND USE	AG F AG OL F OL F AG F D F D F AG F AG F AG F AG F W F AG F AG F																											

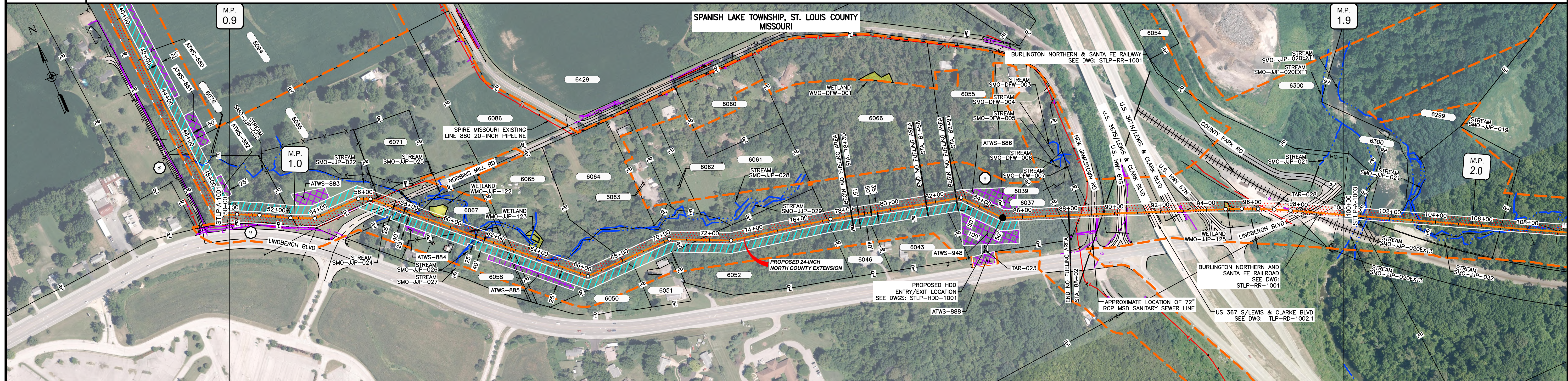


- NOTES:
1. THE IMAGERY SHOWN WAS PROVIDED BY AERIAL DATA SERVICES, 2016. ADDITIONAL IMAGERY SUPPLEMENTED FROM USFWS-NWI AND USGS.
 2. EXISTING FEATURES SHOWN WERE SURVEYED BY MOTT MACDONALD AND DIGITIZED FROM IMAGERY. ALL LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.

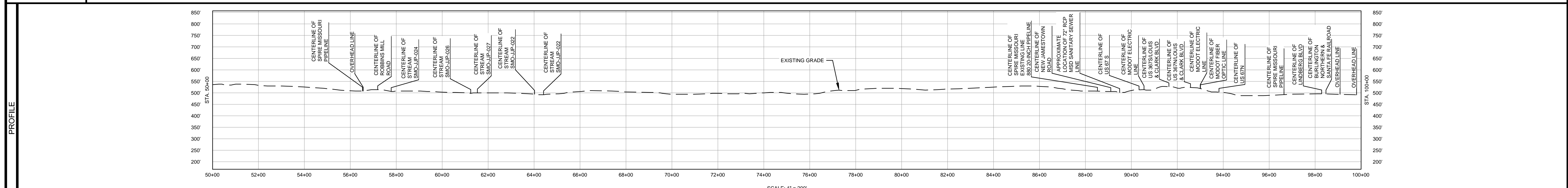


MATERIAL			REFERENCE DRAWINGS		REVISIONS				APPROVALS			PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	Spire STL Pipeline	ALIGNMENT SHEET PROPOSED 24-INCH NORTH COUNTY EXTENSION ST. LOUIS COUNTY, MISSOURI STA. 0+00 TO STA. 50+00		
3	5183'	PIPE, 24.000" OD X 0.500" WT, API-5L X70, DSAW, FBE COATED	STLP-A-068	ALIGNMENT SHEET	2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	KAM	07/2017	SCALE PROFILE H: 1" = 200'				
21	2	ELL, 24.000" OD X 0.500" WT, 3DR, WPHY70, FBE COATED			3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGG	CHECKED BY	DATE	CLIENT APPROVAL				
REF	49'	SEE REFERENCE DETAIL DRAWING			4	FERC SUPPLEMENTAL FILING	10/2017	DP	RJP	DGG	WH	07/2017					
					5	ISSUED FOR IMPLEMENTATION PLAN	05/2018	RJR	RJP	DGG	ENG. APPROVAL	DATE					
											P.M. APPROVAL	DATE					
											JEW	07/2017					

