DESIGN DESIGNATION

SEE FOLLOWING TITLE LOCATION SHEETS

TEMPORARY CONSTRUCTION EASEMENTS REQUIRED

LOCATION 3 - WASHINGTON-POTOSI, HWY 8
LOCATION 5 - MONITEAU-CALIFORNIA, BUSINESS 50
LOCATION 6 - OSAGE-CHAMOIS, ROUTE K

NO ACQUISITIONS REQUIRED

LOCATION 1 - CALLAWAY-FULTON, ROUTE Z
LOCATION 2 - CAMDEN-CAMDENTON, US 54
LOCATION 4 - MARIES-BELLE, HWY 89
LOCATION 7 - PHELPS-ROLLA, ROUTE E
LOCATION 8 - PHELPS-ST. JAMES, HWY 66
LOCATION 9 - PULASKI-RICHLAND, HWY 133
LOCATION 10 - PULASKI-CROCKER, HWY 17

CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	FO	FO
OVERHEAD CABLE TV	OTV	OTV
UNDERGROUND CABLE TV	UTV	UTV
OVERHEAD TELEPHONE	OT	OT
UNDERGROUND TELEPHONE	UT	UT
OVERHEAD POWER	OE	OE
UNDERGROUND POWER	UE	UE
SANITARY SEWER	S	S
STORM SEWER	SS	SS
GAS	G	G
WATER	W	W
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	

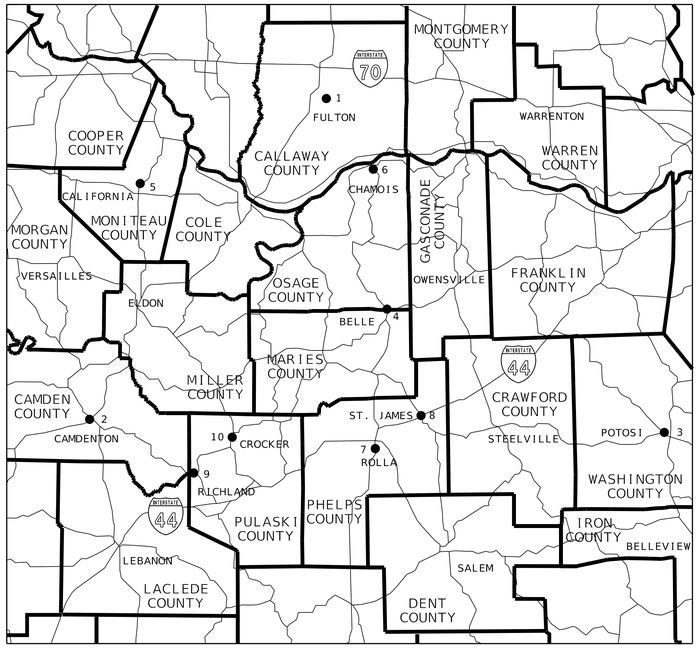
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CALLAWAY, CAMDEN, WASHINGTON, MARIES, MONITEAU, OSAGE, PHELPS, & PULASKI COUNTIES

ADA IMPROVEMENTS, SIDEWALKS, CURB RAMPS, PAVED APPROACHES & AUDIBLE PEDESTRIAN SIGNALS AT VARIOUS LOCATIONS



NOT TO SCALE

LOCATIONS

1 - CALLAWAY-FULTON, ROUTE Z	- INTERSECTION OF HWY Z & WOOD ST
2 - CAMDEN-CAMDENTON, US 54	- FROM BUSINESS 5 TO CECIL ST
3 - WASHINGTON-POTOSI, HWY 8	- FROM JEFFERSON ST TO LAWRENCE ST
4 - MARIES-BELLE, HWY 89	- FROM W 2ND ST TO W 3RD ST
5 - MONITEAU-CALIFORNIA, BUSINESS 50	- FROM S WILLIAMS ST TO S HIGH ST
6 - OSAGE-CHAMOIS, ROUTE K	- FROM HWY 89 TO FIFTH ST
7 - PHELPS-ROLLA, ROUTE E	- FROM WHITE COLUMN DR TO I-44 EASTBOUND RAMPS
8 - PHELPS-ST. JAMES, HWY 66	- FROM N JACKSON ST TO N MERAMEC ST
9 - PULASKI-RICHLAND, HWY 133	- FROM W PULASKI AVE TO LOCUST ST
10 - PULASKI-CROCKER, HWY 17	- FROM SCHOOL ST TO YORK ST

