

REMOVAL OF IMPROVEMENTS								
ROUTE	LOG MILE	-	LOG MILE	LOCATION	DESCRIPTION	UNITS	TOTAL	REMARKS
160	24.294			LT	ISLAND	EA	1	ISLAND ON RTE A, REMOVE & REPLACE
160	36.763			RT	ISLAND	EA	1	ISLAND ON RTE 126, REMOVE & REPLACE
160	44.578	-	44.578	LT & RT	HEADWALL	EA	2	
160	44.59	-	44.59	LT & RT	36" FES	EA	2	
160	46.261	-	46.261	LT & RT	HEADWALL	EA	2	
160	46.395	-	46.395	LT & RT	HEADWALL	EA	2	
160	47.278	-	47.278	LT & RT	HEADWALL	EA	2	
160	48.367	-	48.367	LT & RT	HEADWALL	EA	2	
160	48.534	-	48.534	LT & RT	HEADWALL	EA	2	
160	48.691	-	48.691	LT & RT	HEADWALL	EA	2	
160	49.1	-	49.1	LT & RT	HEADWALL	EA	2	
160	49.315	-	49.315	LT & RT	HEADWALL	EA	2	
160	49.378	-	49.378	LT & RT	HEADWALL	EA	2	
160	49.605	-	49.605	LT & RT	HEADWALL	EA	2	
160	24.147	-	24.271	LT & RT	GUARDRAIL	LF	500	BRIDGE A4264
160	36.827	-	36.933	LT & RT	GUARDRAIL	LF	500	BRIDGE A4821
160	36.967	-	37.073	LT & RT	GUARDRAIL	LF	500	BRIDGE A4822
160	45.479	-	45.560	LT & RT	GUARDRAIL	LF	500	BRIDGE A2541
TOTAL						1 LUMP SUM		↑

GRAVEL (A) OR CRUSHED STONE (B)
228 TONS

MOBILIZATION
1 LUMP SUM

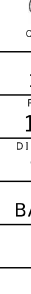
1 REVISED

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

MODIFIED COLDMILLING (DEPTH TRANSITIONS)							
ROUTE	LOG MILE	TO	LOG MILE	NET LENGTH	AVERAGE WIDTH	AREA	REMARKS
				LF	LF	SY	
160	21.046	-	21.079	175.0	24.0	466.7	BEGIN PROJECT
160	24.147	-	24.180	175.0	40.0	777.8	BRIDGE A4264 EXCEPTION
160	24.238	-	24.271	175.0	40.0	777.8	BRIDGE A4264 EXCEPTION
160	33.393	-	33.420	140.0	21.0	326.7	BRIDGE H0901
160	33.470	-	33.497	140.0	21.0	326.7	BRIDGE H0901
160	35.671	-	35.704	175.0	24.0	466.7	RR XING
160	35.706	-	35.739	175.0	24.0	466.7	RR XING
160	36.827	-	36.860	175.0	28.0	544.4	BRIDGE A4821 EXCEPTION
160	36.900	-	36.933	175.0	28.0	544.4	BRIDGE A4821 EXCEPTION
160	36.967	-	37.000	175.0	28.0	544.4	BRIDGE A4822 EXCEPTION
160	37.040	-	37.073	175.0	28.0	544.4	BRIDGE A4822 EXCEPTION
160	38.407	-	38.440	175.0	22.0	427.8	BRIDGE J0064
160	38.560	-	38.593	175.0	24.0	466.7	RR XING
160	42.921	-	42.954	175.0	24.0	466.7	CONCRETE PVMT EXCEPTION
160	43.294	-	43.327	175.0	24.0	466.7	CONCRETE PVMT EXCEPTION
160	43.507	-	43.540	175.0	24.0	466.7	
160	44.183	-	44.216	175.0	24.0	466.7	
160	44.605	-	44.638	175.0	24.0	466.7	CONCRETE PVMT EXCEPTION
160	46.281	-	46.314	175.0	24.0	466.7	CONCRETE PVMT EXCEPTION
160	49.795	-	49.828	175.0	24.0	466.7	CONCRETE PVMT EXCEPTION
T	0.067	-	0.076	50.0	24.0	133.3	
A	11.108	-	11.117	50.0	26.0	144.4	
U	6.430	-	6.439	50.0	22.0	122.2	
126	29.189	-	29.198	50.0	30.0	166.7	
TOTAL						10514.7	
USE						10515	

