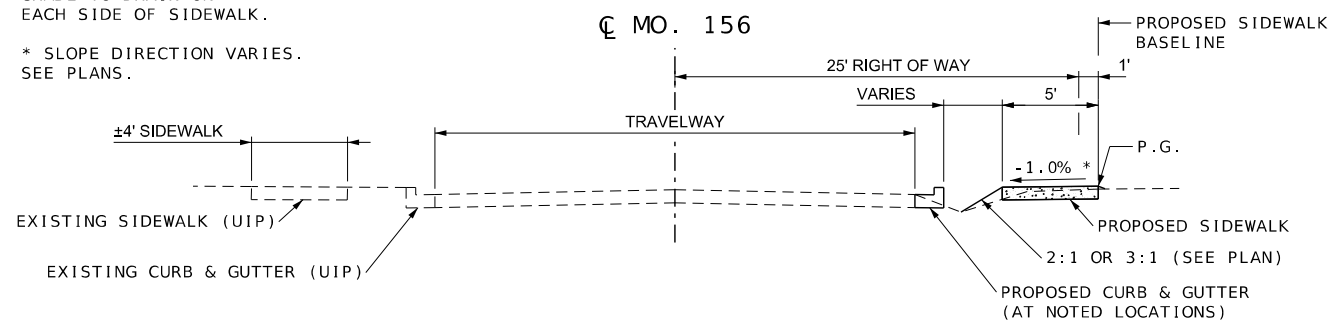


EXISTING SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

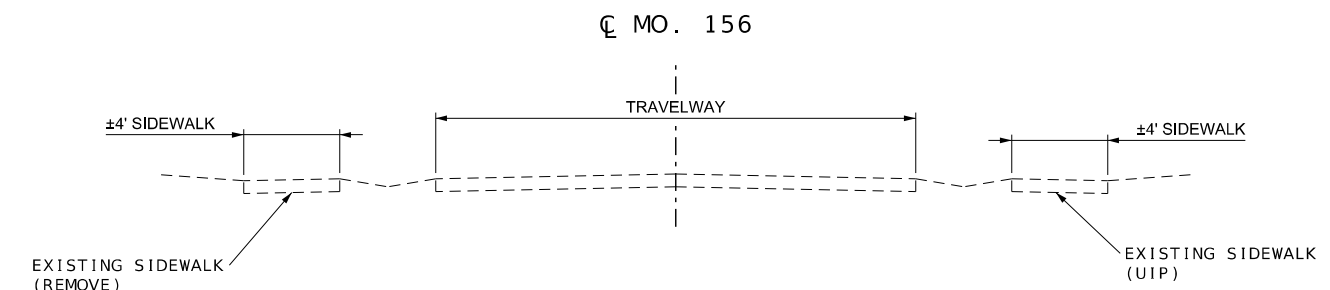
MO. 156: STA. 0+18.04 TO STA. 3+99.50

NOTE:
GRADE TO DRAIN ON
EACH SIDE OF SIDEWALK.
* SLOPE DIRECTION VARIES.
SEE PLANS.



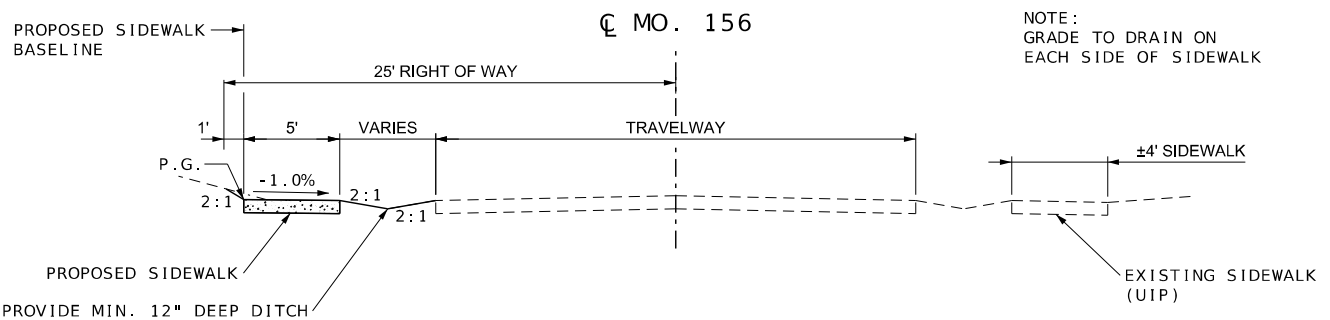
PROPOSED SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 0+18.04 TO STA. 3+99.50 (RT.)



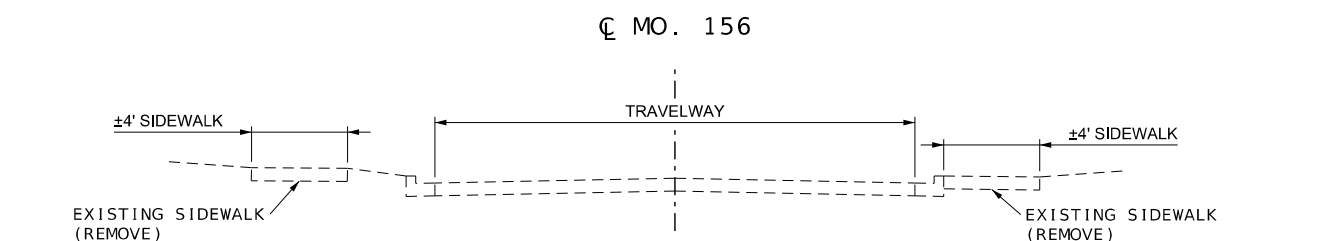
EXISTING SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 10+89.40 TO STA. 12+50.00



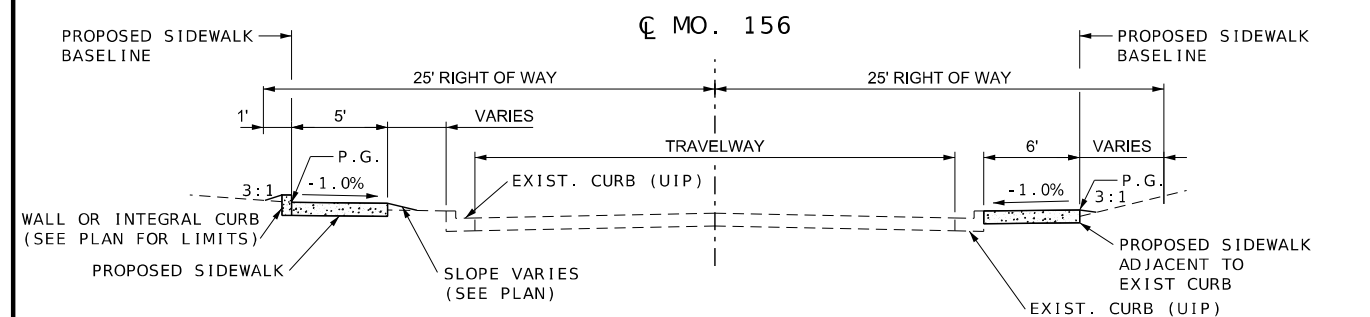
PROPOSED SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 10+89.40 TO STA. 12+50.00 (LT.)



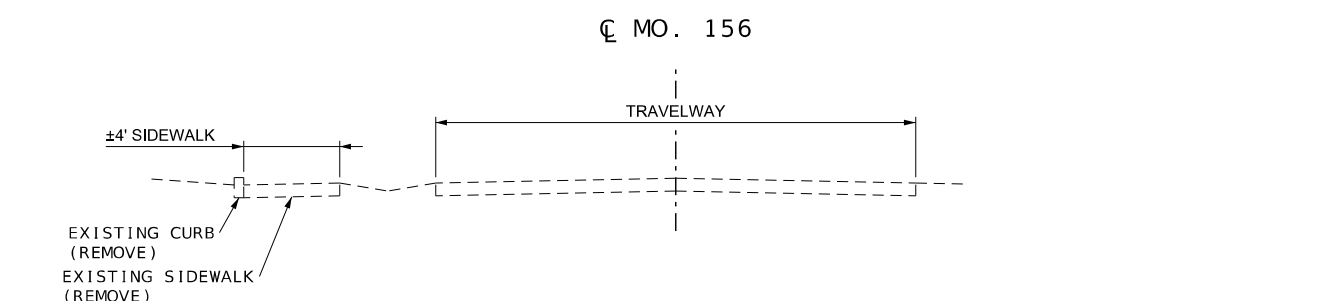
EXISTING SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 12+50.00 TO STA. 16+35.00



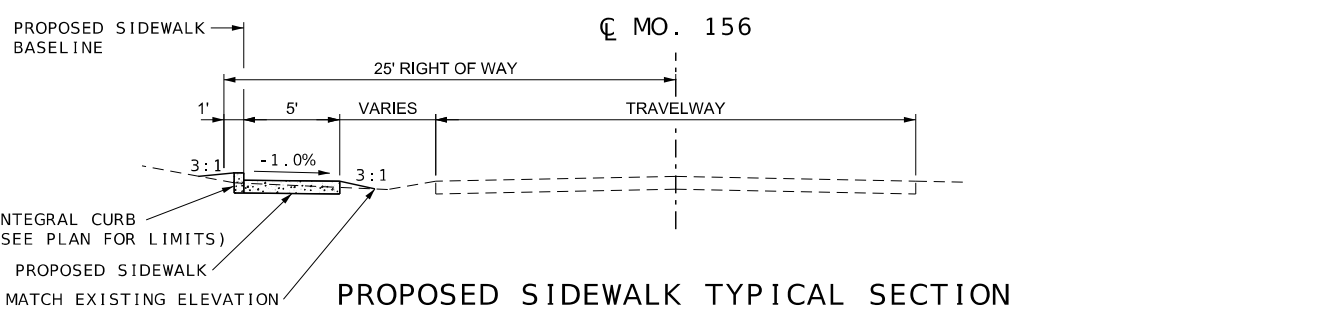
PROPOSED SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 12+50.00 TO STA. 16+35.00 (LT. & RT.)



EXISTING SIDEWALK TYPICAL SECTION (WEST OF BROWN ST.)

MO. 156: STA. 16+35.00 TO STA. 25+89.63



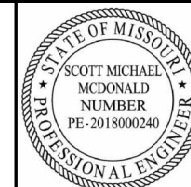
PROPOSED SIDEWALK TYPICAL SECTION
(WEST OF BROWN ST.)

MO. 156: STA. 16+35.00
TO STA. 25+89.63 (LT.)

CITY OF LA PLATA

TYPICAL SECTIONS
SHEET 1 OF 6

NOT TO SCALE: FOLLOW DIMENSIONS



THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE 156 STATE MO

DISTRICT NE SHEET NO. 2

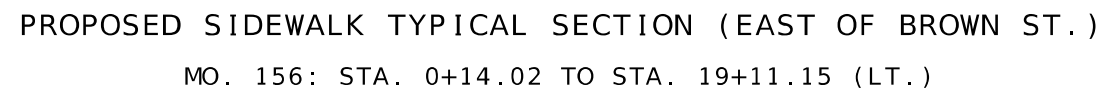
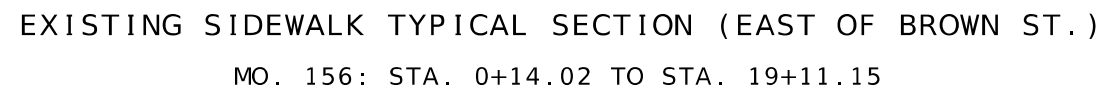
COUNTY
MACON

JOB NO.
JNE0147

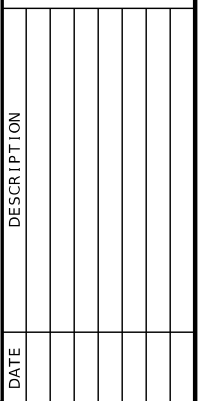
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



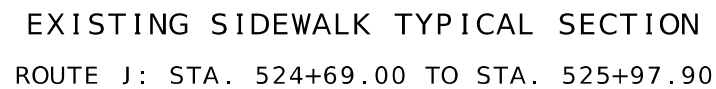
CITY OF LA PLATA
TYPICAL SECTIONS
SHEET 2 OF 6

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

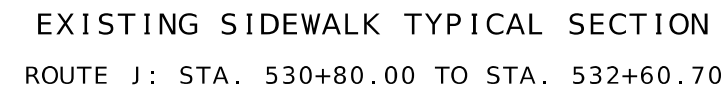
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ROUTE J: STA. 524+69.00 TO STA. 525+97.90 (LT.)
ROUTE J: CORNER SIDEWALK (S.W. OF STA. 530+66.00 LT.) TO WEEKS STREET



ROUTE J: STA. 530+80.00 TO STA. 532+60.70 (LT.)



ROUTE J: STA. 525+97.90 TO STA. 530+66.00 EXTENDED (CORNER SIDEWALK)



ROUTE J: STA. 525+97.90 TO CORNER SIDEWALK (S.W. OF STA. 530+66.00 (LT.))

NOTES:
GRADE TO DRAIN ON
EACH SIDE OF SIDEWALK.

* SIDEWALK X-SLOPE NEAR
SIDE ROADS MAY BE OPPOSITE
DIRECTION. SEE PLAN FOR
TRANSITION LOCATIONS.

PART OF SIDEWALK MAY HAVE
TYPE A INTEGRAL CURB. SEE
PLANS FOR LOCATIONS.

** WIDTH VARIES AT SIDEWALK
IN FRONT OF BAPTIST CHURCH.



ROUTE J: STA. 532+24.70 TO STA. 534+03.91

NOTES:
GRADE TO DRAIN ON
EACH SIDE OF SIDEWALK.

PART OF SOME SIDEWALK MAY HAVE
TYPE A INTEGRAL CURB. SEE PLANS
FOR LOCATIONS.

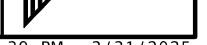


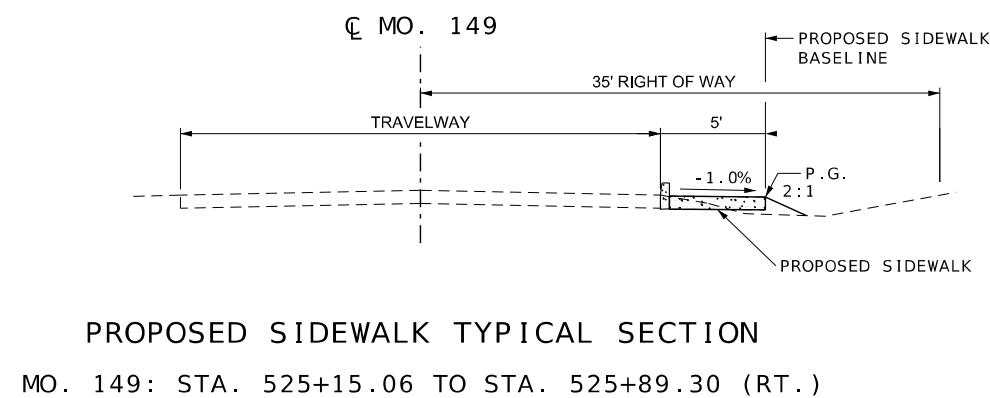
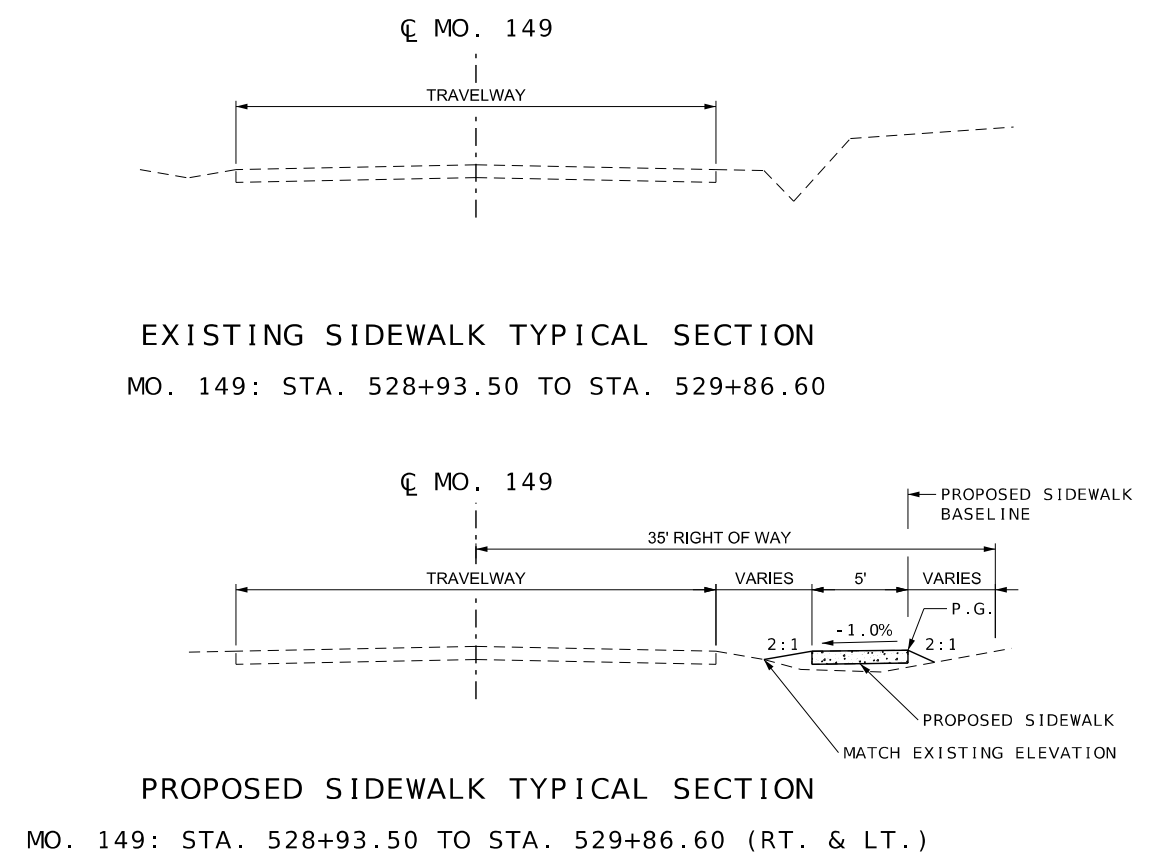
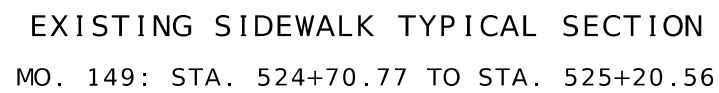
ROUTE J: STA. 532+24.70 TO STA. 534+03.91 (RT.)

CITY OF ELMER

TYPICAL SECTIONS
SHEET 3 OF 6

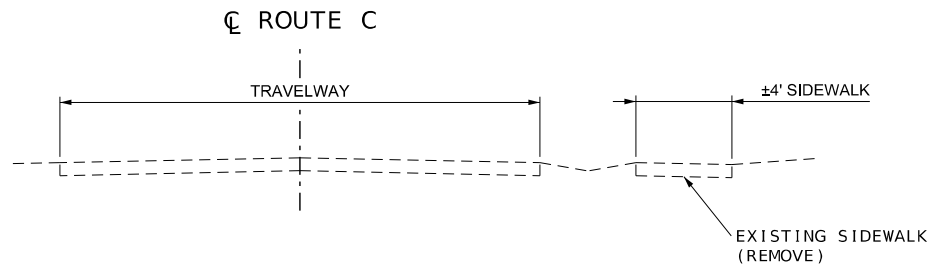
NOT TO SCALE: FOLLOW DIMENSIONS





CITY OF ETHEL
TYPICAL SECTIONS
SHEET 4 OF 6



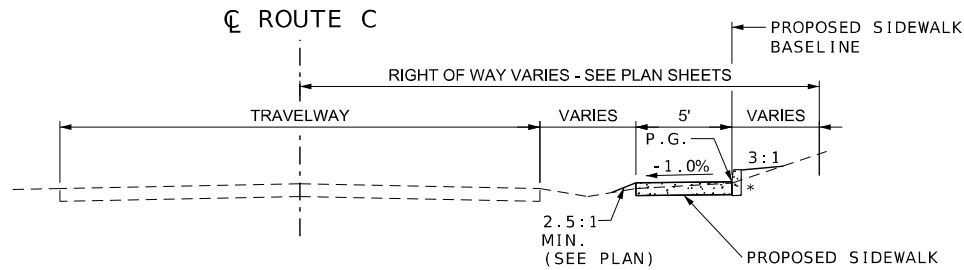


EXISTING SIDEWALK TYPICAL SECTION
ROUTE C: STA. 491+90.12 TO STA. 497+57.84

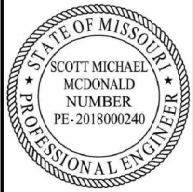
NOTE:
GRADE TO DRAIN ON
EACH SIDE OF SIDEWALK.

SIDEWALK X-SLOPE NEAR
SIDE ROADS MAY BE OPPOSITE
DIRECTION. SEE PLAN FOR
TRANSITION LOCATIONS.

* PART OF SIDEWALK MAY HAVE
TYPE A INTEGRAL CURB. SEE
PLANS FOR LOCATIONS.



PROPOSED SIDEWALK TYPICAL SECTION
ROUTE C: STA. 491+90.12 TO STA. 497+57.84 (RT.)



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
C	MO
DISTRICT	SHEET NO.
NE	2

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



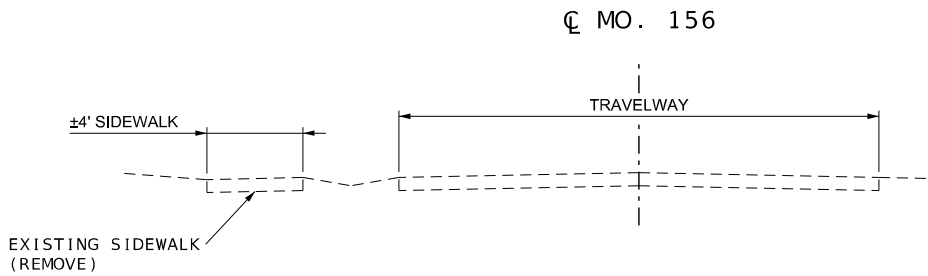
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



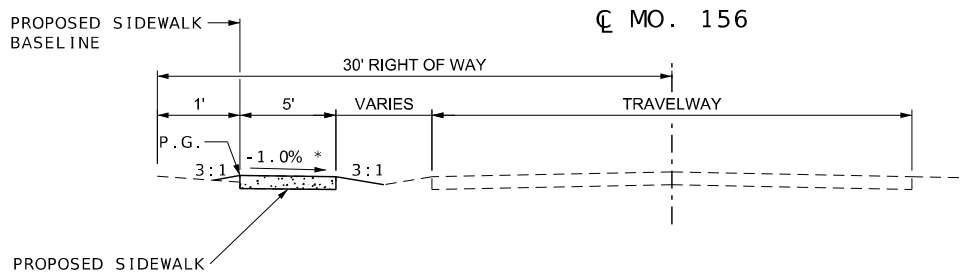
**VEENSTRA
& KIMM INC.**
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

COLLEGE MOUND
TYPICAL SECTIONS
SHEET 5 OF 6

NOT TO SCALE: FOLLOW DIMENSIONS



EXISTING SIDEWALK TYPICAL SECTION
MO. 156: STA. 559+72.61 TO STA. 569+36.94



PROPOSED SIDEWALK TYPICAL SECTION
MO. 156: STA. 559+72.61 TO STA. 569+36.94 (LT.)

NOTE:
GRADE TO DRAIN ON
EACH SIDE OF SIDEWALK.

* SIDEWALK X-SLOPE NEAR
SIDE ROADS MAY BE OPPOSITE
DIRECTION. SEE PLAN FOR
TRANSITION LOCATIONS.

SOUTH GIFFORD
TYPICAL SECTIONS
SHEET 6 OF 6

NOT TO SCALE: FOLLOW DIMENSIONS



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DATE PREPARED
03/31/2025

ROUTE 156	STATE MO
DISTRICT NE	SHEET NO. 2

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



**VEENSTRA
& KIMM INC.**
9788 N Ash Avenue
816-781-6182
Kansas City, Missouri 64157
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Certificate of Authority No. 2002006347

ADA IMPROVEMENTS - SIDEWALK										
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	CONCRETE SIDEWALK (REINFORCED) 4 IN. (S.Y.)	CONCRETE SIDEWALK (REINFORCED) 8 IN. (S.Y.)	CONCRETE SIDEWALK CURB RAMP (REINFORCED) 4 IN. (S.Y.)	CONCRETE PAVEMENT (NON-REINFORCED) 7 IN. (S.Y.)	TRUNCATED DOMES (S.F.)	REMARKS
LA PLATA (WEST OF BROWN ST.)										
	60+00 TO 60+47			A	10.0		25.3		2 EA = 20.0	TRUNCATED DOMES ARE 5' X 2' UNLESS NOTED OTHERWISE
	0+36	MO 156	LT				5.1		1 EA = 10.0	
	60+80 TO 61+48			A	38.7					
	61+62 TO 61+68			A	3.1					
	61+79 TO 62+22			A	25.2					
	62+34 TO 63+34			A	51.7		4.2		1 EA = 10.0	
	63+58 TO 63+82			A	10.3		3.2		1 EA = 10.0	
	8+69	MO 156	LT		7.5		5.6		1 EA = 10.0	
	8+69	MO 156	RT		4.2		13.4	5.8	2 EA = 20.0	
	12+68	MO 156	LT				6.5		1 EA = 10.0	
	80+00 TO 83+49			B	206.7		15.2		2 EA = 20.0	
	39+94 TO 41+37			C	73.8		3.1		1 EA = 10.0	
	41+59 TO 43+30			C	87.3		9.2		1 EA = 10.0	
	43+30 TO 45+25			C		111.6				
	45+25 TO 49+26			C	192.5		16.0		3 EA = 30.0	
	49+41 TO 54+95			C	272.0		7.5		2 EA = 20.0	
LA PLATA (EAST OF BROWN ST.)										
	20+00 TO 20+17			D	2.8		10.8		1 EA = 10.0	
	20+17 TO 23+74			D	158.5		5.4		1 EA = 10.0	
	23+94 TO 27+71			D	186.4		10.9		2 EA = 20.0	
	27+91 TO 33+01			D	248.5		9.2		2 EA = 20.0	
	33+19 TO 38+83			D	290.3		3.2		1 EA = 10.0	
ELMER										
	0+00 TO 1+91			E	130.5		5.0		2 EA = 20.0	
	2+21 TO 5+69			E	188.5		6.1		2 EA = 20.0	
	5+91 to 6+38			E	26.7		5.8		2 EA = 20.0	
	6+59 to 7+47			E	48.7		2.8		1 EA = 10.0	
	7+63 to 8+24			E	35.7					
	9+63 TO 12+04			F	115.7		5.8		2 EA = 20.0	
ETHEL										
	0+00 TO 0+67			G1	30.4		3.9		1 EA = 10.0	8" THK. SIDEWALK @ G2, STA. 5+40
	5+00 TO 5+86			G2	19.0	4.1	15.1		3 EA = 30.0	
	10+00 TO 10+22			H	4.0		11.5		1 EA = 10.0	
	10+60 TO 11+12			H	17.8		7.6		2 EA = 20.0	
	11+34 TO 11+56			H	8.8		3.4		1 EA = 10.0	
COLLEGE MOUND										
	0+00 TO 1+36			I	64.7		9.8		1 EA = 10.0	
	1+48 TO 5+24			I	197.7		11.0		1 EA = 10.0	
SOUTH GIFFORD										
	10+00 TO 12+14			J	115.6		3.4		1 EA = 10.0	
	12+14 TO 12+29			J		8.3				
	12+29 TO 13+23			J	48.8		3.4		1 EA = 10.0	
	13+48 TO 16+86			J	183.3		3.4		1 EA = 10.0	
TOTAL					3105.4	124.0	251.8	5.8	470.0	
USE					3105.4	124.0	251.8	5.8	470	

PAVEMENT MARKING						
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	TYPE 1 PREFORMED WHITE MID-BLOCK, 30 IN. (EA.)	REMARKS
LA PLATA (WEST OF BROWN ST.)						
	0+00	MO 156	RT		6	
	8+69	MO 156	℄		5	
ELMER						
	532+27	RTE J	℄		5	
TOTAL						
					16	

SUMMARY OF QUANTITIES
SHEET 1 OF 9

STATE OF MISSOURI

SCOTT MICHAEL McDONALD

NUMBER PE-2013000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE
VAR

DISTRICT
NE

STATE
MO

SHEET NO.
3

COUNTY
MACON

JOB NO.
JNE0147

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)

VEENSTRA & KIMM INC.

9788 N Ash Avenue

Kansas City, Missouri 64157

816-781-6182

816-781-0643 (FAX)

Certificate of Authority No. 2002006347

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PIPE CULVERTS / CLASS 3 EXCAVATION									
LOCATION	8 IN. CMP (L.F.)	12 IN. CMP (L.F.)	15 IN. GROUP C (L.F.)	18 IN. GROUP C (L.F.)	8 IN. CLASS 3 EXCAVATION (C.Y.)	12 IN. CLASS 3 EXCAVATION (C.Y.)	15 IN. CLASS 3 EXCAVATION (C.Y.)	18 IN. CLASS 3 EXCAVATION (C.Y.)	REMARKS
LA PLATA (WEST OF BROWN ST.)		116	9	31		25.7	2.5	10.2	SEE SHEETS 46 THRU 57 FOR PIPE CULVERT LOCATIONS AND DETAILS 8" DIA. = 0.16 C.Y./FT 12" DIA. = 0.22 C.Y./FT 15" DIA. = 0.28 C.Y./FT 18" DIA. = 0.33 C.Y./FT
LA PLATA (EAST OF BROWN ST.)	36	32			5.8	7.0			
ELMER		9		34		2.0		11.2	
ETHEL		33	24	13		7.3	6.7	4.3	
COLLEGE MOUND		9				2.0			
SOUTH GIFFORD	22	48			4.4	10.6			
TOTAL	58	247	33	78	10.2	54.4	9.2	25.7	
USE	58	247	33	78			100		

PIPE CULVERT FLARED END SECTIONS				
LOCATION	12 IN. GROUP C (EA.)	15 IN. GROUP C (EA.)	18 IN. GROUP C (EA.)	REMARKS
LA PLATA (WEST OF BROWN ST.)	9	1	1	12" DIA. PIPE SHALL BE CMP. 12" DIA. PAID FOR AS GROUP C.
LA PLATA (EAST OF BROWN ST.)	3			
ELMER	2			
ETHEL	3	1	1	
COLLEGE MOUND	2			
SOUTH GIFFORD	4			
TOTAL	23	2	2	

FABRICATED STRUCTURAL CARBON STEEL (MISC.)						
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	PLATE (LB.)	REMARKS
LA PLATA (WEST OF BROWN ST.)						
	8+69	MO 156	RT		524	5/8"x(4'-3")x(4'-10")
TOTAL					524	
USE					530	

PRECAST STORM DRAINAGE								
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	PRECAST DROP INLET 2'X 2' (L.F.)	JUNCTION BOX 3'x 3' (L.F.)	MANHOLE ASSY. 24"-TYPE 1A (EA.)	REMARKS
ELMER								
	530+90	RTE J	LT		4			TYPE S-1
ETHEL								
	525+39.5	MO 149	RT			4	1	
TOTAL					4	4	1	

SIDEWALK HANDRAIL						
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (L.F.)	REMARKS
LA PLATA (WEST OF BROWN ST.)						
	46+58 TO 46+83			C	25	SEE DETAIL ON SPECIAL SHEET 2 OF 15
TOTAL					25	

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

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DATE PREPARED

03/31/2025

ROUTE

VAR

DISTRICT

NE

STATE

MO

SHEET NO.

3

COUNTY

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JOB NO.

JNE0147

CONTRACT ID.

