DESIGN DESIGNATION

A.A.D.T. - 2023 = 67218 (EB) A.A.D.T. - 2043 = 74270 (EB) D.H.V. = 17% T = 11.7% V = 60 M.P.H.

D = 50%(EB), 50%(WB)

LOCATION OF STL COUNTY

I - 270 CULVERT CLEANOUT TRIPLE BOX (12'X15'/CELL) X 318'LONG CULVERT #A1241

ST. CHARLES CO.

ST.LOUIS CO

CREVE COEUR ا141ً/

FUNCTIONAL CLASSIFICATION-INTERSTATE

NO RIGHT OF WAY ACQUISITION

CONVENTIONAL SYMBOLS

(USED IN PLANS	5)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000 0000 11 17	
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FOOTVUTV OT UT OE UE SS G W	-F0- -OTV- -UTV- -OT- -UT- -OE- -S- -SS- -G-
MANHOLE	SAN HYD)
FIRE HYDRANT	wv C	1
WATER VALVE	wv_C)
WATER METER	D."")
DROP INLET	Ï	
DITCH BLOCK	#	⊨
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	——————————————————————————————————————	
BENCHMARK	(>)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

SAINT LOUIS COUNTY INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

I-270 DRAINAGE IMPROVEMENTS 0.105 MILES

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION 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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NOT TO SCALE

67

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
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QUANTITIES (QU) (4 SHEETS)	3
PLAN-PROFILE (PP or PR)	4 - 8
REFERENCE & COORD POINTS (CP)	9
SPECIAL SHEETS (SS)	10-12
TRAFFIC CONTROL SHEETS (TC)	13-18
EROSION CONTROL SHEETS (EC)	19-21
CULVERT SECTIONS (CS)	22-23
CROSS SECTIONS (XS)	1-20

THILITINIAN.	S PROSILIT B BAR	(SS) (1)11 11/26K RRY M	. BER O-PE	MAN BER 7867 1111 8:47:4 GMA 1786) 8 AM N - CI 7	A BEST OF THE PERSON OF THE PE	WWW.					
	DATE PREPARED 11/26/2024 ROUTE STATE											
I	- 2	27			M	O						
	S					T NO).					
		ST		Oι	JIS	5						
		JS		45								
		CON	TRA	СТ	ID	•						
		PRO	IJΕ	СТ	NO.							
		BR	IDG	E N	NO.							
DESCRIPTION												

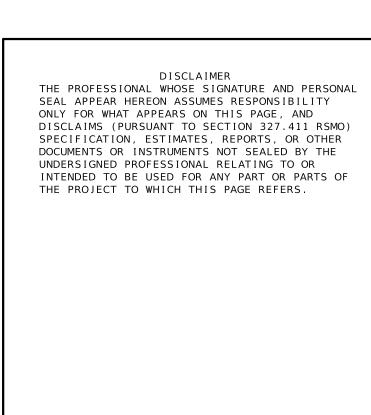
LENGTH OF PROJECT

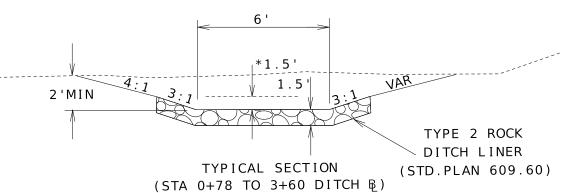
BEGINNING OF PROJECT STA. 50 + 45.6 STA. 56 + 00.0 END OF PROJECT 554.4 FEET APPARENT LENGTH

TOTAL CORRECTIONS	0.0	FEET
NET LENGTH OF PROJECT	554.4	FEET
STATE LENGTH	0.105	MILES

EQUATIONS AND EXCEPTIONS:

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES 3 ACRES





8'

*2'

TYPE 2 ROCK
DITCH LINER

(STA 4+40 TO 5+43 DITCH ₽)

(STD.PLAN 609.60)

(STD.PLAN 609.60) * DEPTH OF ROCK DITCH VARIES FROM 1.5'D @ 3+60 TO 2'D @ 4+40

NOTE: DITCH WIDTH TAPERS FROM 6' TO 8'
BETWEEN 3+60 AND 4+40

DITCH DEPTH TO BE MINIMUM OF 2'DEEP

(ROCK DITCH LINER THICKNESS MAY BE

ALTERED WITHIN SPECS TO GET THIS 2')

DESCRIPTION

BAIDGE NO.

11/10/2024

I - 270 MO

ST LOUIS

JOB NO.

JSLM0045

CONTRACT ID.

PROJECT NO

2

SL

SOUR! HIGHWAYS AND TRANSPORTATION
COMMISSION

MODOT

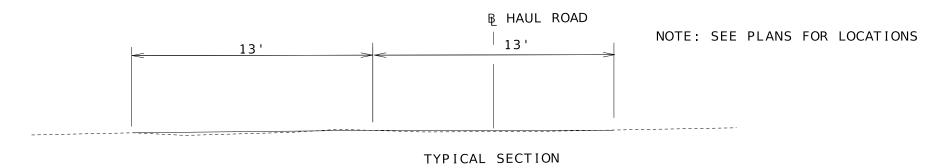
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (11-888-275-6638)

YPICAL SECTION

₽ HAUL ROAD

TYPICAL SECTION
SINGLE LANE HAUL ROAD



DOUBLE LANE HAUL ROAD

NOT TO SCALE

	REMOVAL OF IMPROVEMENTS											
					QUANTITIY	QUANTITY	QUANTITY					
SHEET	RDWY	STATION	STATION	LOCATION	DESCRIPTION	(LF)	(TONS)	(EACH)	REMARKS			
4	AUTUMN LAKES DR	NA	NA	RT	CHAIN LINK FENCE	40			CHAIN LINK FENCE AT SPOIL AREA			
4	AUTUMN LAKES DR	NA	NA	RT	CHAIN LINK FENCE	120			CHAIN LINK FENCE AT PROP HAUL RD			
4	HAUL ROAD AREA	6+56		CL	GRAVEL FOR HAUL ROAD		84		GRAVEL REMOVAL AT HAUL ROAD			
4	HAUL ROAD AREA	6+56		CL	2 - 15" x 65' PIPES FOR HAUL ROAD	130			PIPES TO BE REMOVED AFTER CONSTRUCTION			
4	HAUL ROAD AREA	9+70		CL	1 - 15" x 65' PIPES FOR HAUL ROAD	65			PIPE TO BE REMOVED AFTER CONSTRUCTION			
4	HAUL ROAD AREA	9+70		CL	GRAVEL FOR HAUL ROAD		94		GRAVEL REMOVAL AT HAUL ROAD			
4	AUTUMN LAKES DR	N/A	N/A	RT	CONC CURB	50			50'OF CURB IF DAMAGED DURING HAULING @ HAUL RD			
5	I - 270	53+75	56+00	LT	CHAIN LINK FENCE	240			CHAIN LINK FENCE THROUGH SILTED AREA			
5	I - 270	50+70	55+20	LT	CONC FLAT BOTTOM DITCH	450			6'-8' WIDE CONC FLAT BOTTOM DITCH			
5	AUTUMN LAKES DR	N/A	N/A	RT	CONC CURB	50			50'OF CURB IF DAMAGED DURING HAULING @ HAUL RD			
PAY TOTA	L = 1 LUMP SUM				<u> </u>							

CONTRACTOR FURNISHED SURVEY - TOTAL = 1.0 LUMP SUM

MOBILIZATION - TOTAL = 1.0 LUMP SUM

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	CLEARING AND GRUBBING									
PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	CLEAR I NG AND GRUBB I NG (AC)	REMARKS					
4 & 5	I - 270	37+50.0	55+20.0	2.9	ENTIRE PROJECT SITE WHERE NEEDED OR APPROVED BY ENGINEER					
	<u> </u>		TOTAL	2.9						
			PAY TOTAL	3						

	EARTHWORK										
PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	COMPACTING IN CUT (STA)	REMARKS				
4	I - 270			1761.9		6.0	AT SEDIMENT SITE (AREA WHERE NEW DITCH GOES)				
5	I - 270				2035.9		AT SPOIL SITE				
5	I - 270				435.4		FROM NEW DITCH CONSTRUCTION (SEE ROCK LINING QUANTITIES, WILL GO TO SPOIL SITE)				
			TOTAL	1761.9	2471.3	6.0					
			PAY TOTAL	1762	2471	6.0					
							NOTE: CLASS A & DITCH EXCAVATION TO BE PLACED AT SPOIL SITE (SEE PLANS)				

END AREA VOLUMES (FOR ABOVE EW INFO ONLY)

CUT MATERIAL

STA OFF CL 270	CUT	FILL	CUT	FILL
	SF	SF	CY	CY
49+00	0	0		
			0.0	0
49+50	0	0		
			0.0	0
50+00	0	0		.
50.50	0	0	0.0	0
50+50	U	0	22.3	0
51+00	24.1	0	22.5	· I
	22	· ·	44.4	0
51+50	23.8	0		
			40.1	0
52+00	19.5	0		
			36.6	0
52+50	20	0		
53.00	10.5		36.7	0
53+00	19.6	0	35.6	0
53+50	18.8	0	33.0	·
133130	10.0	· ·	59.3	0
54+00	45.2	0		,
			150.7	0
54+50	117.6	0		
			500.4	0
55+00	422.8	0		
l			613.7	0
55+50	240	0	222.2	
56+00	0	0	222.2	0
30+00	U	U	1762.0	0
			1/02.0	

SUMMARY OF QUANTITIES
SHEET 1 OF 4

DESCRIBET NO.

BRIDGE NO.

BRIDGE NO.

BRIDGE NO.

BRIDGE NO.

