

INDEX OF SHEETS	SHEET NUMBER	09/	Qlex C 04/2024	2:05:1	2 PM
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PLAN (PP)	3 4		OUTE	ST. M SHEE	τ ΙΟ Τ ΝΟ. 1
			ST. C		
BRIDGE DRAWINGS (B) BOX CULVERT	5-7			CT NO. SE NO.	
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		DATE			
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			LAKE S/		
		EEKAM	Civil Endineering Design	13523 Barrett Parkway Dr Sulte 250	ţ

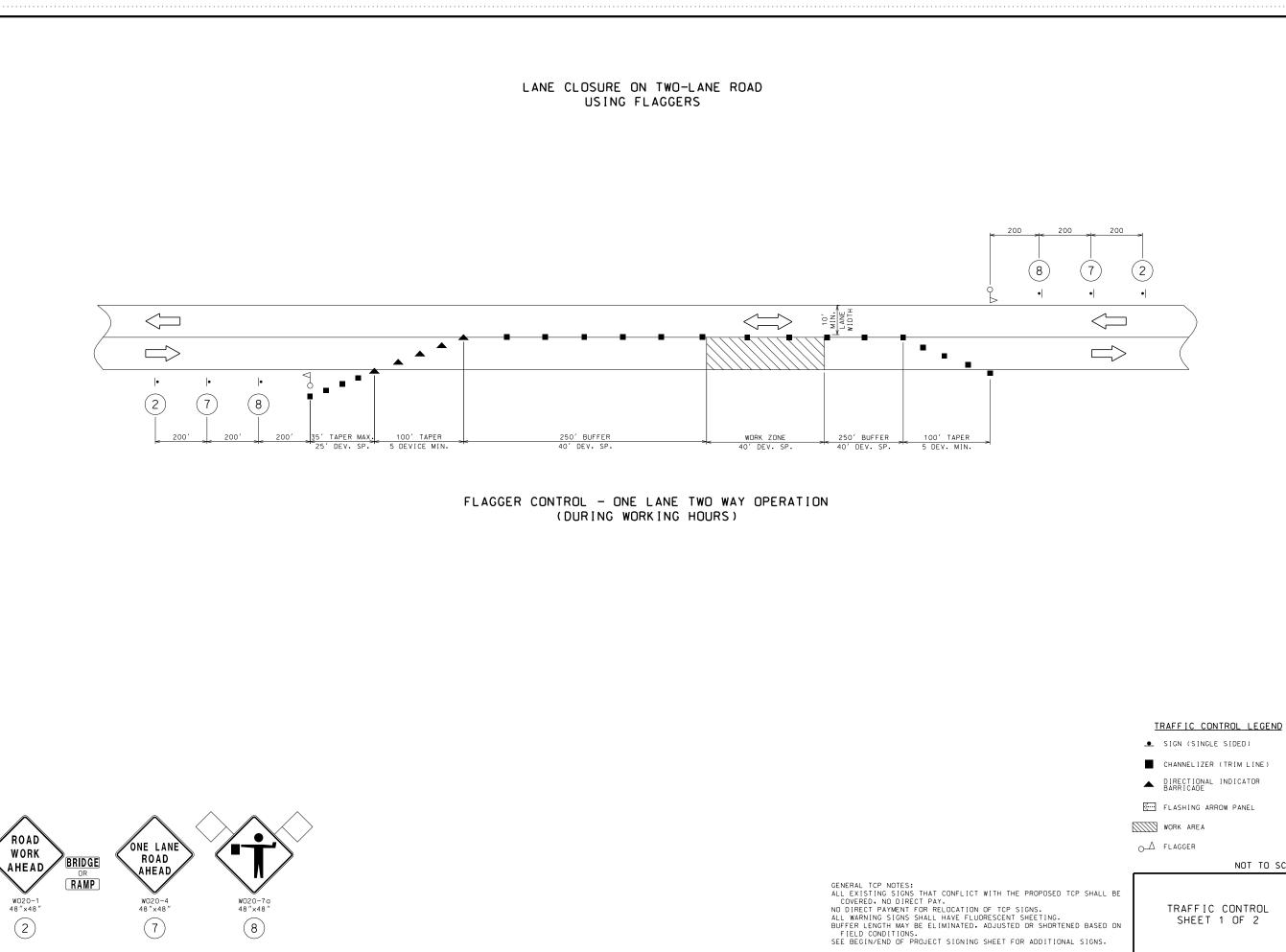
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SIGN IN. SQ.FT.EACH SQ.FT. EACH SQ.FT.	DESCRIPTION	SIGN IN.	SQ.FT.EACH SQ.FT. EACH SQ.FT.	DESCRIPTION	ITEM TOTAL		PE
WARNING SIGNS			GUIDE SIGNS		NUMBER QTY	DESCRIPTION	III COLORI
01-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1 36X48	12.00	GORE EXIT	6122008	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	alex
/01-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)		12.00	EXIT OPEN	6122009	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	09/04/202
/01-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36		EXIT CLOSED	6122010	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	Alex E
/01-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	GO20-1 60X24	10.00	ROAD WORK NEXT XX MILES	6122012	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	MO PE-
/01-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW)	GO20-2 48X24	8.00	END ROAD WORK	6122014	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	DATE
/01-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4 36X18		PILOT CAR FOLLOW ME	6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	9/4
/01-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	GO20-4a 42X30	8.75	PILOT CAR IN USE WAIT & FOLLOW	6122019	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	ROUTE
/01-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a 18X12	1.50	PILOT CAR IN USE WAIT & FOLLOW	6122020	REPLACEMENT SAND BARREL	
/01-46L 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-5aP 36X24	6.00	WORK ZONE (PLAQUE)	6122030	IMPACT ATTENUATOR (RELOCATION)	DISTRICT
/01-4br 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a 24X18		END DETOUR	6123000A	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	
/01-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L 48X36	12.00	DETOUR (LEFT ARROW)	6161008	ADVANCED WARNING RAIL SYSTEM	CT C
/01-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R 48X36		DETOUR (RIGHT ARROW)	6161012	BUOYS (BOATS KEEP OUT)	ST.