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.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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CULVERT SECTIONS (CS)	109

LENGTH OF PROJECT

LOCATION 1	100.00 FEET
LOCATION 2	5,800.00 FEET
LOCATION 3	2,650.00 FEET
LOCATION 4	500.00 FEET
LOCATION 5	800.00 FEET
LOCATION 6	1,400.00 FEET
LOCATION 7	780.80 FEET
LOCATION 8	800.00 FEET
LOCATION 9	2,944.08 FEET
LOCATION 10	500.00 FEET
TOTAL CORRECTIONS	00.00 FEET
NET LENGTH OF PROJECT	16274.88 FEET
STATE LENGTH	3.08 MILES

TITLE SHEET
SHEET 1 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	1

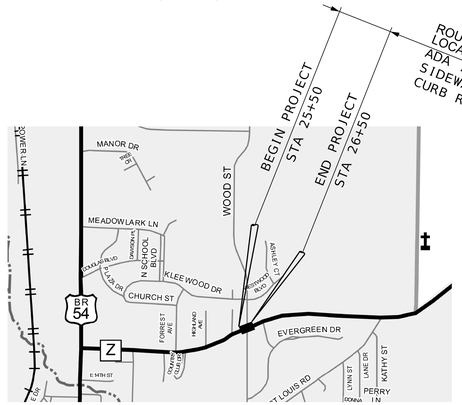
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

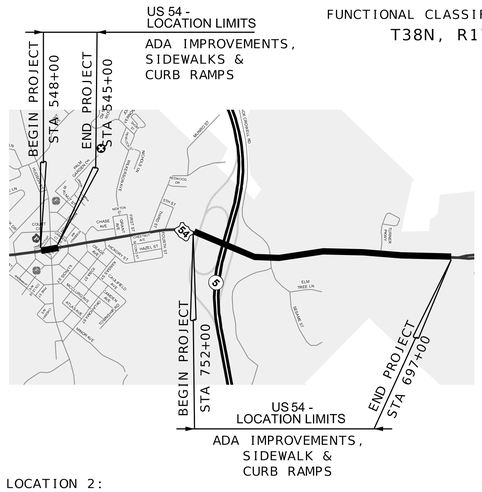
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR
T47N, R9W, SEC 9



CALLAWAY COUNTY - FULTON
A.A.D.T. - 2024 = 3661
V = 30 M.P.H.

LOCATION 1:
INTERSECTION OF HWY Z & WOOD ST

FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL
T38N, R17W, SEC 24 & 25



CAMDEN COUNTY - CAMDENTON
A.A.D.T. - 2024 = 32106
V = 45 M.P.H.

LOCATION 2:
FROM BUSINESS 5 TO CECIL ST

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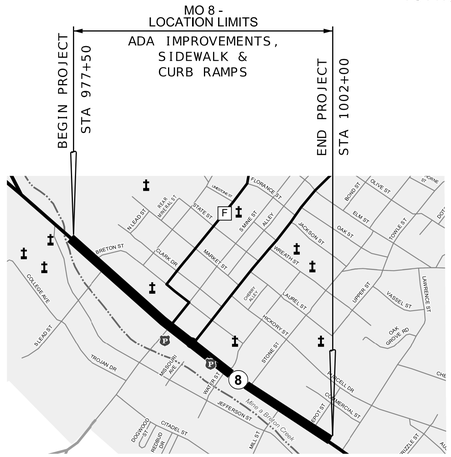
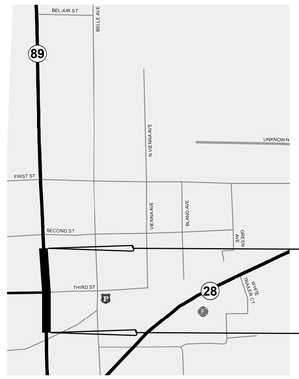
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL
T37N, R02E, SEC 14



WASHINGTON COUNTY - POTOSI
A.A.D.T. - 2024 = 16494
V = 25 M.P.H.

