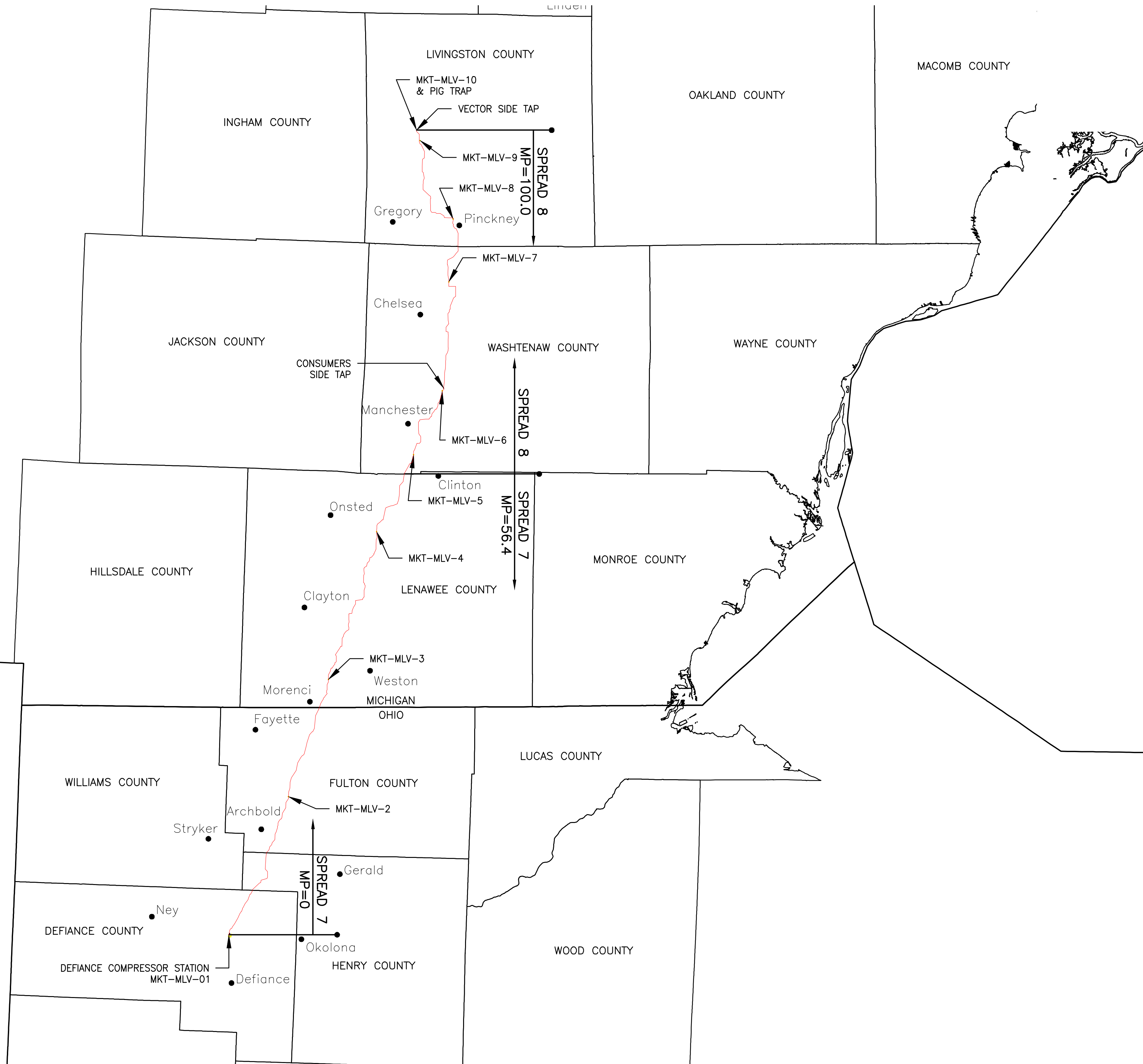


ROVER PIPELINE PROJECT

PROPOSED 42" O.D. MARKET SEGMENT - NG PIPELINE

DEFIANCE COUNTY, OHIO TO LIVINGSTON, MICHIGAN

CONSTRUCTION SPREADS 7-8



DWG. NO.	REFERENCE DRAWING TITLE	NO.	A FERC FILING	NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D	DWG. STATUS	CHECKED	APPROVED	P.L./STA. NO.	ROVER PIPELINE An ENERGY TRANSFER Company	PROJECT NO. 585000000005
										PREL'Y	BY	DATE	BY		
										BID			DESIGN		PREVIOUS DWG. NO.
										CONSTR.			DRAWN		SHEET 1 OF 1
										CADDS			ASBUILT		DWG. NO.
													FILE NO.		MK-P0-0
													SCALE:		SHEET 1 OF 1

GENERAL DRAWINGS

ALIGNMENT (CONTINUED)

DRAWING NUMBER	DRAWING TITLE	REVISION
MK-P0-0	COVER SHEET	A
MK-P1-0	DRAWING INDEX	A
P2-10	NOTES AND LEGEND	A
42-1 PLOT PLAN A 42" MAINLINE VALVE TYPICAL PLOT PLAN		F

DRAWING NUMBER	DRAWING TITLE	REVISION
MK-P3-8017	ALIGNMENT - MP 71.4 TO MP 72.4	A
MK-P3-8018	ALIGNMENT - MP 72.4 TO MP 73.4	A
MK-P3-8019	ALIGNMENT - MP 73.4 TO MP 74.4	A
MK-P3-8020	ALIGNMENT - MP 74.4 TO MP 75.2	A
MK-P3-8021	ALIGNMENT - MP 75.2 TO MP 76.2	A
MK-P3-8022	ALIGNMENT - MP 76.2 TO MP 77.2	A