BITUMINOUS PAVEMENT									
ROUTE	LOG MILE	TO	LOG MILE	NET LENGTH	AVERAGE WIDTH	APPROACH AREA	PAVEMENT 1.75" BP-2	TACK	REMARKS
				LF	LF	SF	TONS	GAL	
160	21.046	-	23.999	15591.8	24.0		3971.6	3326.3	
160	23.999	-	24.180	955.7	40.0		413.8	339.8	*
160	24.238	-	24.577	1789.9	40.0		775.1	636.4	*
160	24.577	-	33.420	46691.0	24.0		11893.2	9960.7	
160	33.470	-	35.704	11795.5	24.0		3004.6	2516.4	
160	35.706	-	35.774	359.0	24.0		91.4	76.6	
160	35.774	-	36.722	5005.4	24.0		1300.5	1067.8	*
160	36.722	-	36.860	728.6	28.0		220.9	181.3	*
160	36.900	-	37.000	528.0	28.0		160.0	131.4	*
160	37.040	-	37.116	401.3	28.0		121.6	99.9	*
160	37.116	-	38.407	6816.5	24.0		1736.3	1454.2	
160	38.407	-	38.440	174.2	22.0		40.7	34.1	WIDTH TRANSITION 24' TO 20'
160	38.440	-	38.500	316.8	20.0		67.2	56.3	
160	38.500	-	38.524	126.7	22.0		29.6	24.8	WIDTH TRANSITION 20' TO 24'
160	38.524	-	38.558	179.5	24.0		45.7	38.3	
160	38.560	-	42.954	23200.3	24.0		5909.6	4949.4	
160	43.294	-	43.496	1066.6	24.0		271.7	227.5	
160	43.496	-	43.540	232.3	24.0		60.4	49.6	*
160	43.540	-	43.937	2096.2	24.0		533.9	447.2	
160	43.937	-	44.017	422.4	24.0		107.6	90.1	
160	44.017	-	44.183	876.5	24.0		223.3	187.0	
160	44.183	-	44.592	2159.5	24.0		561.1	460.7	*
160	44.592	-	44.638	242.9	24.0		61.9	51.8	
160	46.281	-	49.828	18728.2	24.0		4770.5	3995.3	
T	0.005	-	0.067	327.4		13386.0	142.1	119.0	
A	11.117	-	11.141	126.7		4737.0	50.3	42.1	
HH	2.975	-	2.976	5.3		2734.5	29.0	24.3	
E	0.023	-	0.053	158.4		3505.5	37.2	31.2	
F	0.100	-	0.127	142.6		5907.0	62.7	52.5	
VV	0.006	-	0.025	100.3		3500.5	37.2	31.1	
U	6.439	-	6.452	68.6		4057.0	43.1	36.1	
126	29.198	-	29.222	126.7		10221.0	108.5	90.9	
D	13.230	-	13.247	89.8		3729.0	39.6	33.1	
N	0.004	-	0.020	84.5		3697.5	39.2	32.9	
ENTRANCES AND IRREGULARITIES									
160	21.046	-	49.828	141523.0			2010.3		IRREGULARITIES 75 TONS/MILE (CONCRETE PORTIONS EXCEPTED)
160	29.462	-	35.704	32957.76			468.2		ADDITIONAL IRREGULARITIES 75 TONS/MILE
160						300000	3184.0	2666.7	ENTRANCES AND MAILBOXES
TOTALS							42623.6	33562.8	* SAFETY EDGE INCLUDED IN QUANTITY
USE							SEE BP-2 TABLE	SEE TACK TABLE	
NOTE: ANY AND ALL IRREGULARITIES MAY BE UNDERRUN AND NO ADJUSTMENT TO ANY UNIT BID COST WILL BE MADE.									

SUMMARY OF QUANTITIES
SHEET 1 OF 6

	
DATE PREPARED 10/21/2024	
ROUTE 160	STATE MO
DISTRICT SW	SHEET NO. 3
COUNTY BARTON, DADE	
JOB NO. JSR0042	
CONTRACT I.D.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	REVISED