LOCATION 3:
FROM JEFFERSON ST TO LAWRENCE ST

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL
T41N, R07W, SEC 20

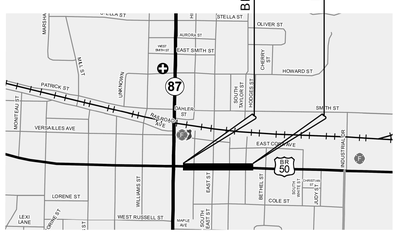


MARIES COUNTY - BELLE
A.A.D.T. - 2024 = 2506
V = 25 M.P.H.

LOCATION 4:
FROM W 2ND ST TO WEST 3RD ST

BUSINESS 50 -
LOCATION LIMITS
ADA IMPROVEMENTS,
SIDEWALKS &
CURB RAMPS

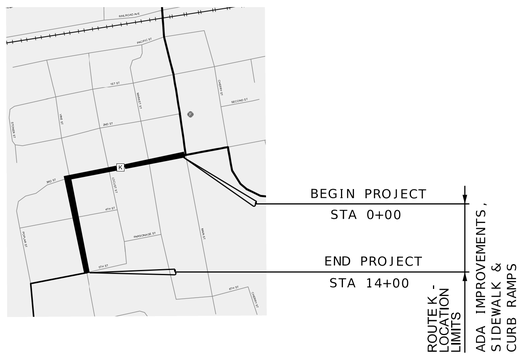
FUNCTIONAL CLASSIFICATION-
MAJOR COLLECTOR
T45N, R15W, SEC 28



MONITEAU COUNTY - CALIFORNIA
A.A.D.T. - 2024 = 8436
V = 35 M.P.H.

LOCATION 5:
FROM S WILLIAMS ST TO S HIGH ST

FUNCTIONAL CLASSIFICATIONS
ROUTE K - MINOR COLLECTOR
T45N, R8W, SEC 11



OSAGE COUNTY - CHAMOIS
A.A.D.T. - 2024 = 951
V = 25 M.P.H.

LOCATION 6:
FROM HWY 89 TO FIFTH ST

TITLE SHEET
SHEET 2 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	1

COUNTY
VARIES

JOB NO.
JCD0214

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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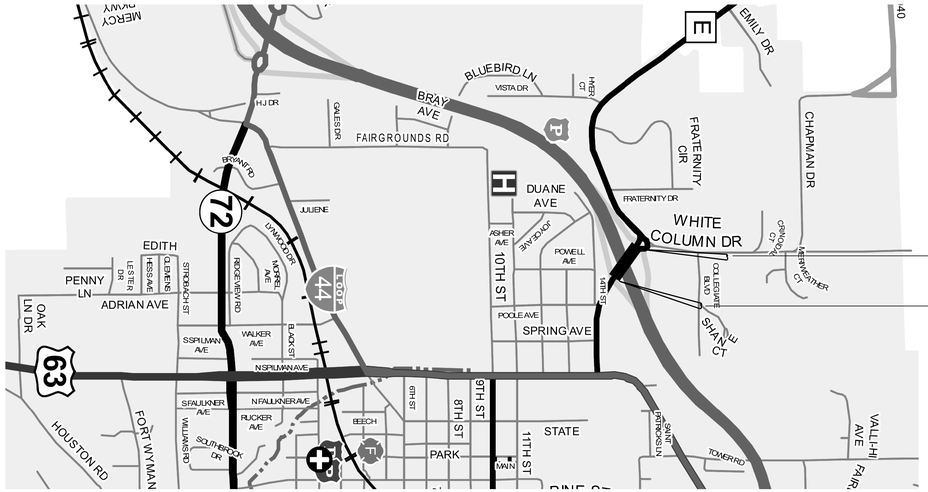