MK-P3-8023	ALIGNMENT - MP 77.2 TO MP 78.3	A
MK-P3-8024	ALIGNMENT - MP 78.3 TO MP 79.1	A
MK-P3-8025	ALIGNMENT - MP 79.1 TO MP 80.1	A
MK-P3-8026	ALIGNMENT - MP 80.1 TO MP 81.1	A
MK-P3-8027	ALIGNMENT - MP 81.1 TO MP 82.1	A
MK-P3-8028	ALIGNMENT - MP 82.1 TO MP 82.8	A
MK-P3-8029	ALIGNMENT - MP 82.8 TO MP 83.8	A
MK-P3-8030	ALIGNMENT - MP 83.8 TO MP 84.7	A
MK-P3-8031	ALIGNMENT - MP 84.7 TO MP 85.7	A
MK-P3-8032	ALIGNMENT - MP 85.7 TO MP 86.6	A
MK-P3-8033	ALIGNMENT - MP 86.6 TO MP 87.4	A
MK-P3-8034	ALIGNMENT - MP 87.4 TO MP 88.0	A
MK-P3-8035	ALIGNMENT - MP 88.0 TO MP 88.9	A
MK-P3-8036	ALIGNMENT - MP 88.9 TO MP 89.7	A
MK-P3-8037	ALIGNMENT - MP 89.7 TO MP 90.6	A
MK-P3-8038	ALIGNMENT - MP 90.6 TO MP 91.7	A
MK-P3-8039	ALIGNMENT - MP 91.7 TO MP 92.4	A
MK-P3-8040	ALIGNMENT - MP 92.4 TO MP 93.4	A
MK-P3-8041	ALIGNMENT - MP 93.4 TO MP 94.5	A
MK-P3-8042	ALIGNMENT - MP 94.5 TO MP 95.5	A
MK-P3-8043	ALIGNMENT - MP 95.5 TO MP 96.5	A
MK-P3-8044	ALIGNMENT - MP 96.5 TO MP 97.4	A
MK-P3-8045	ALIGNMENT - MP 97.4 TO MP 98.3	A
MK-P3-8046	ALIGNMENT - MP 98.3 TO MP 99.3	A
MK-P3-8047	ALIGNMENT - MP 99.3 TO MP 100.0	A