PROJECT NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

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MODOT

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REMOVAL OF IMPROVEMENTS											
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	SIDEWALK REMOVAL (S.Y.)	PAVEMENT REMOVAL (S.Y.)	PIPE REMOVAL (L.F.)	CURB/GUTTER REMOVAL (L.F.)	SAWCUT (L.F.)	MISC. REMOVAL (EA.)	REMARKS
LA PLATA (WEST OF BROWN ST.)											
	0+36	MO 156	LT			0.8		7	11		
	60+00 TO 63+82			A	144						
	0+36	MO 156	RT			3.6		32	40		
	VARIOUS	MO 156	LT & RT							1	SIDEWALK/STAIR CONNECTIONS @ EXIST. SIDE STREETS OR RESIDENCES (MIN. 13 LOCATIONS)
	8+69	MO 156	LT		5		12		5		
	8+69	MO 156	RT		25	19	27	22			
	80+00 TO 83+49			B	118		61	61	61		
	39+75 TO 41+37			C	55		71				
	13+10 TO 13+90	MO 156	RT							1	FENCING - 101 L.F.
	41+59 TO 45+32			C	161		19				
	45+48 TO 49+26			C	144		39				
	49+41 TO 54+95			C	161		15				
	VARIOUS									17	EXISTING SIGNS, (INCLUDING POSTS, ANCHORS, BACKING BARS, ETC.)
LA PLATA (EAST OF BROWN ST.)											
	20+00 TO 23+74			D	111	3	7		32		
	23+94 TO 27+71			D	164		18				
	27+92 TO 33+01			D	207		5				
	33+19 TO 39+00			D	192						
	VARIOUS	MO 156	LT & RT							1	SIDEWALK/STAIR CONNECTIONS @ EXIST. SIDE STREETS OR RESIDENCES (MIN. 6 LOCATIONS)
										6	EXISTING SIGNS, (INCLUDING POSTS, ANCHORS, BACKING BARS, ETC.)
ELMER											
	0+00 TO 1+92			E	95						
	1+45			E						1	CONCRETE STAIRS/LANDING
	2+21 TO 5+69			E	148		18				
	5+91 TO 6+38			E	24						
	6+59 TO 8+40			E	87		3				
	10+00 TO 12+04			F	190						
										4	EXISTING SIGNS, (INCLUDING POSTS, ANCHORS, BACKING BARS, ETC.)
ETHEL											
	0+00 TO 0+67			G1	37						
	5+00 TO 5+86			G2	2						
	10+00 TO 10+08			H	11						
COLLEGE MOUND											
	0+00 TO 5+24			I	191						
SOUTH GIFFORD											
	9+75 TO 13+23			J	254		11				
	13+48 TO 19+67			J	161		8				CONCRETE SLAB REMOVAL
										1	EXISTING SIGNS, (INCLUDING POSTS, ANCHORS, BACKING BARS, ETC.)
				TOTAL	2687	27	314	122	149	4	
USE					LUMP SUM						

CLEARING, GRUBBING & TREE REMOVAL						
LOCATION	STATION	STREET	SIDE	CLEARING & GRUBBING (ACRE)	TREE TRIMMING & REMOVAL (L.S.)	REMARKS
LA PLATA (WEST OF BROWN ST.)						
	14+35 TO 15+35	MO 156	LT	0.02		SMALL BRUSH ALONG ROADWAY
ELMER						
	530+80 TO 531+30	RTE J	LT	0.01	1	LARGE TREE STUMP AND SMALL PLANTINGS
ETHEL						
	529+00 TO 529+15	MO 149	RT	0.01		SMALL BUSHES
ALL COMMUNITIES						
VARIOUS TREE TRIMMING AS REQUIRED FOR ADA COMPLIANT PAR WITHIN THE PROPOSED SIDEWALK IMPROVEMENTS.						
TOTAL				0.04	1	
USE				1	1	

MISC. SEEDING & MULCHING	
LUMP SUM	1

MOBILIZATION	
LUMP SUM	1

CONTRACTOR FURNISHED SURVEYING AND STAKING	
LUMP SUM	1

MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL	
LUMP SUM	1

SUMMARY OF QUANTITIES
SHEET 6 OF 9



THIS SHEET HAS BEEN
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DATE PREPARED
03/31/2025

ROUTE VAR	STATE MO
DISTRICT NE	SHEET NO. 3

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 **MoDOT**

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



ROCK AND GRAVEL								
LOCATION	STATION	STREET	SIDE	SIDEWALK DESIGNATION	ROCK LINING (C.Y.)	GRAVEL A OR CRUSHED STONE B 3 IN. (S.Y.)	TYPE 1 AGGREGATE FOR BASE 4 IN. (S.Y.)	REMARKS
LA PLATA (WEST OF BROWN ST.)								
	60+47		RT	A		7.4	25.7	COMMERCIAL DRIVE
	61+48			A			14.0	RESIDENTIAL DRIVE
	61+67		RT	A		2.5	8.6	RESIDENTIAL DRIVE
	62+22		RT	A		2.7	9.4	RESIDENTIAL DRIVE
	63+34			A			37.7	STREET CROSSING
	8+69	MO 156	LT & RT		1.3		5.8	PAVEMENT BASE UNDER MEDIAN
	81+25		RT	B		2.9	18.7	RESIDENTIAL DRIVE
	81+64		RT	B		3.4	21.9	ALLEY
	40+35		RT	C		10.0	8.0	RESIDENTIAL DRIVE
	40+35		LT	C		1.8		
	41+37			C			46.0	STREET CROSSING
	45+32			C			31.4	STREET CROSSING
	46+40			C			19.5	RESIDENTIAL DRIVE
	49+26			C			22.5	STREET CROSSING
	50+95		LT	C		3.4	11.7	RESIDENTIAL DRIVE
	51+81		LT	C		5.8	20.2	RESIDENTIAL DRIVE
	53+87		LT	C		2.7	9.4	RESIDENTIAL DRIVE
	83+45			B			8.0	BASE, CULVERT HEADWALLS
	43+30 to 44+35	MO 156	LT				9.0	3 STAIRCASE @ 3 CY EACH
LA PLATA (EAST OF BROWN ST.)								
	20+17			D			54.0	COMMERCIAL DRIVE
	21+70		LT	D		4.5	15.6	RESIDENTIAL DRIVE
	23+74			D			28.7	STREET CROSSING
	25+15			D			12.2	RESIDENTIAL DRIVE
	26+42			D			11.0	RESIDENTIAL DRIVE
	26+77			D			21.0	RESIDENTIAL DRIVE
	27+72			D			28.7	STREET CROSSING
	30+59			D			28.8	RESIDENTIAL DRIVE
	31+40		LT	D		11.0	10.1	RESIDENTIAL DRIVE
	31+89			D			30.4	RESIDENTIAL DRIVE
	33+01			D			25.4	STREET CROSSING
	34+95			D			15.9	RESIDENTIAL DRIVE
	35+66			D			15.0	RESIDENTIAL DRIVE
	35+99			D			12.0	RESIDENTIAL DRIVE
	38+83			D			53.1	RESIDENTIAL DRIVE
	32+05		LT	D		21.0		RESIDENTIAL DRIVE
ELMER								
	0+00		LT	E		5.8	57.0	STREET CROSSING
	1+92		LT	E		13.3	57.9	STREET CROSSING
	5+69		LT	E		9.8	22.0	STREET CROSSING
	6+38		LT	E		9.4	21.0	STREET CROSSING
	7+47		LT	E		3.6	12.5	RESIDENTIAL DRIVE
	8+24		LT	E		3.6	12.5	ALLEY
	1+45		LT	E			4.9	STAIRCASE-CHURCH ENTRANCE
	530+66	RTE J	LT		0.8			4'x5'x1'
	530+85	RTE J	LT		0.8			4'x5'x1'
	532+20	RTE J	RT		0.9			5'x5'x1'
ETHEL								
	5+52		RT	G2		23.3	88.0	STREET CROSSING
	10+22		RT	H		16.4	106.4	STREET CROSSING
	10+95		LT & RT	H		7.4		ADJACENT SIDEWALK
	11+34		LT & RT	H		9.8		ADJACENT SIDEWALK
	525+01	MO 149	LT		0.6			3'x5'x1'
	525+25	MO 149	RT		3.3			WIDTH & LENGTH VARY, SEE PLAN
	528+80	MO 149	RT		0.7			3.5'x5'x1'
COLLEGE MOUND								
	1+36		RT	I		3.4	10.0	RESIDENTIAL DRIVE
	5+24		RT	I		16.0	74.2	RESIDENTIAL DRIVE
	497+12	RTE C	RT		0.6			3'x5'x1'
	497+51	RTE C	RT		0.6			3'x5'x1'
	492+04	RTE C	RT		0.6			3'x5'x1'
SOUTH GIFFORD								
	9+75		LT	J		11.1	51.3	STREET CROSSING
	13+23		LT	J		11.1	57.6	STREET CROSSING
	16+86		LT	J		3.6	12.5	RESIDENTIAL DRIVE
	563+70	MO 156	LT		1.5			5'x8'x1'
	565+20	MO 156	LT		0.6			3'x5'x1'
TOTAL					12.3	226.7	1277.2	
USE					13	227	1277	

SUMMARY OF QUANTITIES
SHEET 8 OF 9

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

03/31/2025

ROUTE

VAR

DISTRICT

NE

STATE

MO

SHEET NO.

3

COUNTY

MACON

JOB NO.

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DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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VEENSTRA & KIMM INC.

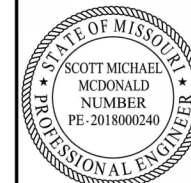
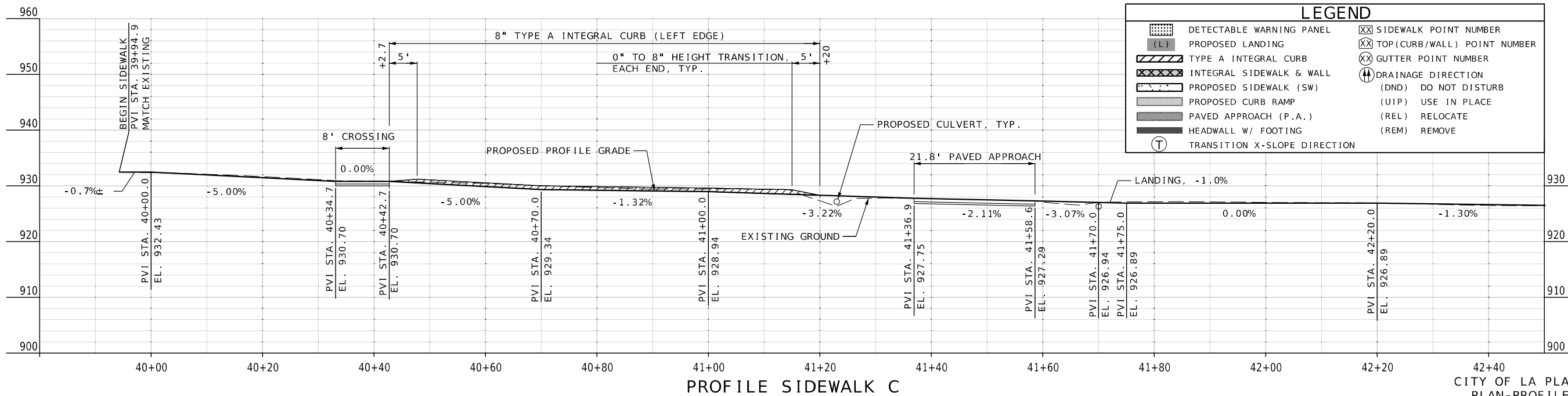
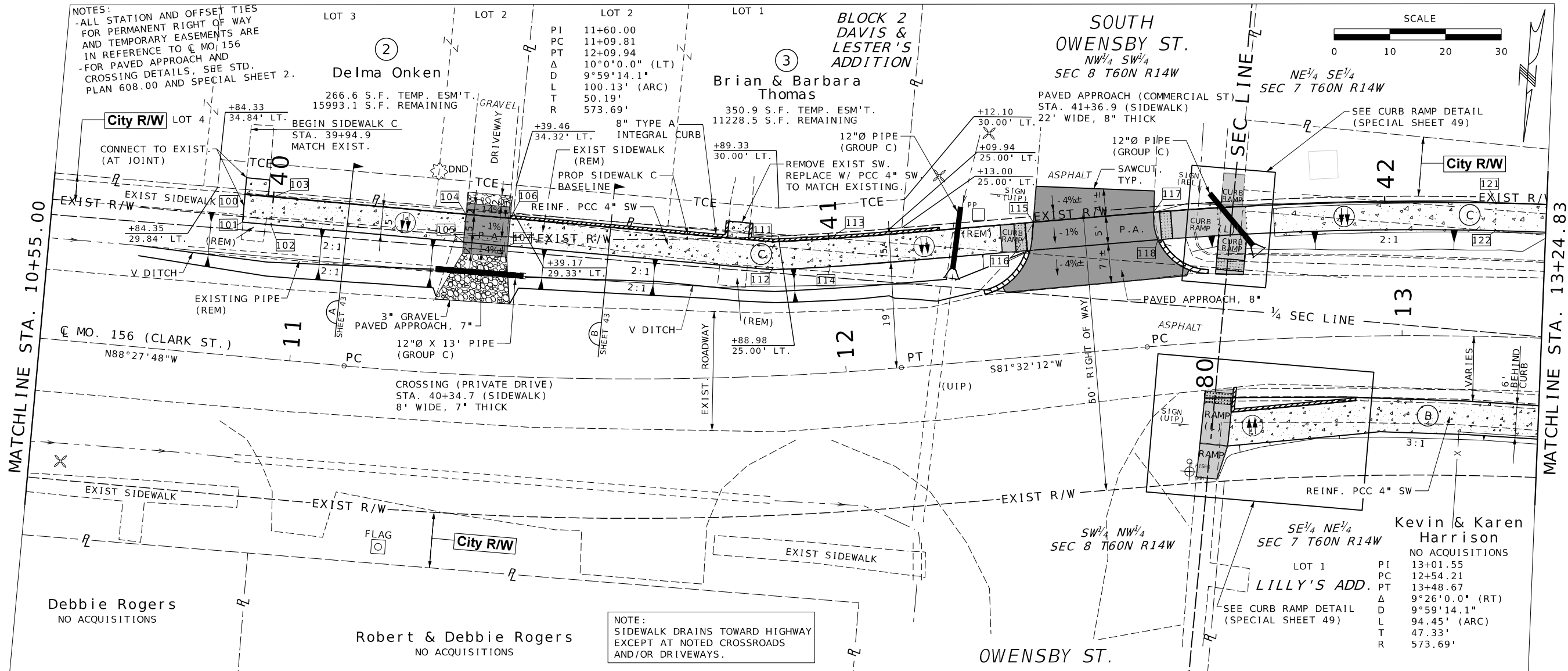
9788 N Ash Avenue Kansas City, Missouri 64157

816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347

003_QU_01-08_JNE0147_i1_QUANTITIES.dgn 2:40:46 PM 3/31/2025

																				EFFECTIVE: 07-01-2024
SIZE	AREA	QTY	TOTAL AREA	QTY RELOC	TOTAL RELOC	SIGN NUM.			SIZE	AREA	QTY	TOTAL	QTY RELOC	TOTAL RELOC	SIGN NUM.			ITEM	TOTAL	
IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.		DESCRIPTION		IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.		DESCRIPTION		NUMBER	QTY	DESCRIPTION
WARNING SIGNS									GUIDE SIGNS											
WO1-1L	48X48	16.00					TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00					TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00					CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00					CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00					REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00					REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00					REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4R	48X48	16.00					REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4bL	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	2	12.00			20A	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bR	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6123001	1 *	TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cL	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161008	4 *	ADVANCED WARNING RAIL SYSTEM	
WO1-4cR	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50					HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00					HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161025	9 *	CHANNELIZER (TRIM LINE)	
WO1-7a	72X36	18.00					DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161030	9 *	TYPE III MOVEABLE BARRICADE	
WO1-8	18X24	3.00					CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033	16 *	DIRECTION INDICATOR BARRICADE	
WO1-8a	30X36	7.50					CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161040	1 *	FLASHING ARROW PANEL	
WO3-1	48X48	16.00					STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER	
WO3-2	48X48	16.00					YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055	18 *	SEQUENTIAL FLASHING WARNING LIGHT	
WO3-3	48X48	16.00					SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	4	48.00			4,25	SPEED LIMIT XX(FIELD DETERMINE)	6161070		TUBULAR MARKER	
WO3-4	48X48	16.00					BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO3-5	48X48	16.00	2	32.00		3	SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN,	
WO4-1L	48X48	16.00					MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS			COMMISSION FURNISHED/RETAINED	
WO4-1R	48X48	16.00					MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)		6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM.
WO4-1aL	48X48	16.00					MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161099		CHANGEABLE MESSAGE SIGN WITH COMM.	
WO4-1aR	48X48	16.00					MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT			INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00					ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161099		INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00					ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO5-5	48X48	16.00					NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-1	48X48	16.00					DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6173600D		TEMPORARY TRAFFIC BARRIER	
WO6-2	48X48	16.00					DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER			CONTRACTOR FURNISHED/RETAINED	
WO6-3	48X48	16.00					TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED	
WO7-3a	30X24	5.00					NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-1	48X48	16.00					BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER	
WO8-2	48X48	16.00					DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6176000B		TEMPORARY TRAFFIC BARRIER	
WO8-3	48X48	16.00					PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			COMMISSION FURNISHED/RETAINED	
WO8-4	48X48	16.00					SOFT SHOULDER	R9-9	24X12	2.00	6	12.00			80	SIDEWALK CLOSED	6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-5	48X48	16.00					SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00	2	6.00			81	SIDEWALK CLOSED AHEAD,			COMMISSION FURNISHED/RETAINED	
WO8-6	48X48	16.00					TRUCK CROSSING	R9-11R	24X18	3.00	2	6.00			82	(ARROW LEFT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO8-6c	48X48	16.00					TRUCK ENTRANCE	R10-6	24X36	6.00						SIDEWALK CLOSED AHEAD,	9029400		TEMPORARY TRAFFIC SIGNALS	
WO8-7	36X36	9.00					LOOSE GRAVEL	R11-2	48X30	10.00	2	20.00			29	(ARROW RIGHT) CROSS HERE	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7a	36X36	9.00					FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50						STOP HERE ON RED (45^ ARROW)	6169902			
WO8-9	48X48	16.00					LOW SHOULDER	R11-4	60X30	12.50	1	12.50			30	ROAD CLOSED		6 *	DETECTABLE PEDESTRIAN CHANNELIZE BARRICADE	
WO8-11	48X48	16.00					UNEVEN LANES	CONST-3A	60X48	20.00						ROAD CLOSED XX MILES AHEAD				
WO8-12	48X48	16.00					NO CENTER LINE	CONST-3X	56X12	4.67						LOCAL TRAFFIC ONLY				
WO8-15	48X48	16.00					GROOVED PAVEMENT	MISCELLANEOUS SIGNS												
WO8-15P	30X24	5.00					MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00						POINT OF PRESENCE				
WO8-17L	48X48	16.00					SHOULDER DROP-OFF (SYMBOL LEFT)</													



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE 156 STATE MO

DISTRICT NE SHEET NO. 8

COUNTY MACON

JOB NO. JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

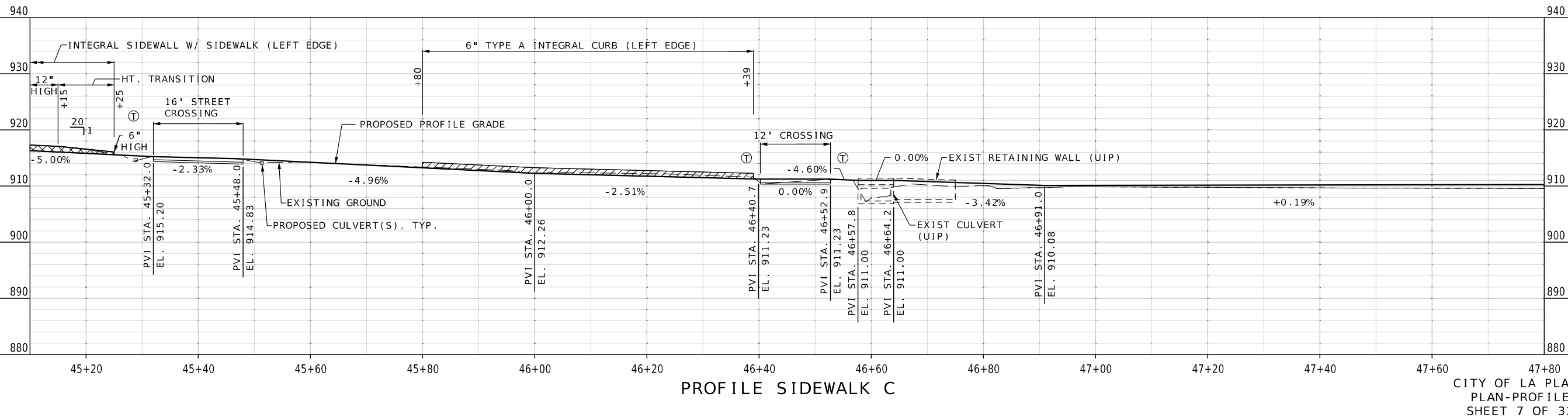
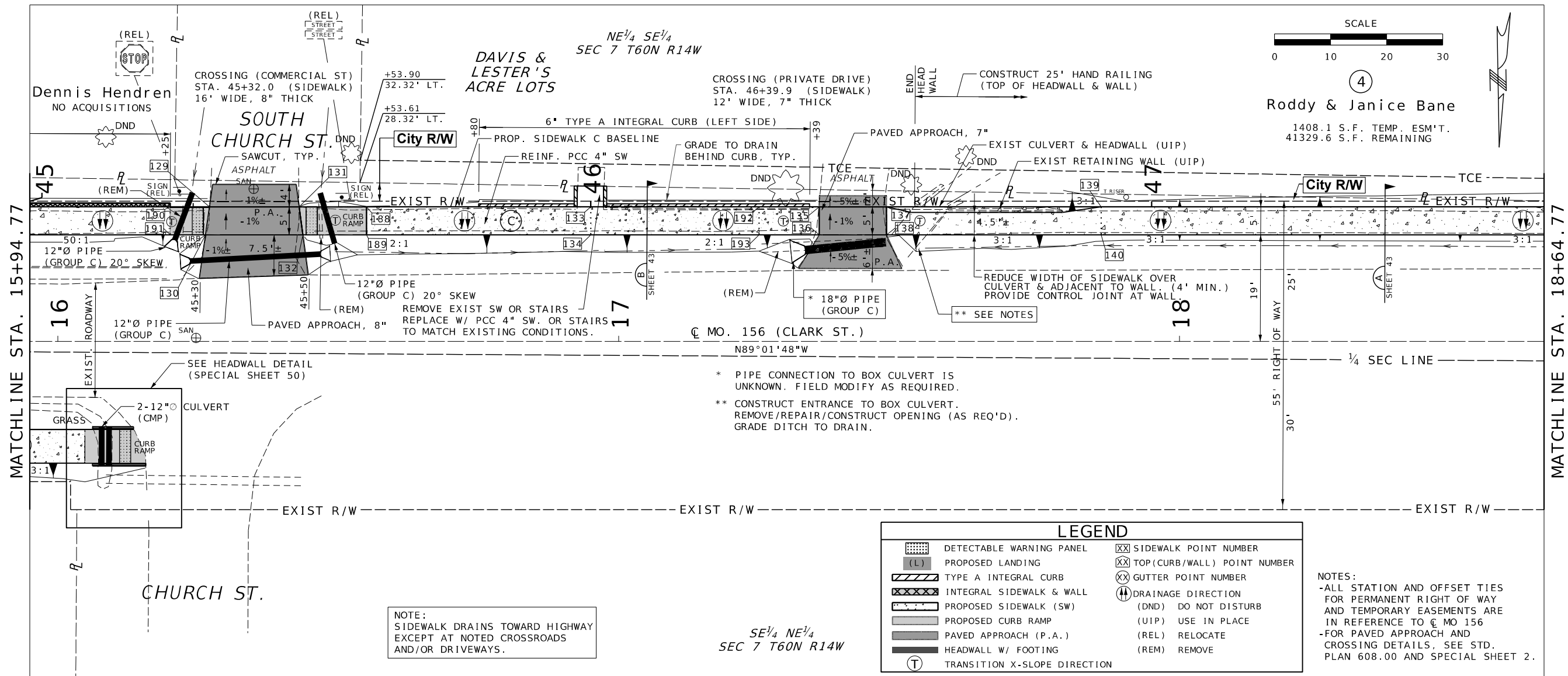
VEENSTRA & KIMM INC.

9788 N Ash Avenue

Kansas City, Missouri 64157

816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347



SCOTT MICHAEL
MCDONALD
NUMBER
PE-2018000240
PROFESSIONAL ENGINEER

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03/31/2025

ROUTE
156

STATE
MO

DISTRICT
NE

SHEET NO.
10

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

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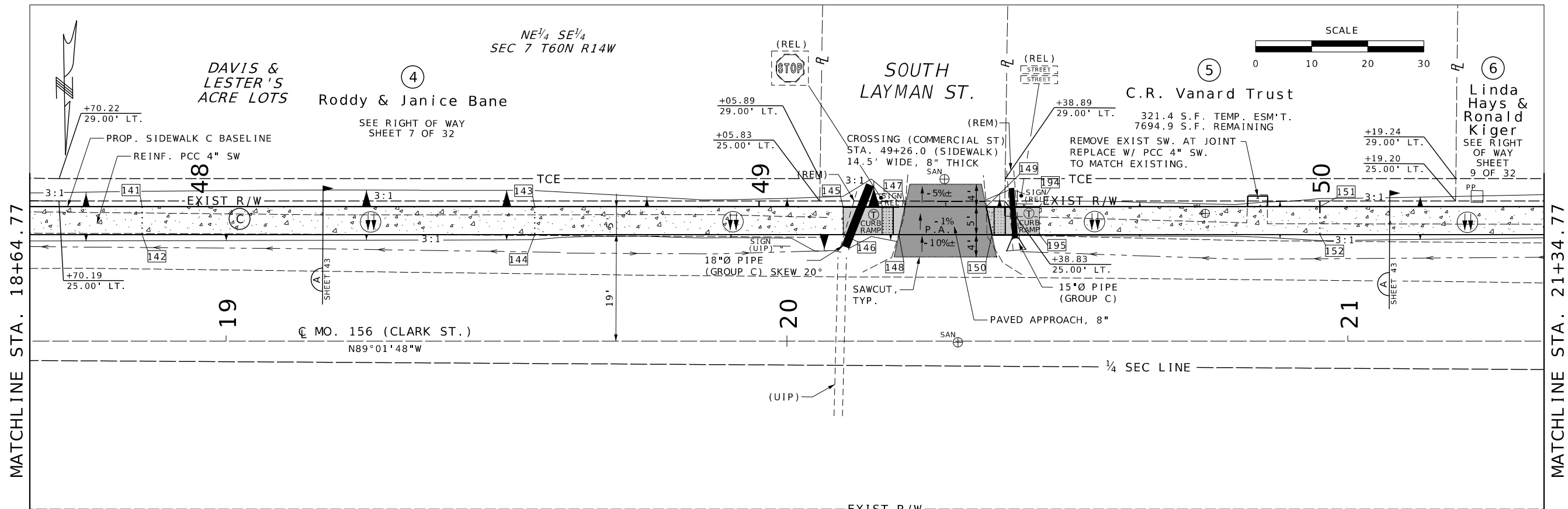
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105 WEST CAPITOL
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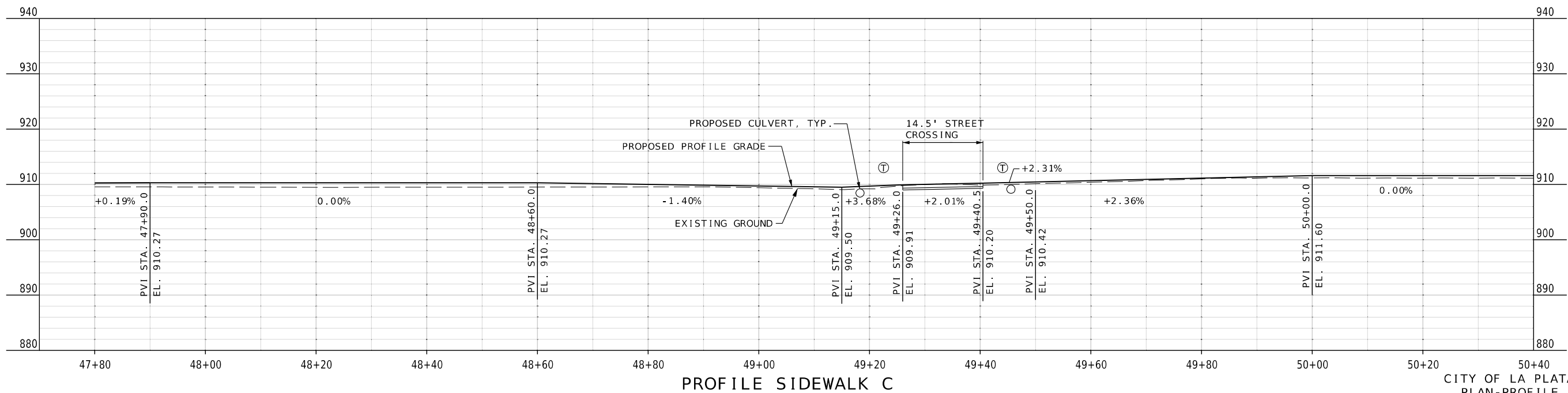


NOTES:
-ALL STATION AND OFFSET TIES
FOR PERMANENT RIGHT OF WAY
AND TEMPORARY EASEMENTS ARE
IN REFERENCE TO C MO 156
-FOR PAVED APPROACH AND
CROSSING DETAILS, SEE STD.
PLAN 608.00 AND SPECIAL SHEET 2.

NOTE:
SIDEWALK DRAINS TOWARD HIGHWAY
EXCEPT AT NOTED CROSSROADS
AND/OR DRIVEWAYS.

SE 1/4 NE 1/4
SEC 7 T60N R14W

LEGEND	
	DETECTABLE WARNING PANEL
	PROPOSED LANDING
	TYPE A INTEGRAL CURB
	INTEGRAL SIDEWALK & WALL
	PROPOSED SIDEWALK (SW)
	PROPOSED CURB RAMP
	PAVED APPROACH (P.A.)
	HEADWALL W/ FOOTING
	TRANSITION X-SLOPE DIRECTION
	SIDEWALK POINT NUMBER
	TOP (CURB/WALL) POINT NUMBER
	GUTTER POINT NUMBER
	DRAINAGE DIRECTION
	(DND) DO NOT DISTURB
	(UIP) USE IN PLACE
	(REL) RELOCATE
	(REM) REMOVE



PROFILE SIDEWALK C

CITY OF LA PLATA
PLAN-PROFILE
SHEET 8 OF 32



THIS SHEET HAS BEEN
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ROUTE
156

STATE
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DISTRICT
NE

SHEET NO.
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COUNTY
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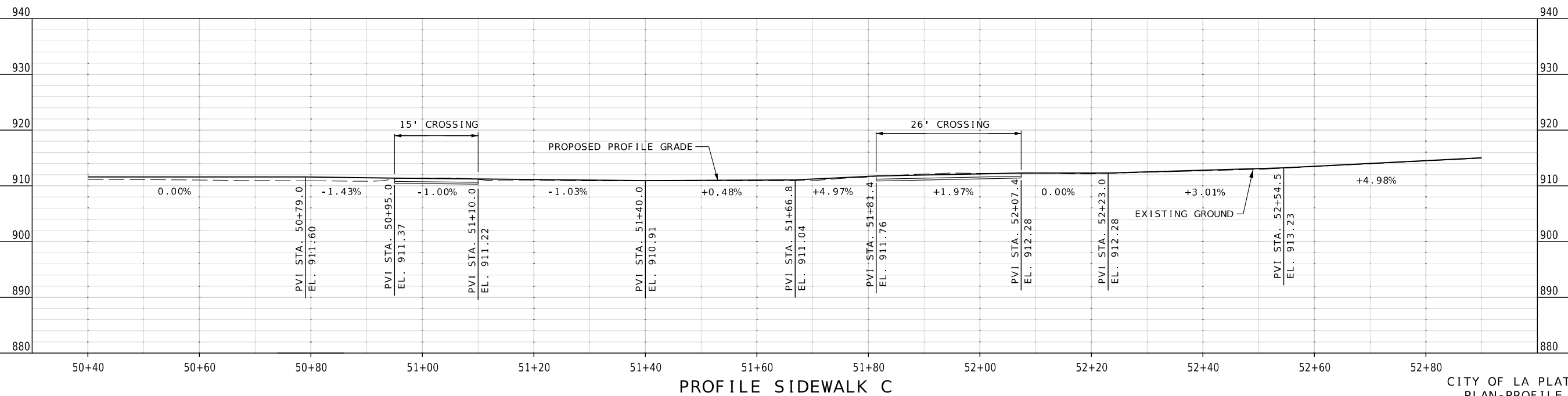
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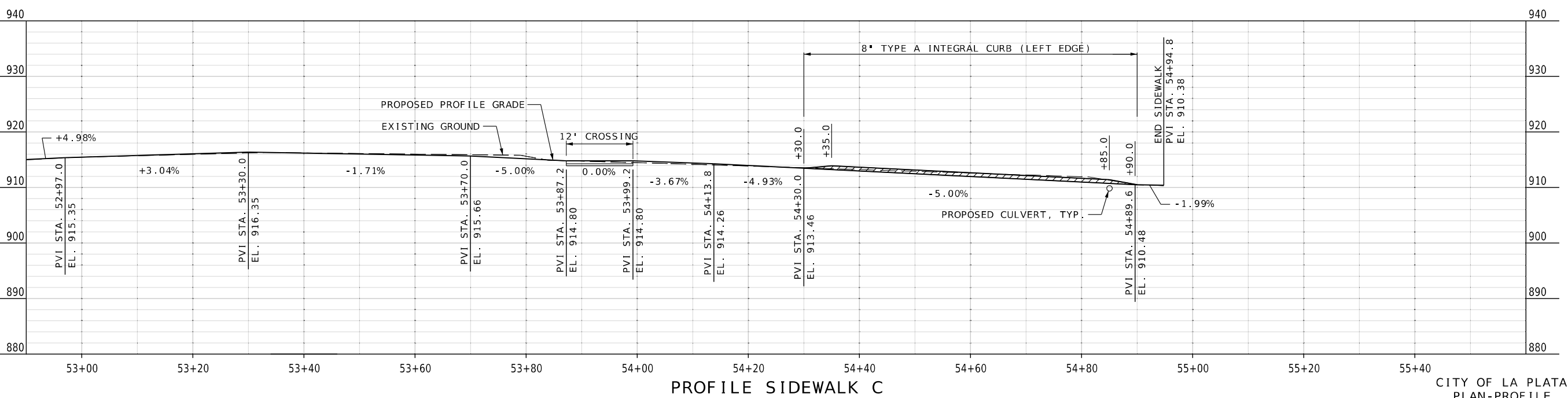
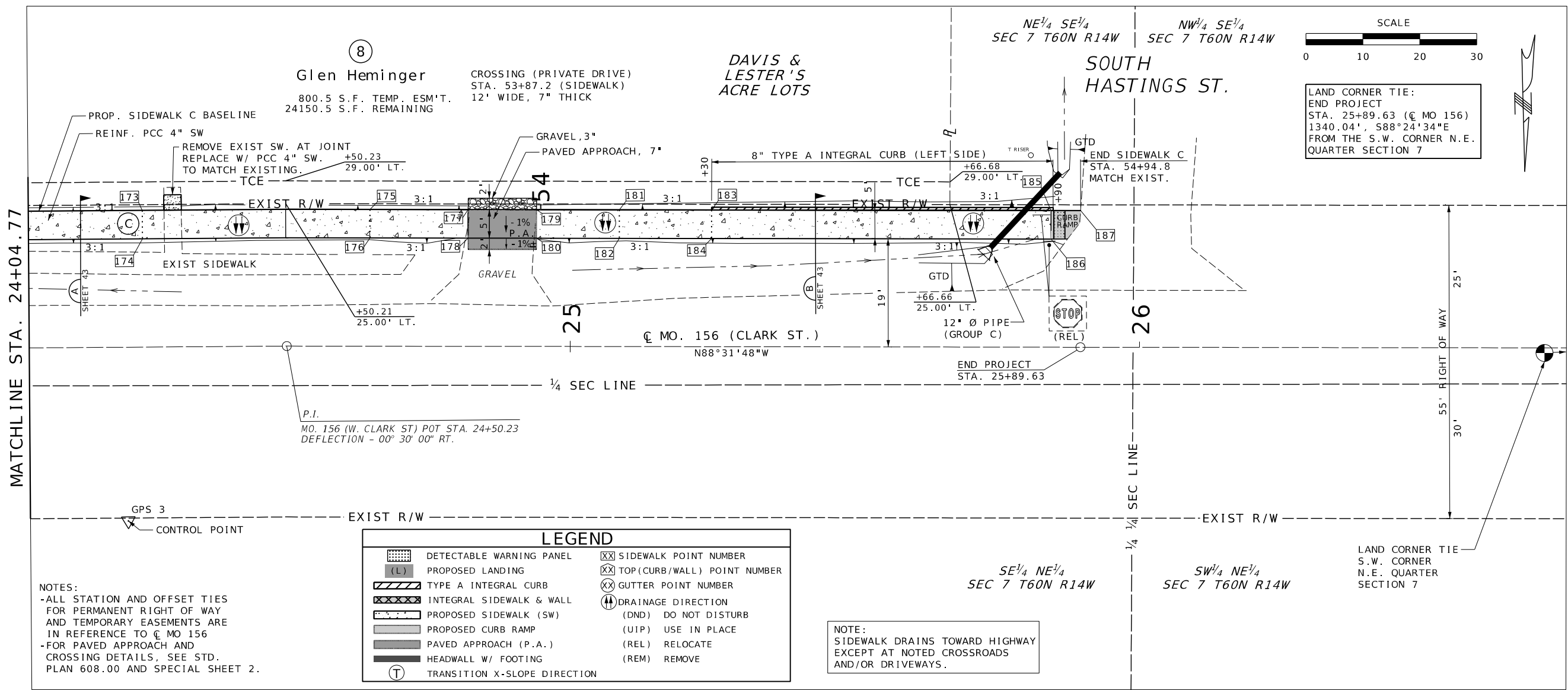
DATE

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DATE



CITY OF LA PLATA
PLAN-PROFILE
SHEET 9 OF 32



STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

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DATE PREPARED 03/31/2025

ROUTE 156 STATE MO

DISTRICT NE SHEET NO. 13

COUNTY MACON

JOB NO. JNE0147

CONTRACT ID.