BEGIN PROJECT
STA 445+69.20

END PROJECT
STA 453+50

ROUTE E -
LOCATION LIMITS
ADA IMPROVEMENTS,
SIDEWALK &
CURB RAMPS

FUNCTIONAL CLASSIFICATIONS
ROUTE E - MINOR ARTERIAL
T37N, R8W, SEC 2 & 11

PHELPS COUNTY - ROLLA
A.A.D.T. - 2024 = 23766
V = 35 M.P.H.

LOCATION 7:
FROM WHITE COLUMN DR TO I-44 EASTBOUND RAMPS

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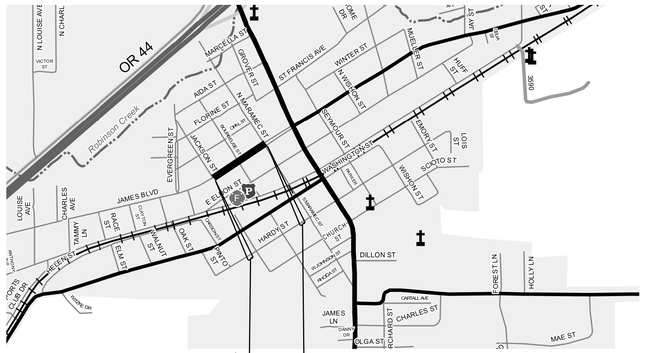


BEGIN PROJECT
STA 1515+50

END PROJECT
STA 1523+50

ROUTE 66 -
LOCATION LIMITS
ADA IMPROVEMENTS,
SIDEWALK &
CURB RAMPS

FUNCTIONAL CLASSIFICATION- LOCAL ROAD
T38N, R6W, SEC 19

PHELPS COUNTY - ST. JAMES
A.A.D.T. - 2024 = 1515
V = 25 M.P.H.

LOCATION 8:
FROM JACKSON ST TO N MARAMEC ST

END PROJECT
STA 21+50

BEGIN PROJECT
STA 8+00

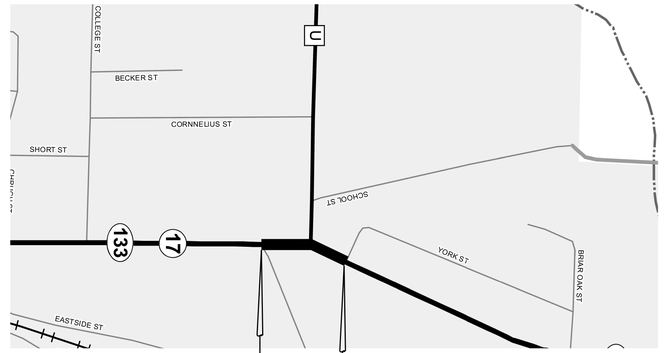
MO 133 -
LOCATION LIMITS
ADA IMPROVEMENTS,
SIDEWALK &
CURB RAMPS

EQUATIONS & EXCEPTIONS:
STA 0+00.00 BK = STA 0+00.00 AH
STA 8+63.36 BK = STA 1+79.07 AH

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL
T36N, R13W, SEC 18

PULASKI COUNTY - RICHLAND
A.A.D.T. - 2024 = 4345
V = 25 M.P.H.

LOCATION 9:
FROM W PULASKI AVE TO LOCUST ST



BEGIN PROJECT
STA 593+00

END PROJECT
STA 598+00

MO 133 / MO 17-
LOCATION LIMITS
ADA IMPROVEMENTS,
SIDEWALK &
CURB RAMPS

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL
T37N, R12W, SEC 8

PULASKI COUNTY - CROCKER
A.A.D.T. - 2024 = 6965
V = 30 M.P.H.