OWNERSHIP / FOOTAGE	STATIONING
50+00	50+00
274'	50+24
372'	50+48
177'	50+65
245'	50+89
191'	51+00
27'	51+27
520'	51+79
346'	52+15
71+82	52+86
570'	53+56
77+92	54+33
616'	55+09
70'	55+79
84+08	56+03
355'	56+38
87+63	57+25
90'	57+55
785'	58+40
86+38	59+26
362'	59+62
100+00	60+00



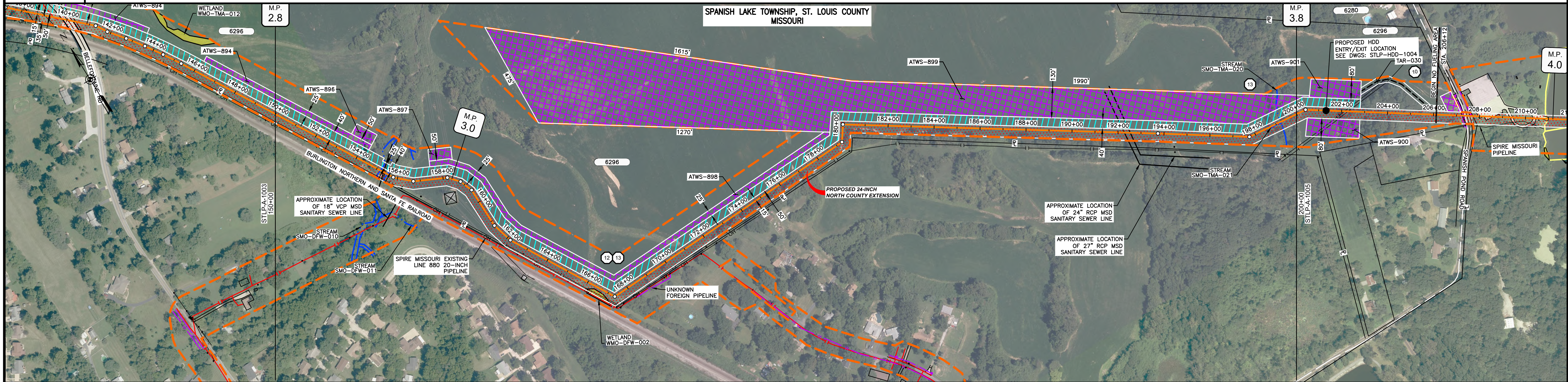
CLASS LOCATION/MAOP	MATERIAL & COATING	DESIGN FACTOR	CONSTRUCTION METHOD	PIPELINE COVER	SOILS	LAND USE
CLASS II / 1440 PSIG	89-32, 89-38	0.6, 0.5	OPEN CUT, BORE, OPEN CUT, OPEN CUT (FLUMED), OPEN CUT (FLUMED)	5' MIN	60165, 60003, 60004, 60025, 60023, 60005	F, OL, D, OL, D, F, DW, F, OL, O, OL, F, OL, O, OL, O, OL, O, D, OL, D, O, OL, F, O, F, O, F, O, F