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BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

VEENSTRA & KIMM INC.

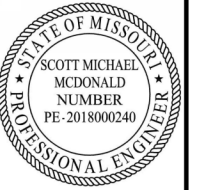
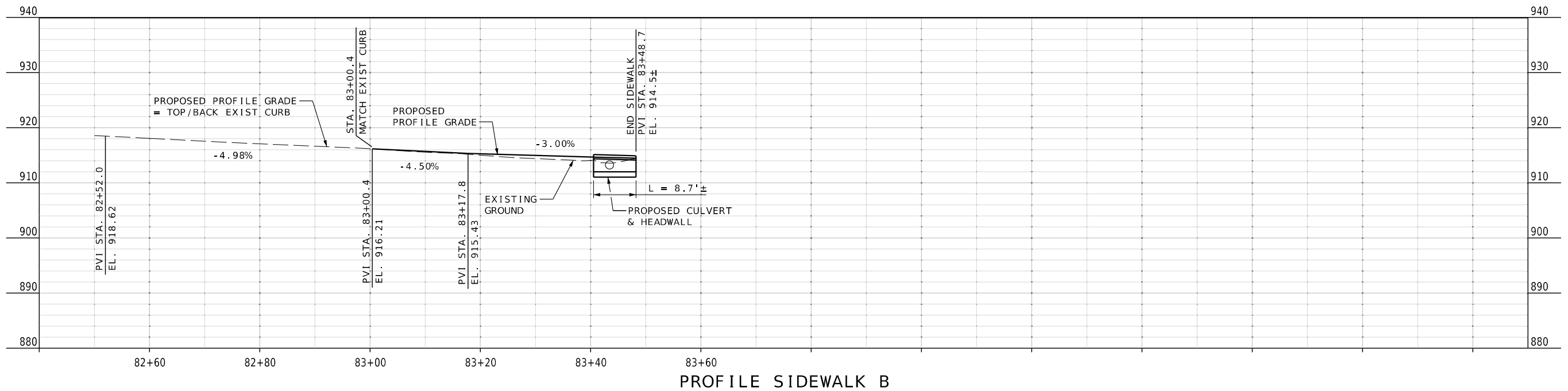
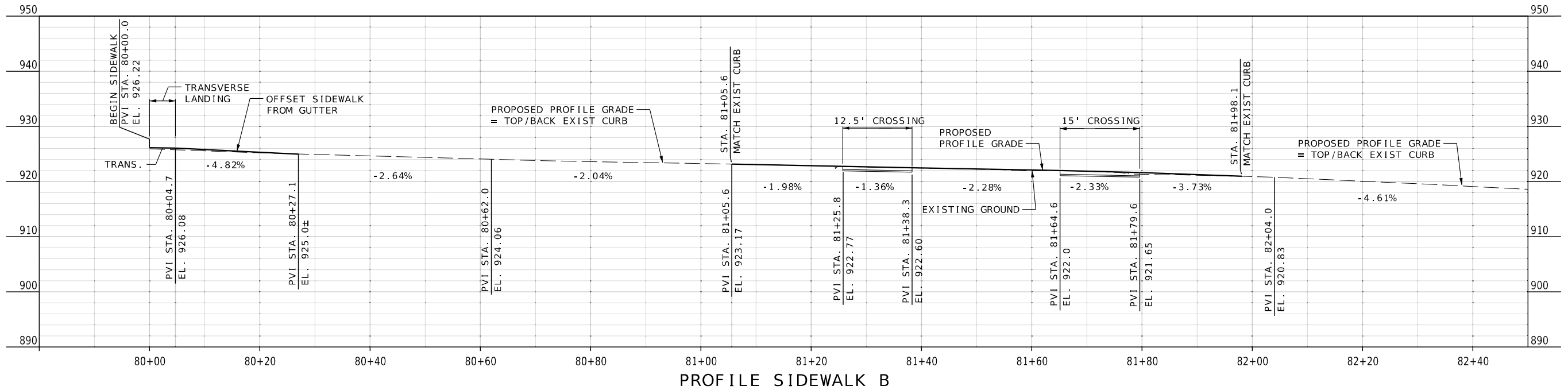
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816-781-6182 816-781-0643 (FAX)

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ROUTE **156** STATE **MO**

DISTRICT **NE** SHEET NO. **14**

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

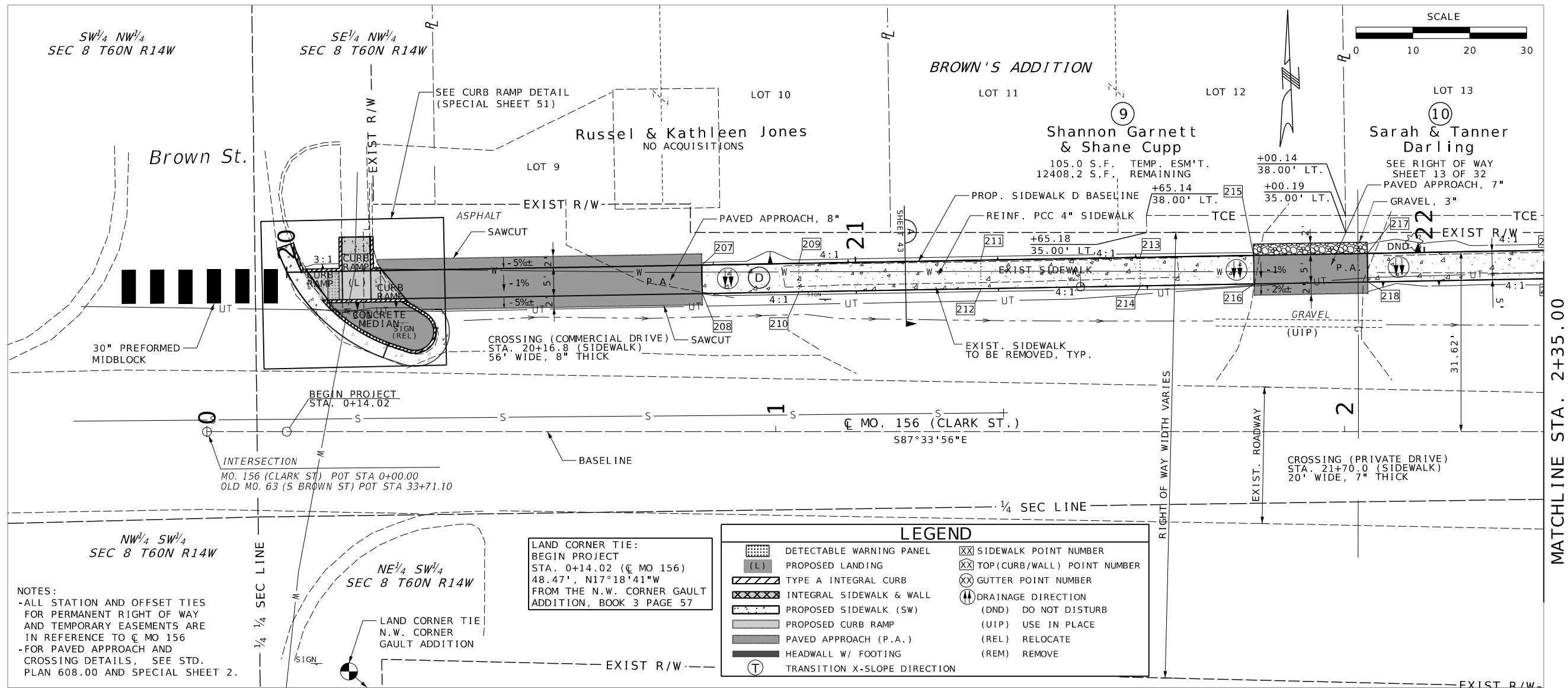
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Certificate of Authority No. 2002006347

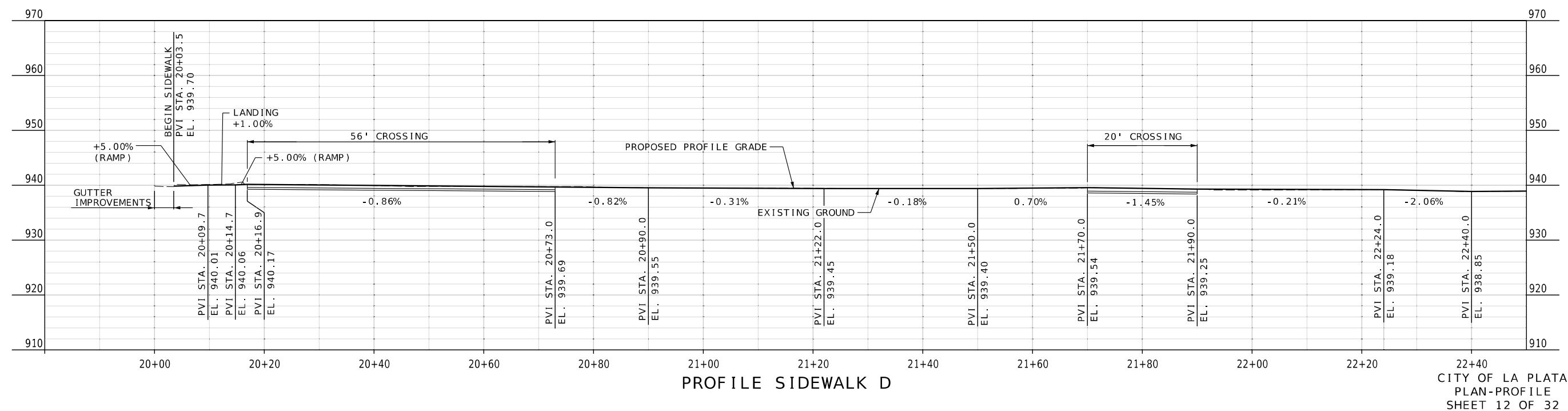
CITY OF LA PLATA
PLAN-PROFILE
SHEET 11 OF 32



NOTES:
-ALL STATION AND OFFSET TIES FOR PERMANENT RIGHT OF WAY AND TEMPORARY EASEMENTS ARE IN REFERENCE TO C MO 156
-FOR PAVED APPROACH AND CROSSING DETAILS, SEE STD. PLAN 608.00 AND SPECIAL SHEET 2.

LAND CORNER TIE:
BEGIN PROJECT
STA. 0+14.02 (C MO 156)
48.47', N17°18'41"W
FROM THE N.W. CORNER GAULT
ADDITION, BOOK 3 PAGE 57

LEGEND			
	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK (SW)		(DND) DO NOT DISTURB
	PROPOSED CURB RAMP		(UIP) USE IN PLACE
	PAVED APPROACH (P.A.)		(REL) RELOCATE
	HEADWALL W/ FOOTING		(REM) REMOVE
	TRANSITION X-SLOPE DIRECTION		



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE
156

DISTRICT
NE

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

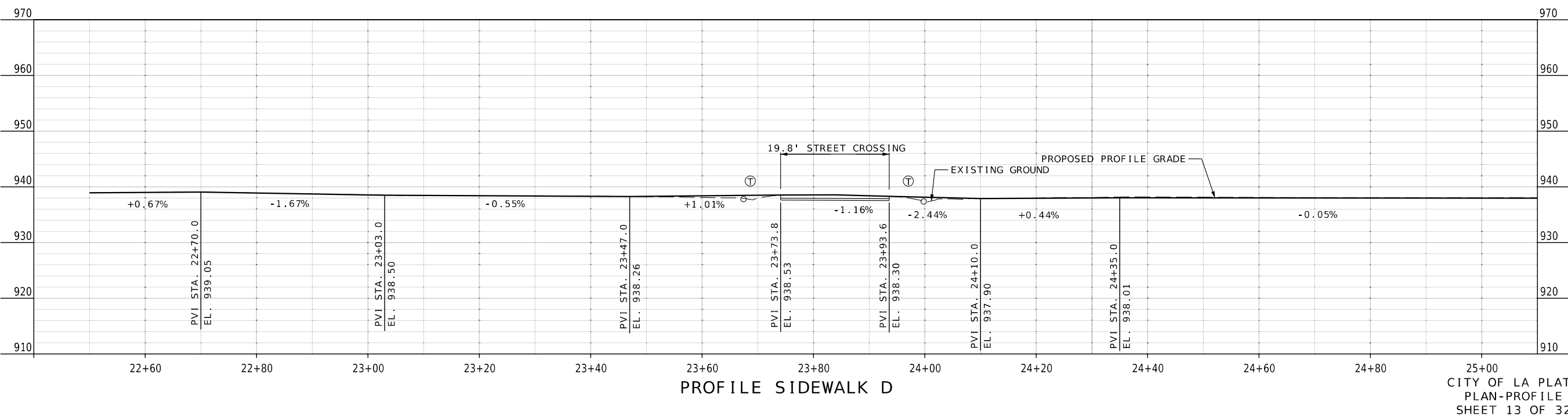
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

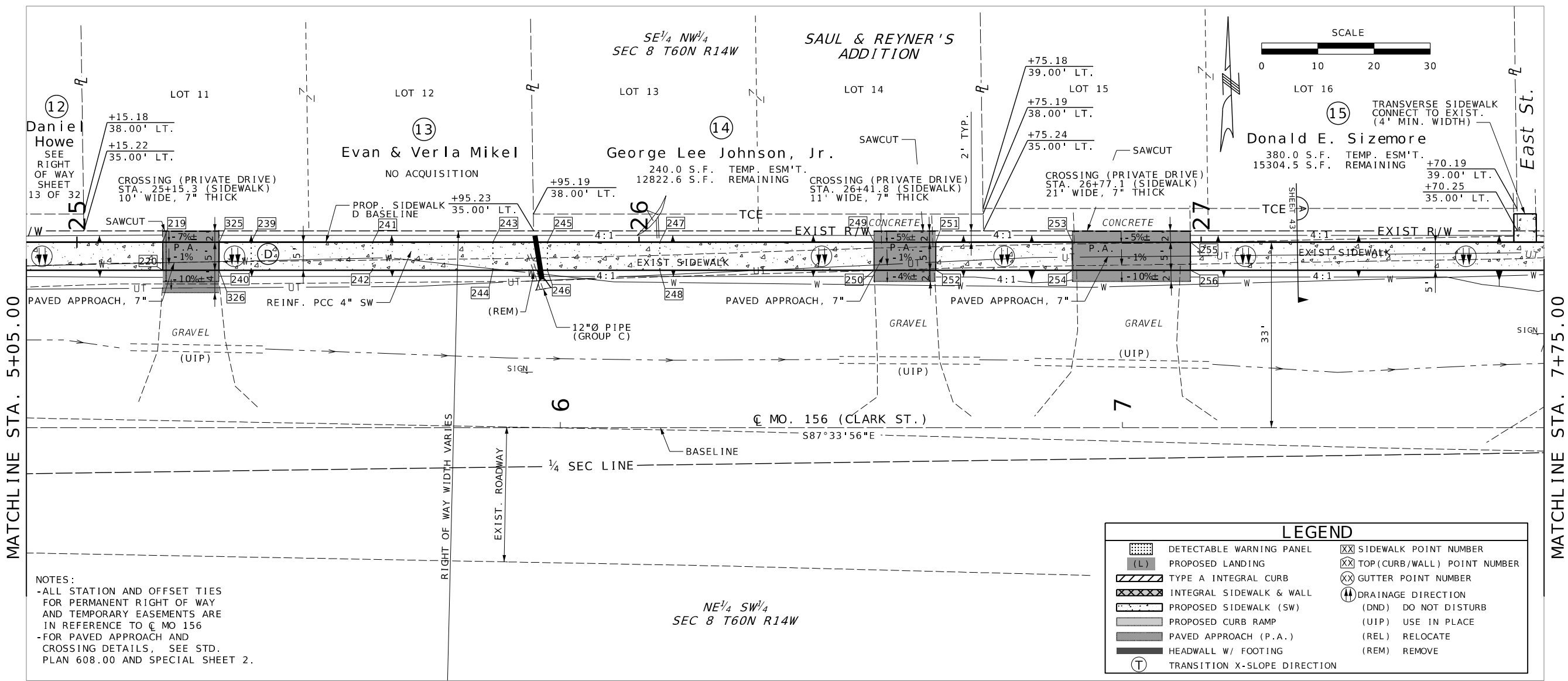
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

VEENSTRA & KIMM INC.

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

CITY OF LA PLATA
PLAN-PROFILE
SHEET 12 OF 32

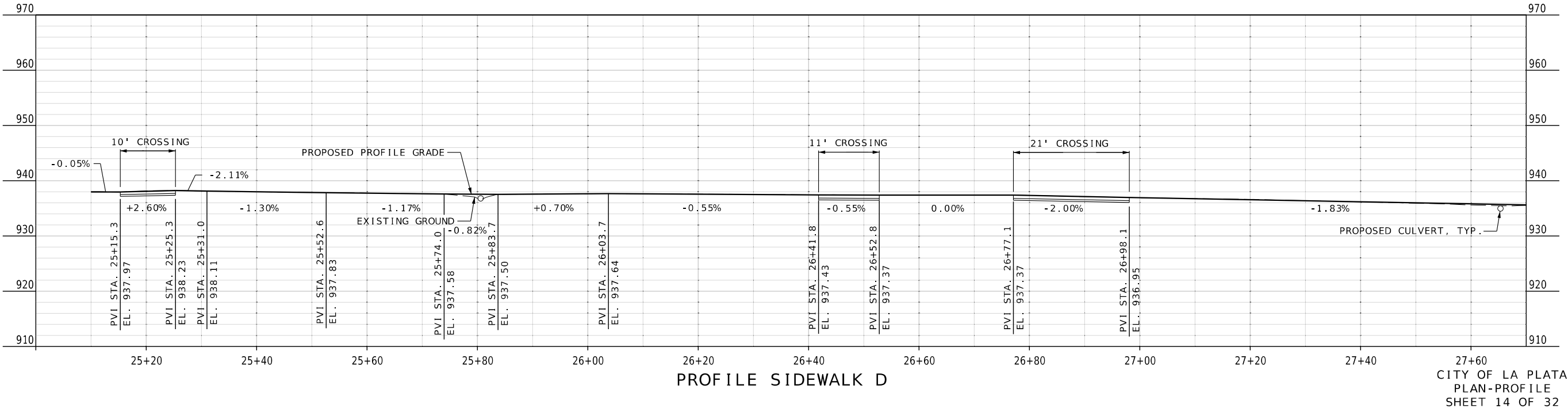




NOTES:
-ALL STATION AND OFFSET TIES FOR PERMANENT RIGHT OF WAY AND TEMPORARY EASEMENTS ARE IN REFERENCE TO CL MO 156
-FOR PAVED APPROACH AND CROSSING DETAILS, SEE STD. PLAN 608.00 AND SPECIAL SHEET 2.

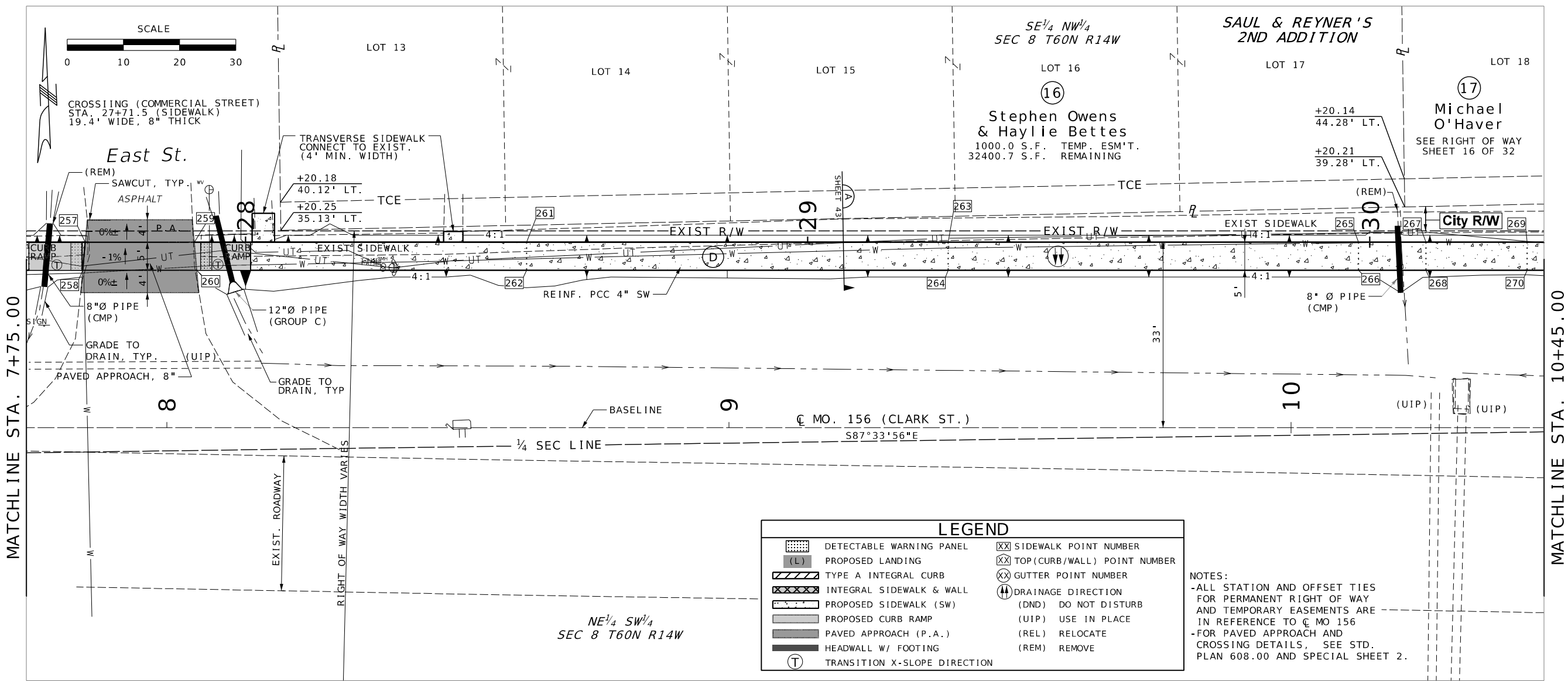
LEGEND

	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK (SW)		(DND) DO NOT DISTURB
	PROPOSED CURB RAMP		(UIP) USE IN PLACE
	PAVED APPROACH (P.A.)		(REL) RELOCATE
	HEADWALL W/ FOOTING		(REM) REMOVE
	TRANSITION X-SLOPE DIRECTION		



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.
DATE PREPARED: 03/31/2025
ROUTE: 156, STATE: MO, DISTRICT: NE, SHEET NO.: 17
COUNTY: MACON
JOB NO.: JNE0147
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)

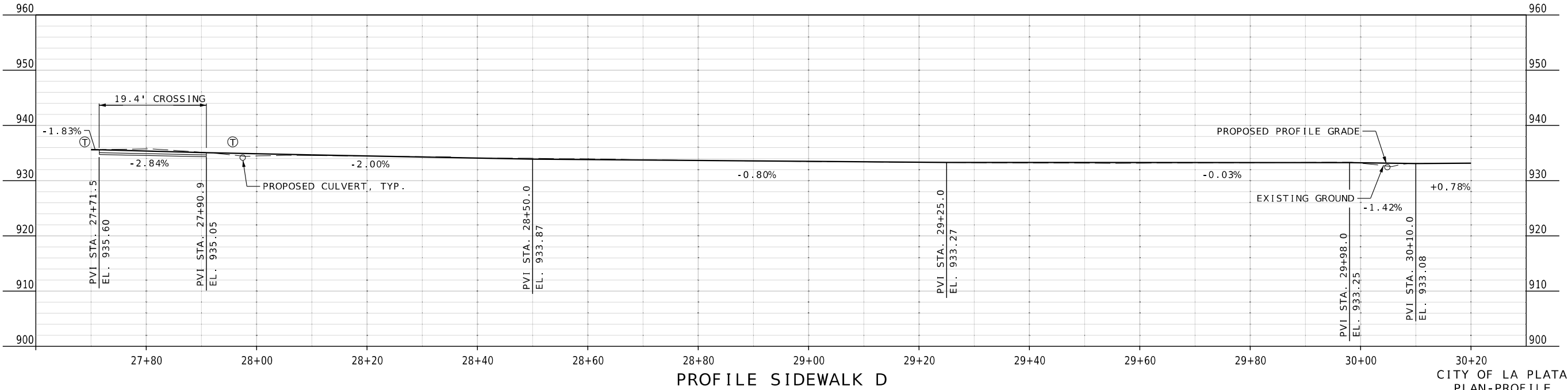
VEENSTRA & KIMM INC.
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



LEGEND

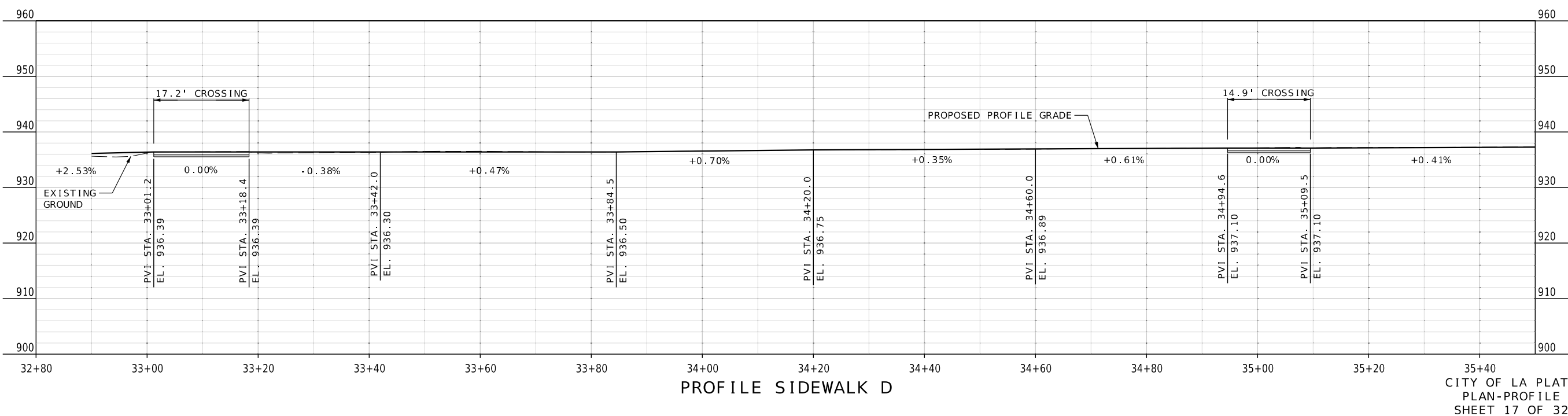
	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK (SW)	(DND)	DO NOT DISTURB
	PROPOSED CURB RAMP	(UIP)	USE IN PLACE
	PAVED APPROACH (P.A.)	(REL)	RELOCATE
	HEADWALL W/ FOOTING	(REM)	REMOVE
	TRANSITION X-SLOPE DIRECTION		

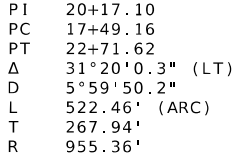
NOTES:
-ALL STATION AND OFFSET TIES FOR PERMANENT RIGHT OF WAY AND TEMPORARY EASEMENTS ARE IN REFERENCE TO C MO 156
-FOR PAVED APPROACH AND CROSSING DETAILS, SEE STD. PLAN 608.00 AND SPECIAL SHEET 2.