ALIGNMENT

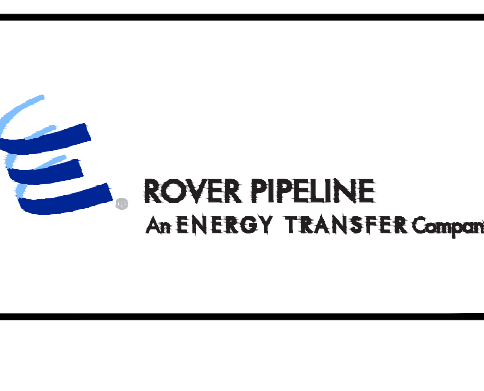
DRAWING NUMBER	DRAWING TITLE	REVISION
SPREAD 7		
MK-P3-7001	ALIGNMENT - MP 0.0 TO MP 1.0	A
MK-P3-7002	ALIGNMENT - MP 1.0 TO MP 2.0	A
MK-P3-7003	ALIGNMENT - MP 2.0 TO MP 3.1	A
MK-P3-7004	ALIGNMENT - MP 3.1 TO MP 4.1	A
MK-P3-7005	ALIGNMENT - MP 4.1 TO MP 5.1	A
MK-P3-7006	ALIGNMENT - MP 5.1 TO MP 6.1	A
MK-P3-7007	ALIGNMENT - MP 6.1 TO MP 7.2	A
MK-P3-7008	ALIGNMENT - MP 7.2 TO MP 7.9	A
MK-P3-7009	ALIGNMENT - MP 7.9 TO MP 8.9	A
MK-P3-7010	ALIGNMENT - MP 8.9 TO MP 9.9	A
MK-P3-7011	ALIGNMENT - MP 9.9 TO MP 11.0	A
MK-P3-7012	ALIGNMENT - MP 11.0 TO MP 12.0	A
MK-P3-7013	ALIGNMENT - MP 12.0 TO MP 13.0	A
MK-P3-7014	ALIGNMENT - MP 13.0 TO MP 14.0	A
MK-P3-7015	ALIGNMENT - MP 14.0 TO MP 15.1	A
MK-P3-7016	ALIGNMENT - MP 15.1 TO MP 16.1	A
MK-P3-7017	ALIGNMENT - MP 16.1 TO MP 17.1	A
MK-P3-7018	ALIGNMENT - MP 17.1 TO MP 18.1	A
MK-P3-7019	ALIGNMENT - MP 18.1 TO MP 19.1	A
MK-P3-7020	ALIGNMENT - MP 19.1 TO MP 20.1	A
MK-P3-7021	ALIGNMENT - MP 20.1 TO MP 21.1	A
MK-P3-7022	ALIGNMENT - MP 21.1 TO MP 22.2	A
MK-P3-7023	ALIGNMENT - MP 22.2 TO MP 23.2	A
MK-P3-7024	ALIGNMENT - MP 23.2 TO MP 24.2	A
MK-P3-7025	ALIGNMENT - MP 24.2 TO MP 25.2	A
MK-P3-7026	ALIGNMENT - MP 25.2 TO MP 26.3	A
MK-P3-7027	ALIGNMENT - MP 26.3 TO MP 27.3	A
MK-P3-7028	ALIGNMENT - MP 27.3 TO MP 28.3	A
MK-P3-7029	ALIGNMENT - MP 28.3 TO MP 29.3	A
MK-P3-7030	ALIGNMENT - MP 29.3 TO MP 30.3	A
MK-P3-7031	ALIGNMENT - MP 30.3 TO MP 31.3	A
MK-P3-7032	ALIGNMENT - MP 31.3 TO MP 32.4	A
MK-P3-7033	ALIGNMENT - MP 32.4 TO MP 33.4	A
MK-P3-7034	ALIGNMENT - MP 33.4 TO MP 34.4	A
MK-P3-7035	ALIGNMENT - MP 34.4 TO MP 35.2	A
MK-P3-7036	ALIGNMENT - MP 35.2 TO MP 36.2	A