/01-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12		STREET NAME (PLAQUE)	6161013	BUOYS (NO WAKE)	1
/01-6a 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L 48X18		DETOUR (ARROW LEFT)	6161014	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	CONT
/01-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R 48X18		DETOUR (ARROW RIGHT)		CHANNELIZER (TRIM LINE)	
01-7a 72X36 18.00	DOUBLE HEAD HORIZ, ARROW (SYMBOL ON PERM, BARR,)		REGULATORY SIGNS		6161030	TYPE III MOVEABLE BARRICADE	PRO
01-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48	13.25	STOP		DIRECTION INDICATOR BARRICADE	
01-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)		. 6.93	YIELD	6161040	FLASHING ARROW PANEL	BR I
03-1 48X48 16.00	STOP AHEAD (SYMBOL)		9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161047	TYPE III OBJECT MARKER	
/03-2 48X48 16.00	YIELD AHEAD (SYMBOL)		2.50	ALL WAY (PLAQUE)	6161055	SEQUENTIAL FLASHING WARNING LIGHT	
03-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)		12.00	SPEED LIMIT XX	6161070	TUBULAR MARKER	
03-4 48X48 16.00	BE PREPARED TO STOP		16.00	NO RIGHT TURN (SYMBOL)	6161095	RADAR SPEED ADVISORY SYSTEM	
/03-5 48X48 16.00	SPEED LIMIT AHEAD		16.00	NO LEFT TURN (SYMBOL)	0101030	CHANGEABLE MESSAGE SIGN,	
/U3-5 48X48 16.00			9.00	NO TURNS	6161096		z
04-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)		16.00		סברוסוס	COMMISSION FURNISHED/RETAINED CHANGEABLE MESSAGE SIGN W/O COMM.	EL L
04-1aL 48X48 16.00	MERGE (SYMBOL FROM RIGHT)		6.25	NO U-TURN (SYMBOL)	6161098A 2		<u> </u>
	MERGE (ARROW SYMBOL)		6.25	LEFT LANE MUST TURN LEFT	6161098A 2	INTERFACE, CONTRACTOR FURNISHED/RETAINED	Ч
04-1aR 48X48 16.00 05-1 48X48 16.00	MERGE (ARROW SYMBOL) ROAD/BRIDGE/RAMP NARROWS		12.00	RIGHT LANE MUST TURN RIGHT DO NOT PASS	C1C1000	CHANGEABLE MESSAGE SIGN WITH COMM.	ES
					6161099	INTERFACE, CONTRACTOR FURNISHED/RETAINED	ā
105-3 48X48 16.00	ONE LANE BRIDGE		12.00	PASS WITH CARE	6162000A	WORK ZONE TRAFFIC SIGNAL SYSTEM	
/05-5 48X48 16.00	NARROW LANES		12.00	KEEP LEFT (HORIZONTAL ARROW)	6162002	TEMPORARY LONG-TERM RUMBLE STRIPS	
/D6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)		12.00	KEEP RIGHT (HORIZONTAL ARROW)		TEMPORARY TRAFFIC BARRIER	
/D6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)		6.25	DO NOT ENTER	6173600D	CONTRACTOR FURNISHED/RETAINED	
/06-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)		6.00	WRONG WAY		TEMPORARY TRAFFIC BARRIER	ш