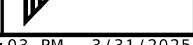
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.
DATE PREPARED: 03/31/2025
ROUTE: 156, STATE: MO, DISTRICT: NE, SHEET NO.: 18
COUNTY: MACON, JOB NO.: JNE0147, CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:
DESCRIPTION:
DATE:
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

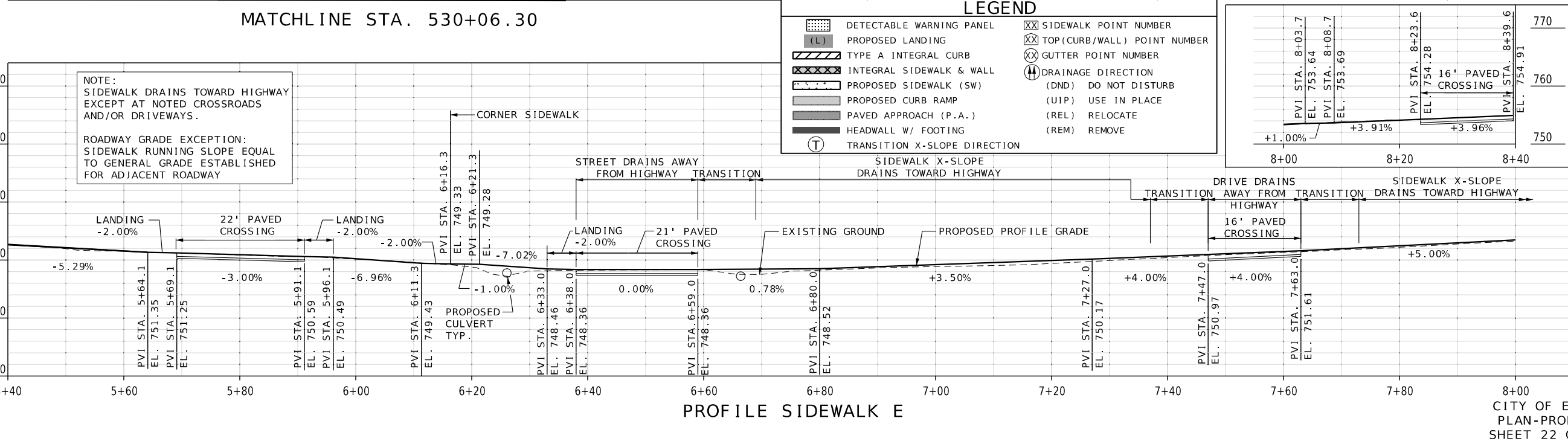
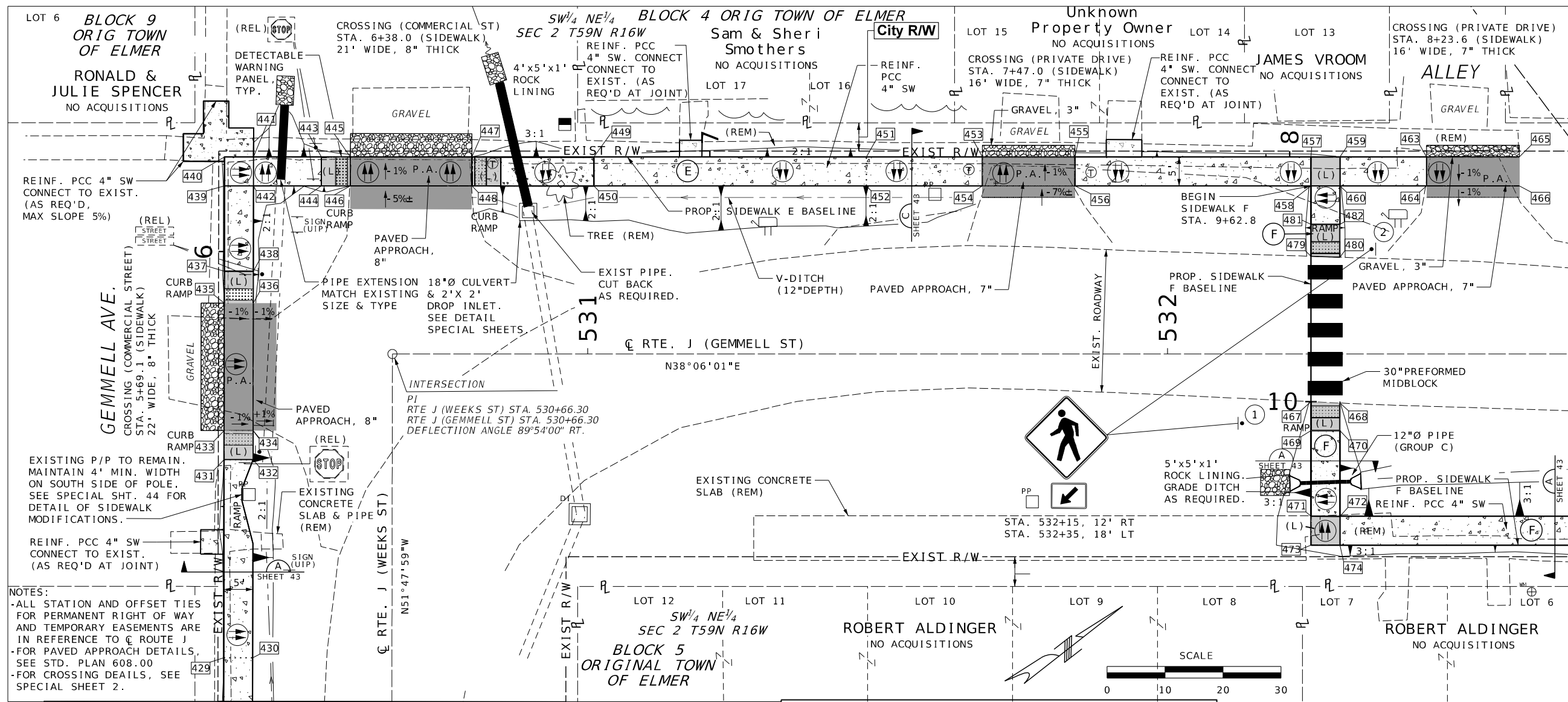
VEENSTRA & KIMM INC.
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347





CITY OF LA PLATA
PLAN-PROFILE
SHEET 19 OF 32





MATCHLINE STA. 532+70.00

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

PROFESSIONAL ENGINEER

NUMBER PE-2018000240

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE J STATE MO

DISTRICT NE SHEET NO. 25

COUNTY MACON

JOB NO. JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

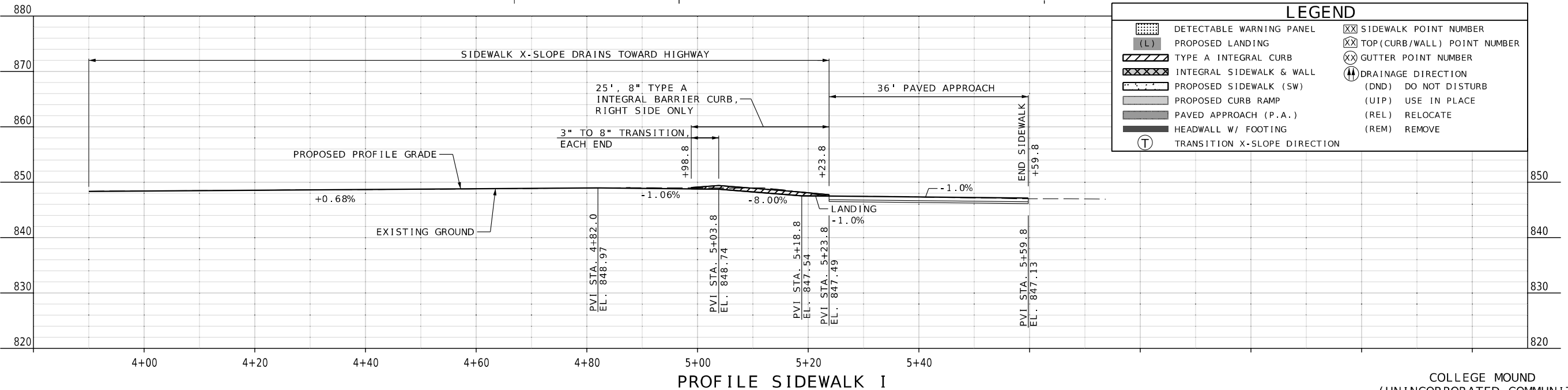
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105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

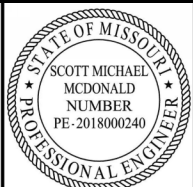
VEENSTRA & KIMM INC.

9788 N Ash Avenue Kansas City, Missouri 64157 816-781-6182 816-781-0643 (FAX) Certificate of Authority No. 200206947

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COLLEGE MOUND
(UNINCORPORATED COMMUNITY)
PLAN-PROFILE
SHEET 28 OF 32



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
C	MO

DISTRICT	SHEET NO.
NF	31

COUNTY
MACON

JOB NO.
INF0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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Department of Social Sciences

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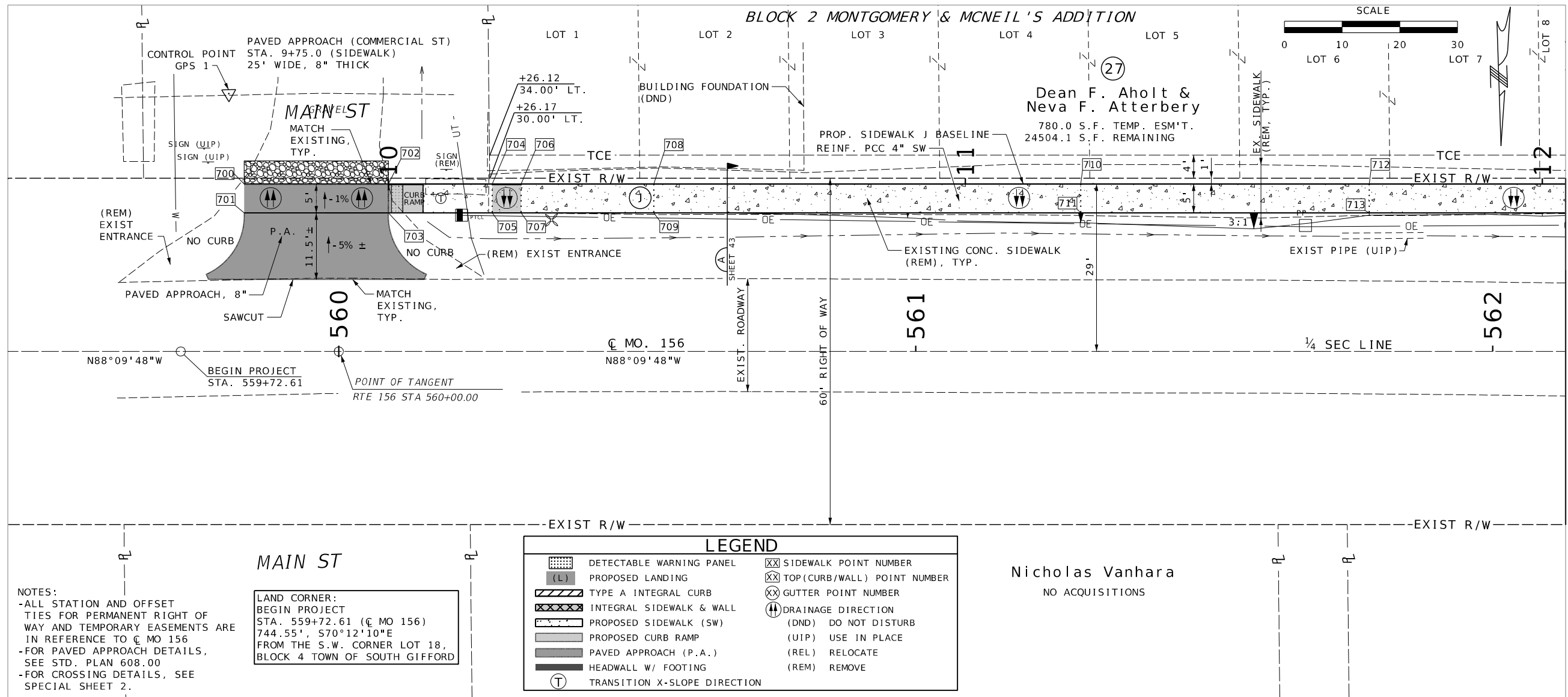


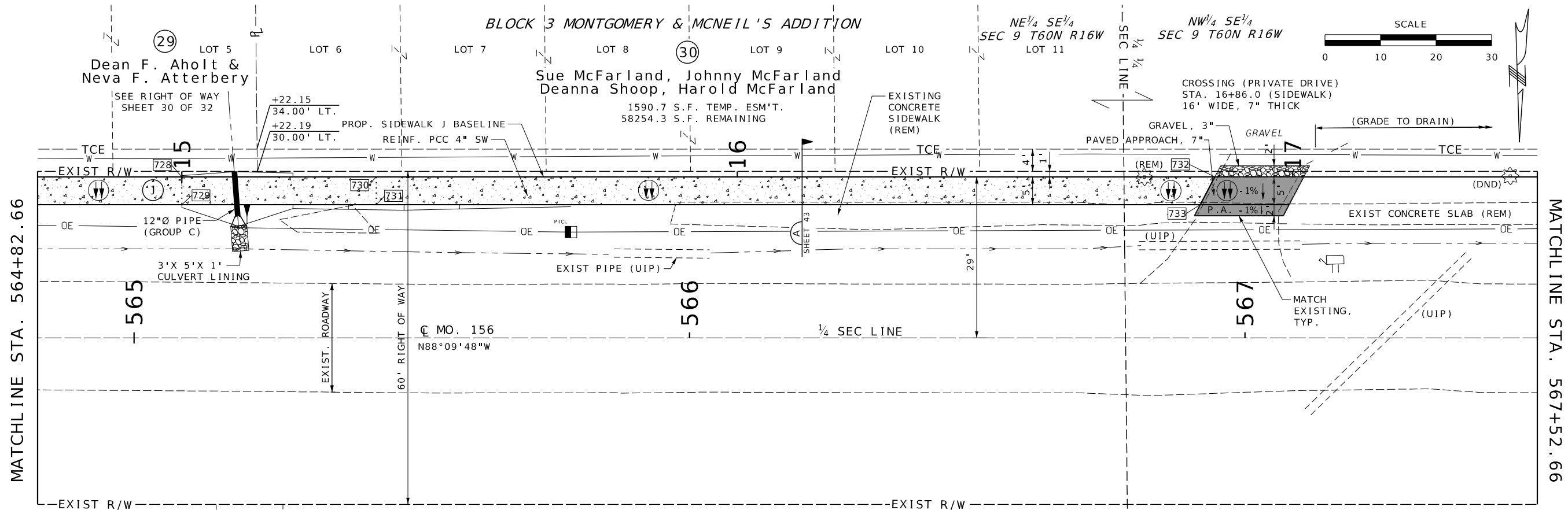
NASH
816-771-7700
Certified

9788



14 RM 3/31/2025





NOTES:
-ALL STATION AND OFFSET
TIES FOR PERMANENT RIGHT OF
WAY AND TEMPORARY EASEMENTS ARE
IN REFERENCE TO C MO 156
-FOR PAVED APPROACH DETAILS,
SEE STD. PLAN 608.00
-FOR CROSSING DETAILS, SEE
SPECIAL SHEET 2.

LEGEND			
	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK (SW)		(DND) DO NOT DISTURB
	PROPOSED CURB RAMP		(UIP) USE IN PLACE
	PAVED APPROACH (P.A.)		(REL) RELOCATE
	HEADWALL W/ FOOTING		(REM) REMOVE
	TRANSITION X-SLOPE DIRECTION		

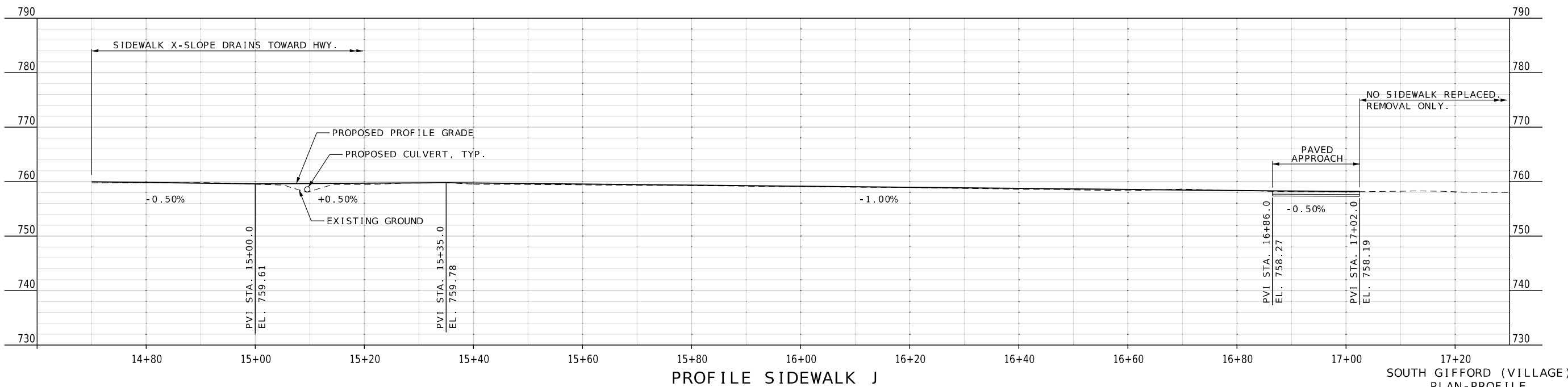
Michael & Susan
Dunsmoor
NO ACQUISITIONS

SE 1/4 NE 1/4
SEC 9 T60N R16W

SW 1/4 NE 1/4
SEC 9 T60N R16W

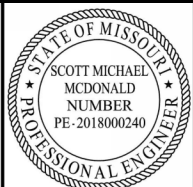
Michael & Susan
Dunsmoor
NO ACQUISITIONS

LAND CORNER TIE
S.W. CORNER LOT 18, BLOCK 4
TOWN OF SOUTH GIFFORD



PROFILE SIDEWALK J

SOUTH GIFFORD (VILLAGE)
PLAN-PROFILE
SHEET 31 OF 32



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
156	MO
DISTRICT	SHEET NO.
NE	34

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

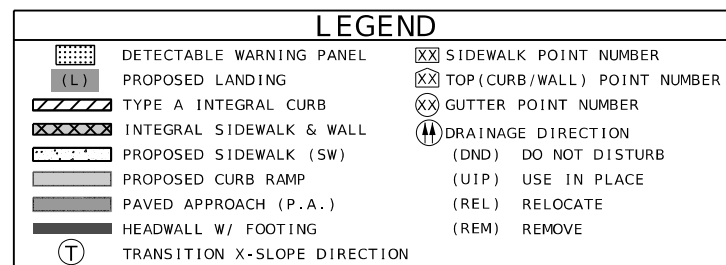
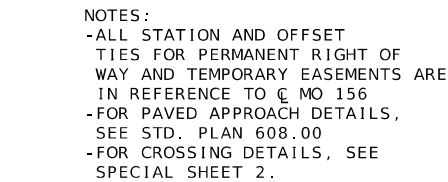
PROJECT NO.

BRIDGE NO.

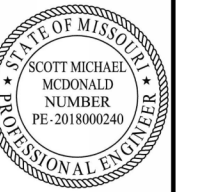
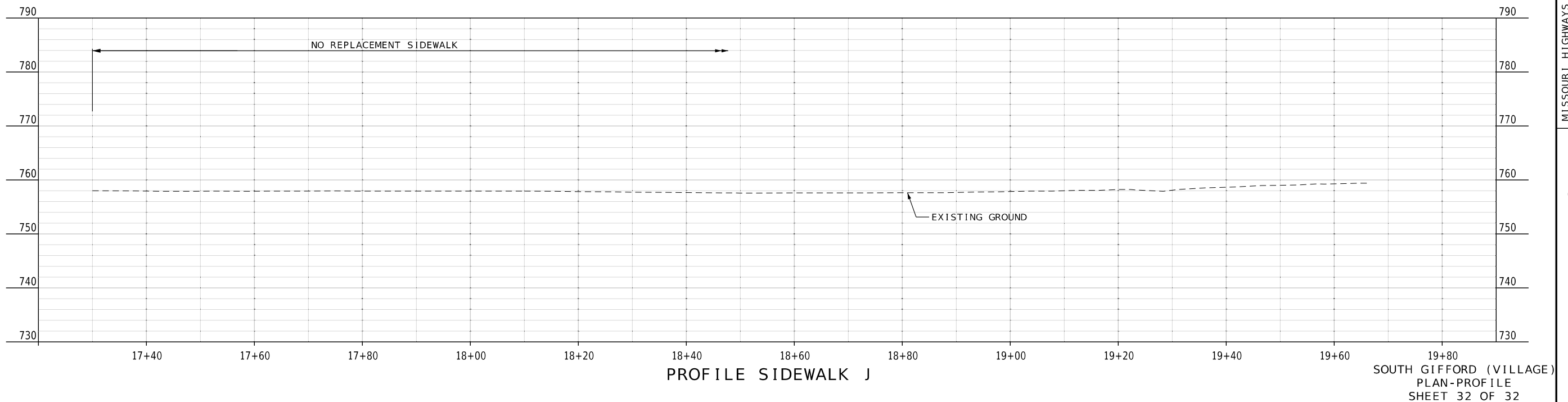
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

VEENSTRA
& KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



LAND CORNER TIE:
END PROJECT
STA. 569+27.92 (C MO 156)
END PROJECT
343.91', S49°57'21"W
FROM THE S.W. CORNER LOT 18, BLOCK 4
TOWN OF SOUTH GIFFORD



THIS SHEET HAS BEEN
GNEED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
156	MO

DISTRICT	SHEET NO.
NE	35

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.	
--------------	--

PROJECT NO.	
-------------	--

BRIDGE NO.

[illegible]

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

VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182
816-781-0643 (FAX)
Certificate of Authority No. 2002006347

		CITY OF LA PLATA	ELEV. 937.35 <
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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.	
PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	18 US
ELEVATIONS DETERMINED BY	
PROJECT PROJECTION FACTOR	1.0001070
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	
CONTROL STATION	
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.999893
EXAMPLE OF PROJECT COORDINATE TO S.P.C.	
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING EXAMPLE: CONTROL POINT #2 N 1525008.12 X 0.999893 = N 1524844.94 E 1643729.77 X 0.999893 = E 1643553.89	
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS - WEST OF BROWN STREET								
4	0+28.40	☐ MO 156	35.89' LT	1525008.12	1643729.77	939.39	CP GPS 2 - IRON ROD WITH CAP	2
13	24+22.19	☐ MO 156	30.50' RT	1525099.62	1641338.81	917.60	CP GPS 3 - IRON ROD WITH CAP	3
ALIGNMENTS - WEST OF BROWN STREET								
4	0+00.00	☐ MO 156	0.00	1525043.40	1643758.92	N/A	☐ ROADWAY - POINT ON TANGENT	N/A
6	6+31.00	☐ MO 156	0.00	1525056.83	1643128.06	N/A	☐ ROADWAY - POINT ON TANGENT	N/A
8	11+09.81	☐ MO 156	0.00	1525069.67	1642649.43	N/A	☐ ROADWAY - PC CURVE #1	N/A
8	12+09.94	☐ MO 156	0.00	1525063.63	1642549.61	N/A	☐ ROADWAY - PT CURVE #1	N/A
8	11+09.81	☐ MO 156	573.69' LT	1524496.19	1642634.04	N/A	CENTER CURVE #1	N/A
8	12+54.21	☐ MO 156	0.00	1525057.12	1642505.82	N/A	☐ ROADWAY - PC CURVE #2	N/A
9	13+48.67	☐ MO 156	0.00	1525050.95	1642411.67	N/A	☐ ROADWAY - PT CURVE #2	N/A
8	12+54.21	☐ MO 156	573.69' RT	1525624.56	1642421.38	N/A	CENTER CURVE #2	N/A
13	24+50.23	☐ MO 156	0.00	1525069.60	1641310.26	N/A	☐ ROADWAY - POINT ON TANGENT	N/A
13	26+00.00	☐ MO 156	0.00	1525073.44	1641160.54	N/A	☐ ROADWAY - POINT ON TANGENT	N/A
4	60+00.00	SIDEWALK A	0.00	1525069.78	1643741.44	940.00	BEGIN SIDEWALK A BASELINE	N/A
5	63+63.93	SIDEWALK A	0.00	1525077.53	1643377.59	941.70	POINT ON TANGENT SIDEWALK A BASELINE	N/A
5	63+82.24	SIDEWALK A	0.00	1525083.22	1643360.19	941.66	END SIDEWALK A BASELINE	N/A
8/14	80+00.00	SIDEWALK B	0.00	1525065.64	1642494.96	926.22	BEGIN SIDEWALK B BASELINE	N/A
8/14	80+07.26	SIDEWALK B	0.00	1525065.05	1642487.73	925.95	POINT ON TANGENT SIDEWALK B BASELINE	N/A
8/14	80+25.63	SIDEWALK B	0.00	1525063.82	1642469.39	925.07	POINT ON TANGENT SIDEWALK B BASELINE	N/A
8/14	80+46.74	SIDEWALK B	0.00	1525063.15	1642448.30	924.48±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	80+72.21	SIDEWALK B	0.00	1525063.15	1642422.83	923.85±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	80+96.34	SIDEWALK B	0.00	1525063.36	1642398.70	923.36±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	81+05.56	SIDEWALK B	0.00	1525063.50	1642389.48	923.17	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	81+25.15	SIDEWALK B	0.00	1525066.40	1642370.11	922.78	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	81+80.09	SIDEWALK B	0.00	1525067.75	1642315.18	921.63	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	81+98.07	SIDEWALK B	0.00	1525065.10	1642297.39	920.96±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	82+03.76	SIDEWALK B	0.00	1525065.22	1642291.71	920.84±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	82+33.44	SIDEWALK B	0.00	1525065.63	1642262.03	919.47±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	82+77.59	SIDEWALK B	0.00	1525066.65	1642217.89	917.35±	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	83+00.41	SIDEWALK B	0.00	1525067.12	1642195.07	916.21	POINT ON TANGENT SIDEWALK B BASELINE	N/A
9/14	83+17.83	SIDEWALK B	0.00	1525070.60	1642178.01	915.43	POINT ON TANGENT SIDEWALK B BASELINE	N/A
10/14	83+48.68	SIDEWALK B	0.00	1525071.12	1642147.16	914.50	END SIDEWALK B BASELINE	N/A
8	39+94.91	SIDEWALK C	0.00	1525040.14	1642669.11	932.46	BEGIN SIDEWALK C BASELINE	N/A
8	40+90.00	SIDEWALK C	0.00	1525042.60	1642574.05	929.07	PC CURVE #1 SIDEWALK C BASELINE	N/A
8	41+11.08	SIDEWALK C	0.00	1525039.90	1642553.14	928.58	PT CURVE #1 SIDEWALK C BASELINE	N/A
8	40+90.00	SIDEWALK C	549.69' LT	1524496.20	1642634.04	N/A	CENTER CURVE #1 SIDEWALK C BASELINE	N/A
8	41+55.35	SIDEWALK C	0.00	1525033.38	1642509.35	927.36	PC CURVE #2 SIDEWALK C BASELINE	N/A
9	42+53.65	SIDEWALK C	0.00	1525026.96	1642411.27	926.45	PT CURVE #2 SIDEWALK C BASELINE	N/A
8	41+55.35	SIDEWALK C	597.69' RT	1525624.56	1642421.38	N/A	CENTER CURVE #2 SIDEWALK C BASELINE	N/A
13	53+55.19	SIDEWALK C	0.00	1525045.60	1641309.88	915.92	POINT ON TANGENT SIDEWALK C BASELINE	N/A
13	54+94.82	SIDEWALK C	0.00	1525049.19	1641170.29	910.38	END SIDEWALK C BASELINE	N/A

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE 156 STATE MO

DISTRICT NE SHEET NO. 37

COUNTY MACON

JOB NO. JNE0147

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)

VEENSTRA & KIMM INC.

9788 N Ash Avenue Kansas City, Missouri 64157

816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.		
PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)	
HORIZONTAL DATUM	NAD 83	
VERTICAL DATUM	NAVD 88	
GEOID MODEL	18 US	
ELEVATIONS DETERMINED BY		
PROJECT PROJECTION FACTOR	1.0001070	
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM		
CONTROL STATION		
DESIGNATION		
CORS_ID		
PID		
LATITUDE		
LONGITUDE		
NORTHING (M)		
EASTING (M)		
ZONE	CENTRAL	
PROJECT AVERAGE GRID FACTOR	0.999893	
EXAMPLE OF PROJECT COORDINATE TO S.P.C.		
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING EXAMPLE: CONTROL POINT #1 N 1524902.98 X 0.999893 = N 1524739.82 E 1645424.79 X 0.999893 = E 1645248.73		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS - EAST OF BROWN STREET								
21	16+69.01	☒ MO 156	72.69' RT	1524902.98	1645424.79	937.35	CP GPS 1 - IRON ROD WITH CAP	1
ALIGNMENTS - EAST OF BROWN STREET								
15	0+00.00	☒ MO 156	0.00	1525043.40	1643758.92	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
20	15+00.00	☒ MO 156	0.00	1524979.68	1645257.57	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
21	17+49.16	☒ MO 156	0.00	1524973.73	1645506.66	N/A	☒ ROADWAY - PC CURVE #3	N/A
22	22+71.62	☒ MO 156	0.00	1525101.17	1646006.65	N/A	☒ ROADWAY - PT CURVE #3	N/A
21	17+49.16	☒ MO 156	955.36' LT	1525928.82	1645529.46	N/A	CENTER CURVE #3	N/A
22	27+79.74	☒ MO 156	0.00	1525354.97	1646446.84	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
15	20+00.00	SIDEWALK D	0.00	1525070.79	1643774.12	-	BEGIN SIDEWALK D BASELINE	N/A
16	22+86.02	SIDEWALK D	0.00	1525063.63	1644060.05	938.78	POINT ON TANGENT SIDEWALK D BASELINE	N/A
19	32+75.71	SIDEWALK D	0.00	1525021.59	1645048.85	935.75	POINT ON TANGENT SIDEWALK D BASELINE	N/A
20	32+94.37	SIDEWALK D	0.00	1525003.10	1645051.31	936.22	POINT ON TANGENT SIDEWALK D BASELINE	N/A
20	33+42.04	SIDEWALK D	0.00	1525001.07	1645098.94	936.30	POINT ON TANGENT SIDEWALK D BASELINE	N/A
20	33+84.47	SIDEWALK D	0.00	1525006.66	1645141.00	936.50	POINT ON TANGENT SIDEWALK D BASELINE	N/A
20	34+94.57	SIDEWALK D	0.00	1525001.98	1645251.00	937.10	POINT ON TANGENT SIDEWALK D BASELINE	N/A
20	35+09.50	SIDEWALK D	0.00	1525001.49	1645265.92	937.10	POINT ON TANGENT SIDEWALK D BASELINE	N/A
21	35+66.23	SIDEWALK D	0.00	1525000.13	1645322.64	937.33	POINT ON TANGENT SIDEWALK D BASELINE	N/A
21	35+81.23	SIDEWALK D	0.00	1524999.77	1645337.64	937.40	POINT ON TANGENT SIDEWALK D BASELINE	N/A
21	35+99.21	SIDEWALK D	0.00	1525000.34	1645355.60	937.46	POINT ON TANGENT SIDEWALK D BASELINE	N/A
21	36+11.21	SIDEWALK D	0.00	1525000.06	1645367.60	937.35	POINT ON TANGENT SIDEWALK D BASELINE	N/A
22	38+82.71	SIDEWALK D	0.00	1524993.58	1645639.02	934.24	POINT ON TANGENT SIDEWALK D BASELINE	N/A
22	39+00.37	SIDEWALK D	0.00	1524995.93	1645656.52	934.24	END SIDEWALK D BASELINE	N/A

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE 156

STATE MO

DISTRICT NE

SHEET NO. 38

COUNTY MACON

JOB NO. JNE0147

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)

VEENSTRA & KIMM INC.

9788 N Ash Avenue Kansas City, Missouri 64157

816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347

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PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)	
HORIZONTAL DATUM	NAD 83	
VERTICAL DATUM	NAVD 88	
GEOID MODEL	18 US	
ELEVATIONS DETERMINED BY		
PROJECT PROJECTION FACTOR	1.00009623630279	
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM		
CONTROL STATION		
DESIGNATION		
CORS_ID		
PID		
LATITUDE		
LONGITUDE		
NORTHING (M)		
EASTING (M)		
ZONE	CENTRAL	
PROJECT AVERAGE GRID FACTOR	0.99903763697206	
EXAMPLE OF PROJECT COORDINATE TO S.P.C.		
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING		
EXAMPLE: CONTROL POINT #1 N 1500944.76 X 0.99903764 = N 1499500.31 E 1598849.20 X 0.99903764 = E 1597310.53		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.	
PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	18 US
ELEVATIONS DETERMINED BY	
PROJECT PROJECTION FACTOR	1.000096450592
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	
CONTROL STATION	
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.999903534949408
EXAMPLE OF PROJECT COORDINATE TO S.P.C.	
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING EXAMPLE: CONTROL POINT #1 N 1478981.14 X 0.99990353 = N 1478838.46 E 1572938.65 X 0.99990353 = E 1572786.91	
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
27	531+48.56	☒ MO 149	21.19' RT	1478981.11	1572938.65	852.38	CP GPS 1 - 5/8" REBAR WITH CAP	1
28	522+28.31	☒ MO 149	17.82' RT	1479230.15	1573824.50	843.49	CP GPS 2 - 5/8" REBAR WITH CAP	2
ALIGNMENTS								
27	521+98.00	☒ MO 149	0.00	1479221.34	1573858.54	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
28	529+35.70	☒ MO 149	0.00	1479018.57	1573149.26	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
28	537+74.66	☒ MO 149	0.00	1478790.55	1572341.89	N/A	☒ ROADWAY - POINT ON TANGENT	N/A
27	0+00.00	SIDEWALK G1	0.00	1479109.83	1573606.73	839.20	BEGIN SIDEWALK G1 BASELINE	N/A
27	0+09.52	SIDEWALK G1	0.00	1479107.22	1573597.57	839.14	POINT ON TANGENT SIDEWALK G1 BASELINE	N/A
27	0+35.19	SIDEWALK G1	0.00	1479115.91	1573573.42	838.99	POINT ON TANGENT SIDEWALK G1 BASELINE	N/A
27	0+54.63	SIDEWALK G1	0.00	1479110.57	1573554.73	838.79	POINT ON TANGENT SIDEWALK G1 BASELINE	N/A
27	0+66.52	SIDEWALK G1	0.00	1479122.02	1573551.46	839.19	END SIDEWALK G1 BASELINE	N/A
27	5+00.00	SIDEWALK G2	0.00	1479144.09	1573550.35	839.64	BEGIN SIDEWALK G2 BASELINE	N/A
27	5+05.75	SIDEWALK G2	0.00	1479149.62	1573548.77	839.58	POINT ON TANGENT SIDEWALK G2 BASELINE	N/A
27	5+17.62	SIDEWALK G2	-	1479146.36	1573537.36	839.43	P.I. CURVE #1 SIDEWALK G2 BASELINE	N/A
27	5+38.30	SIDEWALK G2	-	1479152.74	1573517.58	839.62	P.I. CURVE #2 SIDEWALK G2 BASELINE	N/A
27	5+44.57	SIDEWALK G2	0.00	1479159.00	1573515.79	839.68	POINT ON TANGENT SIDEWALK G2 BASELINE	N/A
27	5+75.54	SIDEWALK G2	0.00	1479150.49	1573486.01	839.52	POINT ON TANGENT SIDEWALK G2 BASELINE	N/A
27	5+86.13	SIDEWALK G2	0.00	1479153.17	1573475.76	839.68	END SIDEWALK G2 BASELINE	N/A
28	10+00.00	SIDEWALK H	0.00	1479057.28	1573182.05	851.44	BEGIN SIDEWALK H BASELINE	N/A
28	10+93.05	SIDEWALK H	0.00	1479031.71	1573092.59	853.62	POINT ON TANGENT SIDEWALK H BASELINE	N/A
28	11+55.70	SIDEWALK H	0.00	1478971.46	1573109.81	851.04±	END SIDEWALK H BASELINE	N/A

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE 149

STATE MO

DISTRICT NE

SHEET NO. 40

COUNTY MACON

JOB NO. JNE0147

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)

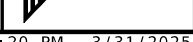
VEENSTRA & KIMM INC.