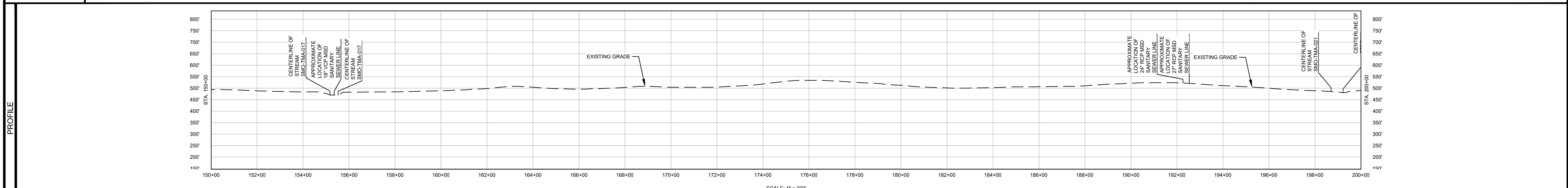
NOTES:
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MATERIAL			REFERENCE DRAWINGS		REVISIONS				APPROVALS		PREPARED FOR		SPIRE STL PIPELINE PROJECT				
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200' SCALE PROFILE H: 1" = 200' SCALE PROFILE V: 1" = 200'	ALIGNMENT SHEET PROPOSED 24-INCH NORTH COUNTY EXTENSION ST. LOUIS COUNTY, MISSOURI STA. 50+00 TO STA. 102+00	SCALE: 1" = 200'	DRAWING NO.: STLP-A-1002	REVISION: 5
2	1692'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED	STLP-RR-1001	BURLINGTON NORTHERN AND SANTA FE RAILROAD	2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	DP	07/2017					
3	3308'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE COATED			3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGG	CHECKED BY	DATE	CLIENT APPROVAL				
21	4	ELL, 24.000" OD X 0.500" WT, 3DR, WPHY70, FBE COATED			4	FERC SUPPLEMENTAL FILING	10/2017	DP	RJP	DGG	RJP	07/2017	DATE				
					5	ISSUED FOR IMPLEMENTATION PLAN	05/2018	RJR	RJP	DGG	ENG. APPROVAL	DATE					
											DGG	07/2017					
											P.M. APPROVAL	DATE					
											JEW	07/2017					

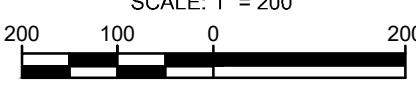
OWNERSHIP / FOOTAGE		150+00	5000'	200+00
STATIONING		150+00	5000'	200+00



CLASS LOCATION/MAOP	CLASS III / 1440 PSIG		CLASS II / 1440 PSIG	
MATERIAL & COATING	5000'			
DESIGN FACTOR	0.5		0.6	
CONSTRUCTION METHOD	OPEN CUT	OPEN CUT (FLUMED)	OPEN CUT	OPEN CUT (FLUMED)
PIPELINE COVER	5' MIN			
SOILS	60001	66024	60003	60025
LAND USE	AG	F	OW	F