ΞIN	D AKEA VO		FILL MATER		INFO ONL
	STA OFF CL 270	CUT	FILL	CUT	FILL
		SF	SF	CY	CY
	36+90	0	0		
				0	12.8
	37+00	0	69.1		
	37+50	0	168.2	0	219.7
		-		0	340.9
	38+00	0	200		
				0	365.0
	38+50	0	194.2	0	344.3
	39+00	0	177.6	U	344.3
		-		0	205.0

109.4

231.9

163.8

62.5

39+50

40+00

40+50

41+00

	ROCK DITCH LINING										
PLAN SHEET		BEGIN	END	FURNISHING TYPE 2 ROCK DITCH LINER	PLACING TYPE 2 ROCK DITCH LINER	SEPERATION GEOTEXTILE					
NO.	ROADWAY	STATION	STATION	(CY)	(CY)	(SY)	REMARKS				
5	DITCH BL	0+78	3+60	219.3	219.3	564.0	6' WIDE FB DITCH W/18"THICK DITCH LINING				
5	DITCH BL	3+60	4+40	72.6	72.6	195.6	6' -8' WIDE FB DITCH W/18"-24"THICK DITCH LINING (SEE PLANS)				
5	DITCH BL	4+40	5+43	144.5	144.5	274.7	8' WIDE FB DITCH W/24"THICK DITCH LINING				
5	N/A			16.7	16.7	68.0	* PORTION OF DITCH PAST CULVERT OUTLET ROCK AT 4'X4' BC OUTLET				
			TOTAL	453.1	453.1	1102.3					
			PAY TOTAL	453	453	1102					

[∤] IN ADDITION TO	IHE	ROCK	LINING	FOR	CULVERI	OUTLETS
-----------------------------	-----	------	--------	-----	---------	---------

	ROCK LINING (AT CULVERT OUTLET)										
PLAN SHEET	DOADWAY	BEGIN	END	ROCK LINING	DEMARKS						
NO.	ROADWAY	STATION	STATION	(CY)	REMARKS						
5	I - 270	55+00	55+00	22.0	AT 4'x4' BOX CULVERT OUTLET TO ROCK LINED DITCH						
			TOTAL	22.0							
			PAY TOTAL	22							

	CURBING										
PLAN SHEET NO.	ROADWAY	BEGIN END AY STATION STATION		CONCRETE CURB TYPE M (LF)	REMARKS						
4 & 5	AUTUMN LAKES DR NA NA		NA	100.0	CURB TO BE PLACE AT LOCATIONS DAMAGED BY HAULING MATERIAL						
			TOTAL PAY TOTAL	100.0 100							

	FENCING											
				48 INCH								
PLAN				CHAIN LINK								
SHEET		BEGIN	END	FENCE								
NO.	ROADWAY	STATION	STATION	(CY)	REMARKS							
4	AUTUMN LAKES DR	NA	NA	40.0	PLACE FENCE AT PROP HAUL ROAD EXIT (SEE PLANS)							
4	AUTUMN LAKES DR	NA	NA	120.0	PLACE FENCE AT PROP HAUL ROAD ENT (SEE PLANS)							
5	I - 270	53+75 56+00		220.0	FENCE WILL HAVE 20' GAP AT NEW DITCH LOCATION							
			TOTAL	380.0								
			PAY TOTAL	380								

	CULVERT CLEANOUT											
PLAN				CULVERT								
SHEET		BEGIN	END	CLEANOUT								
NO.	ROADWAY	STATION	STATION	(EA)	REMARKS							
5	I - 270	55+00	55+00	1	SINGLE CELL EX 4'X 4' BOX CULVERT AT EXIT (SUBMERGED IN EX CONDITION)							
8	AUTUMN LAKES DR	NA	NA	1	TRIPLE CELL EX (3 - 12'X 15') BOX CULVERT AT MIDLAND CREEK							
			TOTAL	2								
			PAY TOTAL	2]							

TRIPLE CELL CULVERT HAS APPROX. 577 CY OF SILT TO BE REMOVED (SEE CULVERT SEC)

NUMBER
PE-17867

NAMA
BARRY MESENGHAM - CIVIL
MOPE-17867

DATE PREPARED

11/10/2024

ROUTE
I - 270 MO
DISTRICT SHEET NO.
SL 3

COUNTY
ST. LOUIS
JOB NO.
JSLM0045
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPA COMMISSION

MADOT

1 000 ACM MORAT 1 005 WE

SUMMARY OF QUANTITIES
SHEET 2 OF 4

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WINTE OF MISSON	٠.
BARRY M. BERGMAN DEBRICATION OF MISSON BERGMAN DEBRICATION OF MISSON BERGMAN DEBRICATION OF MISSON 11/12/20/20/20 90/24 AM BARRY M. BERGMAN - CVILL MO-PE-17867 DATE PREPARED	(A)
THE SO WAL ENGLISH	
Baung Bung man 11/12/2024 9:05:44 AM BARRY M. BERGMAN - CIVIL MO-PE-17867	,
DATE PREPARED 11/10/2024	

DATE PREPARED								
11/10/2024								
ROUTE STATE								
I - 270	MO							
DISTRICT	SHEET NO.							
SL	3							
COUNTY								

ST.LOUIS JSLM0045 CONTRACT ID.

PROJECT NO

┨					
	DESCRIPTION				
	DATE				

DESCRIPTIO				
DATE				
NOI			ITOI	5102

		FUL	L DEPTH PAVEMENT RE	PAIR
	EIII I DEDTH DAVEMENT DE	DAIDC		

			1					
II			FULL DEPTH PAVEMENT RE	PAIRS				
			FURNISH AND PLACE	SUBGRADE	TYPE I OR V AGG	SAW CUT	DOWEL BAR	
	FULL DEPTH	FULL	CONCRETE MATERIAL FOR	COMPACTION FOR	BASE FOR	PERM.AND INTER.FOR	DRILLING, FURN & INSTALL FOR	
	REPAIR	DEPTH	FULL-DEPTH PVMT REPAIR	FULL DEPTH PVMT REPAIR				
RTE	SIZE	(SY)	(SY)	(SY)	(SY)	(LF)	(EACH)	REMARKS
AUTUMN LAKES	AS NEEDED	30	30.0	3.0	3.0	157.5	45	USED IF CONC PVMT IS DAMGED DURING HAULING
		TOTALS	30.0	3.0	3.0	157.5	45	
		PAY TOTALS	30.0	3	3	158	45	

					PERMANENT	SEEDING AND	MULCHING
PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	SEEDING WARM SEASON GRASSES (AC)	MUL CH I NG (AC)	ADDITIONAL MOBILIZATION FOR SEEDING (EA)	REMARKS
4	I - 270	36+70	46+80	1.4	1.4		INCLUDES SPOIL AREA AND HAUL ROAD LOCATION
5	I - 270	46+80	55+50	0.6	0.6		INCLUDES HAUL ROAD AND CLASS A EXC AREA
8	I - 270	83+00	93+00	0.9	0.9		INCLUDES EITHER SIDE OF I-270 AT BOX CULVERT AND HAUL ROAD
						2	EACH OCCURANCE (AT SPOIL/DITCH LOCATION AND AT MIDLAND CK CULVERT CLEANOUT LOCATION
			TOTAL	2.9	2.9	2	
			PAY TOTAL	2.9	2.9	2	

	TEMPORARY EROSION CONTROL														
PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	LOCATION	ALTERNATE DITCH CHECK COUNT	ROCK DITCH CHECK COUNT	ALTERNATE DITCH CHECK (LF)	ROCK DITCH CHECK (LF)	SILT FENCE (LF)	SEDIMENT TRAP ROCK (CY)	SEDIMENT TRAP EXCAVATION (CY)	SEDIMENT REMOVAL (CY)	TEMPORARY SEEDING (AC)	TYPE 1D EROSION CONTROL BLANKET (SY)	REMARKS
18	I - 270	36+65	46+80		21	2	252.0	24.0	2235.0	(= - ,	(,	(,	1.4	(= - ,	INCLUDES SPOIL AREA AND HAUL ROAD LOCATION
19	I - 270	46+80	55+65			3		36.0	1837.0	19.0	19.0	55.4	0.6		INCLUDES HAUL ROAD AND CLASS A EXC AREA
20	I - 270	90+85	92+67	LT OF I-270					380.0				0.2	866.7	
20	I - 270	81+00	92+50	RT OF I-270					1276.0				1.2	944.4	AT HAUL ROAD LOCATION
			TOTAL			\sim	252.0	60.0	5728.0	19.0	19.0	55.4	3.4	1811.1	
			PAY TOTAL				252	60	5728	19.0	19.0	55	3.4	1811	

ASSUME AN AVERAGE LENGTH OF 12 LINEAR FEET FOR ROCK & ALTERNATE DITCH CHECKS

	HAUL ROAD CONSTRUCTION											
PLAN SHEET		BEGIN	END	GRAVEL	CLASS I LINEAR GRADING	15" GROUP C						
NO.	ROADWAY	STATION	STATION	(TON)	(STA)	(LF)	REMARKS					
4	HAUL ROAD	6+56		84		130	USE (2) 65' PIPES AT FIRST EX DITCH CROSSING FOR HAUL ROAD					
4 & 5	HAUL ROAD	0+00	17+89		17.9		USED FOR HAUL ROAD CONSTRUCTION IF NECESSARY (AND BRINGING BACK TO EX)					
4	HAUL ROAD	9+70		94		65	USE (1) 65' PIPE AT SECOND EX DITCH CROSSING FOR HAUL ROAD					
8	HAUL ROAD	N/A	N/A		9.0		USED FOR HAUL ROAD CONSTRUCTION IF NECESSARY (AND BRINGING BACK TO EX)					
			TOTAL	178	26.9	195						
			PAY TOTAL	178	26.9	195	DIDE SHOULD BE DOD RASED ON STANDARD MINIMUM BOOK FILL HEIGHT OVER DIDE					