9788 N Ash Avenue Kansas City, Missouri 64157 816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347

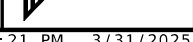
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PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)	
HORIZONTAL DATUM	NAD 83	
VERTICAL DATUM	NAVD 88	
GEOID MODEL	18 US	
ELEVATIONS DETERMINED BY		
PROJECT PROJECTION FACTOR	1.00010161477953	
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM		
CONTROL STATION		
DESIGNATION		
CORS_ID		
PID		
LATITUDE		
LONGITUDE		
NORTHING (M)		
EASTING (M)		
ZONE	CENTRAL	
PROJECT AVERAGE GRID FACTOR	0.999898385220465	
EXAMPLE OF PROJECT COORDINATE TO S.P.C.		
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING		
EXAMPLE: CONTROL POINT #1 N 1380037.43 X 0.99989839 = N 1379897.20 E 1620058.31 X 0.99989839 = E 1619893.70		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

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PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)	
HORIZONTAL DATUM	NAD 83	
VERTICAL DATUM	NAVD 88	
GEOID MODEL	18 US	
ELEVATIONS DETERMINED BY		
PROJECT PROJECTION FACTOR	1.00009581249115	
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM		
CONTROL STATION		
DESIGNATION		
CORS_ID		
PID		
LATITUDE		
LONGITUDE		
NORTHING (M)		
EASTING (M)		
ZONE	CENTRAL	
PROJECT AVERAGE GRID FACTOR	0.999904187508851	
EXAMPLE OF PROJECT COORDINATE TO S.P.C.		
PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING		
EXAMPLE: CONTROL POINT #1 N 1526684.01 X 0.99990419 = N 1526537.74 E 1589720.37 X 0.99990419 = E 1589568.06		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

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BILL OF REINFORCING - SIDEWALL (LAPLATA SIDEWALK 'C')									
NO. REQ.	SIZE / MARK	LOCATION	SHAPE	DIMENSIONS			NOM. LENGTH FT IN.	ACTUAL LENGTH FT IN.	WEIGHT LB
				B	C	D			
				FT IN.	FT IN.	FT IN.			
24	4	WALL	20	35 0.000			35 0	35 0	561
96	6	24" WALL HT.	19	2 4.000	5 4.500		7 9	7 9	1105
50	6	18"AVG. WALL HT.	19	1 10.00	5 4.500		7 3	7 3	538
48	6	12" WALL HT.	19	1 4.000	5 4.500		6 9	6 9	481
25	6	9" AVG. WALL HT.	19	13.00	5 4.500		6 6	6 6	241
24	4	WALL CORNERS @ STAIRS	10		3 0.000	3 0.000	6 0	5 11	95
TOTAL									3021
NOTE: (SHAPE 19) FIELD CUT VERTICAL LEG AS REQUIRED AT WALL HEIGHT TRANSITIONS									

SHAPE 20: A simple rectangle with width B .

SHAPE 19: An L-shaped profile with a vertical leg of height B and a horizontal leg of width C .

SHAPE 10: An inverted L-shaped profile with a vertical leg of height D and a horizontal leg of width C .

BILL OF REINFORCING - SIDEWALL (ETHEL SIDEWALK 'G2')														
NO. REQ.	SIZE/ MARK	LOCATION	SHAPE	DIMENSIONS			NOM. LENGTH	ACTUAL LENGTH	WEIGHT					
				B	C	D								
				FT	IN.	FT	IN.	FT	IN.	FT	IN.	LB		
3	4	WALL	20	5	5.000			5	5	11				
3	4	WALL	20	3	9.000			3	9	3	9	8		
10	6	WALL	19	1	4.000	5	4.500	6	9	6	8	100		
3	4	WALL CORNER	10			3	0.000	3	0.000	6	0	5	11	8
										TOTAL	127			
NOTE: (SHAPE 19) FIELD CUT VERTICAL LEG AS REQUIRED AT WALL HEIGHT TRANSITIONS														

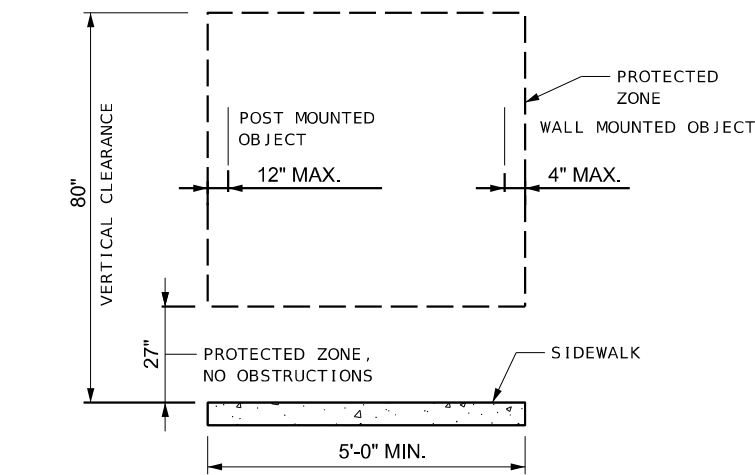
SHAPE 20

SHAPE 19

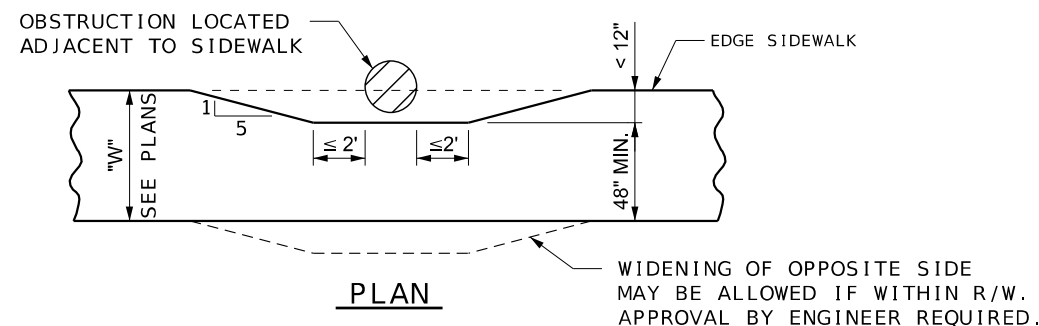
SHAPE 10

MISC. DETAILS

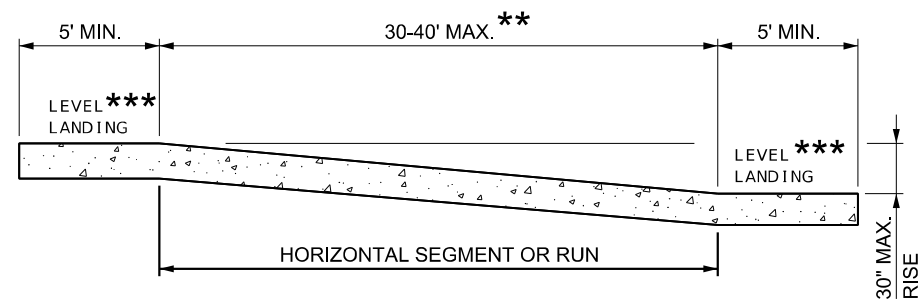
SPECIAL SHEETS
SHEET 1 OF 15



HORIZONTAL/VERTICAL OBSTRUCTION LIMITS



SIDEWALK MODIFICATION AT UTILITY POLE OR RISER OBSTRUCTIONS



SIDEWALK RAMP W/ LANDINGS

**** RUNNING SLOPE:**
6.25% TO 8.33% - USE 30' MAX.
5.00% TO 6.25% - USE 40' MAX.

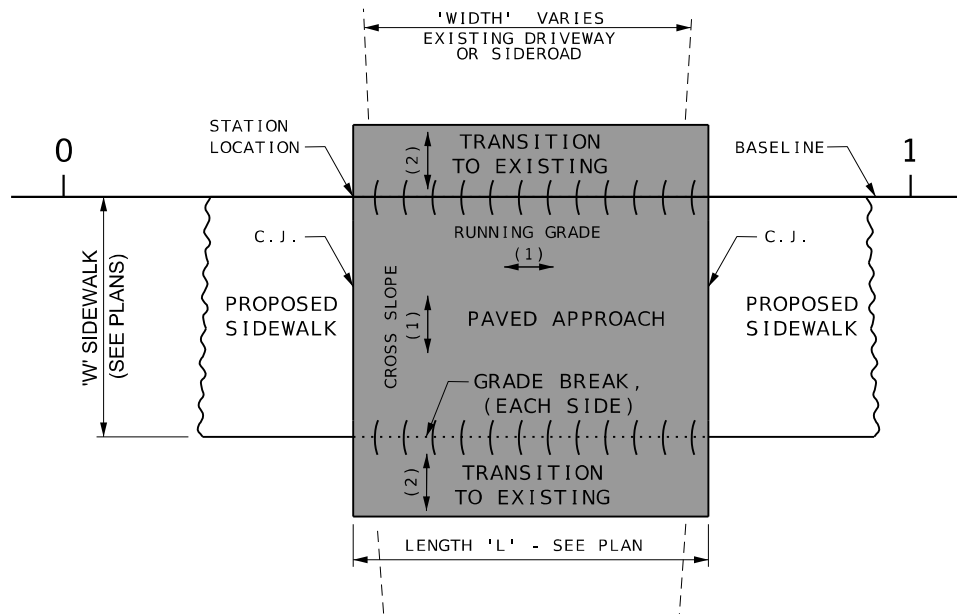
***** LEVEL LANDING:**
IMPLIES A RUNNING SLOPE OF 1 TO 2% (MIN./MAX.)

NOTES - CONCRETE CROSSING THRU SIDEWALK:

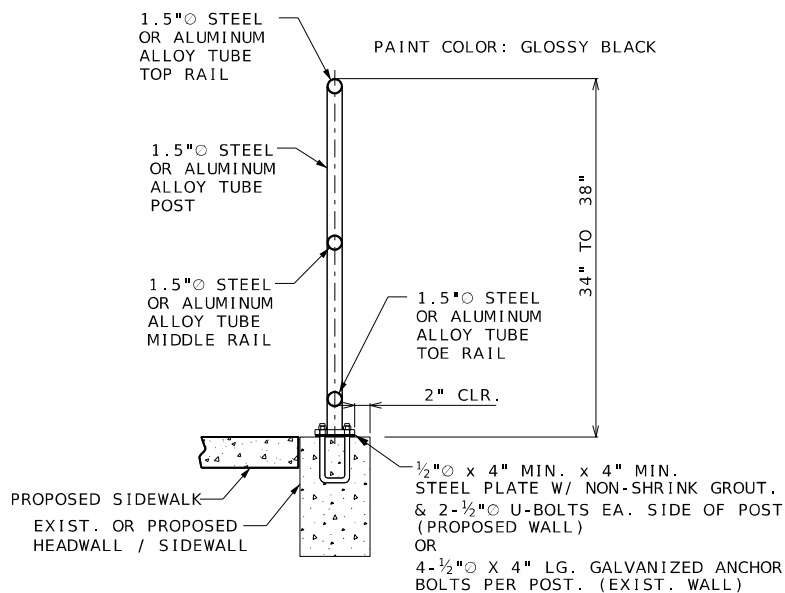
CONCRETE THICKNESS - 7" FOR PRIVATE DRIVES;
8" FOR COMMERCIAL DRIVE OR STREET.
NO REINFORCING REQUIRED.
PAY ITEM: PAVED APPROACH 7" OR PAVED APPROACH 8".
CONSTRUCTION JOINT (C.J.): LOCATE AS SHOWN.

CONCRETE MIX SHALL BE AS SPECIFIED IN THE SPECIFICATIONS.
MACRO-SYNTHETIC FIBERS SHALL BE UTILIZED WITHIN CONCRETE.

- (1) CROSS SLOPE: -1.0% PROPOSED (MIN.), -2.0% MAX.
RUNNING GRADE: SEE PROFILE SHEET.
- (2) TRANSITION WIDTH TO EXISTING, FIELD DETERMINE AS REQ'D.
2 FT. ESTIMATED FOR DRIVEWAYS.
4 FT. ESTIMATED FOR SIDE ROADS.
ESTIMATED SLOPE SHOWN ON PLANS.
WIDER LENGTHS TO BE APPROVED BY ENGINEER.



DRIVEWAY / STREET CONCRETE CROSSING DETAIL



HANDRAILING

SIDEWALK & CROSSING DETAILS

NOT TO SCALE: FOLLOW DIMENSIONS

GENERAL NOTES:

PEDESTRIAN ACCESS ROUTE:
ALL AREAS OF THE PEDESTRIAN ACCESS ROUTE MUST BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT - GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS OF WAY. EXCEPTIONS MUST BE APPROVED BY THE ENGINEER. ALL OTHER AREAS OF NON-COMPLIANCE SHALL BE REMOVED AND CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE SURFACES OF PEDESTRIAN ACCESS ROUTES AND ELEMENTS, AND SPACES REQUIRED TO CONNECT TO PEDESTRIAN ACCESS ROUTES, SHALL BE FIRM, STABLE, SLIP RESISTANT, AND SHALL NOT POND WATER.

WHERE PEDESTRIAN ACCESS ROUTES ARE CONTAINED WITHIN PEDESTRIAN STREET CROSSINGS WITHOUT YIELD OR STOP CONTROL, THE CROSS SLOPE OF THE PEDESTRIAN ACCESS ROUTE SHALL BE 5.00% MAXIMUM.

WHERE PEDESTRIAN ACCESS ROUTES ARE CONTAINED WITHIN MIDBLOCK PEDESTRIAN STREET CROSSINGS, THE CROSS SLOPE OF THE PEDESTRIAN ACCESS ROUTE SHALL BE PERMITTED TO EQUAL THE STREET OR HIGHWAY GRADE.

SIDEWALK, RAMP AND LANDING CROSS SLOPES SHALL BE -1.0% MIN. TO FACILITATE DRAINAGE (-2.0% MAX.).

STORMWATER INLETS, SIGNS, POSTS, MANHOLE COVERS, PULL BOXES AND OTHER ACCESS LIDS SHOULD BE AVOIDED WITHIN THE SIDEWALK. IF SUCH A LOCATION IS NECESSARY, THE FEATURE MUST MEET ADA STANDARDS.

SIDE FLARES OF CURB RAMPS, IN THE PATH OF PEDESTRIAN TRAVEL (TRAVERSABLE), SHALL NOT EXCEED A SLOPE OF 1V:10H. SIDE FLARES OUTSIDE THE PEDESTRIAN PATH (NONTRAVERSABLE) MAY BE VERTICAL.

TRANSITION FROM SIDEWALK OR CURB RAMP TO GUTTER TO ROADWAY SHALL BE FLUSH.

TRUNCATED DOMES:
DETECTABLE WARNING SURFACES (TRUNCATED DOMES) SHALL BE PREFORMED AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. STAMPED CONCRETE WILL NOT BE ACCEPTED.

THE DETECTABLE WARNING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. TRUNCATED DOMES SHALL SPAN THE FULL WIDTH OF THE RAMP OR LANDING AND 24" DEEP, MIN.

DETECTABLE WARNING SURFACES SHALL BE ALIGNED PERPENDICULAR OR RADIAL TO THE BREAK BETWEEN THE RAMP, LANDING OR BLENDED TRANSITION, AND THE STREET.

WHERE THE BOTTOM GRADE BREAK OF A CURB RAMP IS LESS THAN 5' FROM THE BACK OF CURB, DETECTABLE WARNINGS SHALL BE LOCATED AT THE BOTTOM OF THE RAMP SURFACE AND 6" MIN. FROM THE BACK OF THE CURB. WHERE THE GRADE BREAK IS GREATER THAN 5' FROM THE BACK OF CURB, THE DETECTABLE WARNING SHALL BE LOCATED ON THE LOWER LANDING.

THERE WILL BE NO DIRECT PAYMENT FOR SAWCUTS.

THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION OF ANY RAMP OR SIDEWALK. ANY ADJUSTMENTS NECESSARY TO MEET EXISTING FIELD CONDITIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

THE CURB RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. SEE STANDARD PLANS 608.10, 608.50 AND 609.00 FOR ADDITIONAL RAMP AND SIDEWALK INFORMATION.

ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.

FOR ADDITIONAL DETAILS OF CURB RAMPS, SEE STANDARD PLAN 608.50.

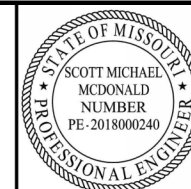
FOR ADDITIONAL DETAILS OF CONCRETE CURB AND GUTTER, SEE STANDARD PLAN 609.00.

SIDEWALKS:
FOR ADDITIONAL DETAILS REGARDING HANDRAILING FOR SIDEWALK, SEE STANDARD PLAN 609.40. HANDRAILING SHALL BE PROVIDED ON BOTH SIDES OF THE SIDEWALK. PROVIDE AN ADDITIONAL 6" SIDEWALK WIDTH AT RAILING LOCATIONS (EACH SIDE).

REINFORCING STEEL:
ALL COSTS FOR REINFORCING STEEL INSTALLATION AND FABRICATION SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE BID PRICE FOR EACH CONCRETE PAY ITEM. NO DIRECT PAY.

MISC. DETAILS

**SPECIAL SHEETS
SHEET 2 OF 15**



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE
VAR

STATE
MO

DISTRICT
NE

SHEET NO.
44

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

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LA PLATA			
POINT	SIDEWALK 'A' (STA.)	OFFSET	ELEVATION
18	60+47.0	5.0' LT	940.37'
19	60+47.0	0	940.42'
20	60+80.0	5.0' LT	940.20'
21	60+80.0	0	940.25'
22	61+10.0	5.0' LT	940.11'
23	61+10.0	0	940.16'
24	61+48.0	5.0' LT	940.26'
25	61+48.0	0	940.31'
26	61+62.0	5.0' LT	940.26'
27	61+62.0	0	940.31'
28	61+67.6	5.0' LT	940.29'
29	61+67.6	0	940.34'
30	61+78.6	5.0' LT	940.34'
31	61+78.6	0	940.39'
32	61+99.0	5.0' LT	940.34'
33	61+99.0	0	940.39'
34	62+22.0	5.0' LT	940.55'
35	62+22.0	0	940.60'
36	62+34.0	5.0' LT	940.55'
37	62+34.0	0	940.60'
38	63+15.0	5.0' LT	940.87'
39	63+15.0	0	940.92'
40	63+30.9	5.0' LT	941.35'
41	63+34.0	0	941.49'
42	63+59.4	5.0' LT	941.72'
43	63+57.6	0	941.66'
44	CORNER	-	941.75'
45	63+63.9	0	941.70'
46	63+70.0	5.0' LT	941.79'
47	63+70.0	0	941.74'
48	END	MATCH	941.71'±
49	63+82.2	0	941.66'±

LA PLATA			
POINT	SIDEWALK 'B' (STA.)	OFFSET	ELEVATION
83	80+62.0	6.0' RT	924.12'
84	81+05.6	0	923.17'
85	81+05.6	6.0' RT	923.23'
86	81+25.8	0	922.77'
87	81+25.8	6.0' RT	922.83'
88	81+79.6	0	921.65'
89	81+79.6	6.0' RT	921.71'
90	81+98.1	0	921.00'±
91	81+98.1	6.0' RT	921.10'±
92	83+00.4	0	916.21'
93	83+00.4	6.0' RT	916.27'
98	80+62.0	0	924.06'

LA PLATA			
POINT	SIDEWALK 'C' (STA.)	OFFSET	ELEVATION
100	39+94.9	0	932.47'
101	39+94.9	5.0' RT	932.42'
102	40+00.0	5.0' RT	932.38'
103	40+00.0	0	932.43'
104	40+34.7	0	930.70'
105	40+34.7	5.0' RT	930.65'
106	40+42.7	0	930.70'
107	40+42.7	5.0' RT	930.65'
108	-	-	-
109	-	-	-
110	-	-	-
111	40+90.0	0	929.08'
112	CORNER	-	929.03'
113	41+00.0	0	928.94'
114	41+00.0	5.0' RT	928.89'
115	41+36.9	0	927.75'
116	41+35.9	5.0' RT	927.73'
117	41+58.6	0	927.29'
118	41+59.0	5.0' RT	927.24'
119	-	-	-
120	-	-	-
121	42+20.0	0	926.89'
122	42+20.0	5.0' RT	926.84'
123	42+60.0	0	926.37'
124	42+60.0	5.0' RT	926.32'
125	43+27.5	0	925.02'
126	43+27.5	5.0' RT	924.97'
127	43+60.0	0	923.80'
128	43+60.0	5.0' RT	923.75'
129	45+32.0	0	915.20'
130	45+31.3	5.0' RT	915.29'
131	45+48.0	0	914.83'
132	45+48.7	5.0' RT	914.85'
133	46+00.0	0	912.25'
134	46+00.0	5.0' RT	912.20'
135	46+40.7	0	911.23'
136	46+40.7	5.0' RT	911.28'
137	46+52.7	0	911.23'
138	46+52.7	5.0' RT	911.28'
139	46+91.0	0	910.08'
140	46+91.0	5.0' RT	910.03'
141	47+90.0	0	910.27'
142	47+90.0	5.0' RT	910.22'
143	48+60.0	0	910.27'
144	48+60.0	5.0' RT	910.22'
145	49+15.0	0	909.50'
146	49+15.0	5.0' RT	909.45'
147	49+26.0	0	909.91'
148	49+24.9	5.0' RT	909.92'
149	49+40.5	0	910.20'
150	49+41.5	5.0' RT	910.27'
151	50+00.0	0	911.60'
152	50+00.0	5.0' RT	911.55'
153	50+79.0	0	911.60'
154	50+79.0	5.0' RT	911.55'
155	50+95.0	0	911.37'
156	50+95.0	5.0' RT	911.42'
157	51+10.0	0	911.22'
158	51+10.0	5.0' RT	911.27'
159	51+40.0	0	910.91'
160	51+40.0	5.0' RT	910.86'
161	51+66.8	0	911.04'
162	51+66.8	5.0' RT	910.99'
163	51+81.4	0	911.77'
164	51+81.4	5.0' RT	911.72'
165	52+07.4	0	912.28'
166	52+07.4	5.0' RT	912.23'
167	52+23.0	0	912.28'
168	52+23.0	5.0' RT	912.23'
169	52+54.5	0	913.23'
170	52+54.5	5.0' RT	913.18'
171	52+97.0	0	915.35'
172	52+97.0	5.0' RT	915.30'
173	53+30.0	0	916.35'
174	53+30.0	5.0' RT	916.30'
175	53+70.0	0	915.66'

LA PLATA			
POINT	SIDEWALK 'C' (STA.)	OFFSET	ELEVATION
176	53+70.0	5.0' RT	915.61'
177	53+87.2	0	914.80'
178	53+87.2	5.0' RT	914.75'
179	53+99.2	0	914.80'
180	53+99.2	5.0' RT	914.75'
181	54+13.8	0	914.26'
182	54+13.8	5.0' RT	914.21'
183	54+30.0	0	913.46'
184	54+30.0	5.0' RT	913.41'
185	54+89.6	0	910.48'
186	54+89.6	5.0' RT	910.43'
187	54+94.8	0	910.38'
188	45+60.0	0	914.23'
189	45+60.0	5.0' RT	914.18'
190	45+25.0	0	915.55'
191	45+25.0	5.0' RT	915.50'
192	46+30.0	0	911.50'
193	46+30.0	5.0' RT	911.45'
194	49+50.0	0	910.42'
195	49+50.0	5.0' RT	910.37'

LA PLATA			
POINT	SIDEWALK 'D' (STA.)	OFFSET	ELEVATION
207	20+73.0	0	939.69'
208	20+73.0	5.0' RT	939.64'
209	20+90.0	0	939.55'
210	20+90.0	5.0' RT	939.50'
211	21+22.0	0	939.45'
212	21+22.0	5.0' RT	939.40'
213	21+50.0	0	939.40'
214	21+50.0	5.0' RT	939.35'
215	21+70.0	0	939.54'
216	21+70.0	5.0' RT	939.49'
217	21+90.0	0	939.25'
218	21+90.0	5.0' RT	939.20'
219	22+00.0	0	937.97'
220	22+00.0	5.0' RT	937.92'
221	22+24.0	0	939.18'
222	22+24.0	5.0' RT	939.13'
223	22+40.0	0	938.85'
224	22+40.0	5.0' RT	938.80'
225	22+70.0	0	939.05'
226	22+70.0	5.0' RT	939.00'
227	23+02.6	0	938.50'
228	23+02.6	5.0' RT	938.45'
229	23+47.0	0	938.26'
230	23+47.0	5.0' RT	938.21'
231	23+74.1	0	938.53'
232	23+73.7	5.0' RT	938.58'
233	23+93.6	0	938.30'
234	23+94.0	5.0' RT	938.34'
235	24+10.0	0	937.90'
236	24+10.0	5.0' RT	937.85'
237	24+35.0	0	938.01'
238	24+35.0	5.0' RT	937.96'
239	25+31.0	0	938.11'
240	25+31.0	5.0' RT	938.06'
241	25+52.6	0	937.83'
242	25+52.6	5.0' RT	937.78'
243	25+74.0	0	937.58'
244	25+74.0	5.0' RT	937.53'
245	25+83.7	0	937.50'
246	25+83.7	5.0' RT	937.45'
247	26+03.7	0	937.64'
248	26+03.7	5.0' RT	937.59'
249	26+41.8	0	937.43'
250	26+41.8	5.0' RT	937.38'
251	26+52.8	0	937.37'

CITY OF LA PLATA

SPECIAL SHEETS
SHEET 3 OF 15



THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025
ROUTE **156** STATE **MO**
DISTRICT **NE** SHEET NO. **45**

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

PROJECT NO.

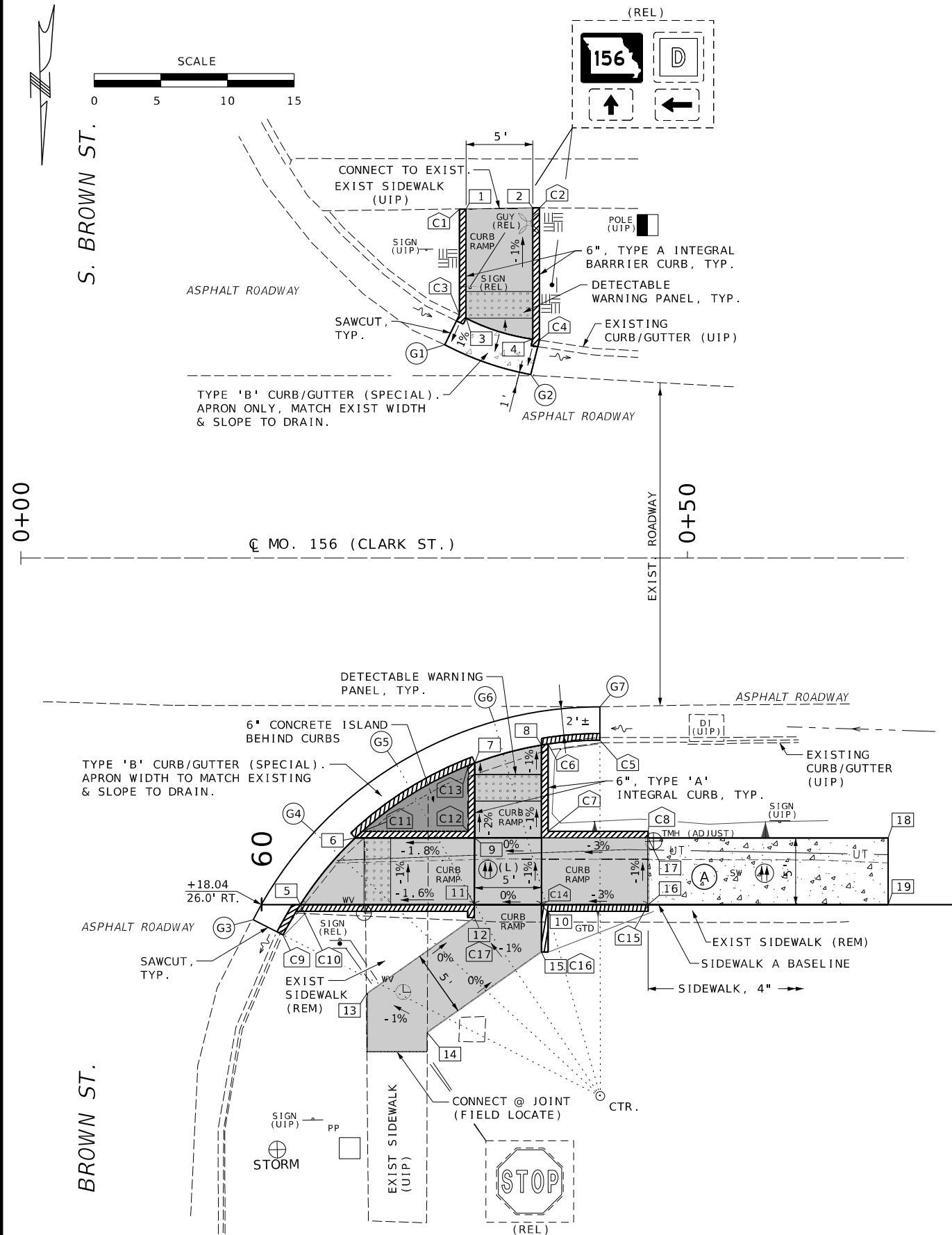
BRIDGE NO.

DESCRIPTION	DATE					

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

**VEENSTRA
& KIMM INC.**
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



LEGEND			
	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK	(DND)	DO NOT DISTURB
	PAVED APPROACH	(UIP)	USE IN PLACE
	HEADWALL W/ FOOTING	(REL)	RELOCATE
	TRANSITION X-SLOPE DIRECTION	(REM)	REMOVE

- GENERAL NOTES:
- EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2023). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS HAVE NOT CHANGED PRIOR TO ANY CONSTRUCTION. ADJUSTMENTS NECESSARY TO MATCH CURRENT EXISTING FIELD CONDITIONS MAY BE MADE AFTER DISCUSSIONS AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - SIDEWALK CROSS SLOPE = -1.0% (VARIANCE 1% ±).
 - THE CURBS, HEADWALLS, RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. SEE DETAILS SHOWN ON THE SPECIAL SHEETS AND STANDARD PLAN 608.00, 608.30 & 608.50 FOR ADDITIONAL INFORMATION.
 - ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED. SEE REMOVAL SCHEDULE FOR LOCATIONS.
 - STATIONING SHOWN IS ALONG CENTERLINE HIGHWAY.