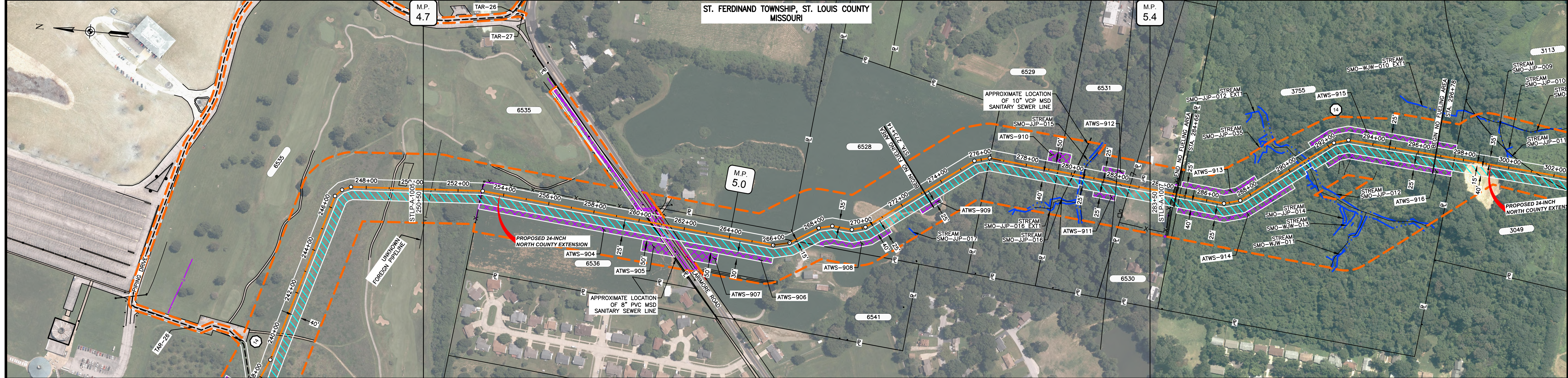


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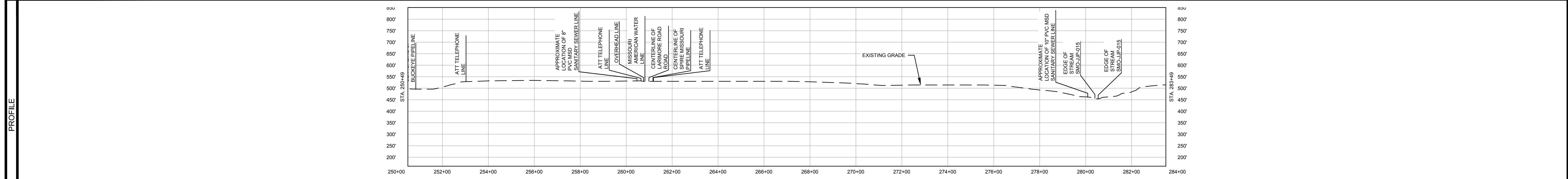


MATERIAL			REFERENCE DRAWINGS		REVISIONS				APPROVALS			PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	SCALE PLAN: 1" = 200'	Spire STL Pipeline	ALIGNMENT SHEET PROPOSED 24-INCH NORTH COUNTY EXTENSION ST. LOUIS COUNTY, MISSOURI STA. 150+00 TO STA. 200+00		
3	5000'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE COATED	STPL-HDD-1003	HDD PROFILE OVERVIEW	2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	DP	07/2017	SCALE PROFILE H: 1" = 200'				
21	3	ELL, 24.000" OD X 0.500" WT, 3DR, WPHY70, FBE COATED			3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGG	CHECKED BY	DATE	SCALE PROFILE V: 1" = 200'	PREPARED BY M M MOTT MACDONALD	SCALE: 1" = 200'		
					4	FERC SUPPLEMENTAL FILING	10/2017	DP	RJP	DGG	ENG. APPROVAL	DATE	CLIENT APPROVAL				
					5	ISSUED FOR IMPLEMENTATION PLAN	05/2018	RJR	RJP	DGG	DGG	07/2017	DATE	DRAWING NO.	REVISION		
											P.M. APPROVAL	DATE		STLP-A-1004	5		
											JEW	07/2017					

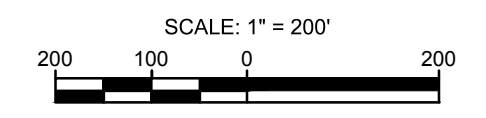
OWNERSHIP / FOOTAGE	250+50	255'	259+05	746'	260+54	85'	261+39	549'	269+85	954'	270+39	301'	279+40	321'	282+61	89'	283+50
STATIONING	<p>250+43 CENTERLINE OF BUCKEYE</p> <p>253+01 EXISTING FENCE</p> <p>253+02 ATT TELEPHONE LINE</p> <p>253+05 PROPERTY LINE</p> <p>253+08 8" PVC ST</p> <p>259+54 PROPERTY LINE</p> <p>260+04 SEWER UTILITY 42" LT.</p> <p>260+06 SEWER LINE</p> <p>260+03 APPROXIMATE LOCATION OF 8" PVC MSD SANITARY SEWER LINE</p> <p>260+05 ATT TELEPHONE LINE</p> <p>260+07 10" WIRE</p> <p>260+14 UTILITY POLE 1" LT.</p> <p>260+15 OVERHEAD LINE</p> <p>260+16 MISSOURI AMERICAN WATER LINE</p> <p>260+18 EDGE OF PAVEMENT</p> <p>260+18 CENTERLINE OF LARIMORE ROAD</p> <p>261+13 EDGE OF PAVEMENT</p> <p>261+16 EXISTING UNK PIPELINE</p> <p>261+18 ATT TELEPHONE LINE</p> <p>261+18 PROPERTY LINE</p> <p>265+04 18" 42" LT.</p> <p>266+08 18" 42" LT.</p> <p>266+08 PROPERTY LINE</p> <p>266+05 18" 42" ST</p> <p>268+09 18" 42" ST</p> <p>269+45 20" 42" LT</p> <p>270+15 20" 42" LT</p> <p>275+21 12" 10" ST</p> <p>275+29 21" 36" ST</p> <p>276+08 PROPERTY LINE</p> <p>279+40 PROPERTY LINE</p> <p>280+09 APPROXIMATE LOCATION OF 10" PVC MSD SANITARY SEWER LINE</p> <p>280+10 CENTERLINE OF STREAM SMO-JP-015</p> <p>280+51 CENTERLINE OF DITCH</p> <p>280+54 CENTERLINE OF STREAM SMO-JP-015</p> <p>280+09 CENTERLINE OF DITCH</p> <p>280+61 PROPERTY LINE</p>																