SIDEWALK PIPES										
LOG	LOCATION	15" GR C PIPE	18" GR C PIPE	24" GR C PIPE	15" GR C FES	18" GR C FES	24" GR C FES	CLASS 3	ROCK	REMARKS
		PIPE	PIPE	PIPE	FES	FES	FES	EXCAVATION	LINING	
		LF	LF	LF	EA	EA	EA	CY	CY	
36.28	LT			19.0			2	6.9	3.0	CHURCH AVE NE
36.28	RT		13.0			2		1.5	2.0	CHURCH AVE SE
36.34	LT		19.0			2		1.5	2.0	MILL ST NE
36.34	RT	16.0			2			1.4	2.0	MILL ST SE
36.4	LT	9.0			2			1.4	2.0	DEPOT AVE NW
36.4	RT	14.0			2			1.4	2.0	DEPOT AVE SW
SUBTOTAL		39.0	32.0	19.0	6	4	2	14.1	13.0	
USE		39	32	19	6	4	2	SEE CULVERT TABLE	SEE CULVERT TABLE	

PIPE EXTENSIONS									
STA	SHEET	30" GR A PIPE	30" GR A FES	34"X53" HE	34"X53" HE	PIPE COLLAR	CLASS 3	ROCK	REMARKS
		PIPE	FES	PIPE	TAPERED END SECTION	TYPE A	EXCAVATION	LINING	
		LF	EA	LF	EA	EA	CY	CY	
394+94.06	5			5.8	2	2	12.0	9.0	
536+87.00	8	3.7	2			2	3.0	4.0	
611+53.24	11	7.4	2			2	7.0	4.0	
633+58.04	12	11.4	2			2	2.0	4.0	
SUBTOTAL		22.5	6	5.8	2	8	24.0	21.0	
FROM SIDEWALK PIPES TABLE							14.1	13.0	
FROM BOX EXTENSIONS TABLE								186.0	
TOTAL		22.5	6	5.8	2	8	38.1	220.0	
USE		23	6	6	2	8	39	220	

LINEAR GRADING						
LOG (STA)	LOG (STA)	LENGTH	LINEAR GRADING CLASS 2 FOR SHOULDERS	MODIFIED LINEAR GRADING CLASS 2	SEEDING	MULCHING
		LF	100 FT	100 FT	ACRE	ACRE
21.046	23.999	15591.84	311.8			
24.577	29.508	26035.68	520.7			
29.508	33.269	19858.08	397.2			
33.269	33.420	797.28	15.9			
33.470	35.704	11795.52	235.9			
35.706	35.774	359.04	7.2			
37.116	38.440	6990.72	139.8			
38.500	38.558	306.24	6.1			
38.560	42.954	23200.32	464.0			
43.294	43.496	1066.56	21.3			
393+30.00	396+04.80	274.80		5.5	0.32	0.32
44.609	44.638	153.12	3.1			
485+29.14	486+29.14	100.00		2.0	0.11	0.11
46.277	46.379	538.56	10.8			
489+30.00	491+15.00	185.00		3.7	0.21	0.21
46.414	47.265	4493.28	89.9			
536+05.00	537+70.00	165.00		3.3	0.19	0.19
47.296	48.347	5549.28	111.0			
593+45.00	595+35.00	190.00		3.8	0.22	0.22
48.383	48.513	686.4	13.7			
602+25.00	604+05.00	180.00		3.6	0.21	0.21
48.547	48.679	696.96	13.9			
610+70.00	612+40.00	170.00		3.4	0.20	0.20
48.711	49.102	2064.48	41.3			
632+65.00	634+50.00	185.00		3.7	0.21	0.21
49.137	49.301	865.92	17.3			
643+50.00	645+50.00	200.00		4.0	0.23	0.23
49.339	49.360	110.88	2.2			
646+75.00	648+60.00	185.00		3.7	0.21	0.21
49.395	49.589	1024.32	20.5			
658+75.00	660+70.00	195.00		3.9	0.22	0.22
49.626	49.828	1066.56	21.3			
TOTAL			2464.9	40.6	2.33	2.33
USE			2465	41	2.4	2.4