PIPE SHOULD BE RCP BASED ON STANDARD MINIMUM ROCK FILL HEIGHT OVER PIPE GRAVEL BASED BASED ON 1.4 TONS/CY OF MATERIAL

SUMMARY OF QUANTITIES SHEET 3 OF 4

															EFFECTIVE: 07-01-2024
			TOTAL QTY T	OTAL SIGN						QTY TOTAL SIGN					EFFECTIVE. 07-01-2024
	SIZE	AREA	1 1 1 1				SIZE	ARFALOT	YTOTAL	RELOC RELOC NUM.					
SIGN	1		1 1 1 1	Q FT		SIGN		l l'		EACH SQ FT			тем тот	тат	
1 310N	1	34.11	WARNING SIGNS	.4.1.1.1	DESCRIPTION	3101	1		IDE SIG		ł	DESCRIPTION	NUMBER QT		DESCRIPTION
WO1 - 1L	48X48	16.00			TURN (SYMBOL LEFT)	E05-1	36X48		TDL SIC		GORE		6122008	_	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1 - 1R	_	16.00			TURN (SYMBOL RIGHT)	E05-2	48X36				EXIT		6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L	48X48	16.00			CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00			EXIT	CLOSED	6122010	1	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R	_	16.00			CURVE (SYMBOL RIGHT)		60X24					WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L	_	16.00			REVERSE TURN (SYMBOL LEFT)			8.00 2	16			OAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R WO1-4L	_	16.00			REVERSE TURN (SYMBOL RIGHT) REVERSE CURVE (SYMBOL LEFT)	GO20-4 GO20-4a						CAR FOLLOW ME CAR IN USE WAIT & FOLLOW	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS) IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4L		16.00			REVERSE CURVE (SYMBOL RIGHT)	GO20 - 4a						CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4b		16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)			6.00 2	12			ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
WO1-4b	R 48X48	16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4 - 8 a	24X18	3.00			END D	ETOUR	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)
WO1-4c	_	16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4 - 9L	48X36					R (LEFT)	6161008		ADVANCED WARNING RAIL SYSTEM
	R 48X48				TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)		48X36					R (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)
WO1-6 WO1-6a	_	12.50			HORIZONTAL ARROW (SYMBOL) HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4 - 9P	48X12					T NAME (PLAQUE) R ARROW (LEFT)	6161013		BUOYS (NO WAKE) SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1 - 7		12.50			DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4 - 10R						R ARROW (RIGHT)			CHANNELIZER (TRIM LINE)
WO1-7a	_	18.00			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)				GULATOR	Y SIGNS	1		6161030		TYPE III MOVEABLE BARRICADE
WO1-8	18X24	3.00			CHEVRON (SYMBOL)	R1-1	48X48	13.25			STOP		6161033 2	1 0	DIRECTION INDICATOR BARRICADE
WO1-8a	_	7.50			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.				YIELD				FLASHING ARROW PANEL
WO3 - 1		16.00			STOP AHEAD (SYMBOL) YIELD AHEAD (SYMBOL)	R1-2a	36X36					COMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
WO3 - 2 WO3 - 3		16.00			SIGNAL AHEAD (SYMBOL)	R1-3P R2-1	30X12	12 00 4	48			AY (PLAQUE) LIMIT 50 (2) - 60 (2)	6161055 6161070		SEQUENTIAL FLASHING WARNING LIGHT TUBULAR MARKER
WO3 - 4		16.00			BE PREPARED TO STOP	R3-1	48X48		170			GHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
WO3 - 5		16.00			SPEED LIMIT AHEAD	R3-2	48X48					FT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN,
WO4-1L	_	16.00			MERGE (SYMBOL FROM LEFT)	R3-3	36X36				NO TU		6161096		COMMISSION FURNISHED/RETAINED
WO4 - 1R	_	16.00			MERGE (SYMBOL FROM RIGHT)	R3-4	48X48					TURN (SYMBOL)		₹ * *	CHANGEABLE MESSAGE SIGN W/O COMM.
WO4 - 1 a	_	16.00			MERGE (LEFT)	R3-7L	30X30					LANE MUST TURN LEFT	6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO4 - 1a WO5 - 1	48X48	16.00			MERGE (RIGHT) ROAD/BRIDGE/RAMP NARROWS	R3-7R R4-1	30X30 36X48					LANE MUST TURN RIGHT T PASS	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5 - 3		16.00			ONE LANE BRIDGE	R4-2	36X48					WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5 - 5	_	16.00			NARROW LANES	R4-7a	36X48	12.00			KEEP	RIGHT (HORIZONTAL ARROW)	6162002	1	FEMPORARY LONG-TERM RUMBLE STRIPS
WO6 - 1		16.00			DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00			KEEP	LEFT (HORIZONTAL ARROW)		1	TEMPORARY TRAFFIC BARRIER
WO6 - 2	_	16.00			DIVIDED HIGHWAY END (SYMBOL)	R5 - 1	30X30					TENTER	6173600D		CONTRACTOR FURNISHED/RETAINED
WO6 - 3		16.00			TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24				WRONG		61736038		FEMPORARY TRAFFIC BARRIER
WO7 - 3a WO8 - 1		16.00			NEXT XX MILES (PLAQUE) BUMP	R6-1L R6-1R	54X18 54X18					AY ARROW (LEFT) AY ARROW (RIGHT)	6173602B 6174000A		CONTRACTOR FURNISHED/COMMISSION RETAINED FEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8 - 2	_	16.00			DIP	R6-2L	24X30					AY (LEFT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8 - 3		16.00			PAVEMENT ENDS	R6-2R	24X30					AY (RIGHT)			TEMPORARY TRAFFIC BARRIER
WO8 - 4		16.00			SOFT SHOULDER	R9-9	24X12	2.00			SIDEW	ALK CLOSED	6176000B	(COMMISSION FURNISHED/RETAINED
WO8 - 5		16.00			SLIPPERY WHEN WET (SYMBOL)		24710					ALK CLOSED AHEAD,			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8 - 6 c	_	16.00			TRUCK CROSSING TRUCK ENTRANCE	R9-11L	24X18	3.00			<u> </u>	W LEFT) CROSS HERE ALK CLOSED AHEAD,	6177000B 6208064A		COMMISSION FURNISHED/RETAINED FEMPORARY RAISED PAVEMENT MARKER
WO8 - 7		9.00	0 90		LOOSE GRAVEL	R9-11R	24X18	3.00				W RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS
WO8 - 7a	_	9.00			FRESH OIL / LOOSE GRAVEL	R10-6	24X36					HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8 - 9	48X48	16.00			LOW SHOULDER	R11-2	48X30	10.00			ROAD	CLOSED			
	48X48				UNEVEN LANES							CLOSED XX MILES AHEAD			
	48X48				NO CENTER LINE	R11-3a						TRAFFIC ONLY	THE BROEF	FCC 1	DISCLAIMER
	48X48 P 30X24				GROOVED PAVEMENT MOTORCYCLE (PLAQUE)	R11-4 CONST-3A					FINE	CLOSED TO THRU TRAFFIC			ONAL WHOSE SIGNATURE AND PERSONAL HEREON ASSUMES RESPONSIBILITY
	48X48				SHOULDER DROP-OFF (SYMBOL LEFT)	CONST - 32						ING/PASSING (PLATE)			T APPEARS ON THIS PAGE, AND
WO8 - 17	R 48X48	16.00			SHOULDER DROP-OFF (SYMBOL RIGHT)			MI	SCELLAN	IEOUS SIGNS					PURSUANT TO SECTION 327.411 RSMO)
	P 30X24				SHOULDER DROP-OFF (PLAQUE)	CONST-5					POINT	OF PRESENCE			N, ESTIMATES, REPORTS, OR OTHER
	42RND				RAILROAD CROSSING	CONST - 5						OF PRESENCE	DOCUMENTS	S OR	INSTRUMENTS NOT SEALED BY THE
	24X24 48X48				DOUBLE DOWN ARROW (SYMBOL)	CONST-8	48X36	12.00 2	24		WORK	ZONE NO PHONE ZONE	UNDERSIGN	NED	PROFESSIONAL RELATING TO OR
	48X48 x 24X18				LOW CLEARANCE (SYMBOL) LOW CLEARANCE (PLAQUE)										BE USED FOR ANY PART OR PARTS OF
	a 84X24				OVERHEAD LOW CLEARANCE (FEET AND INCHES)								THE PROJE	ECT	TO WHICH THIS PAGE REFERS.
WO12-4	120X60	50.00			LOW CLEARANCE XX FT XX IN XX MILES AHEAD										
	120X60				WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD										
	30X30				ADVISORY SPEED (PLAQUE)										
	30X24				XXX FEET (PLAQUE)										
	30X24 48X48		6 96		X MILE (PLAQUE) ROAD/BRIDGE/RAMP WORK AHEAD										
	48X48				DETOUR AHEAD										
WO20-3	48X48	16.00			ROAD CLOSED AHEAD	616-10	.05		TOTAL						
	48X48				ONE LANE ROAD AHEAD			N SIGNS	356		• NO	DIRECT PAYMENT WILL	BE MADE FO	DR RI	ELOCATING SIGNS OR DEVICES
			2 32		RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10		LONG				EMPORARY TRAFFIC CONTR			
	a 48X48		1 16		2 RIGHT/CENTER/LEFT LANE CLOSED AHEAD	RELOCA	ILD S	I GNS		0		AS LOCATION TO BE DETE			
	a 48X48 a 48X48				RIGHT/CENTER/LEFT LANE CLOSED FLAGGER (SYMBOL)	ΛΙΙ Τ	D V E E 1.4	CONTRO)	S ARE INCLUDED	*	SIGN AND DEVICE LOCA			
	36X36				FRESH OIL					PORARY TRAFFIC	*>	VERIFIED AND APPROVE NOT INCLUDED IN TEMF			
	48X48				SHOULDER WORK / SHOULDER WORK AHEAD					S OTHERWISE NOTE		MOL INCLUDED IN LEMI	ONANT IKAF	110	CONTINUE FOINT SOIN DID
	48X48				BLASTING ZONE AHEAD					TITIES ARE ONLY					
	42X36				TURN OFF 2-WAY RADIO AND PHONE					ECT TO CHANGE					
	42X36 21X15				END BLASTING ZONE					S AND CONTRACTOR		MATCC LIBAD CUBA ==	MADODAEY		TELC CONTROL 1 LINES COM
GO22-1	_ < 1 V 1 D	2.19			WET PAINT (ARROW PIVOTS)	IRAFF	TC COL	NTROL OP	'ERATION	NS .		IMISC. LUMP SUM LE	MPUKAKY I	ιKAŀ	FFIC CONTROL = 1 LUMP SUM