107-3a 30X24 5.00	NEXT XX MILES (PLAQUE)		6.75	ONE WAY ARROW (LEFT)	6173602B	CONTRACTOR FURNISHED/COMMISSION RETAINED	AT
108-1 48X48 16.00	BUMP		6.75	ONE WAY ARROW (RIGHT)	6174000A	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
108-2 48X48 16.00	DIP		5.00	ONE WAY (LEFT)	6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER	
108-3 48X48 16.00	PAVEMENT ENDS		5.00	ONE WAY (RIGHT)		TEMPORARY TRAFFIC BARRIER	
/08-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12	2.00	SIDEWALK CLOSED	6176000B	COMMISSION FURNISHED/RETAINED	S
/08-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)			SIDEWALK CLOSED AHEAD,		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
/08-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L 24X18	3.00	(ARROW LEFT) CROSS HERE	6177000B	COMMISSION FURNISHED/RETAINED	
/08-6c 48X48 16.00	TRUCK ENTRANCE			SIDEWALK CLOSED AHEAD,	6208064A	TEMPORARY RAISED PAVEMENT MARKER	O I
/08-7 36X36 9.00	LOOSE GRAVEL	R9-11R 24X18	3.00	(ARROW RIGHT) CROSS HERE	9029400	TEMPORARY TRAFFIC SIGNALS	
/08-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36	6.00	STOP HERE ON RED (45° ARROW)	9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
08-9 48X48 16.00	LOW SHOULDER	R11-2 48X30	10.00	ROAD CLOSED	6169902	ADA COMPLIANT BARRICADE	
/08-11 48X48 16.00	UNEVEN LANES			ROAD CLOSED XX MILES AHEAD			
/08-12 48X48 16.00	NO CENTER LINE	R11-3a 60X30	12.50	LOCAL TRAFFIC ONLY			
/08-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30	12.50	ROAD CLOSED TO THRU TRAFFIC			SAI
08-15P 30X24 5.00	MOTORCYCLE (PLAQUE)	CONST-3A 60X48		FINE SIGN			Ś
/08-17 48X48 16.00	SHOULDER DROP-OFF (SYMBOL)	CONST-3X 56X12		SPEEDING/PASSING (PLATE)			
08-17P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)		MISCELLANEOUS SIGNS		I	1	ш
10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 48X36		POINT OF PRESENCE			
012-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48		POINT OF PRESENCE			∣₹
012-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	CONST-7 48X24		RATE OUR WORK ZONE			i i
012-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST-7 72X36		RATE OUR WORK ZONE			
012-20 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8 48X36		WORK ZONE NO PHONE ZONE	* NO DIRECT	PAY WILL BE MADE FOR RELOCATION OF	
012-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD			SAR ZONE NO FROME ZONE	CONSTRUCTION	SIGNING OR DEVICES.	