SIDEWALK / ISLAND			
POINT	ROADWAY STATION	OFFSET	ELEVATION
1	0+33.4	26.2' LT	⊕
2	0+38.4	26.2' LT	⊕
3	0+33.4	18.0' LT	940.10
4	0+38.4	16.4' LT	940.10
5	0+21.0	26.0' RT	939.84
6	0+25.1	21.0' RT	939.88
7	0+34.0	15.4' RT	939.94
8	0+39.0	14.0' RT	939.97
9	0+34.0	21.0' RT	940.04
10	0+39.0	26.0' RT	940.09
11	0+34.0	26.0' RT	940.09
12	0+34.0	27.0' RT	940.09
13	0+25.9	32.7' RT	940.09
14	0+30.5	35.6' RT	940.14
15	0+39.0	29.5' RT	940.14
16	0+47.0	26.0' RT	940.33
17	0+47.0	21.0' RT	940.28

⊕ - MATCH EXISTING

EDGE / GUTTER			
POINT	ROADWAY STATION	OFFSET	ELEVATION
G1	0+31.8	16.0' LT	940.0±
G2	0+38.2	13.7' LT	940.0±
G3	0+17.4	27.1' RT	940.0±
G4	0+22.0	20.6' RT	940.0±
G5	0+28.2	15.5' RT	940.1±
G6	0+35.5	12.3' RT	940.2±
G7	0+43.4	11.2' RT	940.2±

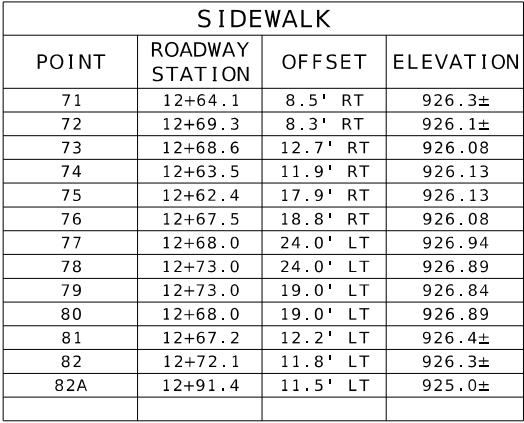
TOP CURB		
POINT	ELEVATION	CURB HEIGHT
C1	940.0±	0"
C2	940.0±	0"
C3	940.6±	6"
C4	940.6±	6"
C5	940.5±	6"
C6	940.5±	6"
C7	940.5±	6"
C8	940.3±	0"
C9	940.3±	6"
C10	940.3±	6"
C11	940.4±	6"
C12	940.5±	6"
C13	940.4±	6"
C14	940.6±	6"
C15	940.3±	0"
C16	940.2±	0"
C17	940.1±	0"

CITY OF LA PLATA
SPECIAL SHEETS
SHEET 5 OF 15

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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

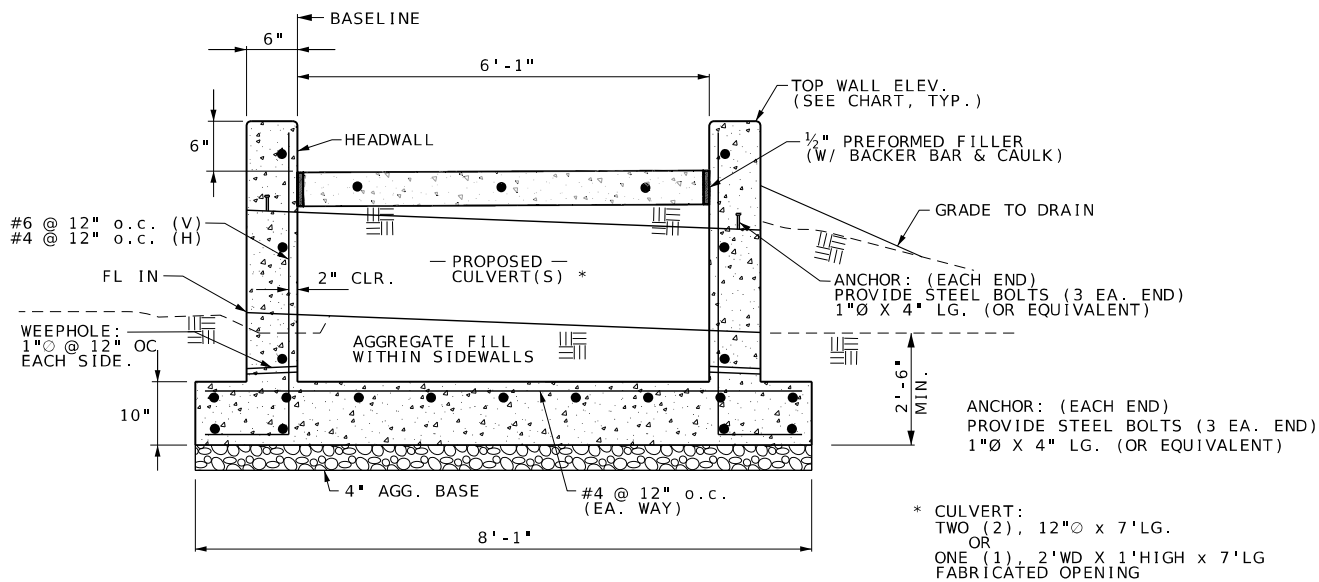
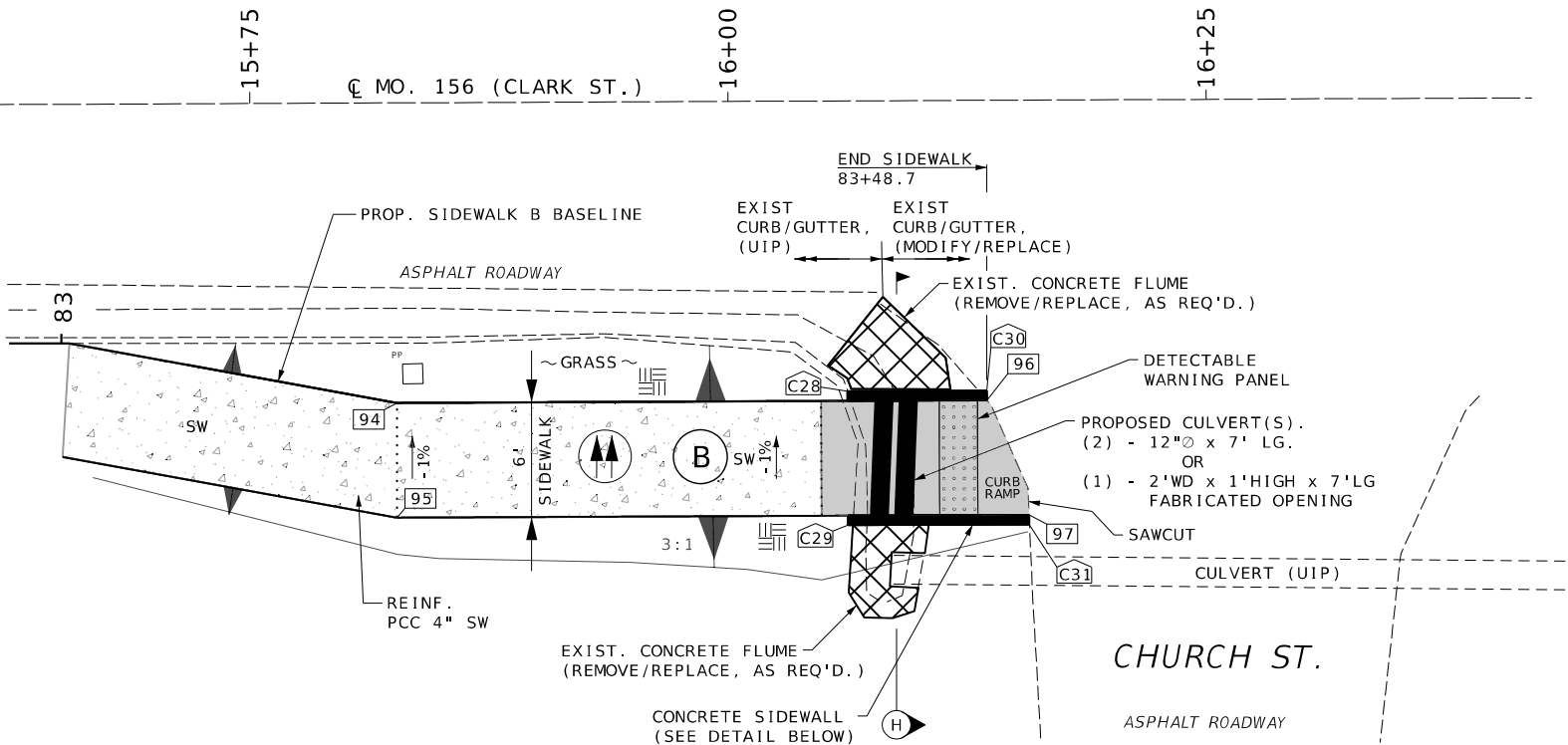
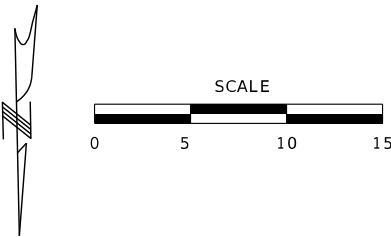


TOP CURB		
POINT	ELEVATION	CURB HEIGHT
C25	926.1±	0"
C26	926.08	0"
C27	925.0±	0"

- GENERAL NOTES:
1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2023). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS HAVE NOT CHANGED PRIOR TO ANY CONSTRUCTION. ADJUSTMENTS NECESSARY TO MATCH CURRENT EXISTING FIELD CONDITIONS MAY BE MADE AFTER DISCUSSIONS AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
 2. SIDEWALK CROSS SLOPE = -1.0% (VARIANCE 1% $\pm$).
 3. THE CURBS, HEADWALLS, RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. SEE DETAILS SHOWN ON THE SPECIAL SHEETS AND STANDARD PLAN 608.00, 608.30 & 608.50 FOR ADDITIONAL INFORMATION.
 4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED. SEE REMOVAL SCHEDULE FOR LOCATIONS.
 5. STATIONING SHOWN IS ALONG CENTERLINE HIGHWAY.

CITY OF LA PLATA
SPECIAL SHEETS
SHEET 7 OF 15

[illegible]



H TYPICAL SIDEWALK SECTION W/ WALLS

LEGEND			
	DETECTABLE WARNING PANEL		SIDEWALK POINT NUMBER
	PROPOSED LANDING		TOP (CURB/WALL) POINT NUMBER
	TYPE A INTEGRAL CURB		GUTTER POINT NUMBER
	INTEGRAL SIDEWALK & WALL		DRAINAGE DIRECTION
	PROPOSED SIDEWALK	(DND)	DO NOT DISTURB
	PAVED APPROACH	(UIP)	USE IN PLACE
	HEADWALL W/ FOOTING	(REL)	RELOCATE
	TRANSITION X-SLOPE DIRECTION	(REM)	REMOVE

GENERAL NOTES:

- EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2023). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS HAVE NOT CHANGED PRIOR TO ANY CONSTRUCTION. ADJUSTMENTS NECESSARY TO MATCH CURRENT EXISTING FIELD CONDITIONS MAY BE MADE AFTER DISCUSSIONS AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
- SIDEWALK CROSS SLOPE = -1.0% (VARIANCE 1% ±).
- THE CURBS, HEADWALLS, RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. SEE DETAILS SHOWN ON THE SPECIAL SHEETS AND STANDARD PLAN 608.00, 608.30 & 608.50 FOR ADDITIONAL INFORMATION.
- ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED. SEE REMOVAL SCHEDULE FOR LOCATIONS.
- STATIONING SHOWN IS ALONG CENTERLINE HIGHWAY.
- ALL COSTS FOR REINFORCING STEEL INSTALLATION AND FABRICATION SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE CONCRETE STRUCTURE BID ITEM. NO DIRECT PAY.

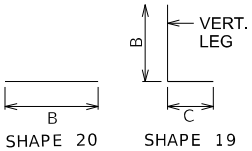
SIDEWALK			
POINT	ROADWAY STATION	OFFSET	ELEVATION
96	16+13.5	15.7' RT	914.5±
97	16+15.7	21.7' RT	914.5±
POINT	SIDEWALK STATION	OFFSET	ELEVATION
94	83+17.83	0	915.43
95	83+17.83	6' RT	915.49
C28	83+40.0	0.5' LT	-
C29	83+40.0	6.5' RT	-

TOP CURB		
POINT	ELEVATION	CURB HEIGHT
C28	915.21	6"
C29	915.21	6"
C30	914.5±	6"
C31	914.5±	6"

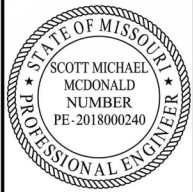
BILL OF REINFORCING STEEL									
NO. REQ.	SIZE / MARK	LOCATION	SHAPE	DIMENSIONS			NOM. LENGTH	ACTUAL LENGTH	WEIGHT
				B	C	D			
21	4	WALLS / FOOTING	20	8	9.000		8	9	123
18	6	WALLS	19	4	1.000	12.00	5	1	135
9	4	FOOTING	20	7	10.00		7	10	47
TOTAL									305

NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAM AND ARE LISTED TO THE NEAREST INCH FOR FABRICATOR'S USE. ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH. WEIGHTS ARE BASED ON ACTUAL LENGTHS.

ALL BARS SHALL BE GRADE 60.



CITY OF LA PLATA
SPECIAL SHEETS
SHEET 8 OF 15



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE 156 STATE MO
DISTRICT NE SHEET NO. 50

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

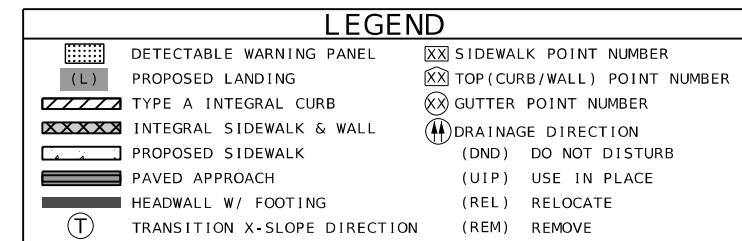
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

VEENSTRA & KIMM INC.

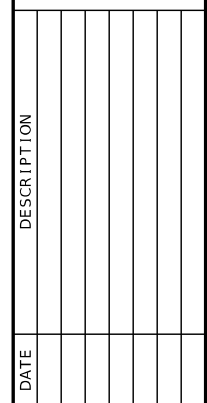
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2023). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS HAVE NOT CHANGED PRIOR TO ANY CONSTRUCTION. ADJUSTMENTS NECESSARY TO MATCH CURRENT EXISTING FIELD CONDITIONS MAY BE MADE AFTER DISCUSSIONS AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
2. SIDEWALK CROSS SLOPE = -1.0% (VARIANCE 1% ±).
3. THE CURBS, HEADWALLS, RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. SEE DETAILS SHOWN ON THE SPECIAL SHEETS AND STANDARD PLAN 608.00, 608.30 & 608.50 FOR ADDITIONAL INFORMATION.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED. SEE REMOVAL SCHEDULE FOR LOCATIONS.
5. STATIONING SHOWN IS ALONG CENTERLINE HIGHWAY.

TOP CURB		
POINT	ELEVATION	CURB HEIGHT
C34	940.2±	⊗
C35	940.2±	6"
C36	940.5±	6"
C37	940.5±	6"
C38	940.5±	⊗
C39	940.2±	⊗
C40	940.2±	6"
C41	940.5±	6"
C42	940.6±	6"
C43	940.6±	⊗
C44	940.6±	6"
C45	940.6±	⊗
C46	⊗	6"
C47	⊗	6"

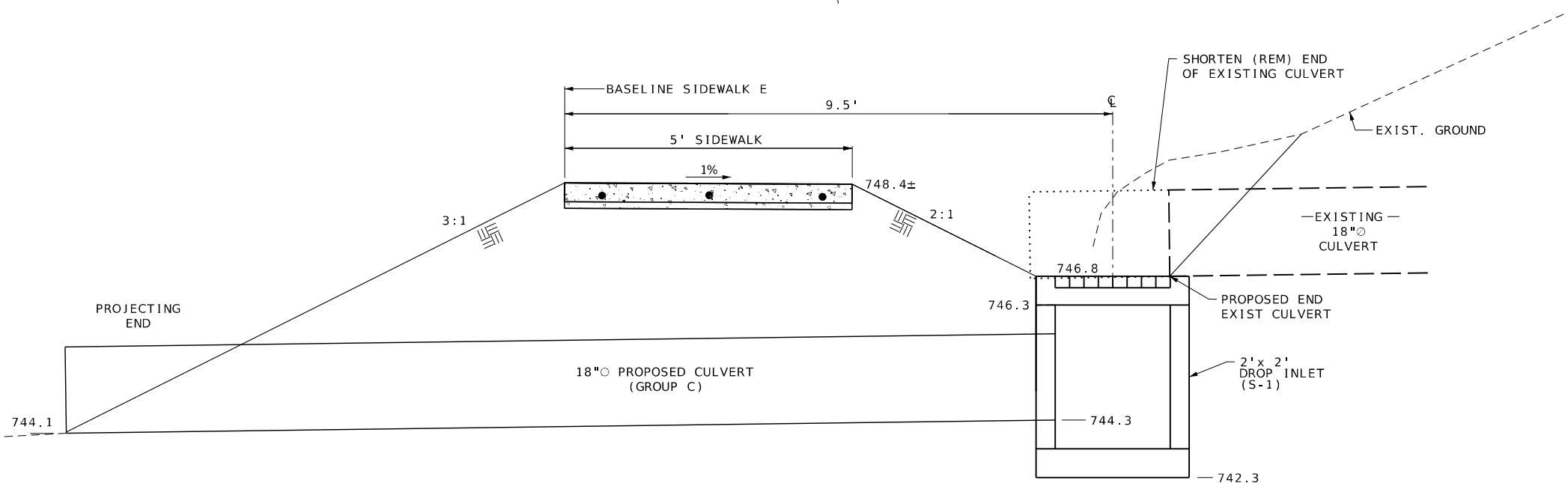
EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
G8	0+12.3	32.2' LT	939.8±
G9	0+16.3	24.4' LT	939.8±
G10	0+24.0	16.6' LT	939.9±
G11	0+30.9	13.0' LT	939.8±
G12	⊗	⊗	⊗
G13	⊗	⊗	⊗
G14	⊗	⊗	⊗



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

7788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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CITY OF ELMER
SPECIAL SHEETS
SHEET 11 OF 15

ETHEL			
POINT	SIDEWALK 'G1' (STA.)	OFFSET	ELEVATION
500	0+00.0	0	839.20'
501	0+00.0	5.0' RT	839.25'
502	0+09.5	0	839.14'
503	0+07.9	5.0' RT	839.20'
504	0+35.2	0	838.99'
505	CORNER	-	839.03'
506	0+49.6	0	838.74'
507	0+49.6	5.0' RT	838.79'
508	0+54.6	0	838.79'
509	0+59.6	5.0' RT	838.84'
510	0+66.5	0	839.19'
511	0+66.5	5.0' RT	839.19'

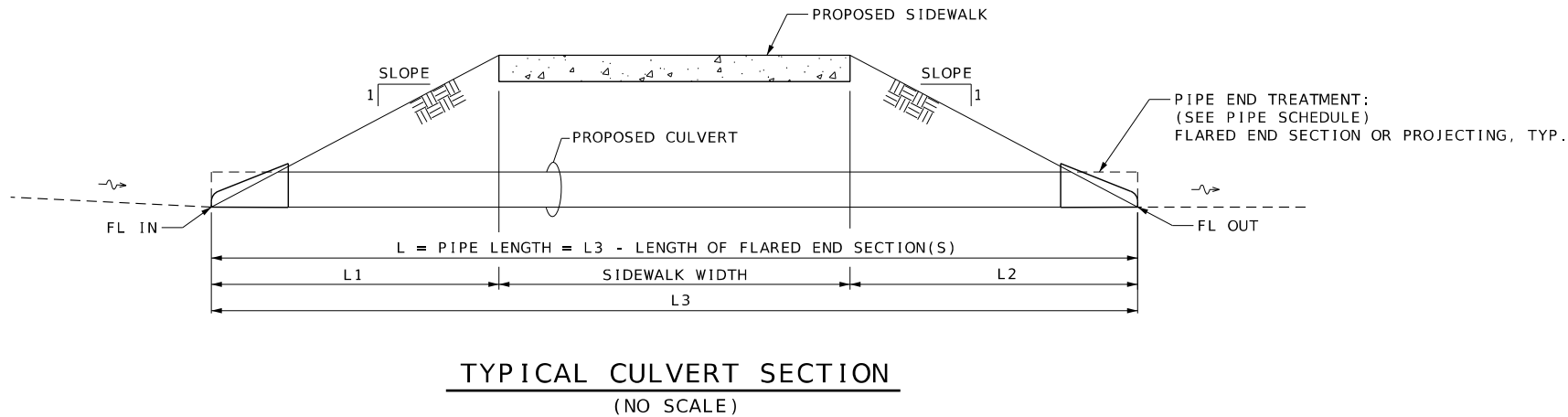
ETHEL			
POINT	SIDEWALK 'G2' (STA.)	OFFSET	ELEVATION
512	5+00.0	0	839.64'±
513	5+05.8	0	839.58'
514	5+15.9	0	839.43'
515	5+15.9	5.5' RT	CENTER CURVE
516	5+19.2	0	839.43'
517	5+36.8	0	839.60'
518	5+36.8	2.8' RT	CENTER CURVE
519	5+39.6	0	839.63'
520	5+44.6	0	839.68'
521	5+52.0	0	839.76'
522	5+72.5	5.0' LT	839.51'
523	CORNER	-	839.46'
524	5+75.5	0	839.52'
525	5+82.8	5.6' LT	839.30'±
526	5+86.1	0	839.68'±
527	5+76.1	6.1' LT	CENTER CURVE
528	5+74.0	9.2' LT	839.29
529	525+84.9 (MO 149)	12.0' RT	838.48
530	526+89.3 (MO 149)	15.7' RT	CENTER CURVE
531	526+89.3 (MO 149)	10.0' RT	838.2±
532	5+15.9	5.0' LT	840.0'± (T/ 6" CURB)
533	5+19.2	5.0' LT	839.9' (T/ 6" CURB)
534	5+49.0	9.5' LT	840.1' (T/ 6" CURB)
535	5+46.3	5.4' LT	CENTER CURVE
536	5+51.3	5.4' LT	840.2' (T/ 6" CURB)

ETHEL			
POINT	SIDEWALK 'H' (STA.)	OFFSET	ELEVATION
540	10+00.0	5.0' LT	851.39'
541	10+00.0	0	851.44'
542	10+07.6	5.0' LT	851.32'
543	10+07.6	0	851.37'
544	10+19.2	5.0' LT	851.20'
545	10+22.3	0	851.22'
546	10+63.2	5.0' LT	853.02'
547	10+59.7	0	852.90'
548	10+74.3	0	853.59'
549	10+74.3	7.0' RT	853.66'
550	10+78.0	5.0' LT	853.72'
551	10+78.0	0	853.77'
552	10+79.3	7.0' RT	853.82'
553	10+88.1	5.0' LT	853.47'
554	10+88.1	0	853.52'
555	10+98.1	0	853.52'
556	10+93.1	0	853.57'
557	11+12.2	0	852.82'
558	11+12.2	5.0' LT	852.77'
559	11+33.8	0	851.99'
560	11+33.8	5.0' LT	851.94'
561	11+55.7	0	851.04'
562	11+55.7	5.0' LT	850.99'

PIPE CULVERT SCHEDULE											
STATION	SIDEWALK	PIPE LENGTH L (FT)	L1 (FT)	L2 (FT)	L3 (FT)	DIA. (IN)	NO. (EA)	FL IN	FL OUT	END TREATMENT FL IN	END TREATMENT FL OUT
0+27	G1	12	4	4.8	13.8	12	1	838.2	837.2	FLARED END SECTION	PROJECTING END
5+22	G2	13	6.2	-	15.6	18 CMP	1	837.2	836.3	FLARED END SECTION	PROJECTING END
5+40	G2	11	3	5.8	12.8	12	1	838.9	838.4	PROJECTING END	FLARED END SECTION
5+79	G2	10	3.3	3.3	11.8	12	1	838.2	838.1	PROJECTING END	FLARED END SECTION
10+19	H	24	5.3	13	26.2	15	1	849.9	848.3	PROJECTING END	FLARED END SECTION

NOTES:

- CULVERTS:
 - 8 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 12 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 15 INCH: GROUP C EXCEPT AS NOTED.
 - 18 INCH: GROUP C OR CMP (SEE PIPE SCHEDULE).
- ALL 12, 15 AND 18 INCH PIPE SHALL BE PAID FOR AS GROUP C.
- CORRUGATED OR SMOOTH INTERIOR WALL ARE SAME DIAMETER PIPE.
- WHEN CONNECTING TO EXISTING PIPE, MATCH TYPE & SIZE OF EXISTING.



CITY OF ETHEL
SPECIAL SHEETS
SHEET 12 OF 15



THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE 149 STATE MO
DISTRICT NE SHEET NO. 54

COUNTY
MACON

JOB NO.
JNE0147

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)

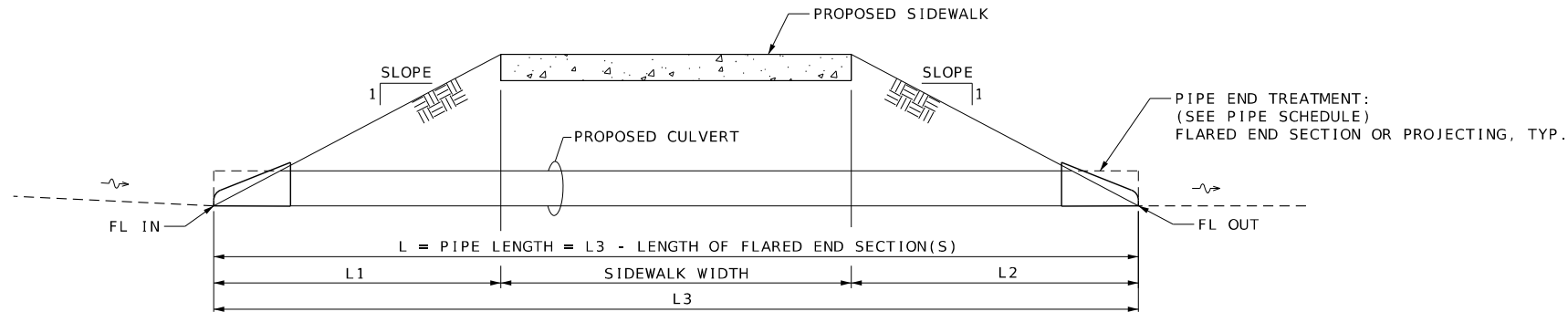
VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

COLLEGE MOUND			
POINT	SIDEWALK 'I' (STA.)	OFFSET	ELEVATION
600	0+04.4	5.0' LT	845.24'
601	0+04.4	0	845.19'
602	0+19.4	5.0' LT	845.14'
603	0+19.4	0	845.19'
604	0+44.7	5.0' LT	845.31'
605	0+44.7	0	845.36'
606	0+52.0	5.0' LT	845.59'
607	0+52.0	0	845.64'
608	0+62.7	5.0' LT	845.72'
609	0+62.7	0	845.77'
610	1+24.7	5.0' LT	847.97'
611	1+24.7	0	848.02'
612	1+35.9	5.0' LT	848.09'
613	1+35.9	0	848.14'
614	1+47.9	5.0' LT	848.22'
615	1+47.9	0	848.27'
616	1+57.0	5.0' LT	848.67'
617	1+57.0	0	848.72'
618	1+95.0	5.0' LT	849.24'
619	1+95.0	0	849.29'
620	2+20.0	5.0' LT	849.24'
621	2+20.0	0	849.29'
622	2+80.0	5.0' LT	848.94'
623	2+80.0	0	848.99'
624	3+80.0	5.0' LT	848.23'
625	3+80.0	0	848.28'
626	4+82.0	5.0' LT	848.92'
627	4+82.0	0	848.97'
628	5+03.8	5.0' LT	848.69'
629	5+03.8	0	848.74'
630	5+18.8	5.0' LT	847.49'
631	5+18.8	0	847.54'
632	5+23.8	5.0' LT	847.44'
633	5+23.8	0	847.49'
634	5+59.8	5.0' LT	847.08'
635	5+59.8	0	847.13'

PIPE CULVERT SCHEDULE											
STATION	SIDEWALK	PIPE LENGTH L (FT)	L1 (FT)	L2 (FT)	L3 (FT)	DIA. (IN)	NO. (EA)	FL IN	FL OUT	END TREATMENT FL IN	END TREATMENT FL OUT
0+12	I	9	3.5	3.7	12.5	12	1	843.5	843.3	FLARED END SECTION	FLARED END SECTION

NOTES:

- CULVERTS:
 - 8 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 12 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 15 INCH: GROUP C EXCEPT AS NOTED.
 - 18 INCH: GROUP C OR CMP (SEE PIPE SCHEDULE).
- ALL 12, 15 AND 18 INCH PIPE SHALL BE PAID FOR AS GROUP C.
- CORRUGATED OR SMOOTH INTERIOR WALL ARE SAME DIAMETER PIPE.
- WHEN CONNECTING TO EXISTING PIPE, MATCH TYPE & SIZE OF EXISTING.



TYPICAL CULVERT SECTION
(NO SCALE)



THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE C	STATE MO
DISTRICT NE	SHEET NO. 56

COUNTY
MACON

JOB NO.
JNE0147

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)

MoDOT

**VEENSTRA
& KIMM INC.**

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

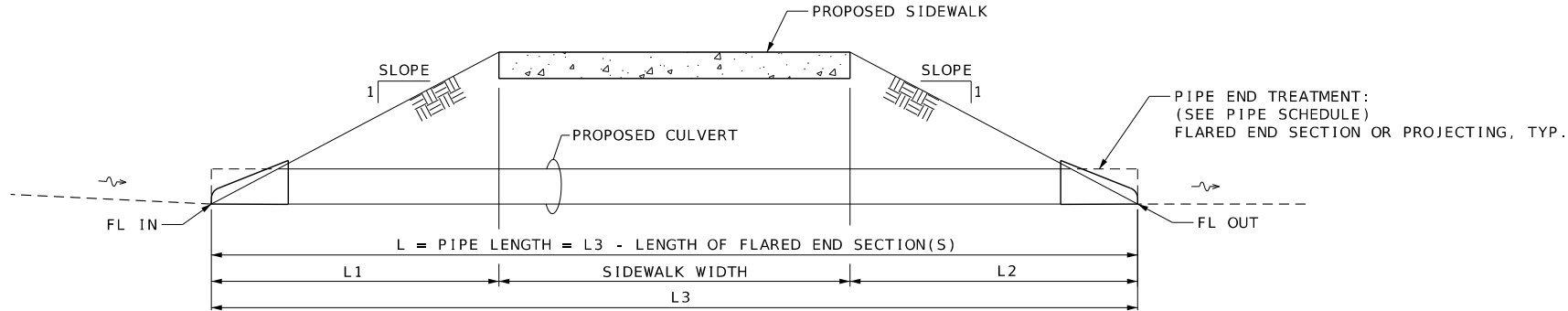
COLLEGE MOUND
SPECIAL SHEETS
SHEET 14 OF 15

SOUTH GIFFORD			
POINT	SIDEWALK 'J' (STA.)	OFFSET	ELEVATION
700	9+75.0	0	765.00'±
701	9+75.0	5.0' RT	765.05'±
702	10+00.0	0	764.88'
703	10+00.0	5.0' RT	764.93'
704	10+18.0	0	765.12'
705	10+18.0	5.0' RT	765.07'
706	10+23.0	0	765.17'
707	10+23.0	5.0' RT	765.12'
708	10+46.0	0	765.08'
709	10+46.0	5.0' RT	765.03'
710	11+20.0	0	763.75'
711	11+20.0	5.0' RT	763.70'
712	11+70.0	0	763.15'
713	11+70.0	5.0' RT	763.10'
714	12+60.0	0	761.80'
715	12+60.0	5.0' RT	761.75'
716	13+00.0	0	761.56'
717	13+00.0	5.0' RT	761.51'
718	13+23.4	0	761.33'
719	13+23.4	5.0' RT	761.38'
720	13+48.4	0	760.77'
721	13+48.4	5.0' RT	760.82'
722	13+60.0	0	760.65'
723	13+60.0	5.0' RT	760.60'
724	13+80.0	0	760.33'
725	13+80.0	5.0' RT	760.28'
726	14+25.0	0	759.98'
727	14+25.0	5.0' RT	759.93'
728	15+00.0	0	759.61'
729	15+00.0	5.0' RT	759.56'
730	15+35.0	0	759.78'
731	15+35.0	5.0' RT	759.73'
732	16+86.0	0	758.27'
733	16+83.4	5.0' RT	758.25'

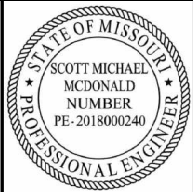
PIPE CULVERT SCHEDULE											
STATION	SIDEWALK	PIPE LENGTH L (FT)	L1 (FT)	L2 (FT)	L3 (FT)	DIA. (IN)	NO. (EA)	FL IN	FL OUT	END TREATMENT FL IN	END TREATMENT FL OUT
13+10	I	9	3	2.8	10.8	12	1	760.1	760.0	PROJECTING END	FLARED END SECTION
13+35	I	31	3.9	4.1	34.5	12	1	759.6	759.6	FLARED END SECTION	FLARED END SECTION
13+57	I	11	3	33	11	8	2	759.7	759.4	PROJECTING END	PROJECTING END
15+10	I	8	1	3.8	9.8	12	1	758.1	758.0	PROJECTING END	FLARED END SECTION

NOTES:

- CULVERTS:
 - 8 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 12 INCH: CMP PIPE (GROUP C SPECIFICATIONS).
 - 15 INCH: GROUP C EXCEPT AS NOTED.
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- WHEN CONNECTING TO EXISTING PIPE, MATCH TYPE & SIZE OF EXISTING.



TYPICAL CULVERT SECTION
(NO SCALE)



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE 156 STATE MO
DISTRICT NE SHEET NO. 57

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

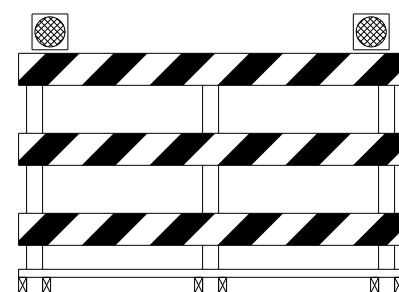
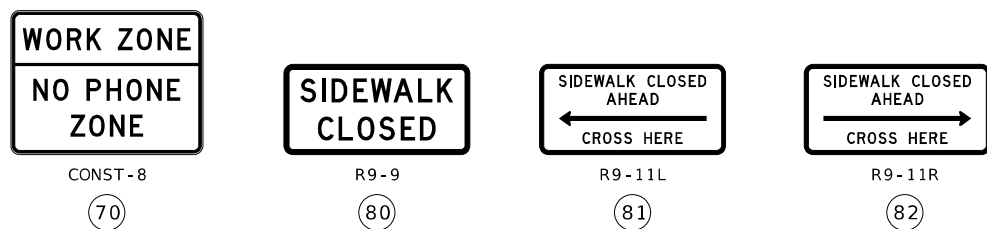
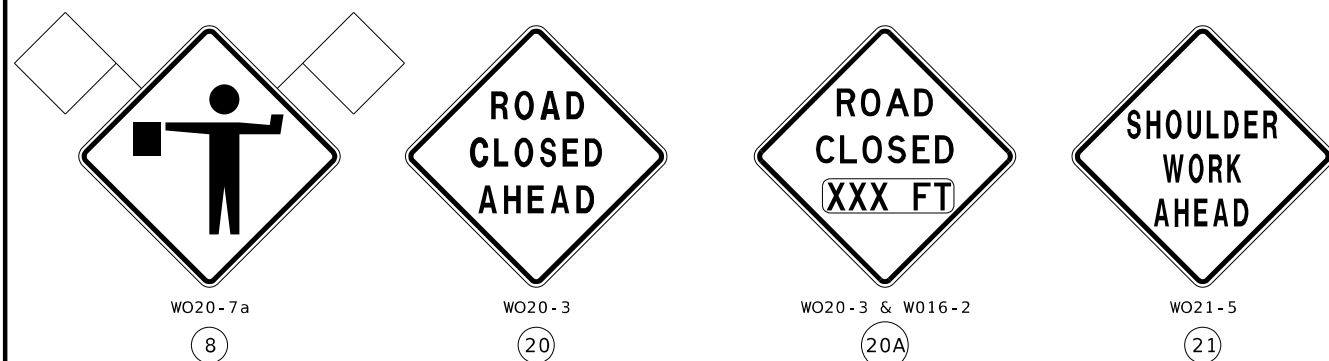
PROJECT NO.

BRIDGE NO.