CLASS LOCATION/MAOP	CLASS III / 1440 PSIG																
MATERIAL & COATING	<p>250+00</p> <p>987' (3)</p> <p>260+37</p> <p>115' (2)</p> <p>281+62</p> <p>2198' (3)</p> <p>283+50</p>																
DESIGN FACTOR	0.5																
CONSTRUCTION METHOD	OPEN CUT																
PIPELINE COVER	5' MIN																
SOILS	60001, 60165, 60003, 60005, 60165, 60005, 60003																
LAND USE	OL, AG, D, AG, OL, F, OL, F, OW, F, AG																

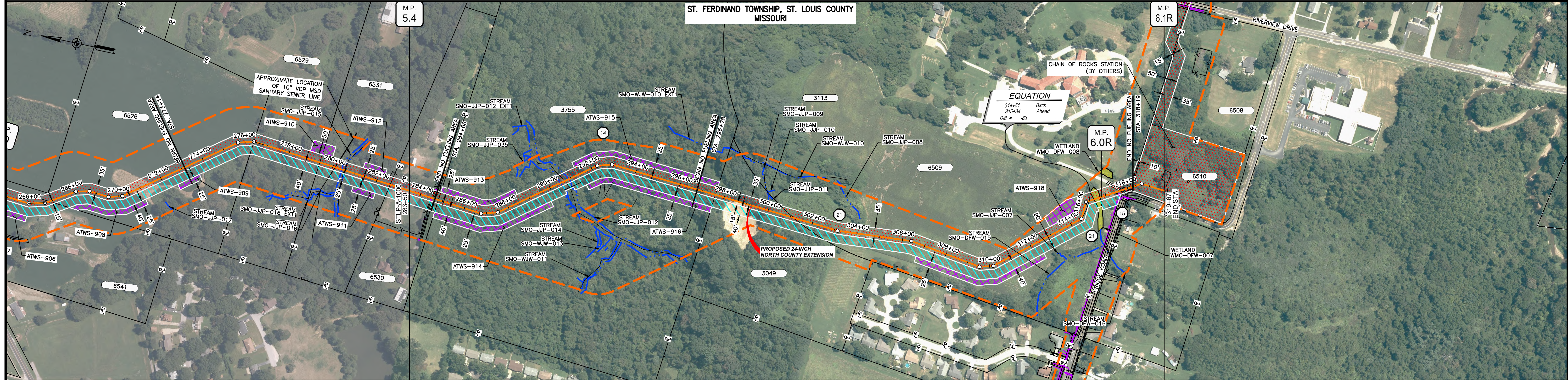


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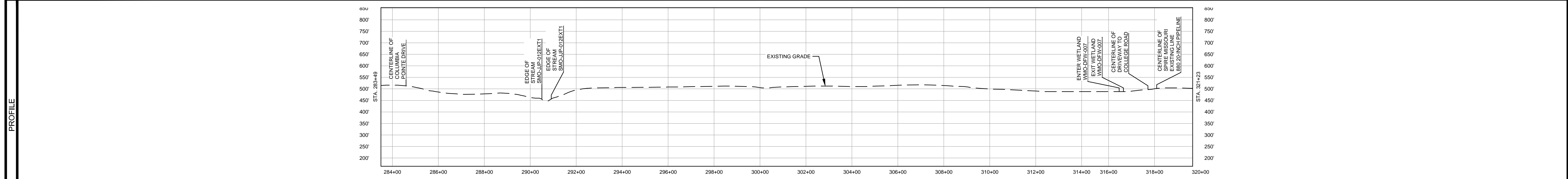
MATERIAL			REFERENCE DRAWINGS		REVISIONS					APPROVALS		PREPARED FOR		SPIRE STL PIPELINE PROJECT			
TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	Spire STL Pipeline		ALIGNMENT SHEET		
2	115'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED			2	AMENDMENT TO FERC	04/2017	KAM	WH	DGG	DP	07/2017	MOTT MACDONALD		PROPOSED 24-INCH NORTH COUNTY EXTENSION		
3	3185'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE COATED			3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP	DGG	CHECKED BY	DATE	MOTT MACDONALD		ST. LOUIS COUNTY, MISSOURI		
					4	FERC SUPPLEMENTAL FILING	10/2017	DP	RJP	DGG	ENG. APPROVAL	DATE	MOTT MACDONALD		STA. 250+50 TO STA. 283+50		
					5	ISSUED FOR IMPLEMENTATION PLAN	05/2018	RJR	RJP	DGG	DGG	07/2017	MOTT MACDONALD		SCALE	DRAWING NO.	REVISION
											P.M. APPROVAL	DATE	MOTT MACDONALD		1" = 200'	STL-P-A-1006	5
											JEW	07/2017	MOTT MACDONALD				

OWNERSHIP / FOOTAGE		283+50	284+81	297+60	301+15	317+24	317+26	318+19	319+67
	880L-043.00 PAVLOVITS 131'		880L-044.00 SOCIAL BETTERMENT PROPERTIES 1279'	880L-045.00 COLEMAN REALTY 355'	880L-047.00 SOCIAL BETTERMENT PROPERTIES 1576'	880L-047.00 SOCIAL BETTERMENT PROPERTIES 22'	880L-048.00 SPIRE 148'		