/012-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD				NOTES -		
013-1 30X30 6.25	ADVISORY SPEED (PLAQUE)				NOTES:		
/016-2 30X24 5.00	XXX FEET (PLAQUE)				SIGN QUANTIT	IES HAVE BEEN ESTIMATED. TEMPORARY TRAFFIC	
/016-3 30X24 5.00	X MILE (PLAQUE)				CONTROL SHAL	L FOLLOW AT A MINIMUM MUTCD STANDARDS,	
					LATEST EDITI	UN.	
1020-1 48X48 16.00 2 32.00 2	ROAD/BRIDGE/RAMP WORK AHEAD						
020-3 48X48 16.00	ROAD CLOSED 200 FT				ALL WARNING	SIGNS SHALL HAVE FLORESCENT SHEETING.	Den
D20-3 48X48 16.00	ROAD CLOSED AHEAD						
020-4 48X48 16.00 2 32.00 7	ONE LANE ROAD AHEAD	616-10.05					
020-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD		DN SIGNS 96.00				
/020-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10	TOTAL				
/020-6a 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED S	SIGNS 0	DISCLAIMER THE PROFESSIONAL WHOSE SIGNATURE AND PERSON	AL.		FK•Mc
/020-7a 48X48 16.00 2 32.00 8	FLAGGER (SYMBOL, WITH FLAGS)			THE PROFESSIONAL WHOSE SIGNATURE AND PERSON SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND			
/021-2 36X36 9.00	FRESH OIL			DISCLAIMS (PURSUANT TO SECTION 527.411 RSMU)		