MK-P3-7037	ALIGNMENT - MP 36.2 TO MP 37.0	A
MK-P3-7038	ALIGNMENT - MP 37.0 TO MP 38.1	A
MK-P3-7039	ALIGNMENT - MP 38.1 TO MP 38.8	A
MK-P3-7040	ALIGNMENT - MP 38.8 TO MP 39.7	A
MK-P3-7041	ALIGNMENT - MP 39.7 TO MP 40.4	A
MK-P3-7042	ALIGNMENT - MP 40.4 TO MP 41.2	A
MK-P3-7043	ALIGNMENT - MP 41.2 TO MP 42.2	A
MK-P3-7044	ALIGNMENT - MP 42.2 TO MP 43.2	A
MK-P3-7045	ALIGNMENT - MP 43.2 TO MP 44.3	A
MK-P3-7046	ALIGNMENT - MP 44.3 TO MP 45.3	A
MK-P3-7047	ALIGNMENT - MP 45.3 TO MP 46.3	A
MK-P3-7048	ALIGNMENT - MP 46.3 TO MP 47.3	A
MK-P3-7049	ALIGNMENT - MP 47.3 TO MP 48.4	A
MK-P3-7050	ALIGNMENT - MP 48.4 TO MP 49.4	A
MK-P3-7051	ALIGNMENT - MP 49.4 TO MP 50.3	A
MK-P3-7052	ALIGNMENT - MP 50.3 TO MP 51.3	A
MK-P3-7053	ALIGNMENT - MP 51.3 TO MP 52.2	A
MK-P3-7054	ALIGNMENT - MP 52.2 TO MP 53.1	A
MK-P3-7055	ALIGNMENT - MP 53.1 TO MP 54.1	A
MK-P3-7056	ALIGNMENT - MP 54.1 TO MP 55.0	A
MK-P3-7057	ALIGNMENT - MP 55.0 TO MP 55.6	A
MK-P3-7058	ALIGNMENT - MP 55.6 TO MP 56.4	A
SPREAD 8		
MK-P3-8001	ALIGNMENT - MP 56.4 TO MP 57.5	A
MK-P3-8002	ALIGNMENT - MP 57.5 TO MP 58.2	A
MK-P3-8003	ALIGNMENT - MP 58.2 TO MP 59.2	A
MK-P3-8004	ALIGNMENT - MP 59.2 TO MP 60.1	A
MK-P3-8005	ALIGNMENT - MP 60.1 TO MP 60.7	A
MK-P3-8006	ALIGNMENT - MP 60.7 TO MP 61.7	A
MK-P3-8007	ALIGNMENT - MP 61.7 TO MP 62.7	A
MK-P3-8008	ALIGNMENT - MP 62.7 TO MP 63.2	A
MK-P3-8009	ALIGNMENT - MP 63.2 TO MP 64.2	A
MK-P3-8010	ALIGNMENT - MP 64.2 TO MP 65.3	A
MK-P3-8011	ALIGNMENT - MP 65.3 TO MP 66.3	A
MK-P3-8012	ALIGNMENT - MP 66.3 TO MP 67.3	A
MK-P3-8013	ALIGNMENT - MP 67.3 TO MP 68.3	A
MK-P3-8014	ALIGNMENT - MP 68.3 TO MP 69.4	A
MK-P3-8015	ALIGNMENT - MP 69.4 TO MP 70.4	A
MK-P3-8016	ALIGNMENT - MP 70.4 TO MP 71.4	A