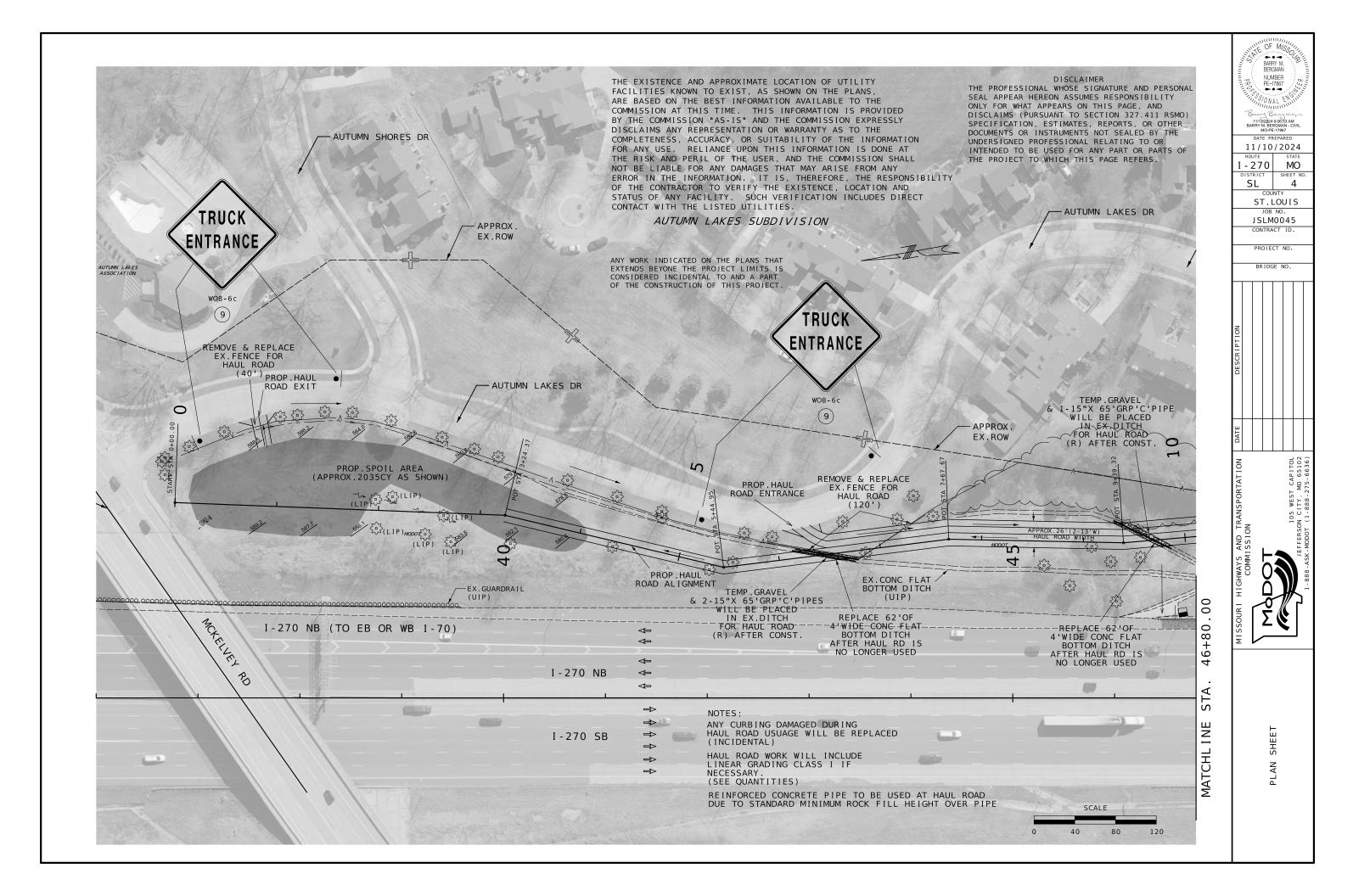
BARRY M. BERGMAN NUMBER PE=17867

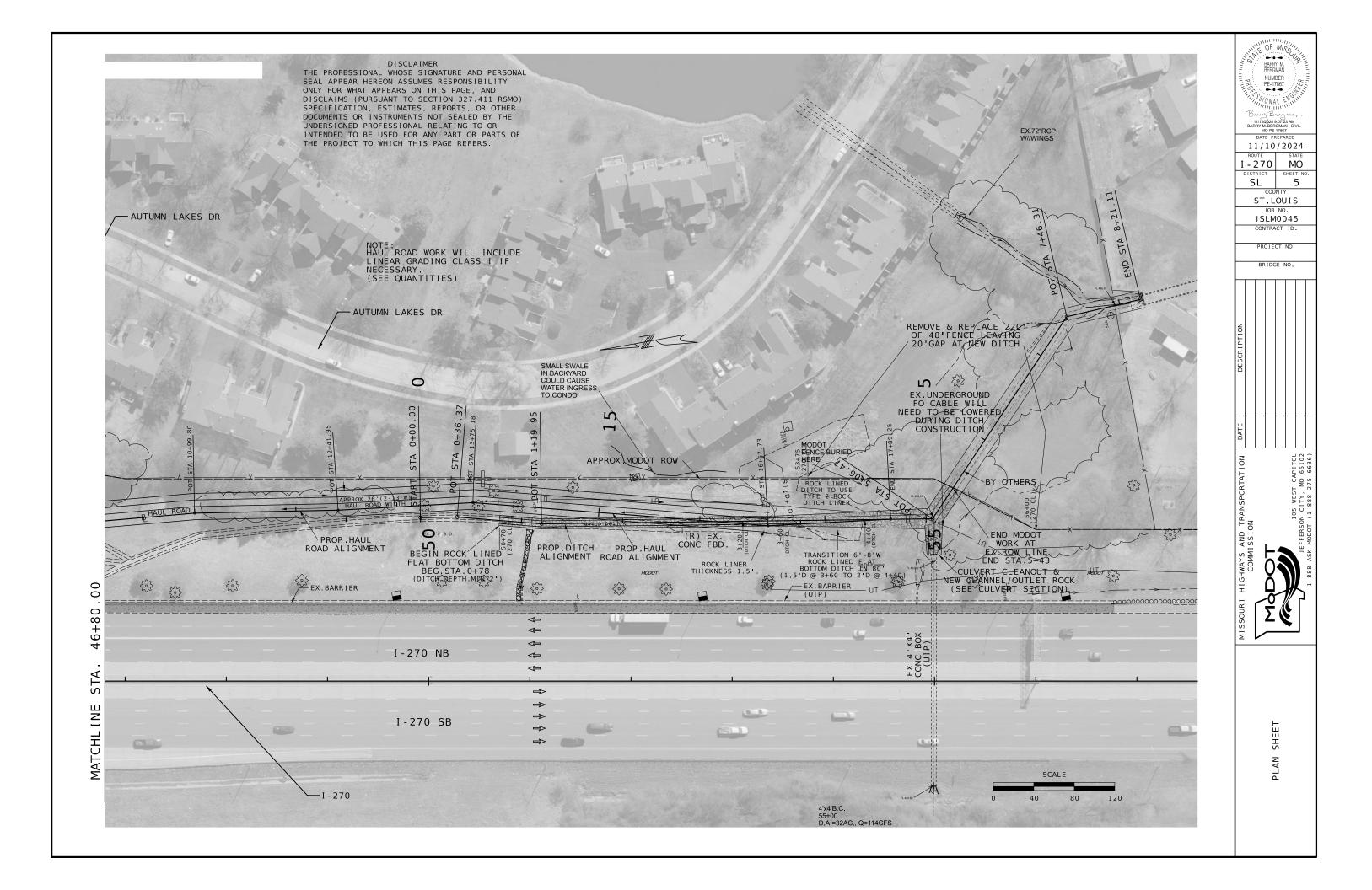
11/10/2024 I - 270 MO SL 3

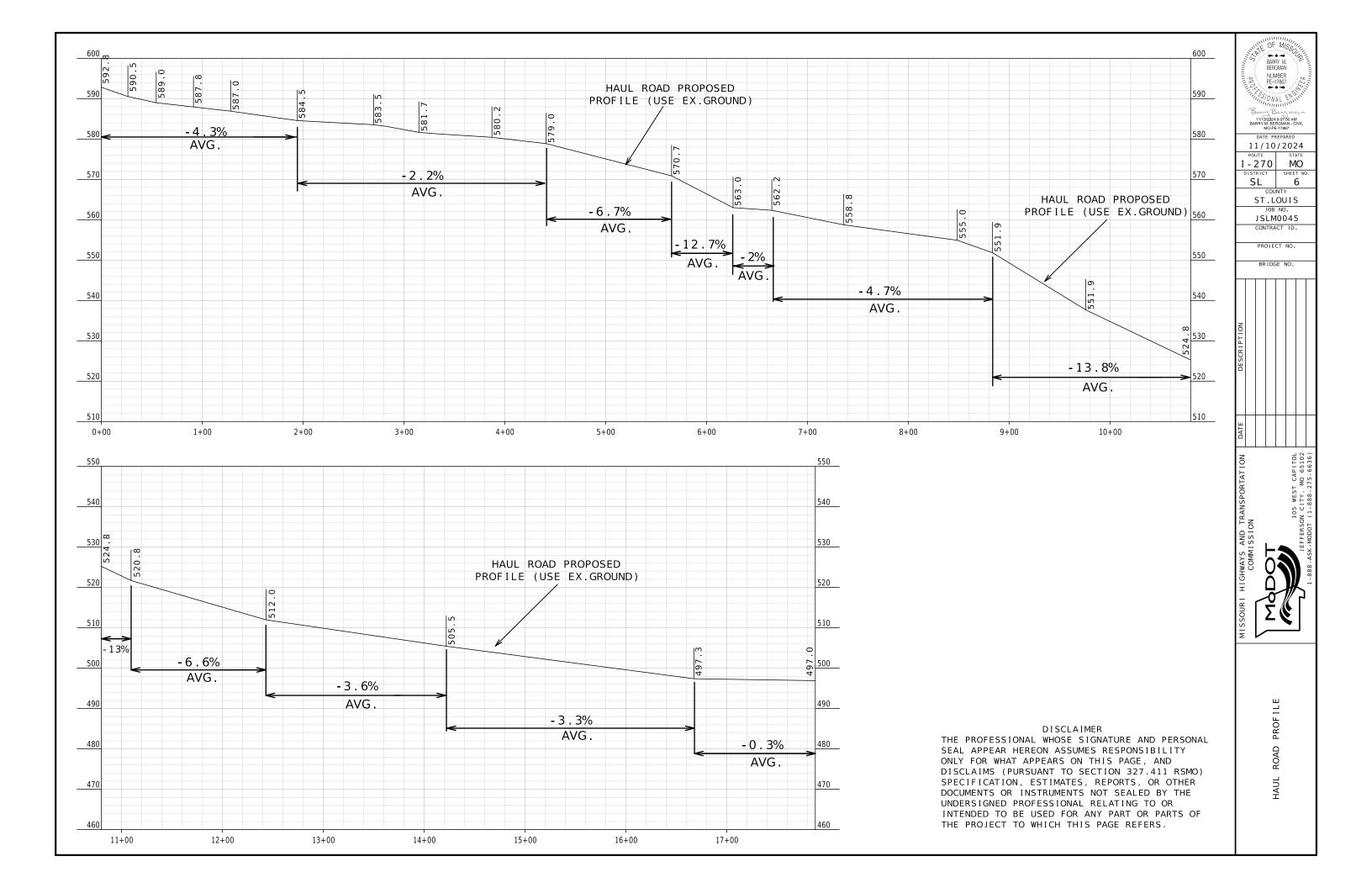
> ST.LOUIS JOB NO.
> JSLM0045
> CONTRACT ID.

PROJECT NO.

MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL = 1 LUMP SUM

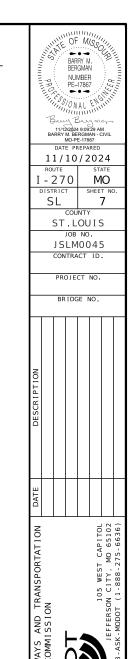


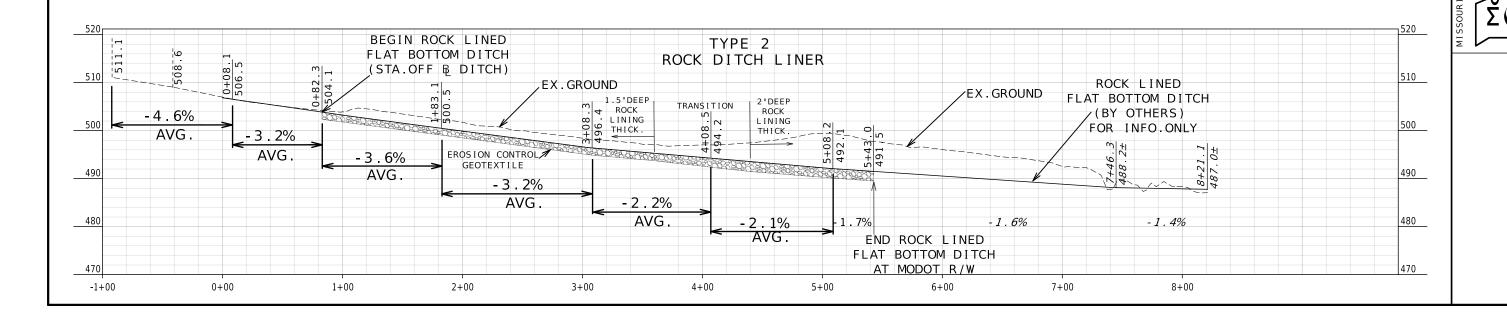


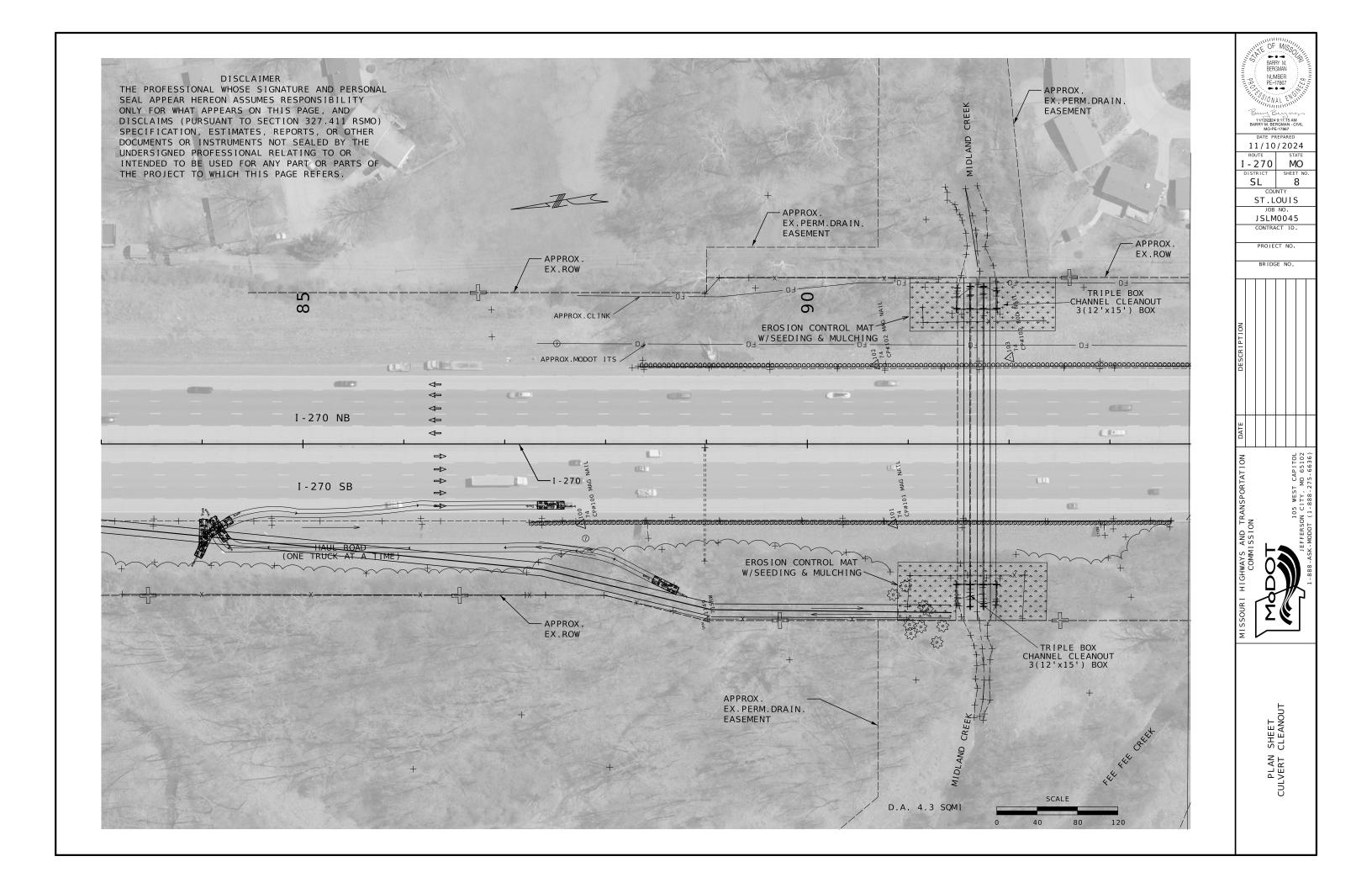


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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

or mis meet							
PROJECT COORDINATE INFORMATION							
COORDINATE SYSTE	M MODIFIED S	MODIFIED STATE PLANE (GROUND)					
HORIZONTAL DATUM	1 NAD 83 (20	NAD 83 (2011) EPOCH 2010.0					
VERTICAL DATUM	NAVD 88:GN	NAVD 88:GNSS DERIVED					
GEOID MODEL	GEOID18	GEOID18					
ELEVATIONS	AVEDACED C	AVERAGED GNSS OBSERVATIONS					
DETERMINED BY	AVERAGED						
PROJECT PROJECTI	ON FACTOR	FACTOR 1.00008780					
REFERENCE CONTROL INFORMATION							
COORDINATE SYSTE	MO COORDIN	MO COORDINATE SYSTEM OF 1983					
CONTROL STATION	MISSOURI C	MISSOURI CORS					
DESIGNATION	MODOT BELLFO	DDOT BELLFONT CORS ARP					
CORS_ID	MOBF)BF					
PID	DN6075	16075					
LATITUDE	N 38°45'51.5	38°45'51.51915"					

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

325298.422

272023.946

W 90°14'47.69248"

PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING

EAST PROJECT AVERAGE GRID FACTOR 0.9999122

EXAMPLE: CONTROL POINT #100 $N 1059086.9840 \times 0.9999122 = N 1058993.9962$ E 837231.6800 X 0.9999122 = E 837158.171

LINEAR UNIT CONVERSION

LONG I TUDE

ZONE

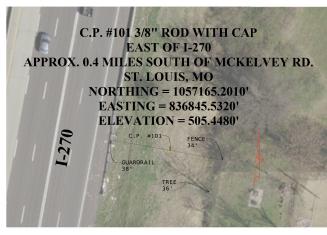
NORTHING (M)

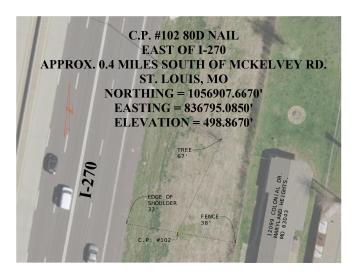
EASTING (M)

1 METER = 3.280833333 US SURVEY FEET (USFT)

					COORDINATE F	POINT LISTING	3		
					D STATE PLANE (T
			OFFSET	NORTH I NG	EASTING	ELEVATION		GPK	E
SHEET NO	STATION	LOCATION	(USFT)	(US SURVEY FT)	(US SURVEY FT)	(US SURVEY FT)	DESCRIPTION	POINT ID	:
AL I GNMENTS	(© OF I - 27	70)							P
									I -
	25+00.00	Ç I-270	0	1060346.4810	837299.4757		BEGIN CHAIN		
	45+00.00	Ç I-270	0	1060346.4810	836945.9399		POT		
	55+00.00	Ç I-270	0	1057393.7188	836769.1968		POT		\dashv
	139+08.98	Ç I-270	0	1049117.1430	835282.8281		POT		
	142+24.83	Ç I-270	0	1048806.2721	835226.9996		END CHAIN		_ -
									-
									II
									-
									\dashv \vdash
									— Ⅱ Ⅱ
ALIGNMENTS	(₽ OF NEW	DRAINAGE D	ITCH)						_ Ⅱ Ⅱ
									_
	0+00.00	₽ DITCH	0	1057865.2505	837018.0542		BEGIN CHAIN		
	0+36.37	₽ DITCH	0	1057829.3395	837012.2674		POT][2]
	1+19.95	₽ DITCH	0	1057748.5371	836900.9327		POT		DESCRIPTION
	5+06.47	₽ DITCH	0	1057367.2448	836927.5601		POT		SCF
	7+46.31	₽ DITCH	0	1057201.4123	837100.8343		POT		
	8+21.11	₽ DITCH	0	1057126.7157	837104.7830		END CHAIN		
									DATE
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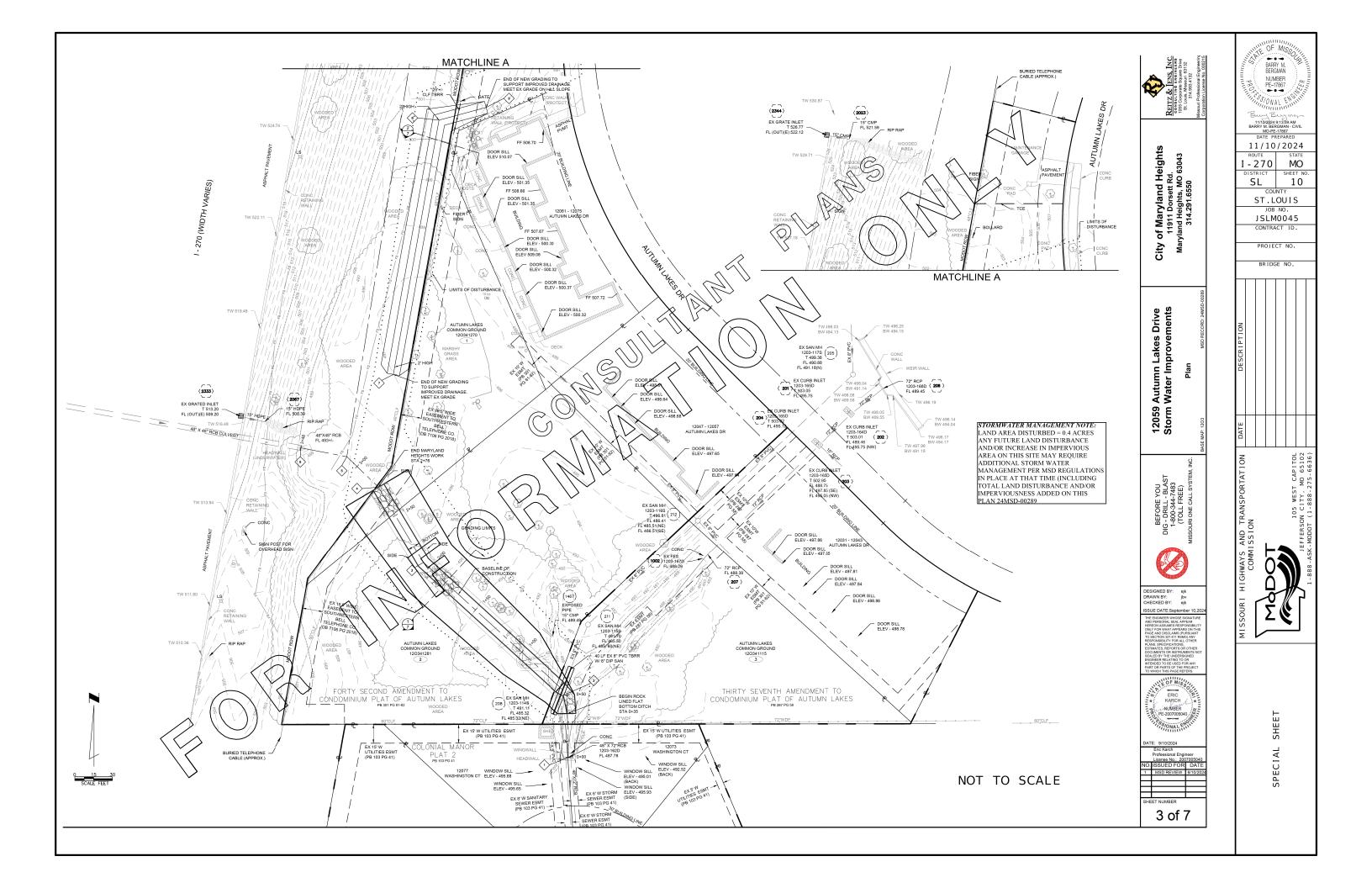