/021-5 48X48 16.00	SHOULDER WORK AHEAD			SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE			
/022-1 48X48 16.00	BLASTING ZONE AHEAD			UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS O			
/022-2 42X36 10.50	TURN OFF 2-WAY RADIO AND PHONE	1		THE PROJECT TO WHICH THIS PAGE REFERS.			EI
/022-3 42X36 10.50	END BLASTING ZONE					SUMMARY OF QUANTITIES	
	WET PAINT (ARROW PIVOTS)	1					
022-1 21X15 2.19							

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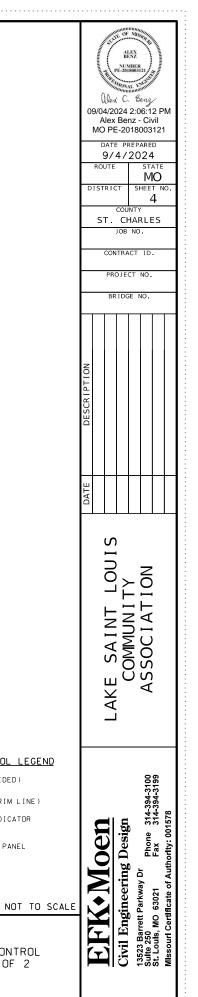


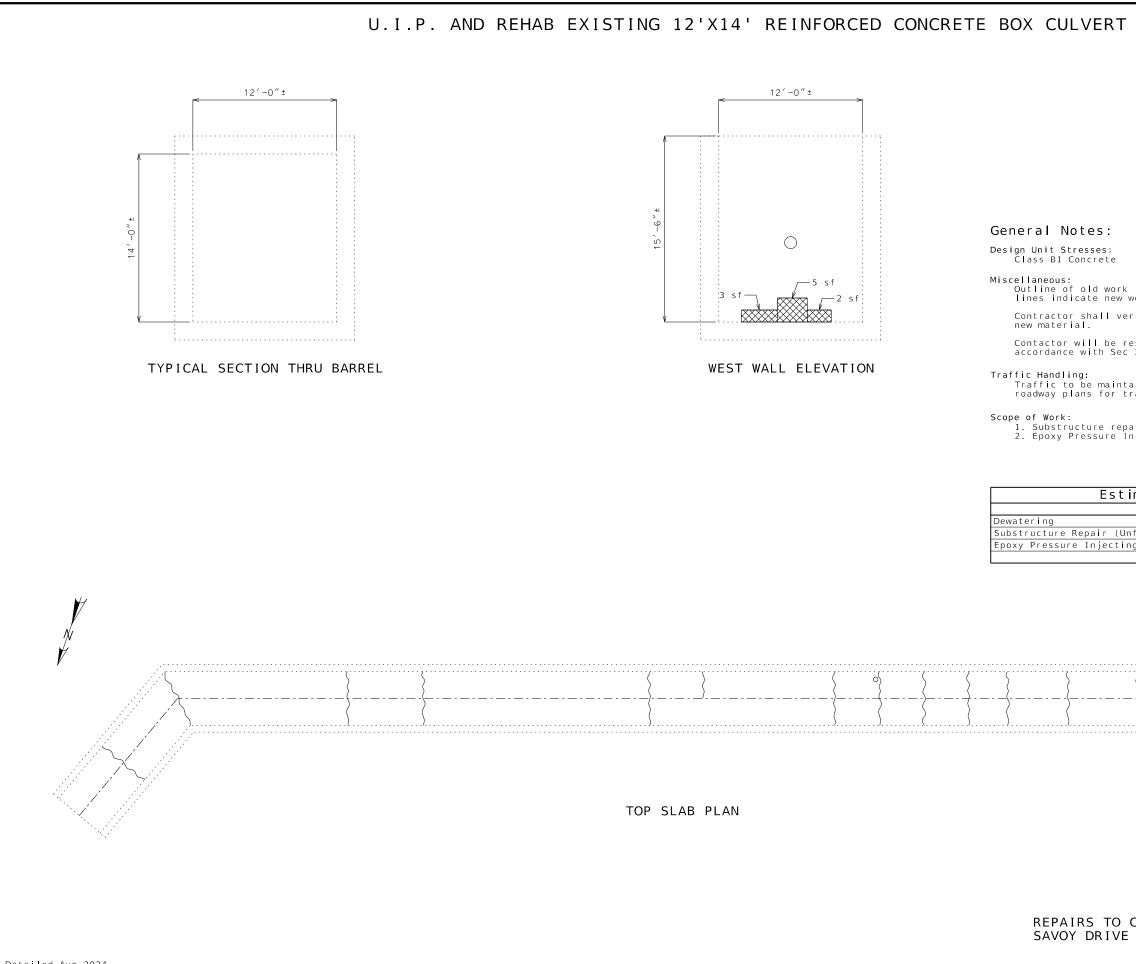
THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOW TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE CITY AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE CITY EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELICANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE CITY SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION, AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

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LAKE SAINT LOUIS	DATE PREPARED 9/4/2024 ROUTE STATE MO DISTRICT SHEET NO. 3 COUNTY ST. CHARLES JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.