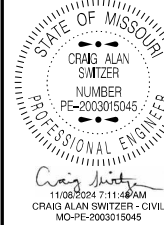
BOX EXTENSIONS									
STA	SHEET	FILL HEIGHT FT	END SECTION STANDARD PLAN		CLASS B-1 CONCRETE	REINFORCING STEEL	CLASS 4 EXCAVATION	ROCK LINING	REMARKS
			LT	RT	CY	LBS	CY	CY	
394+34.96	4	2.3	703.11	703.10	5.50	1080	6.0	28.0	5'X3' RCB
485+79.14	6	1.4	703.10	703.10	2.80	560	4.0	9.0	3'X2' RCB
490+23.57	7	2.3	703.15	703.14	6.60	1330	4.0	28.0	5'X3' RCB
594+41.44	9	4.2	703.15	703.14	16.40	2680	7.0	28.0	5'X3' RCB
603+14.36	10	2.5	703.13	703.12	6.10	1180	5.0	9.0	3'X2' RCB
644+57.33	13	1.0	703.15	703.14	4.30	840	7.0	28.0	6'X4' RCB
647+69.99	14	2.1	703.13	703.12	7.30	1490	12.0	28.0	5'X3' RCB
659+75.07	15	2.5	703.14	703.14	7.70	1500	2.0	28.0	6'X4' RCB
TOTAL					56.70	10660	47.0	186.0	
USE					56.7	10660	47	SEE PIPE EXTENSIONS	

TYPE 2 ROCK DITCH LINER						
STA	SHEET	LENGTH FT	WIDTH FT	TYPE 2 ROCK DITCH LINER		REMARKS
				FURNISHING	PLACING	
				CY	CY	
394+34.96	4	25	5	13.89	13.89	5'X3' RCB - PLACE AT INLET
394+94.06	5	25	2.8	11.41	11.41	34"X53" HE PIPE - PLACE AT INLET
485+79.14	6	25	3	5.56	5.56	3'X2' RCB - PLACE AT INLET
490+23.57	7	25	5	13.89	13.89	5'X3' RCB - PLACE AT INLET
536+87.00	8	25	2.5	5.79	5.79	30" PIPE - PLACE AT INLET
594+41.44	9	25	5	13.89	13.89	5'X3' RCB - PLACE AT INLET
603+14.36	10	25	3	5.56	5.56	3'X2' RCB - PLACE AT INLET
611+53.24	11	25	2.5	5.79	5.79	30" PIPE - PLACE AT INLET
633+58.04	12	25	2.5	5.79	5.79	30" PIPE - PLACE AT INLET
644+57.33	13	25	6	22.22	22.22	6'X4' RCB - PLACE AT INLET
647+69.99	14	25	5	13.89	13.89	5'X3' RCB - PLACE AT INLET
659+75.07	15	25	6	22.22	22.22	6'X4' RCB - PLACE AT INLET
TOTAL				139.9	139.9	
USE				140	140	

*NOTE: USE LINEAR GRADING CLASS 2 FOR SHOULDERS WHERE SHOULDER WIDENING OCCURS AND MODIFIED LINEAR GRADING CLASS 2 HAS NOT BEEN SPECIFIED.

1 ADDED

SUMMARY OF QUANTITIES
SHEET 3 OF 6



DATE PREPARED
11/7/2024

ROUTE
160

DISTRICT
SW

STATE
MO

SHEET NO.
3

COUNTY
BARTON, DADE

JOB NO.
JSR0042

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1 ADDED

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GUARDRAIL										
ROUTE	LOG MILE	LOG MILE	OFFSET	NET	MGS	MGS	TYPE A	MGS	SHAPING	
				LENGTH	BRIDGE APPR	GUARDRAIL	CRASHWORTHY	END ANCHOR	SLOPES	
				FT	TRANSITION		MASH		CLASS III	REMARKS
					EACH	LF	EACH	EACH	100 FT	
160	24.167	24.197	LT	112.5	1	25.0	1		1.1	BRIDGE A4264
160	24.167	24.197	RT	112.5	1	25.0	1		1.1	BRIDGE A4264
160	24.237	24.261	LT	137.5	1	50.0	1		1.4	BRIDGE A4264
160	24.237	24.261	RT	137.5	1	50.0	1		1.4	BRIDGE A4264
160	36.844	36.872	LT	137.5	1	50.0	1		1.4	BRIDGE A4821
160	36.844	36.872	RT	162.5	1	125.0		1	1.6	BRIDGE A4821, 30' RADIUS IN SW CORNER
160	36.905	36.931	LT	137.5	1	50.0	1		1.4	BRIDGE A4821
160	36.905	36.931	RT	137.5	1	50.0	1		1.4	BRIDGE A4821
160	36.985	37.018	LT	137.5	1	50.0	1		1.4	BRIDGE A4822
160	36.985	37.018	RT	137.5	1	50.0	1		1.4	BRIDGE A4822
160	37.038	37.059	LT	137.5	1	50.0	1		1.4	BRIDGE A4822
160	37.038	37.059	RT	137.5	1	50.0	1		1.4	BRIDGE A4822
160	45.476	45.567	LT	137.5	1	50.0	1		1.4	BRIDGE A2541
160	45.476	45.507	RT	137.5	1	50.0	1		1.4	BRIDGE A2541
160	45.528	45.556	LT	137.5	1	50.0	1		1.4	BRIDGE A2541
160	45.528	45.556	RT	137.5	1	50.0	1		1.4	BRIDGE A2541
TOTALS:					12	625.0	11	1	16.4	
USE:					12	625	11	1	17	