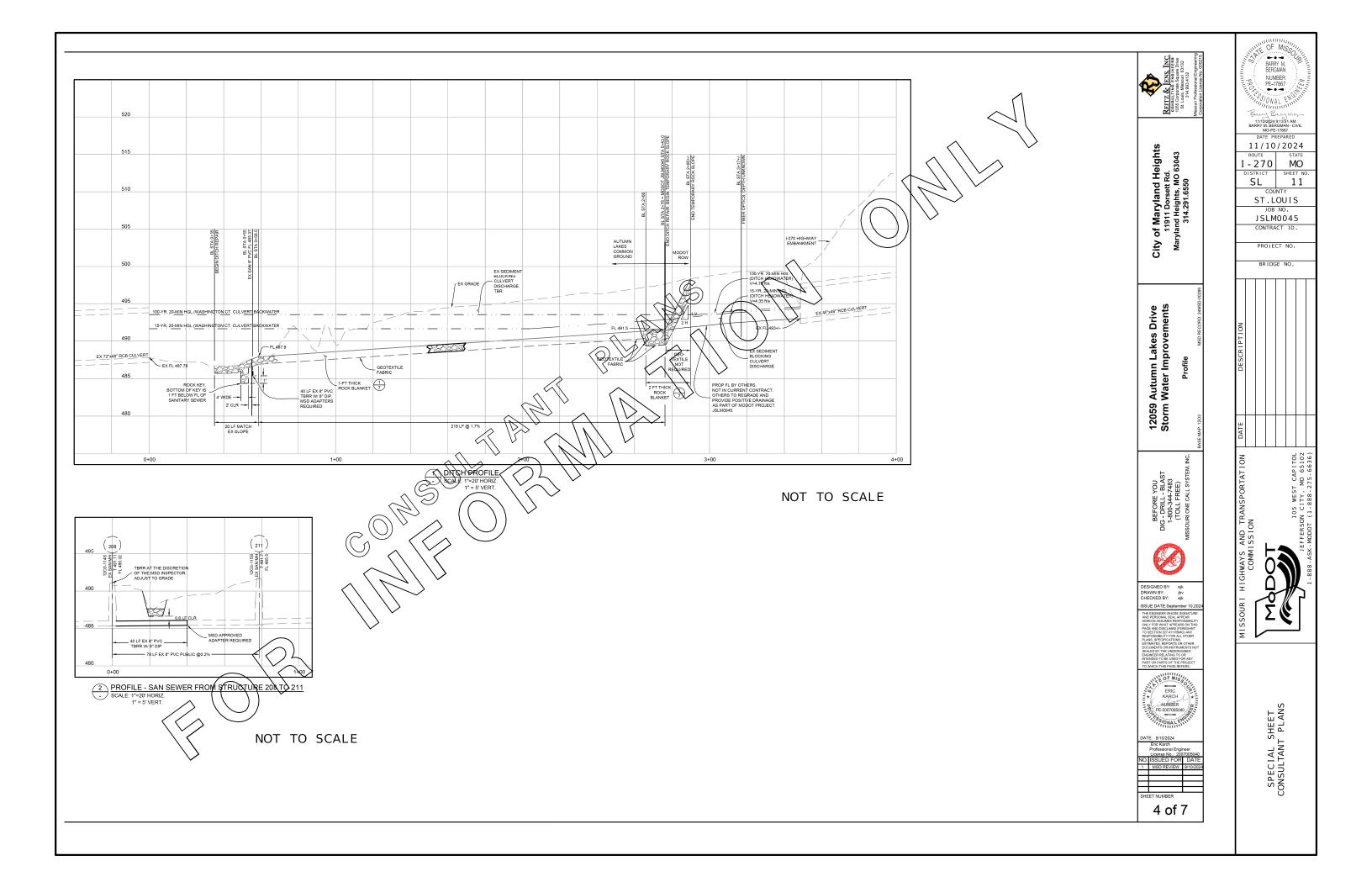
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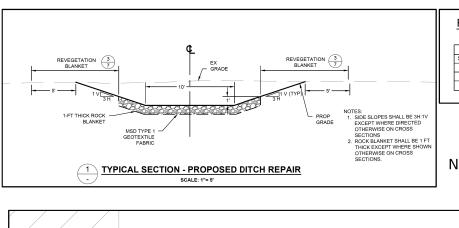
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BARRY M. BERGMAN NUMBER PE-17867 11/26/2024 8:48:43 AM BARRY M. BERGMAN - CIVIL MO-PE-17867 11/26/2024 -270 MO DISTRICT SHEET NO SL 9 ST.LOUIS JSLM0045 CONTRACT ID. PROJECT NO. BRIDGE NO.

COORDINATE/REFERENCE POINT SHEET



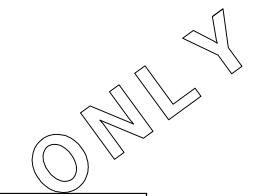


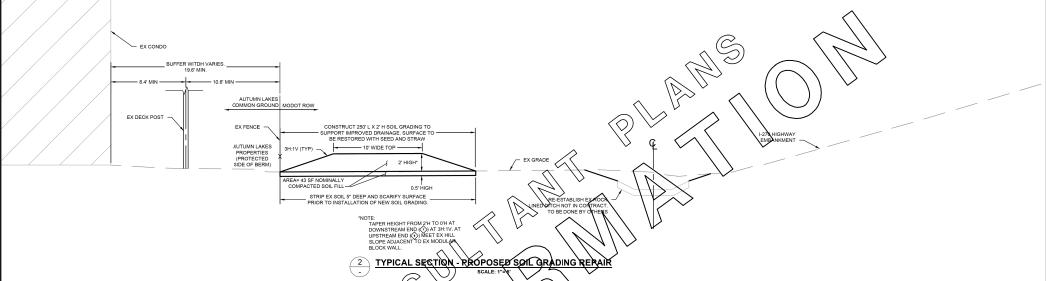


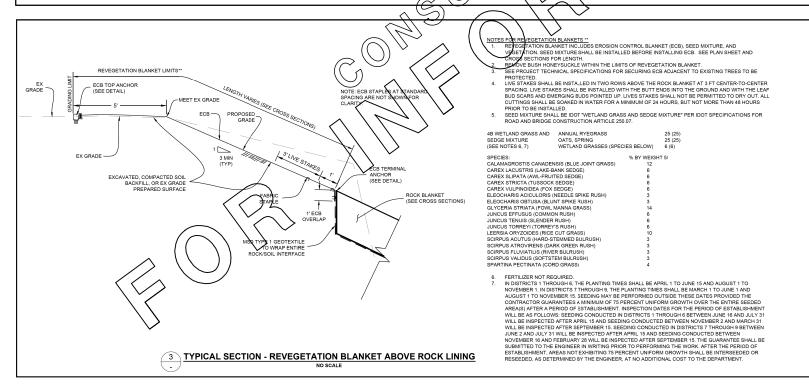
ROCK LINED CHANNEL SURFACE MATERIAL GRADATION

MSD 5 ROCK BLANKET (% BY WEIGHT PASSING)							
Sieve Size	Maximum	Minimum					
12 Inch	90	70					
6 Inch	30	10					
1/2 Inch	5	0					