	DATE DESCRIPTION
	LAKE SAINT LOUIS COMMUNITY ASSOCIATION
	EFK+MOED Civil Engineering Design 13523 Barrett Parkway Dr Sulte 250 St. Louls, MO 63021 Fax 314-394-3199 Missouri Certificate of Authority: 001578
PLAN SHEET	Civil En Civil En Sulte 250 St. Louls, M Missouri Cer

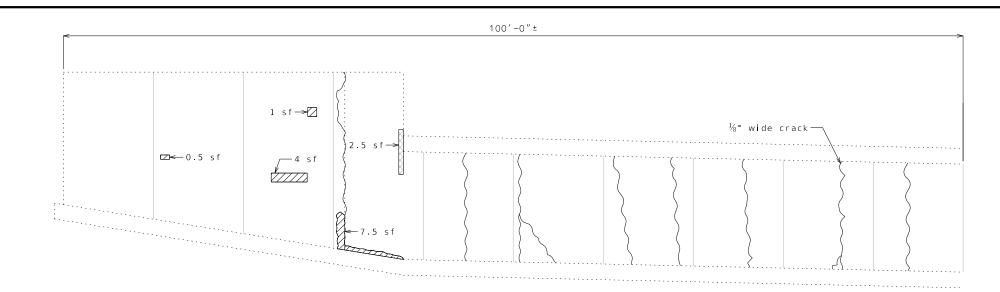


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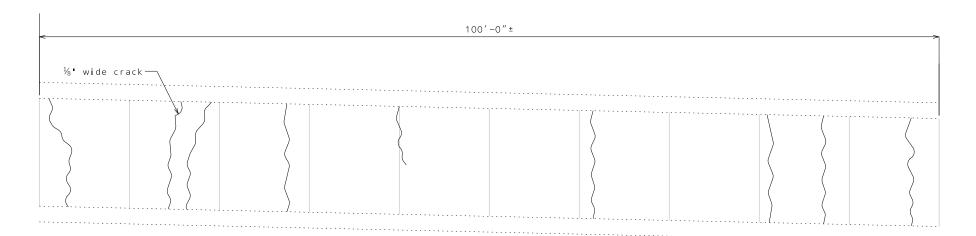




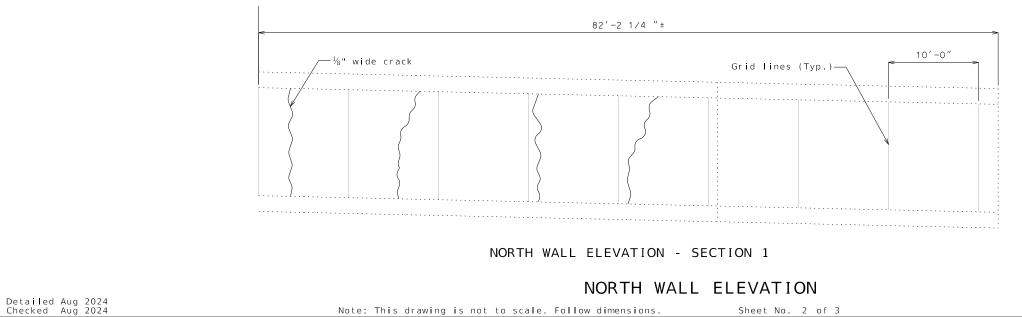
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LEGEND	09/04/2024 2:06:26 PM Alex Benz - Civil MO PE-2018003121
💋 Spalling	DATE PREPARED 9/4/2024
🔀 Spalling w/ exposed rebar	ROUTE STATE MO
<pre> Hairline Crack, unless noted otherwise</pre>	DISTRICT SHEET NO.
	ST CHARLES JOB NO
	CONTRACT 1D.
f'c = 4,000 psi	PROJECT NO.
k is indicated by light dashed lines. Heavy	BRIDGE NO.
work. erify all dimensions in field before orderin	ng
responsible for dewatering the site in c 206 (See Special Provisions).	NOT
tained on structure during construction. See traffic control.	
pair (Unformed) as noted on plans. Injecting all cracks greater than 1/8".	