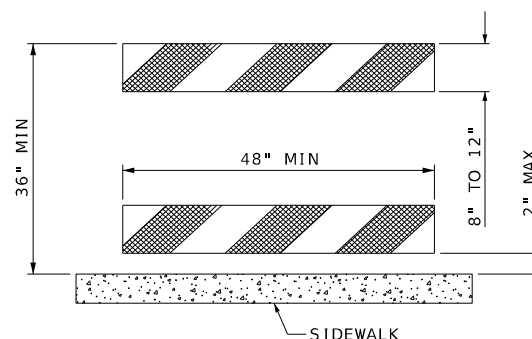
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

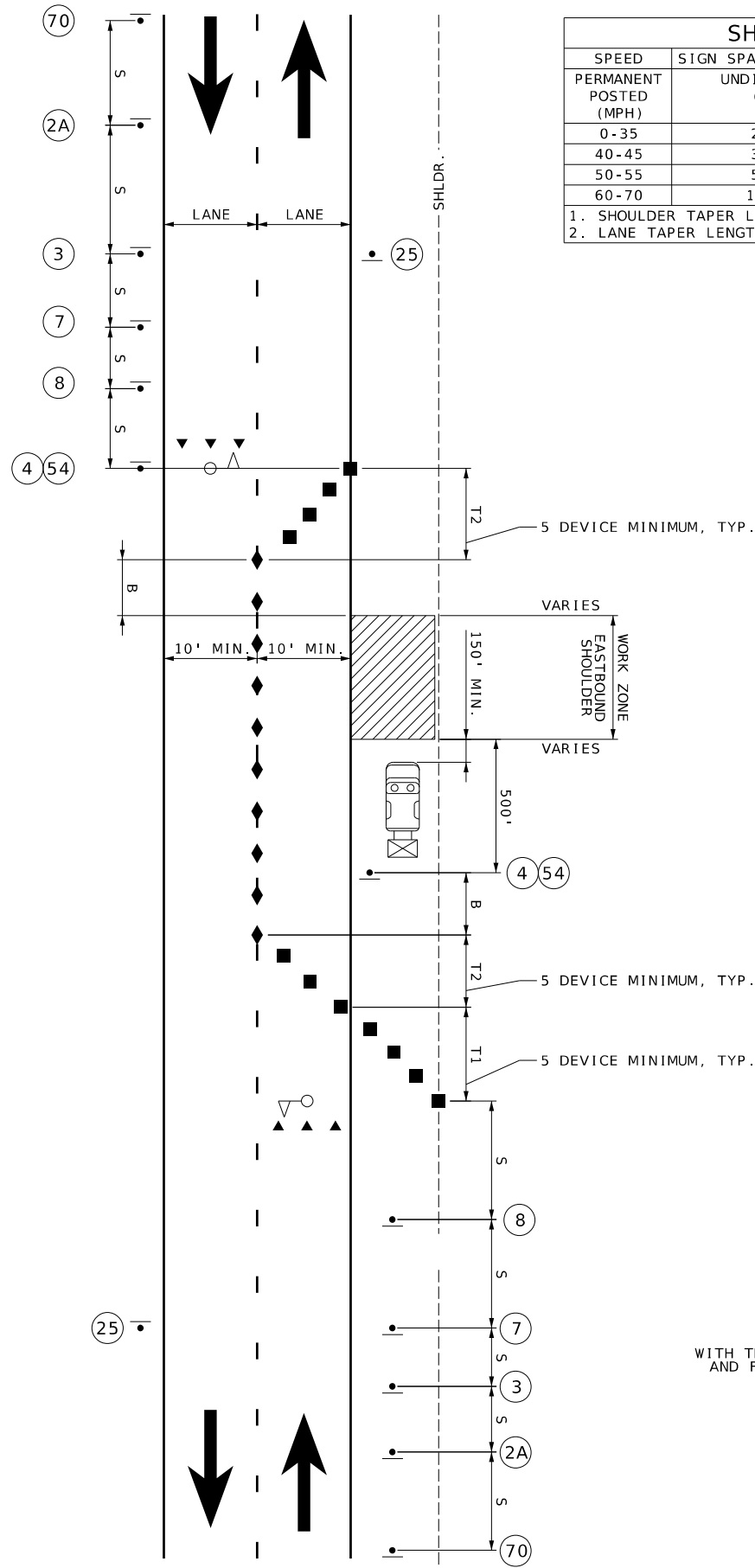
VEENSTRA
& KIMM INC.
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TYPE III MOVABLE BARRICADE
WITH SEQUENTIAL FLASHING
WARNING LIGHTS



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



SHOULDER WORK WITH MINOR ENCROACHMENT						
SPEED	SIGN SPACING (FT.)	TAPER LENGTH (FT.)		RECOMMENDED	CHANNELIZER SPACING (FT.)	
PERMANENT POSTED (MPH)	UNDIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT.) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	35	100	250	25	40
40-45	350	35	100	360	25	80
50-55	500	35	100	495	25	80
60-70	1000	35	100	730	25	120

1. SHOULDER TAPER LENGTH BASED ON 8 FT. (STANDARD SHOULDER WIDTH) OFFSET.
2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

- TRAFFIC CONTROL LEGEND
- PROPOSED SIGN (SINGLE SIDED)

EXISTING SIGN (SINGLE SIDED)

CHANNELIZER

TYPE III MOVEABLE BARRICADE

SEQUENTIAL FLASHING WARNING LIGHT

VEHICLE WITH TRAILER MOUNTED ATTENUATOR

CHANGEABLE MESSAGE BOARD

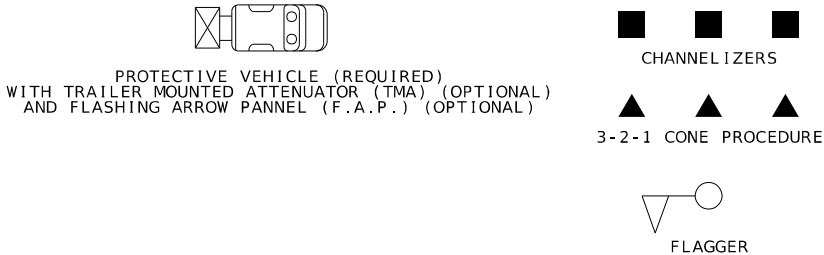
FLAGGER

3-2-1 CONE PROCEDURE

DIRECTIONAL PEDESTRIAN CHANNELIZING BARRICADE

DIRECTIONAL INDICATOR BARRICADE

FLASHING ARROW PANEL



LANE CLOSURE
PAVED APPROACH OR SHOULDER CONSTRUCTION

NOT TO SCALE. FOLLOW DIMENSIONS.

LANE CLOSURE
TRAFFIC CONTROL SHEETS
SHEET 2 OF 4

STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE VAR STATE MO

DISTRICT NE SHEET NO. 59

COUNTY MACON

JOB NO. JNE0147

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)

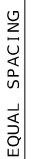
VEENSTRA & KIMM INC.

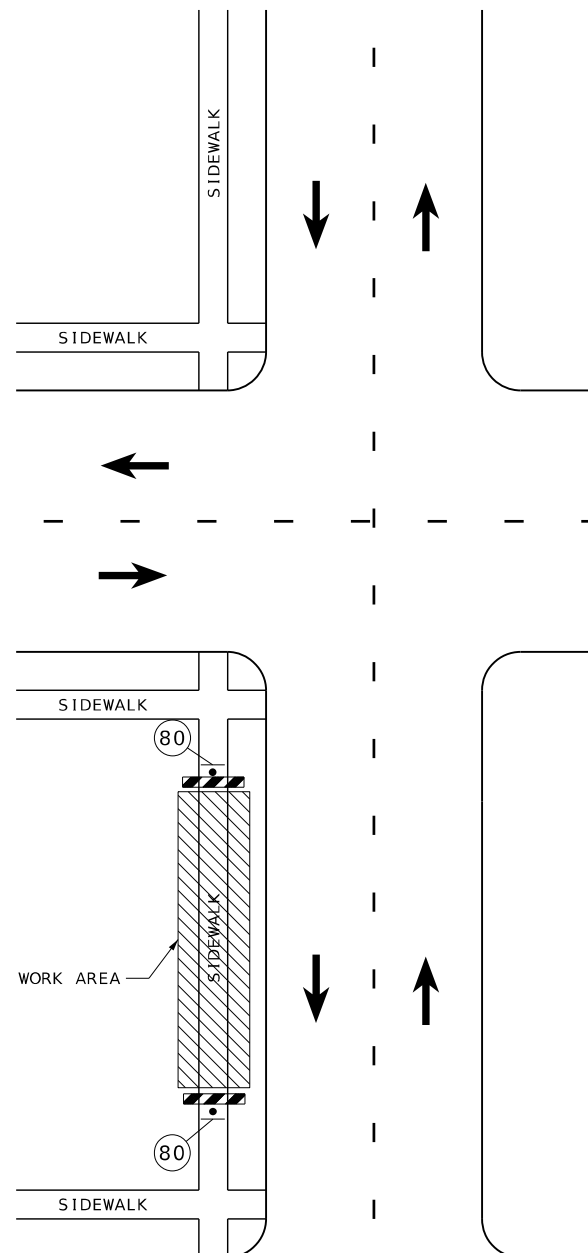
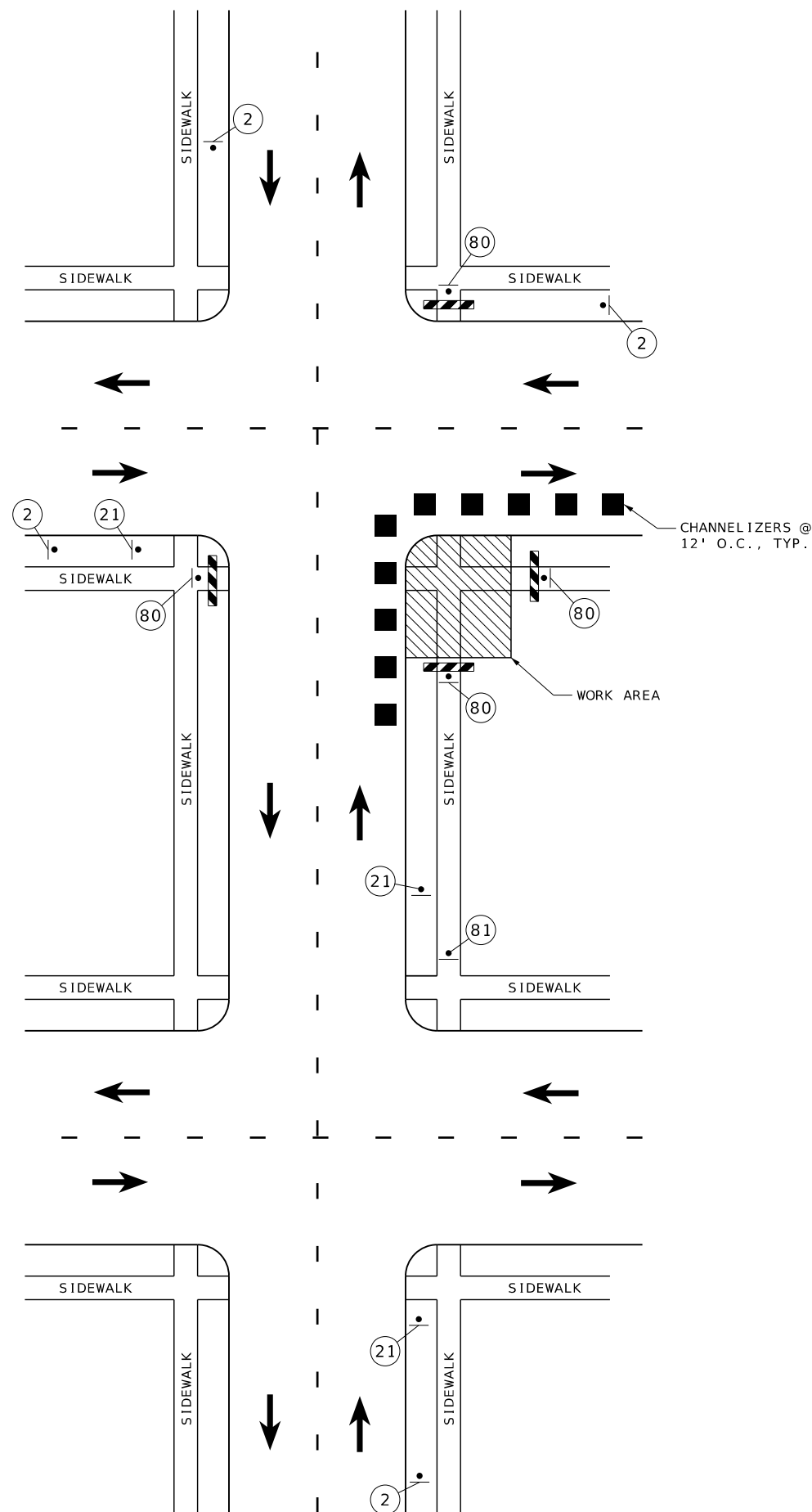
9788 N Ash Avenue Kansas City, Missouri 64157

816-781-6182 816-781-0643 (FAX)

Certificate of Authority No. 2002006347

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TRAFFIC CONTROL LEGEND

- | | |
|---|---|
|  | PROPOSED SIGN (SINGLE SIDED) |
|  | EXISTING SIGN (SINGLE SIDED) |
|  | CHANNELIZER |
|  | TYPE III MOVEABLE BARRICADE |
|  | SEQUENTIAL FLASHING WARNING LIGHT |
|  | VEHICLE WITH TRAILER MOUNTED ATTENUATOR |
|  | CHANGEABLE MESSAGE BOARD |
|  | FLAGGER |
|  | 3-2-1 CONE PROCEDURE |
|  | DIRECTIONAL PEDESTRIAN CHANNELIZING BARRICADE |
|  | DIRECTIONAL INDICATOR BARRICADE |
|  | FLASHING ARROW PANEL |



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT NE	SHEET NO. 61
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COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.							
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[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

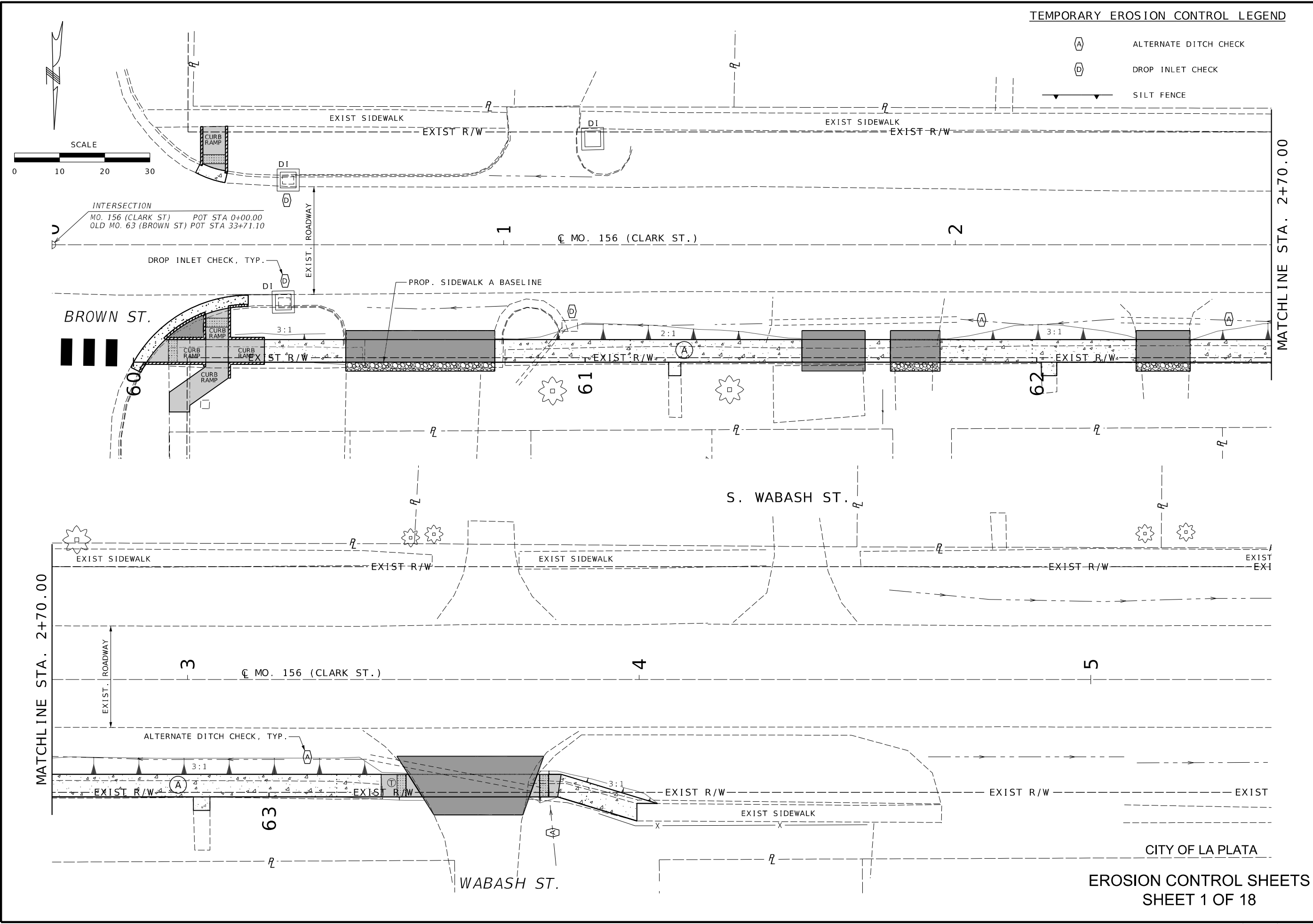
**VEENSTRA
& KIM INC.**

788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SIDEWALK CLOSURES

TRAFFIC CONTROL SHEETS

SHEET 4 OF 4



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

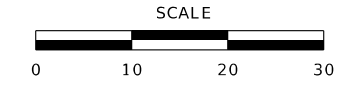
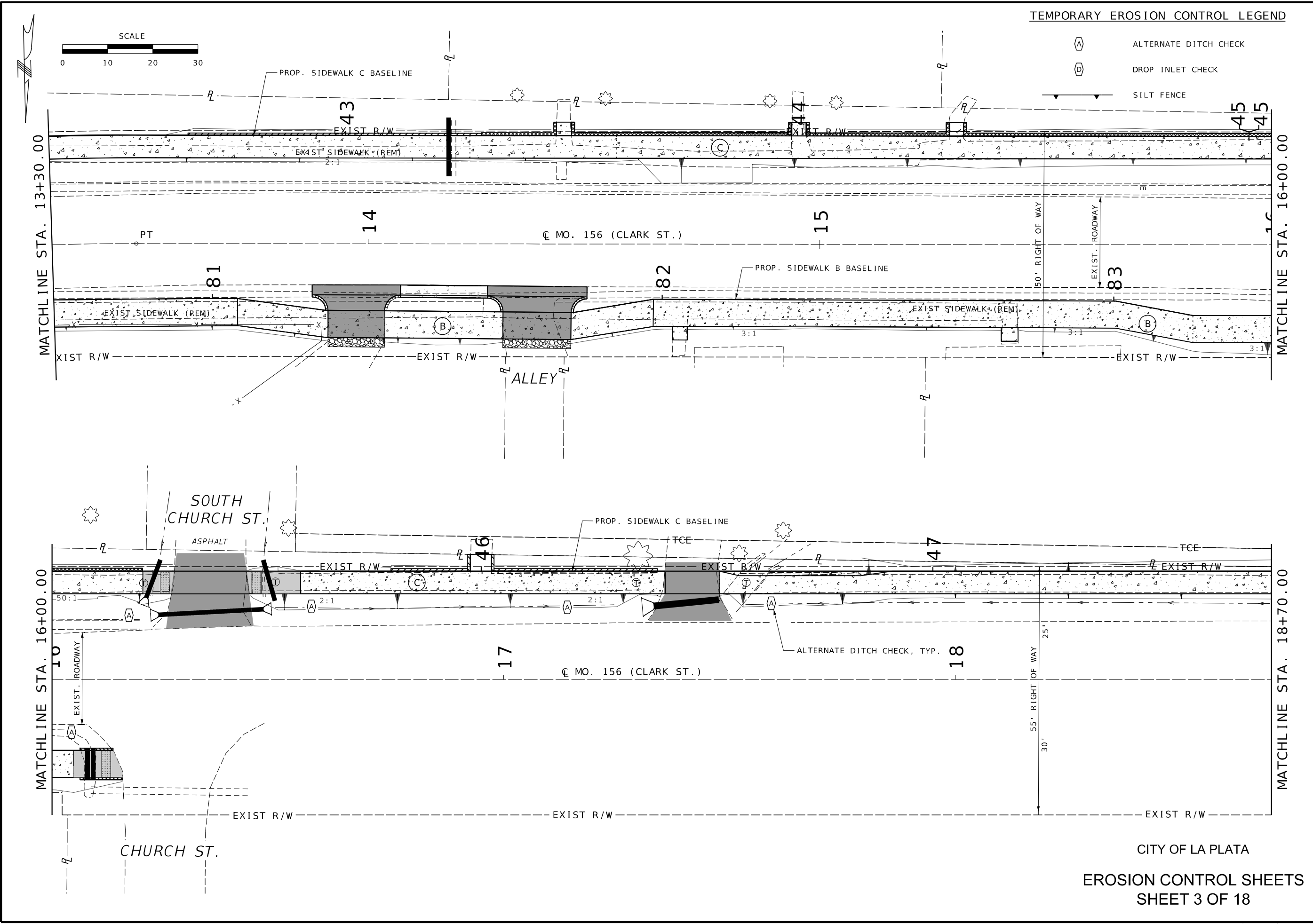
ROUTE VAR	STATE MO
DISTRICT NE	SHEET NO. 62
COUNTY MACON	
JOB NO. JNE0147	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TEMPORARY EROSION CONTROL LEGEND

(A)	ALTERNATE DITCH CHECK
(D)	DROP INLET CHECK
(S)	SILT FENCE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	64

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

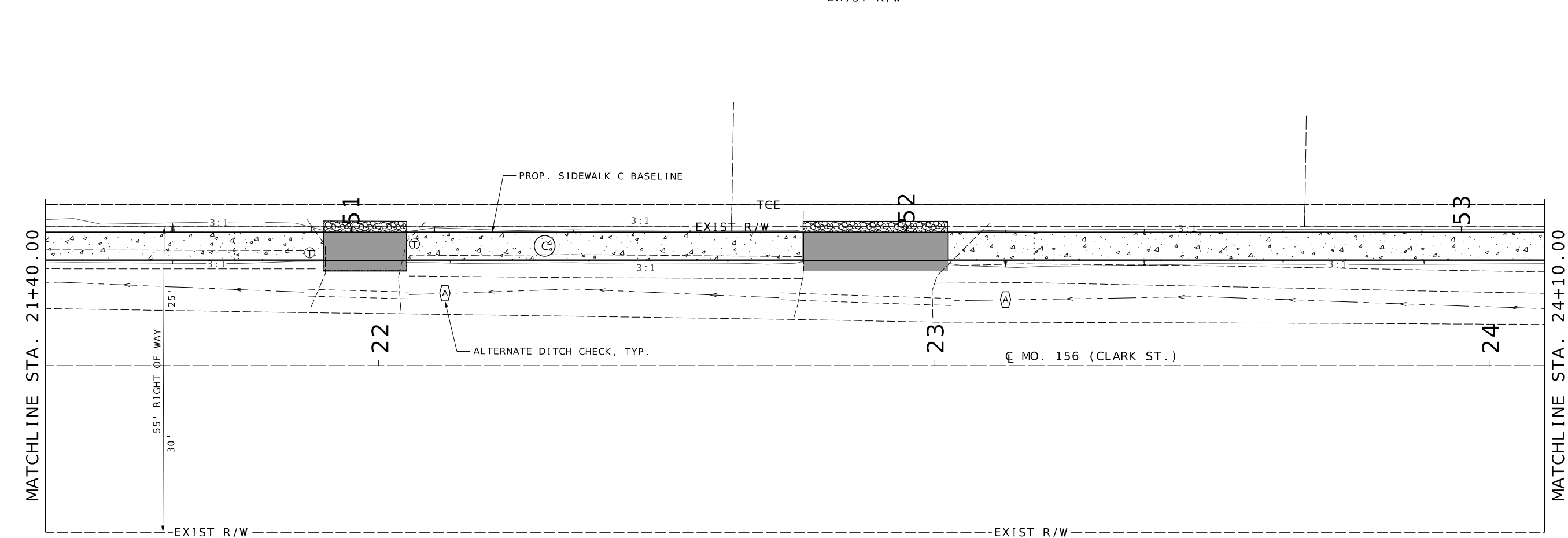
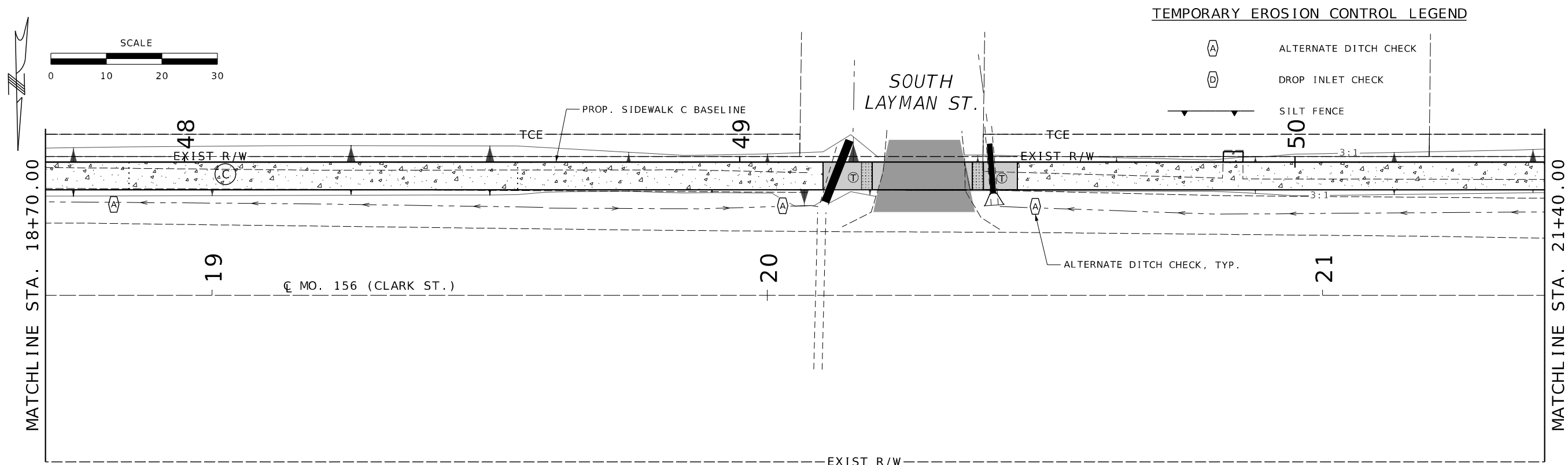
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

VEENSTRA & KIMM INC.

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

CITY OF LA PLATA
EROSION CONTROL SHEETS
SHEET 3 OF 18



CITY OF LA PLATA
EROSION CONTROL SHEETS
SHEET 4 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE
VAR
DISTRICT
NE

STATE
MO
SHEET NO.
65

COUNTY
MACON
JOB NO.
JNE0147

CONTRACT ID.

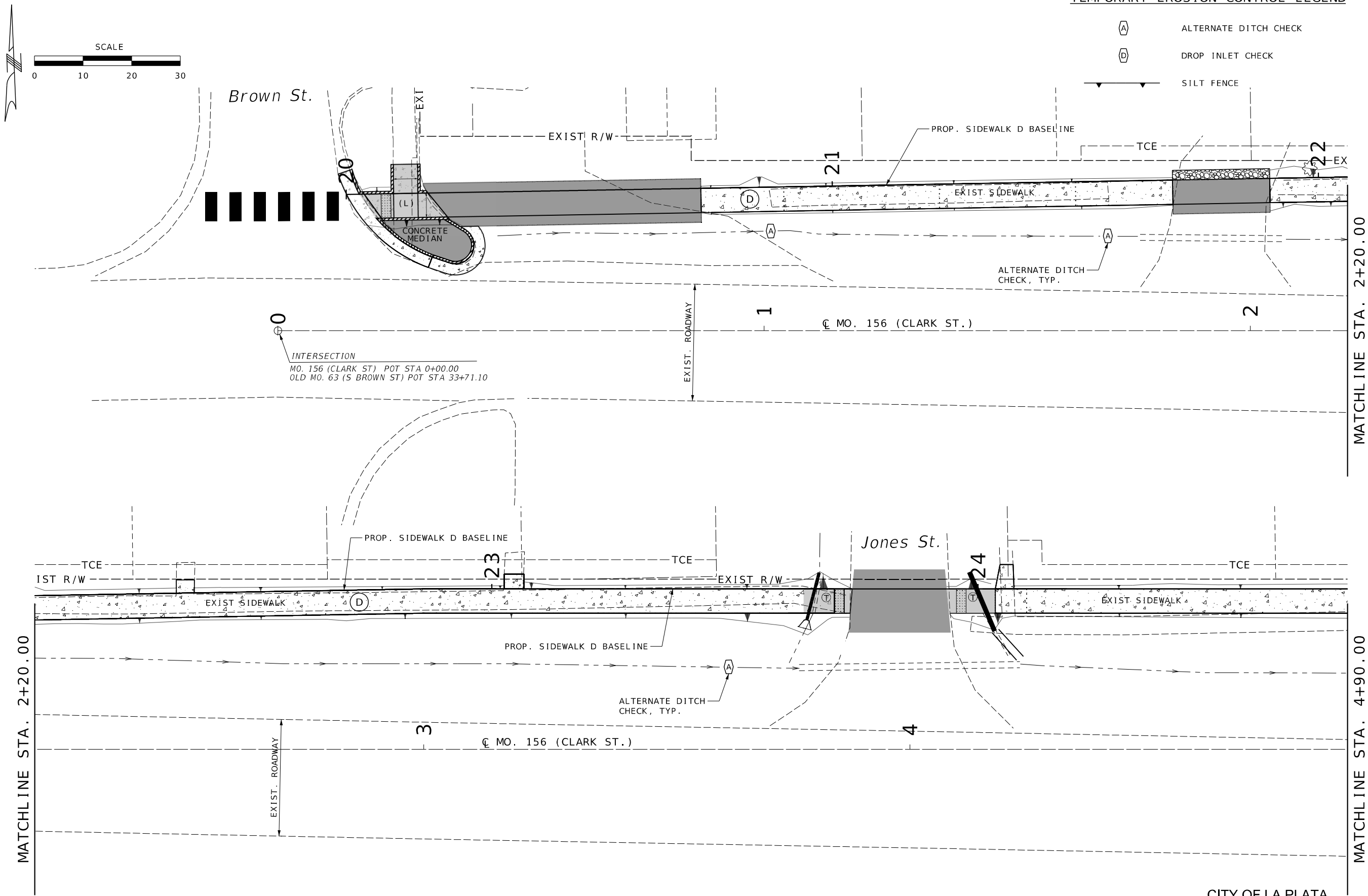
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182
816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- DROP INLET CHECK
- SILT FENCE



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	67

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

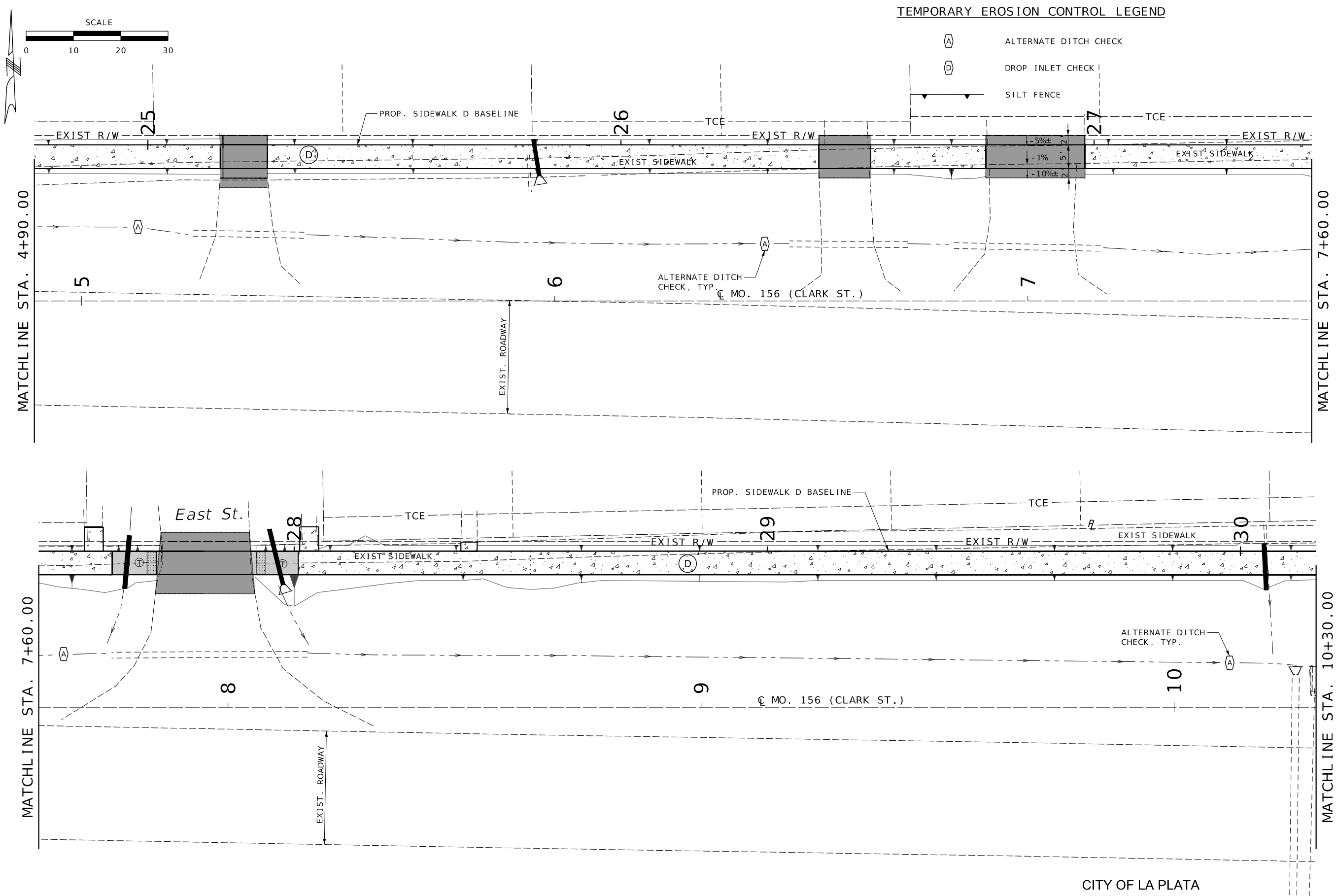
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

VEENSTRA & KIMM INC.