NOT TO SCALE







NOT TO SCALE

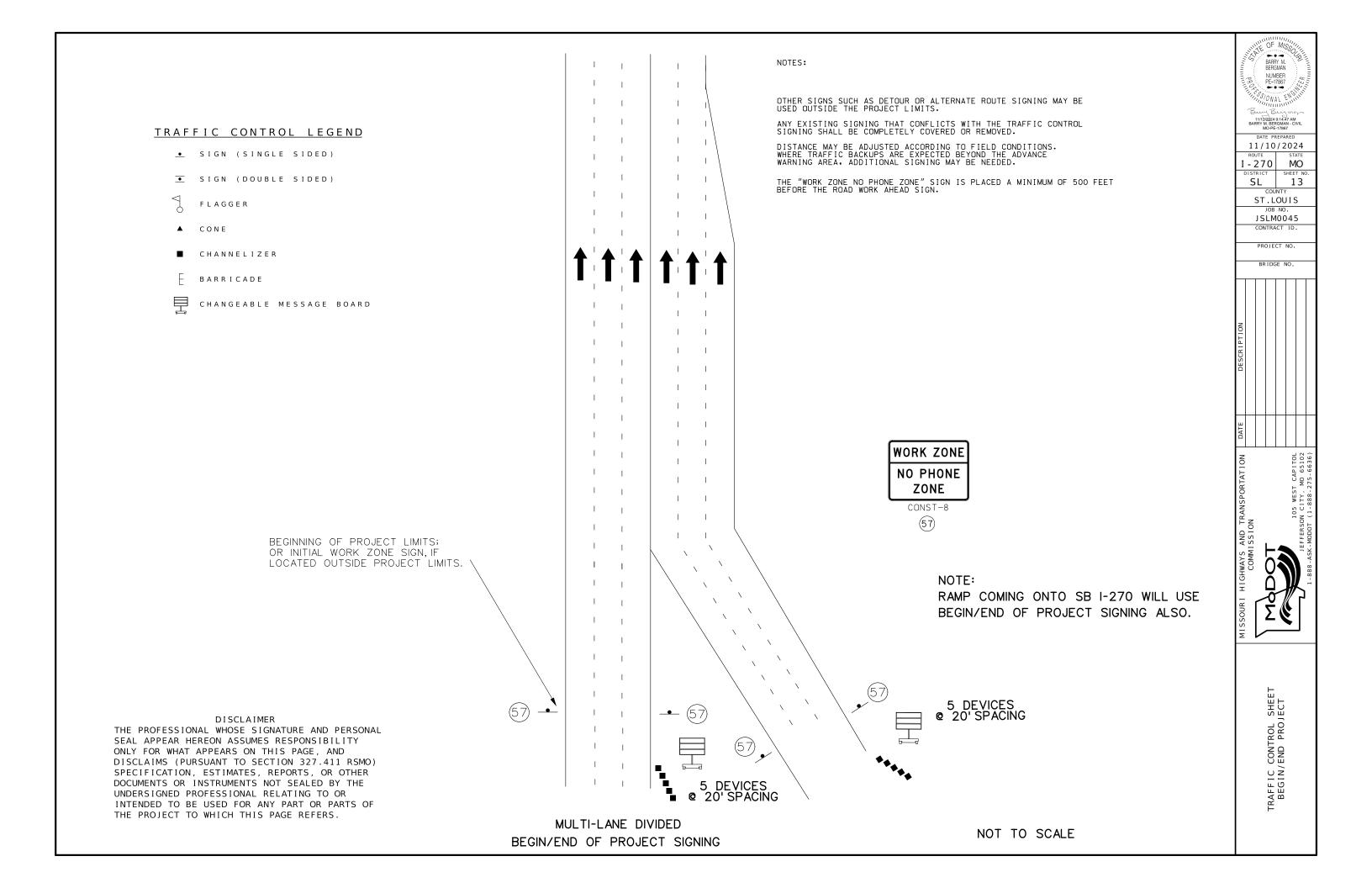


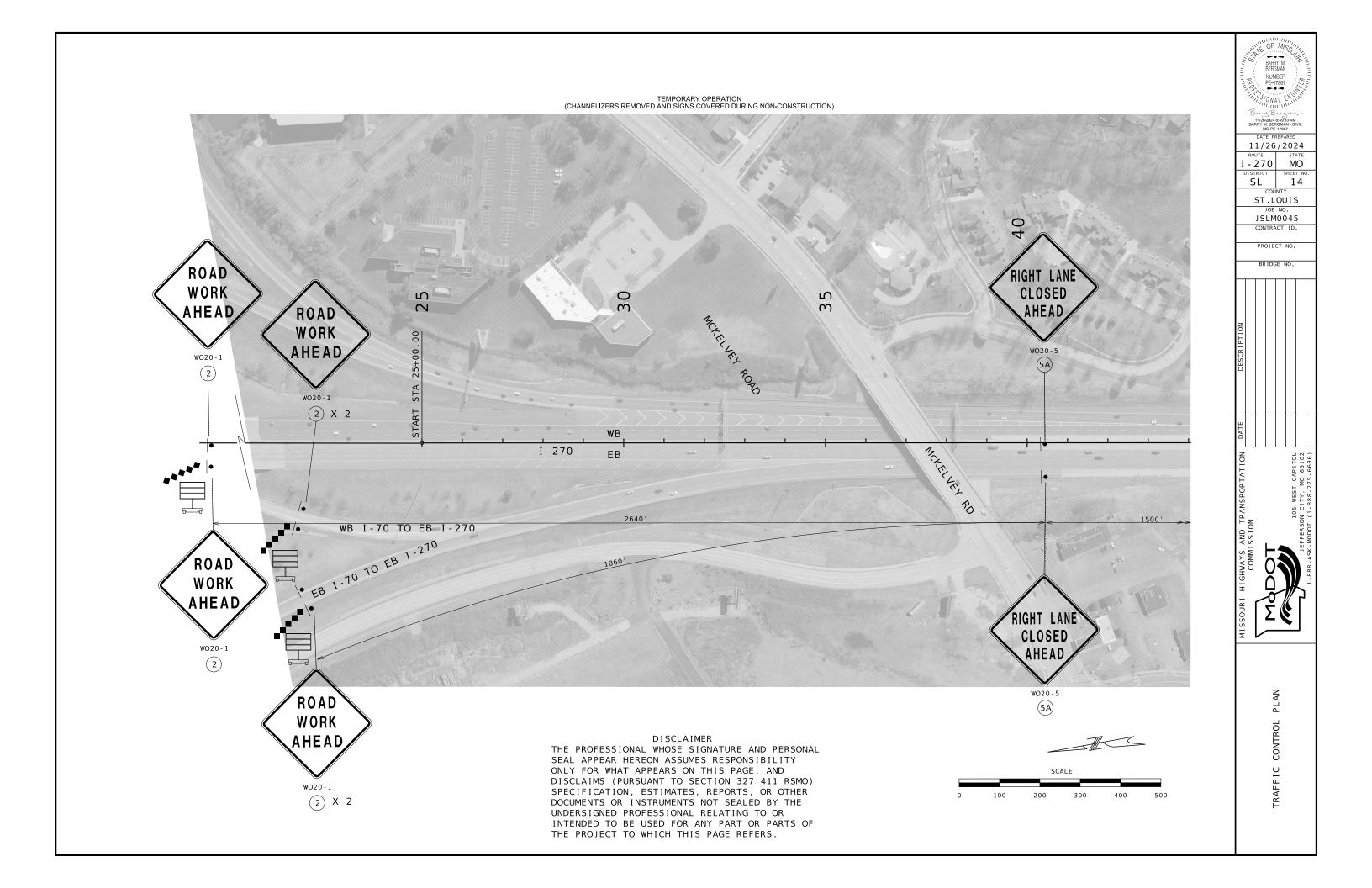
7 of 7

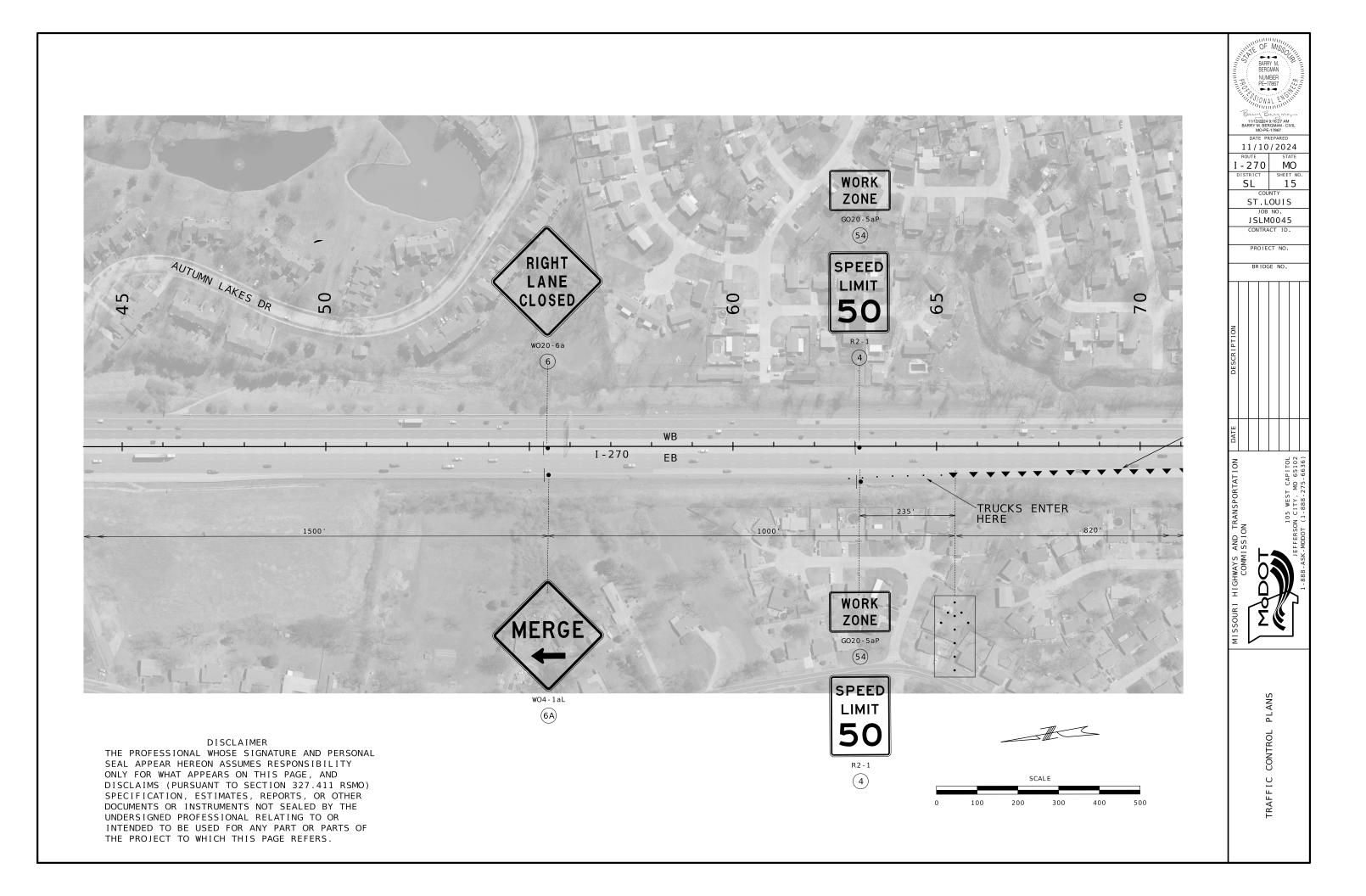
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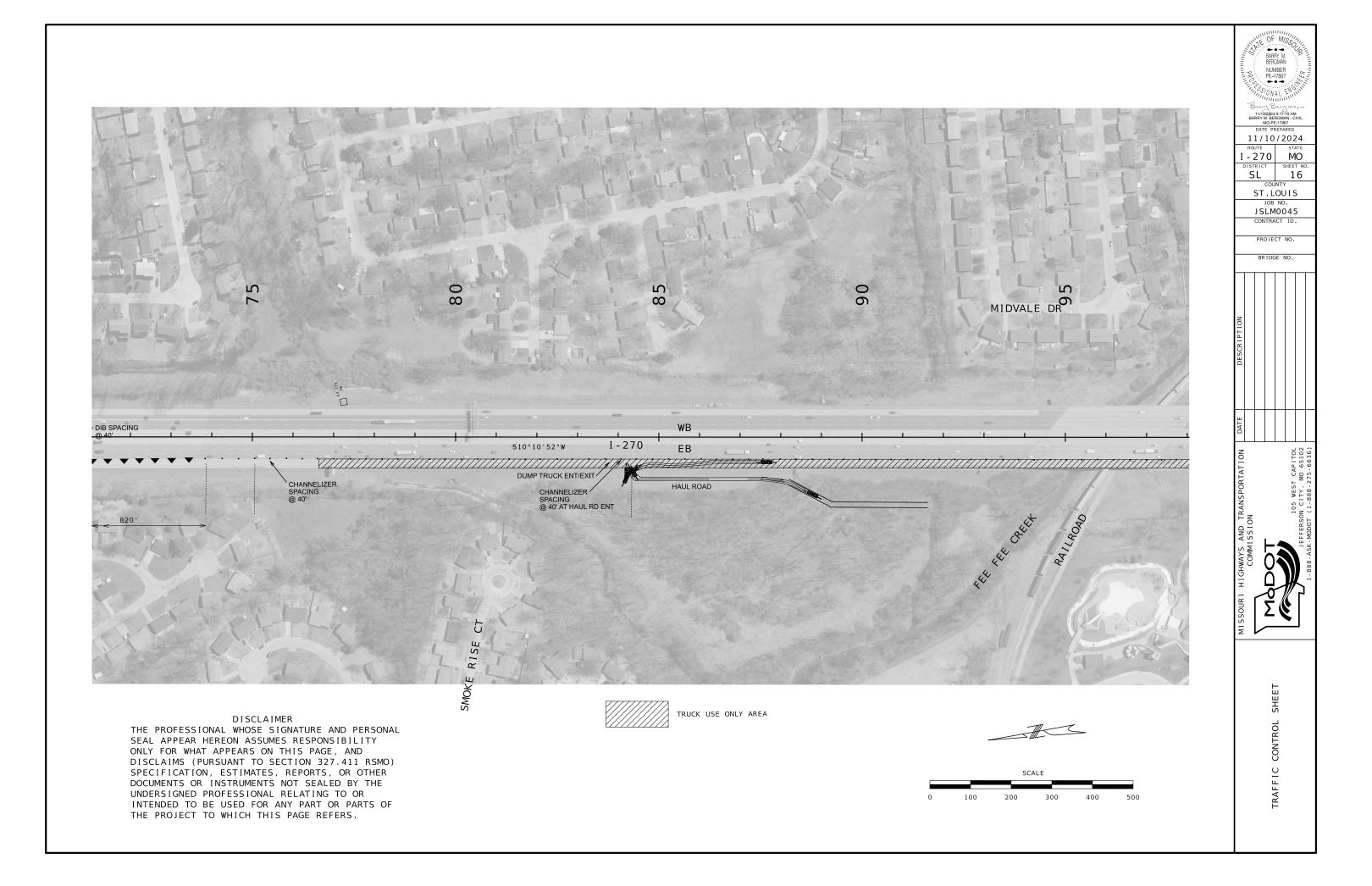
> SPECIAL SHEET CONSULTANT PLANS

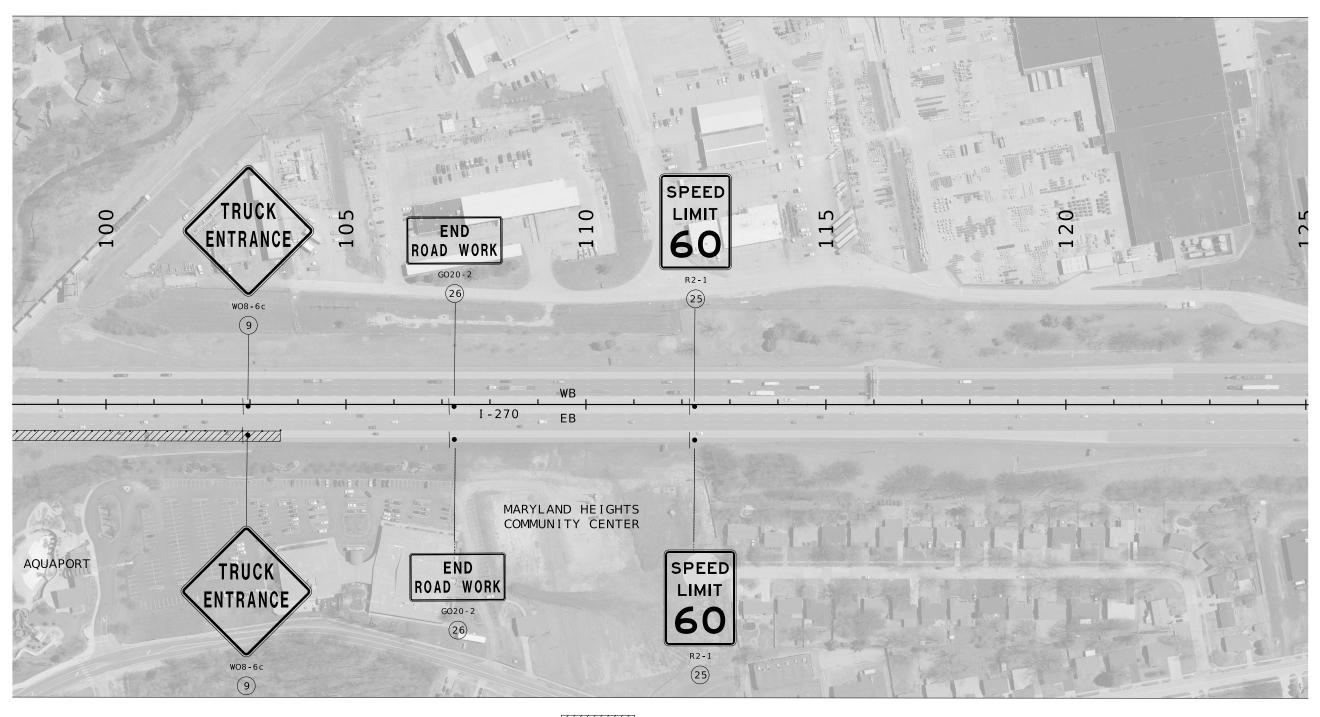
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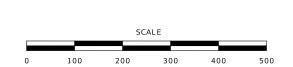






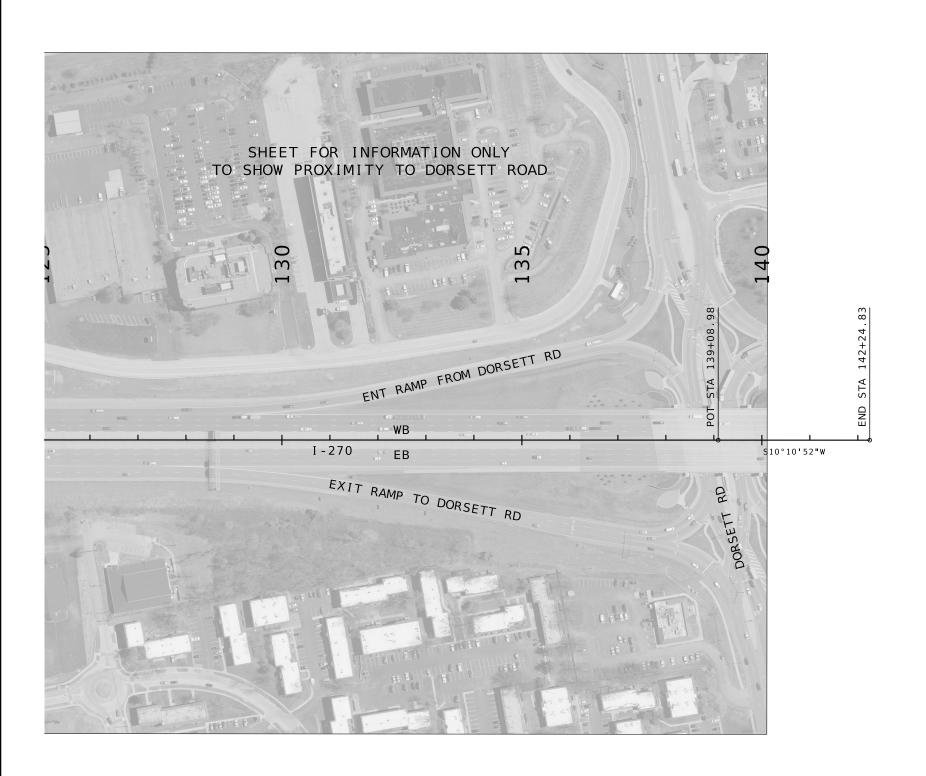
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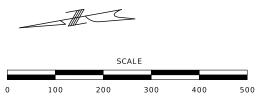
11/10/2024 I - 270 MO SL 17 ST.LOUIS JOB NO.
JSLM0045
CONTRACT ID. PROJECT NO. BRIDGE NO.

SHEET TRAFFIC CONTROL



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BARRY M.
BERGMAN NUMBER
PE-17867

11/12/2024/9-19/30 AG
11/12/2024/9-19/2024/9

11/12/2024 9:19:03 AM BARRY M. BERGMAN - CIVIL MO-PE-17867 DATE PREPARED

11/10/2024

ROUTE STATE
I - 270 MO

DISTRICT SHEET NO
SL 18

ST.LOUIS

JOB NO.
JSLM0045
CONTRACT ID.

PROJECT NO.

DESCRIPTION

S AND TRANSPORTATION

MISSOURI HIGHWAYS AND TRANSPO COMMISSION

TRAFFIC CONTROL SHEET