HORIZONTAL DIRECTIONAL DRILLS

DRAWING NUMBER	DRAWING TITLE	REVISION
SPREAD 8		
MK-P4-21	HDD - HUDSON LAKE (MP 56.6)	C
MK-P4-22	HDD - STATE ROAD 52 (MP 62.5)	C
MK-P4-23	HDD - TIPLADY ROAD (MP 84.4)	C
MK-P4-24	HDD - CR D32 (MP 85.4)	C
MK-P4-25	HDD - DELAPP LANE (MP 86.3)	C
MK-P4-27	HDD - LAKE AT VINES ROAD (MP 94.9)	C
MK-P4-28	HDD - SWAMP NEAR JEWELL RD (MP 96.9)	B

DWG. NO.	REFERENCE DRAWING TITLE	NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
		A	FERC FILING	JRM	1-15-15	JHR	JHR

DWG. STATUS	CHECKED		APPROVED			P.L./STA. NO. ACCOUNT NO.	CONSTRUCTION YEAR
	BY	DATE	BY	DATE	BY		
PREL'Y							
BID							
CONSTR.							
CADDS							



PROJECT NO. 585000000005

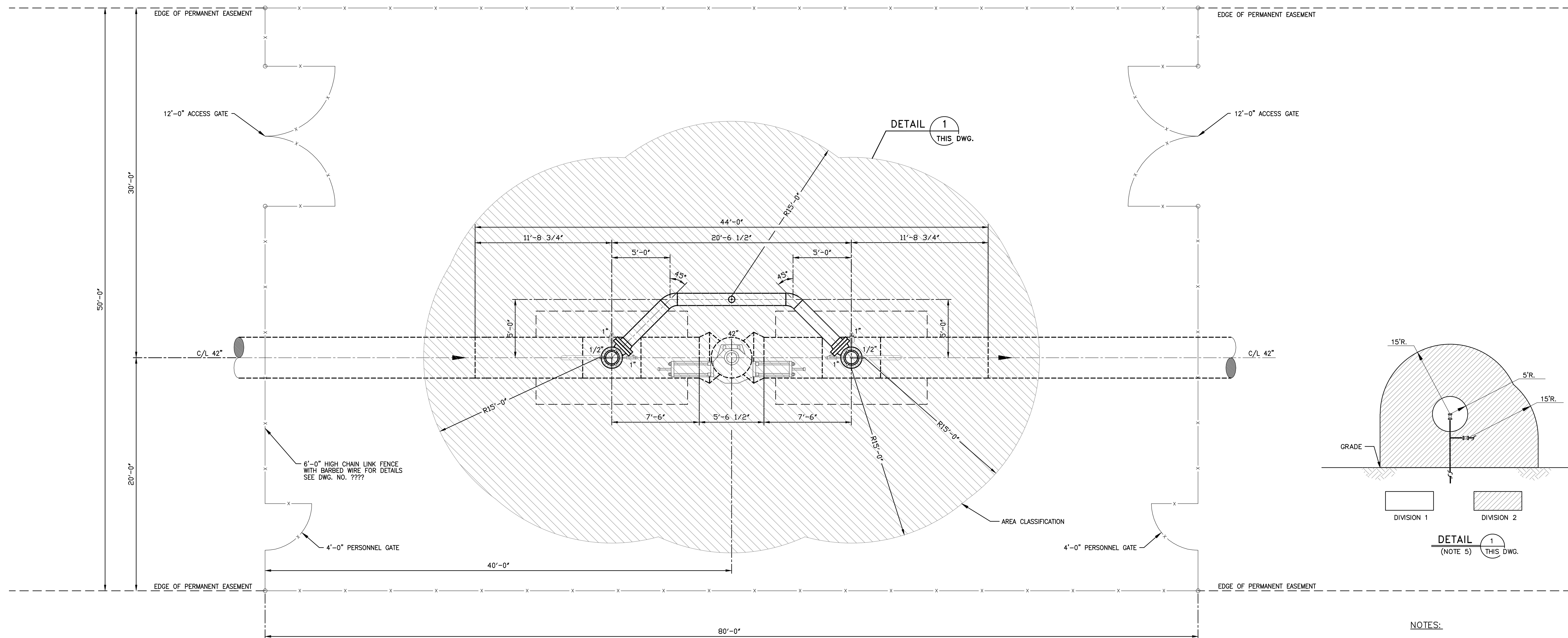
PREVIOUS DWG. NO.