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

CITY OF LA PLATA
EROSION CONTROL SHEETS
SHEET 6 OF 18



CITY OF LA PLATA
EROSION CONTROL SHEETS
SHEET 7 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	68

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

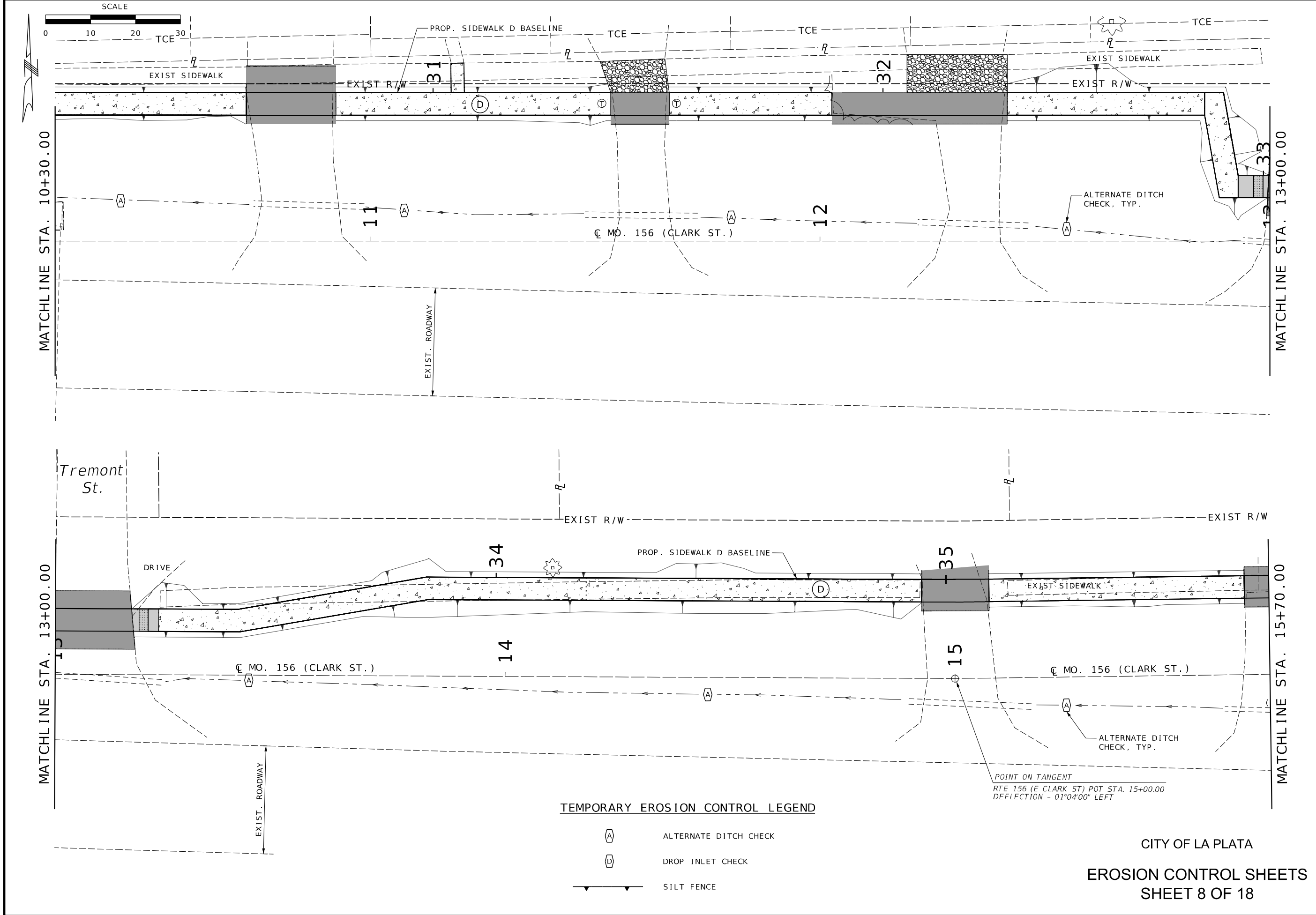
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

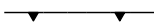
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

**VEENSTRA
& KIMM INC.**

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Kansas City, Missouri 64157
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Certificate of Authority No. 2002006347



TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  DROP INLET CHECK
-  SILT FENCE

CITY OF LA PLATA
EROSION CONTROL SHEETS
SHEET 8 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	69

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

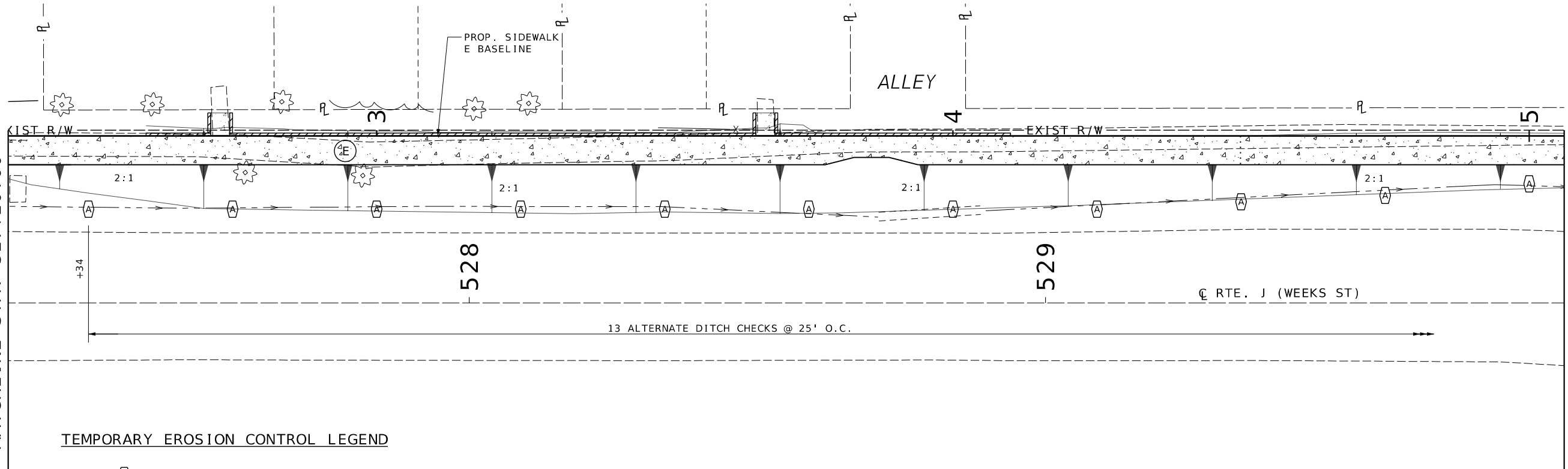
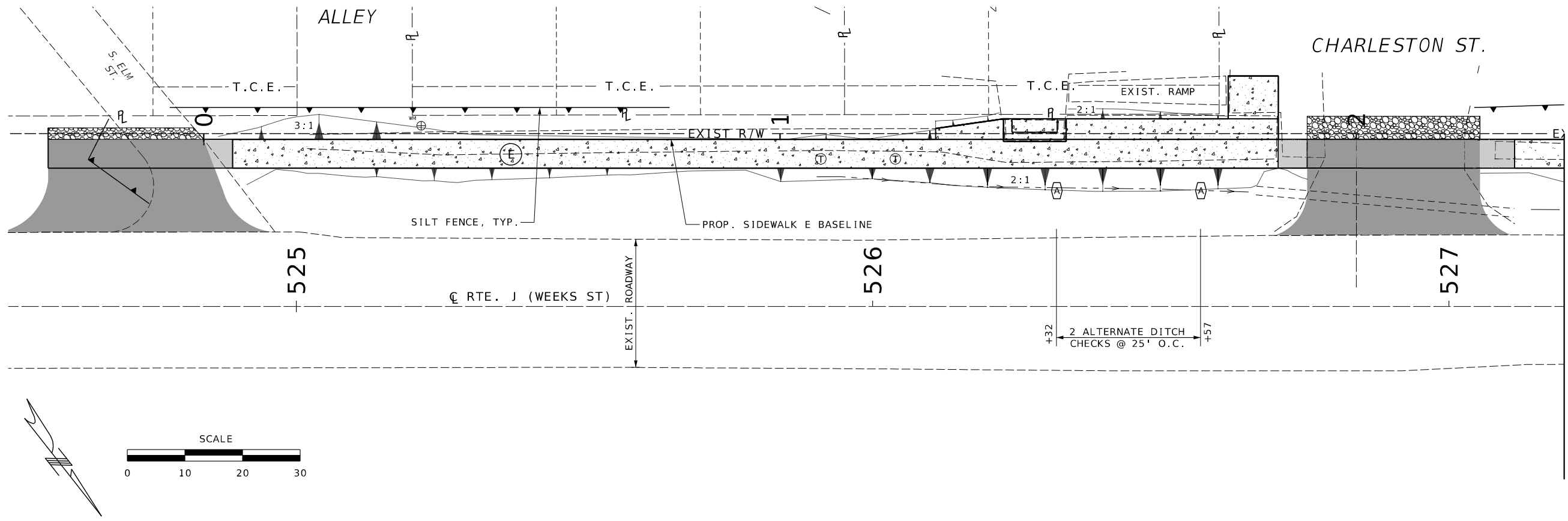
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COMMISSION



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

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TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  DROP INLET CHECK
-  SILT FENCE

CITY OF ELMER
EROSION CONTROL SHEETS
SHEET 10 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

03/31/2025

ROUTE STATE

VAR MO

DISTRICT SHEET NO.

NE 71

COUNTY

MACON

JOB NO.

JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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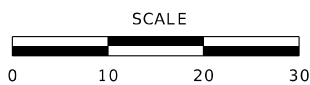
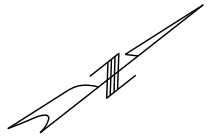
DATE

DATE

DATE

DATE

DATE



TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  DROP INLET CHECK
-  SILT FENCE



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	
03/31/2025	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	73
COUNTY	
MACON	
JOB NO.	
JNE0147	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

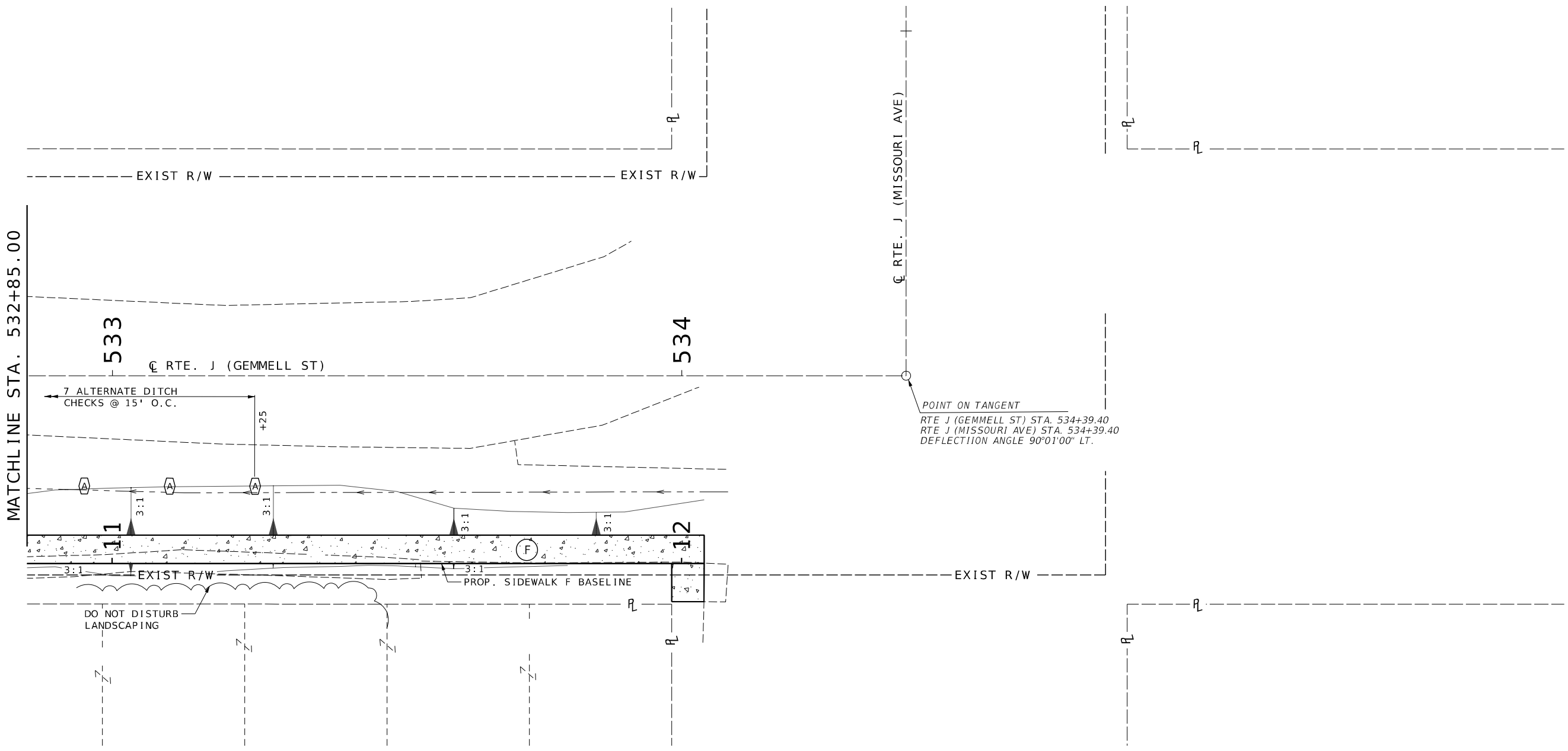
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



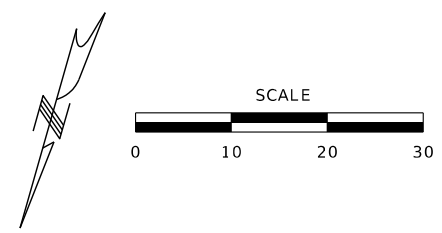
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

**VEENSTRA
& KIMM INC.**

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

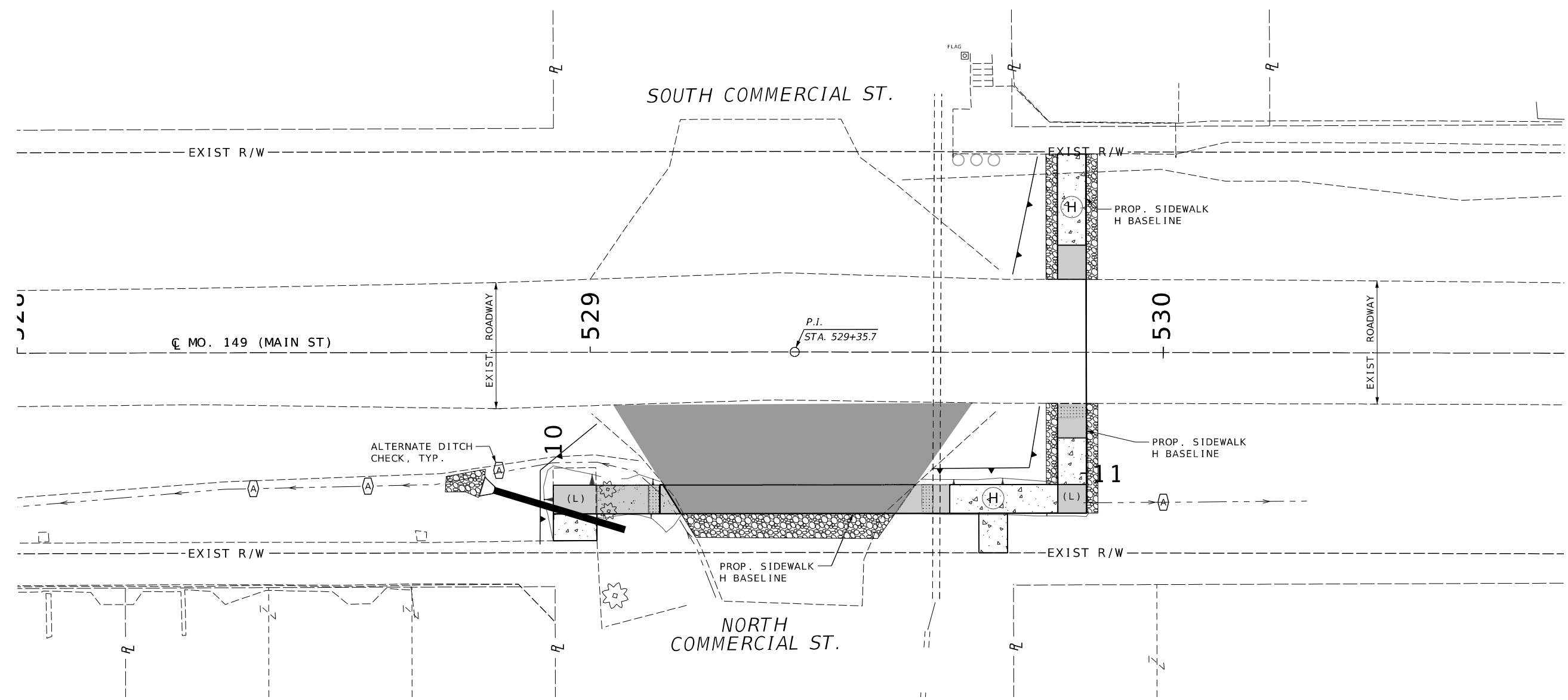


CITY OF ELMER
EROSION CONTROL SHEETS
SHEET 12 OF 18



TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- DROP INLET CHECK
- SILT FENCE



CITY OF ETHEL
EROSION CONTROL SHEETS
SHEET 14 OF 18

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	75

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

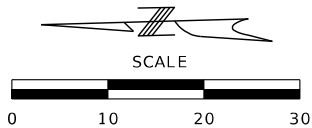
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

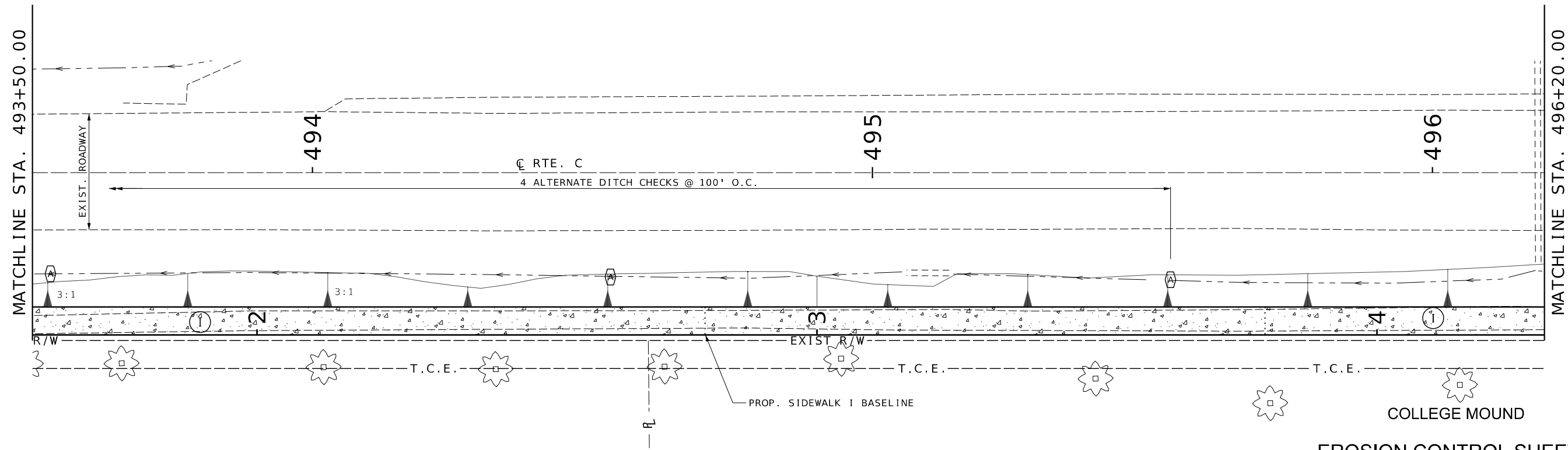
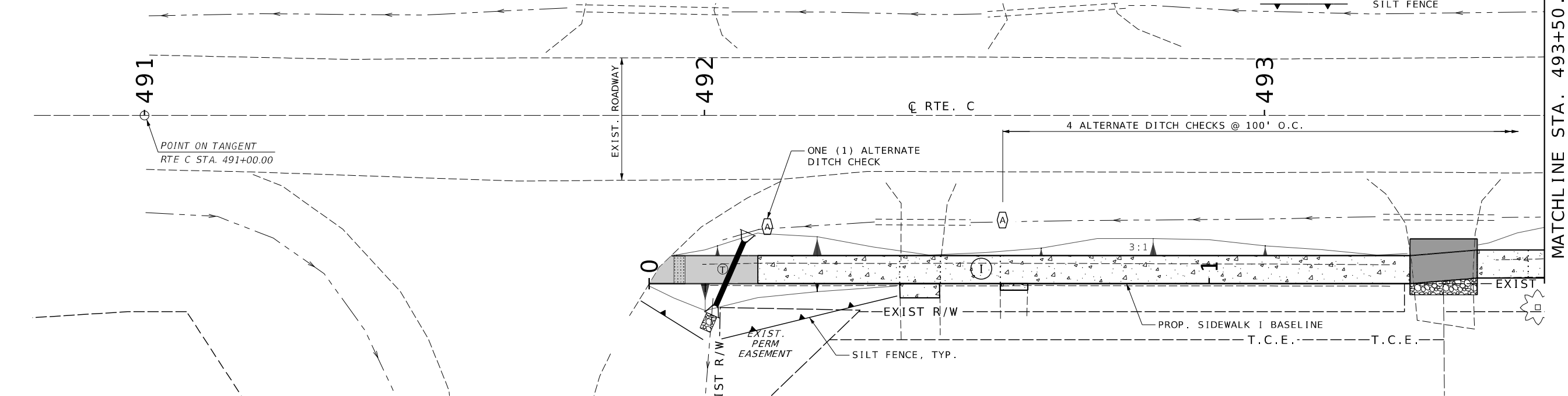
VEENSTRA & KIMM INC.
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



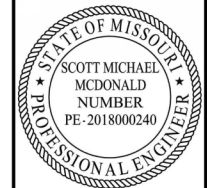
TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
(D) DROP INLET CHECK

SILT FENCE



EROSION CONTROL SHEETS
SHEET 15 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
NE 76

COUNTY
MACON

JOB NO.
JNE0147

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

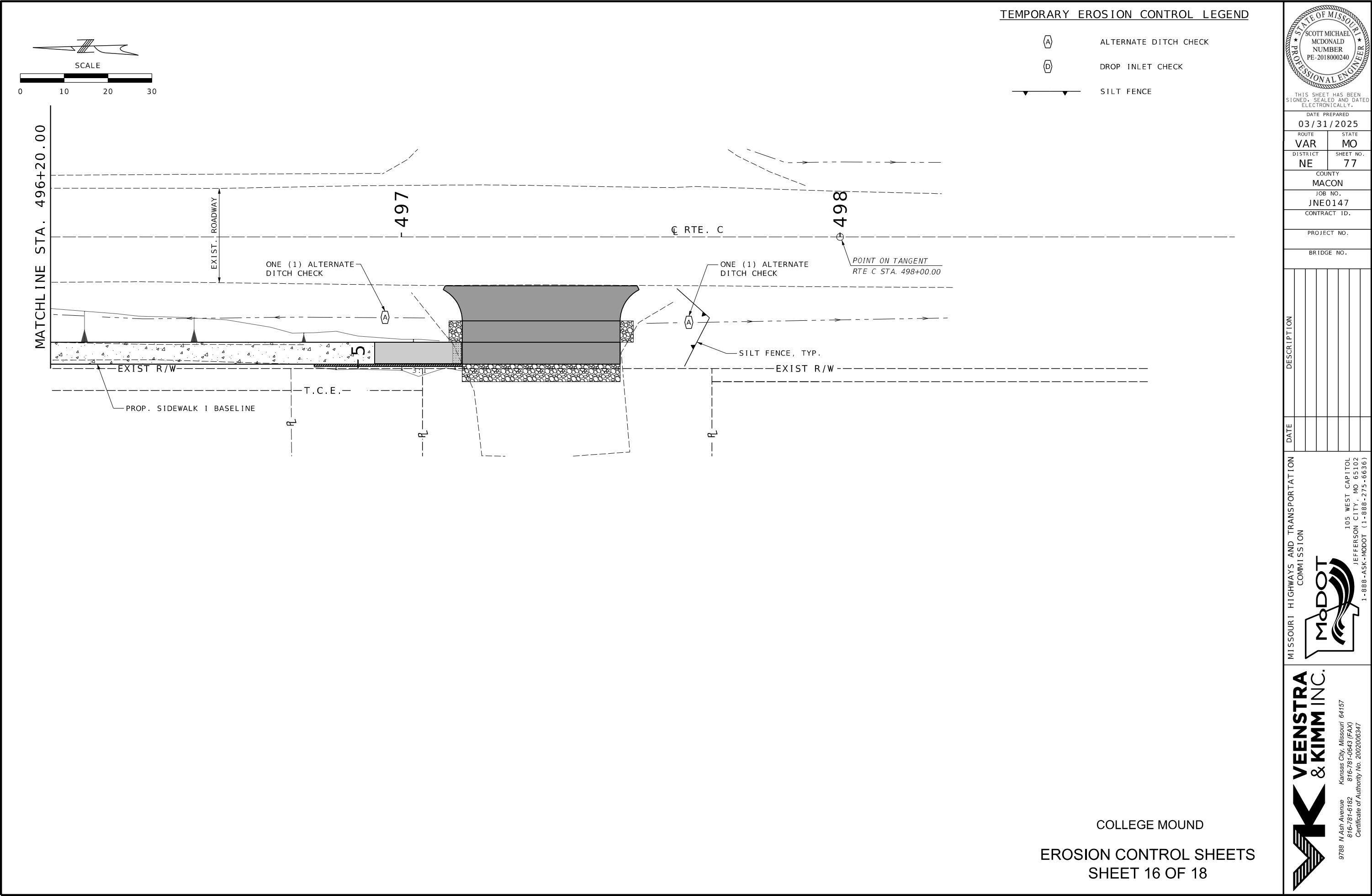
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

VEENSTRA & KIMM INC.

9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  DROP INLET CHECK
-  SILT FENCE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
03/31/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
NE	77

COUNTY
MACON
JOB NO.
JNE0147
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

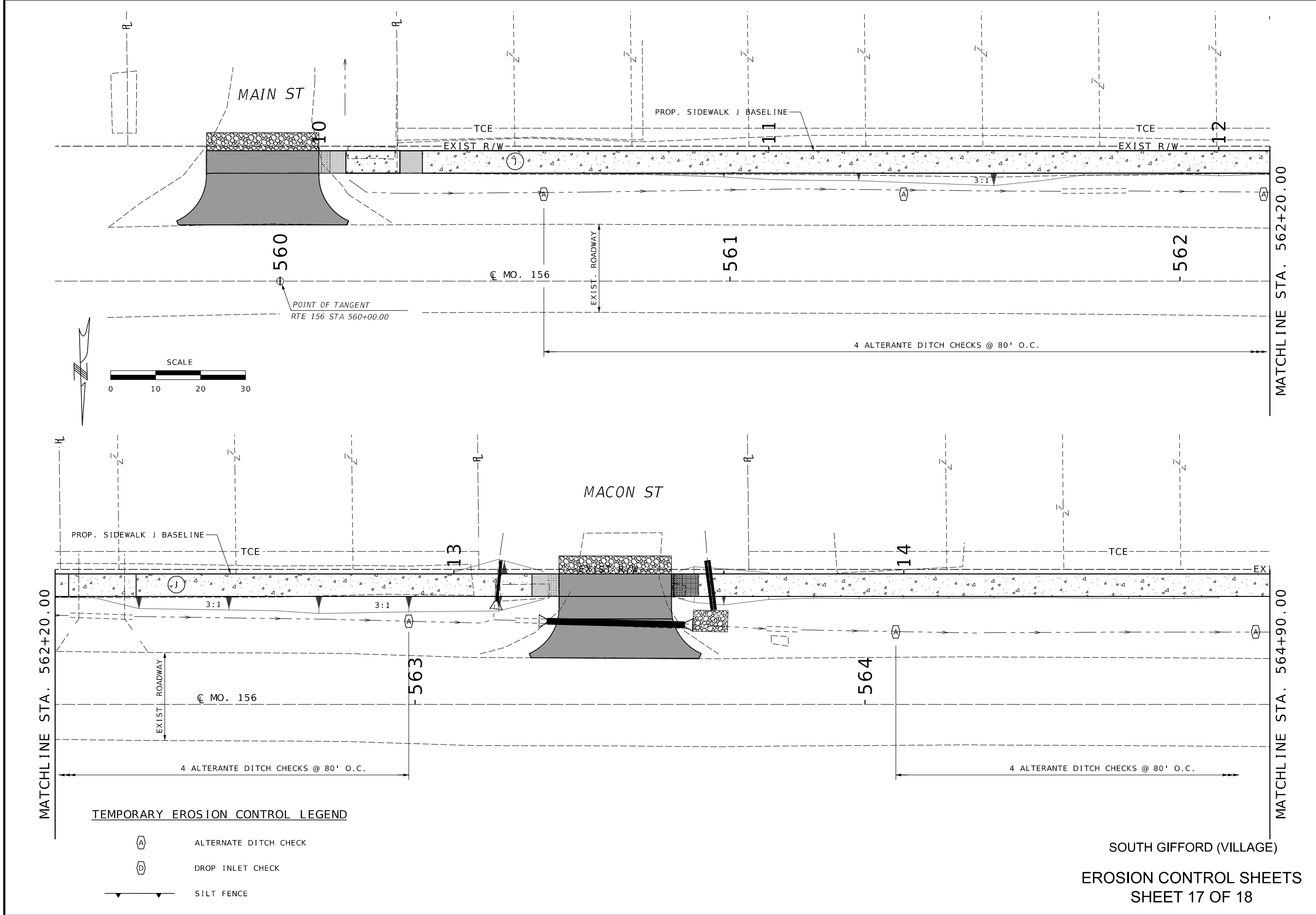
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

VEENSTRA & KIMM INC.

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Kansas City, Missouri 64157
816-781-0643 (FAX)
Certificate of Authority No. 2002006347



STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE VAR STATE MO

DISTRICT NE SHEET NO. 78

COUNTY MACON

JOB NO. JNE0147

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)

VEENSTRA & KIMM INC.

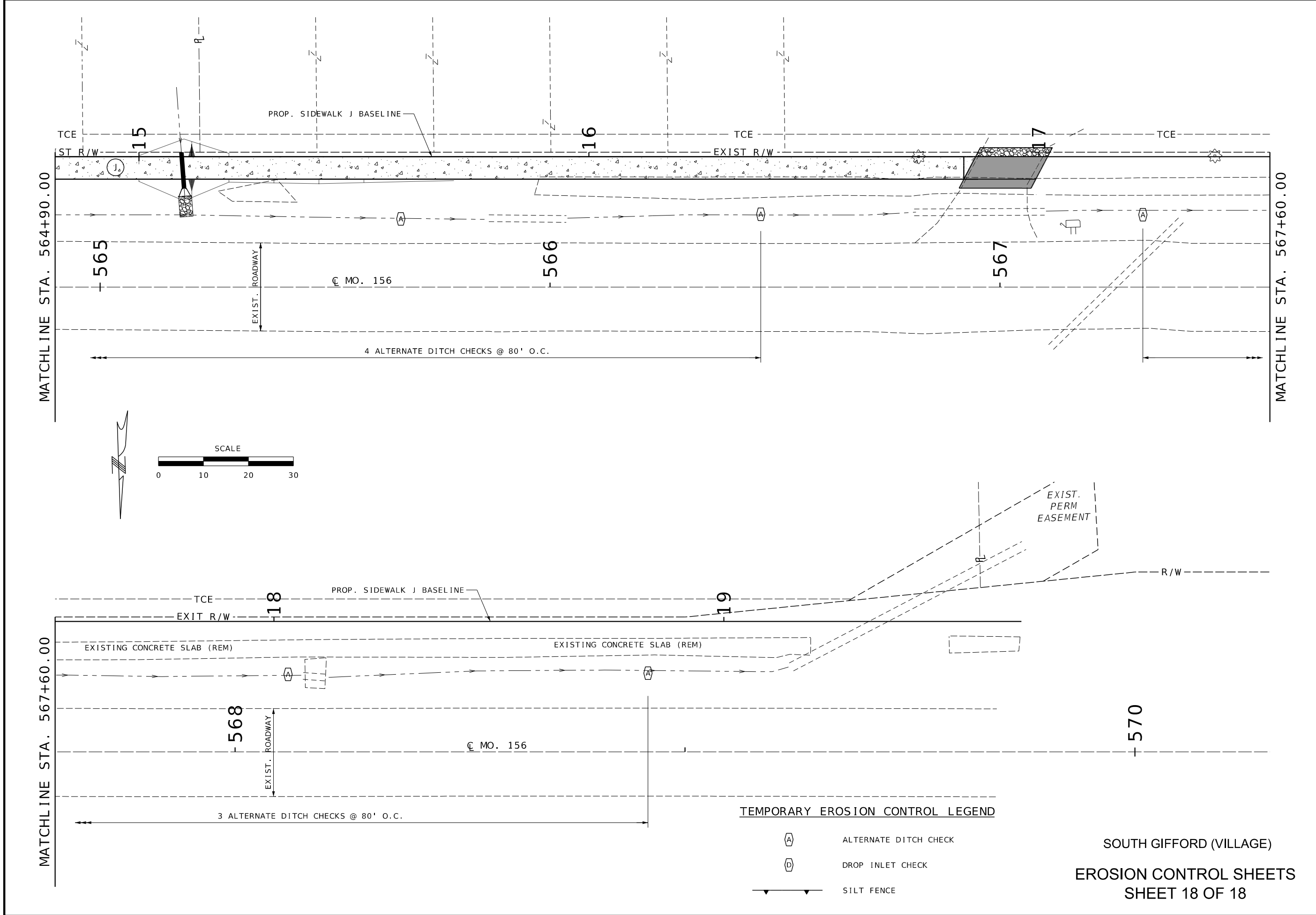
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Certificate of Authority No. 2002006347

MODOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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STATE OF MISSOURI

SCOTT MICHAEL MCDONALD

NUMBER PE-2018000240

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 03/31/2025

ROUTE VAR

DISTRICT NE

STATE MO

SHEET NO. 79

COUNTY MACON

JOB NO. JNE0147

CONTRACT ID.

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)

VEENSTRA & KIMM INC.

9788 N Ash Avenue Kansas City, Missouri 64157 816-781-6182 816-781-0643 (FAX) Certificate of Authority No. 2002006347

MO DOT

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

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