1 REVISED

1 REVISED



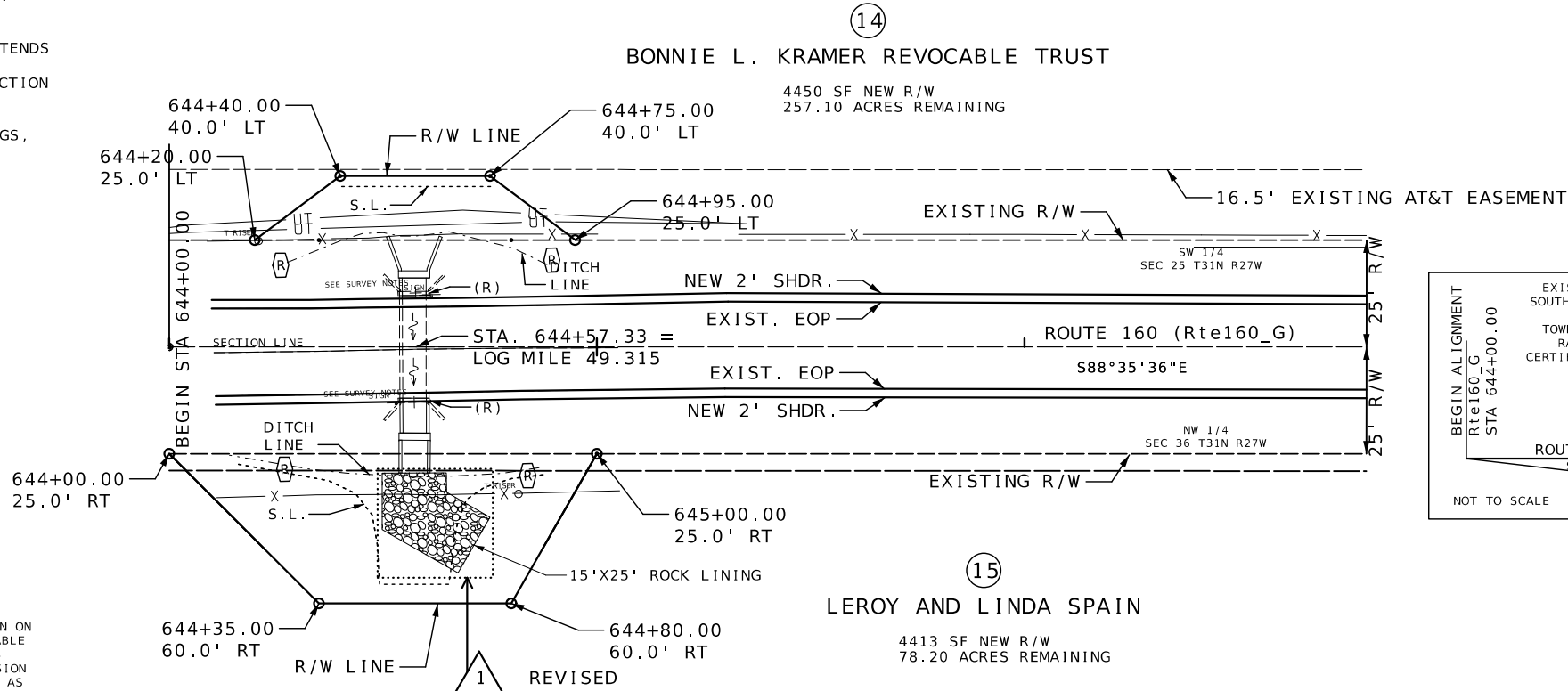
1 REVISED

RIGHT OF WAY LIMITS FOR THIS PROJECT
EXTEND FROM STATION 644+00.00 TO STATION
645+00.00 A DISTANCE OF 0.019 MILES.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS
BEYOND THE PROJECT LIMITS IS CONSIDERED
INCIDENTAL TO AND A PART OF THE CONSTRUCTION
OF THIS PROJECT.