SHEET 1 OF 1

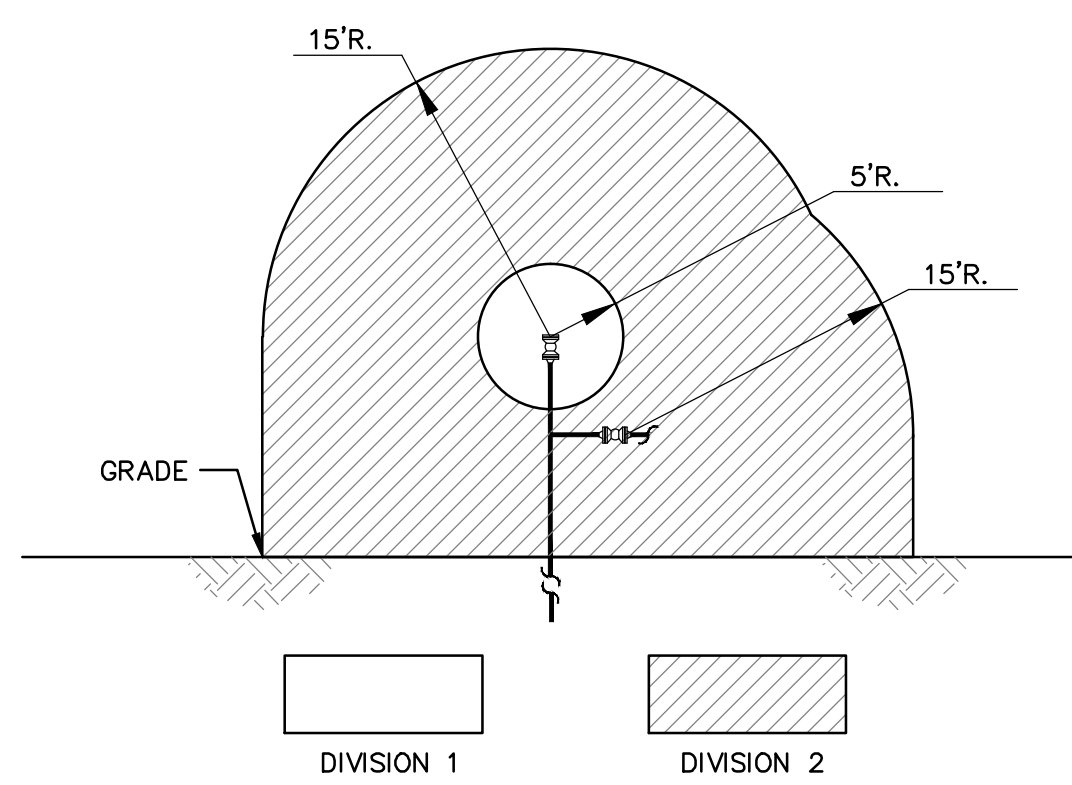
DWG. NO. MK-P1-0

SHEET 1 OF 1

ROVER PIPELINE PROJECT
42" MARKET SEGMENT - NG PIPELINE
DRAWING INDEX
MP 0.0 TO MP 100.0
DEFIANCE, OHIO TO ST. CLAIR, MICHIGAN



PLOT PLAN
SCALE 1/4"=1'-0"



DETAIL 1
(NOTE 5) THIS DWG.

- NOTES:**
1. MAOP = 1440 PSIG
 2. DESIGN FACTOR = 0.5
 3. DESIGN TEMPERATURE = -34° F TO 120° F
 4. DESIGN CODE = ANSI/ASME B31.8
 5. AREA CLASSIFICATION DETERMINED USING AGA CATALOG # XL1001 FIG. 13 FOR NATURAL GAS.

DWG. NO.	REFERENCE DRAWING TITLE	NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D	DWG. STATUS	CHECKED			APPROVED			P.L./STA. NO. ACCOUNT NO.		
									BY	DATE	BY	DATE	BY	DATE	CONSTRUCTION YEAR	BY	DATE
		F	FERC FILING	AEN	1-15-15	CRF	JHR	PREL'Y									2016
		E	ISSUED FOR PROJECT USE	GJB	12-08-14	CRF	JHR	BID									
		D	PRELIMINARY, FOR REVIEW	GJB	11-25-14	CRF	JHR	CONSTR.									
		C	PRELIMINARY, FOR REVIEW	GJB	11-21-14	CRF	JHR	CADDS									
		B	FERC DRAFT FILING	DJD	11-5-14	CRF	JHR										
		A	PRELIMINARY, FOR REVIEW	DJD	10-20-14	CRF	JHR										



ROVER PIPELINE PROJECT
42" MAIN LINE VALVE
MARKET ROUTE
TYPICAL PLOT PLAN
COUNTY, STATE

PROJECT NO.
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO.
42-1 PLOT PLAN A/F
SHEET 1 OF 1

01-15-15 13:21 14:38 12 ADM