	DATE
imated Quantities	
Item Total	S
Jnformed) sq. foot 66 ing linear foot 84	
	LAKE SAINT LO COMMUNITY ASSOCIATIO
CULVERT: E OVER LAKE ST. LOUISE	EFK+MOEM Civil Engineering Design 13523 Barrett Parkway Dr Sulte 250 St. Louls, MO 63021 Park 314-3493 Ris. Louls, MO 63021 Park 314-3499 Missourl Certificate of Authority: 001578



NORTH WALL ELEVATION - SECTION 3







0:\2022R3\MoDOT_ORD_v10.12.02.04\24051 LSLCA Spillway Repairs\DGN\Bridge\Preliminary\Plotsheets\24051_006_North Wall.dgn 9:17:28 AM 9/4/2024

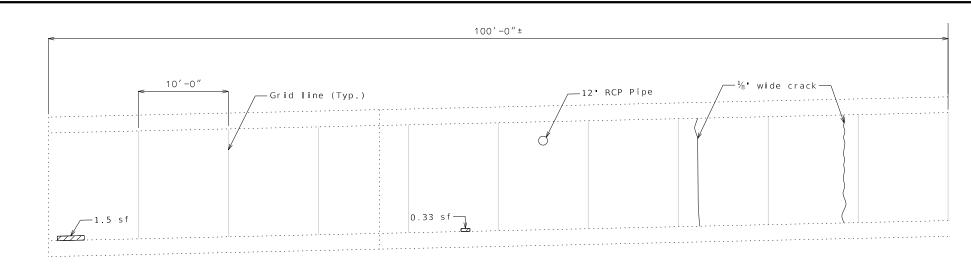
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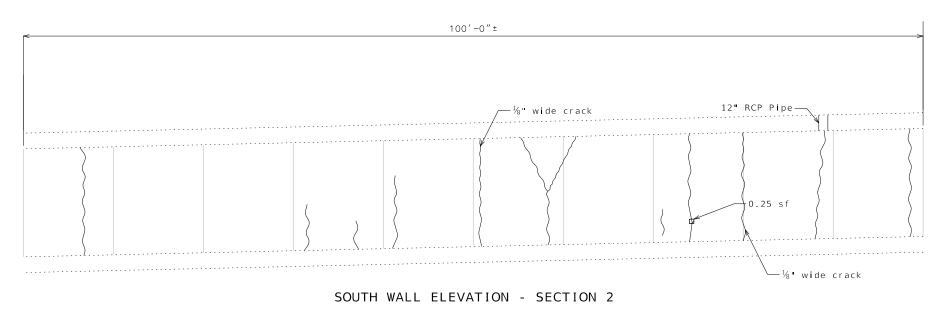
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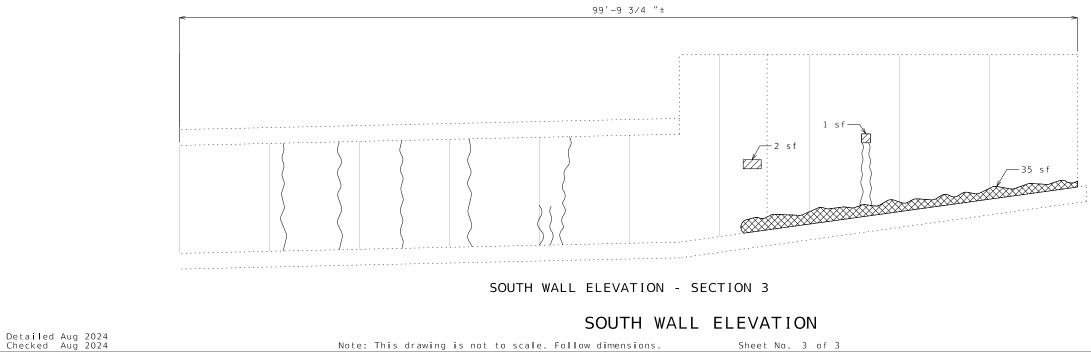
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