ALL BEARINGS BASE ON STATE PLANE BEARINGS,
WESTERN ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON
THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE
TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS
PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION
EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS
TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE
INFORMATION FOR ANY USE.

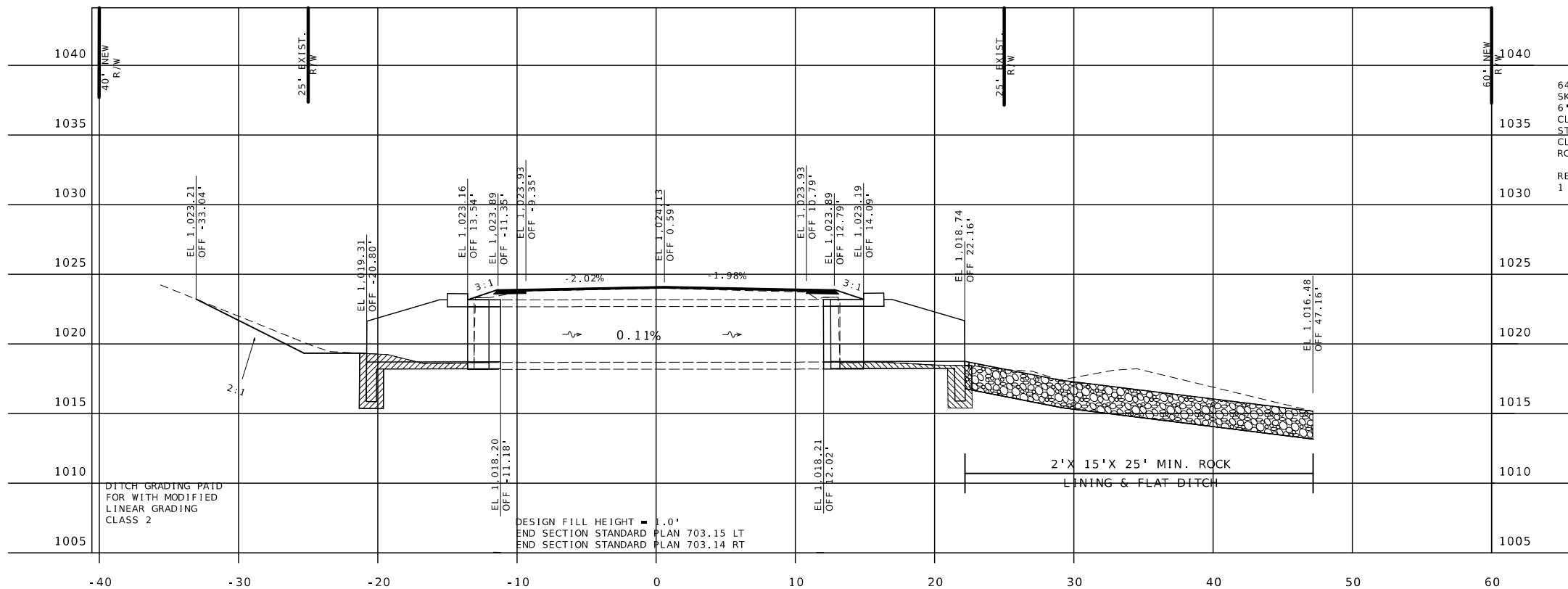


644+57.33 ROUTE 160 (160_G)
SKEW 00°08'01" RA
6' X 4' - 2.4' LT
CL B-1 CONC. = 2.0 CY
STEEL = 390 LBS
CLASS 4 EXCAVATION = 4 CY

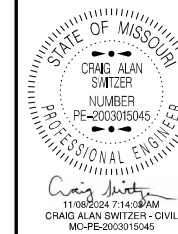
REMOVALS (R):
1 HEADWALL (LT)

644+57.33 ROUTE 160 (160_G)
SKEW 00°08'01" RA
6' X 4' - 2.9' RT
CL B-1 CONC. = 2.3 CY
STEEL = 450 LBS
CLASS 4 EXCAVATION = 3 CY
ROCK LINING = 28 CY

REMOVALS (R):
1 HEADWALL (RT)



STA 644+57.33
SKEW 00°08'01" RA



DATE PREPARED
11/7/2024

ROUTE 160 STATE MO

DISTRICT SW SHEET NO. 13

COUNTY BARTON, DADE

JOB NO. JSR0042

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

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