STATIONING		284+50 EXISTING FENCE	284+54 EDGE OF PAVEMENT	284+59 CENTERLINE OF LINK ROAD	284+65 EDGE OF PAVEMENT	284+81 PROPERTY LINE	284+87 EDGE OF PAVEMENT	284+87 PROPERTY LINE	284+87 PROPERTY LINE



CLASS LOCATION/MAOP	CLASS III / 1440 PSIG		
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MATERIAL & COATING	283+50						319+67								
DESIGN FACTOR	0.5														
CONSTRUCTION METHOD	OPEN CUT			OPEN CUT (FLUMED)	OPEN CUT		BORE	OPEN CUT							
PIPELINE COVER	5' MIN														
SOILS	60003	60005	60165	60003	60165										
LAND USE	AG	F	D	F	OW	F	OL	F	OL	AG	W	AG	OL	D	F



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TAG	QUANTITY	DESCRIPTION	DWG. NO.	TITLE
2	194'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE/ARO COATED	STLP-SS-004	ENABLE MRT CHAIN OF ROCKS STATION SITE PLAN
3	3293'	PIPE, 24.000" OD X 0.500" WT, API-5L, X70, DSAW, FBE COATED		
21	3	ELL, 24.000" OD X 0.500" WT, 3DR, WPHY70, FBE COATED		
REF	47'	SEE REFERENCE DETAIL DRAWING		

REVISIONS				
NO.	REVISIONS	DATE	DRAWN	CK
2	AMENDMENT TO FERC	04/2017	KAM	WH
3	FERC SUPPLEMENTAL FILING	07/2017	KAM	RJP
4	FERC SUPPLEMENTAL FILING	10/2017	DP	RJP
5	ISSUED FOR IMPLEMENTATION PLAN	05/2018	RJR	RJP

APPROVALS		
DRAWN BY	DATE	
DP	07/2017	
CHECKED BY	DATE	
RJP	07/2017	
DATE		
DGG	07/2017	
DATE		
JEW	07/2017	

		<p>SCALE PLAN: 1" = 200' SCALE PROFILE H: 1" = 200' SCALE PROFILE V: 1" = 200'</p>
<p>PREPARED BY</p>		<p>CLIENT APPROVAL</p>
<p>SCALE: 1" = 200'</p>		<p>REVISION: 5</p>

SPIRE STL PIPELINE PROJECT
 ALIGNMENT SHEET
 PROPOSED 24-INCH NORTH COUNTY EXTENSION
 ST. LOUIS COUNTY, MISSOURI
 STA. 283+50 TO STA. 318+19