LOCATION 10:
FROM SCHOOL ST TO YORK ST

TITLE SHEET
SHEET 3 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	1

COUNTY
VARIES

JOB NO.
JCD0214

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

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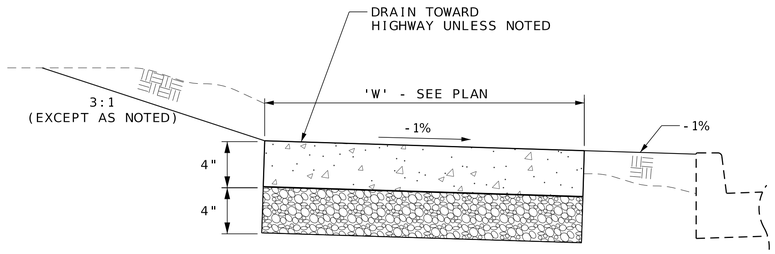
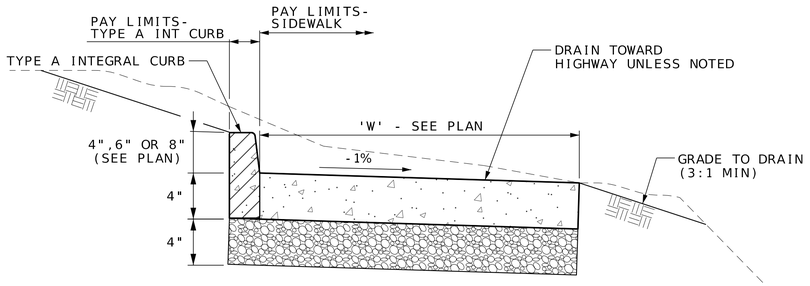
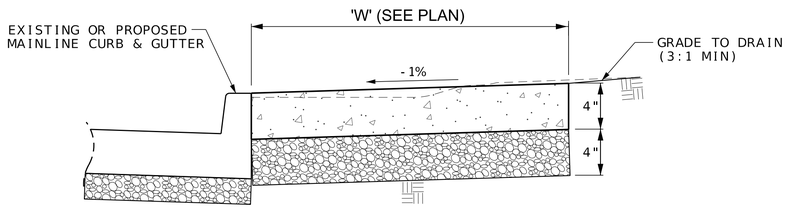


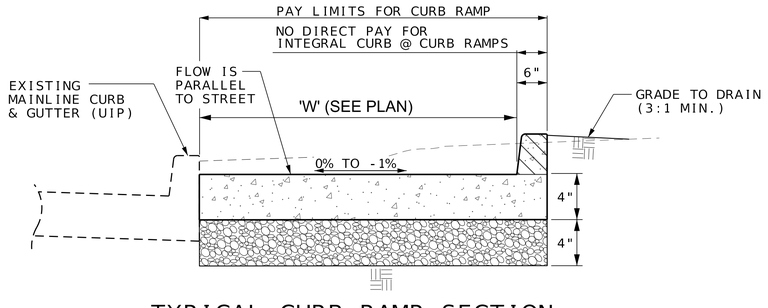
A TYPICAL SIDEWALK SECTION OFFSET FROM CURB



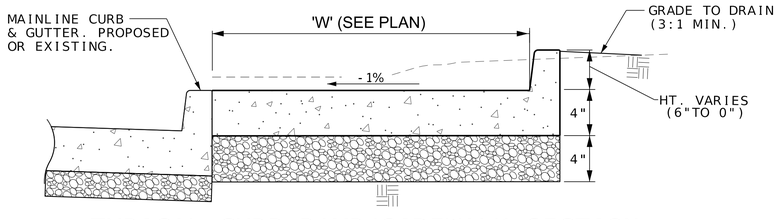
B TYPICAL SIDEWALK SECTION W/ INTEGRAL CURB



C TYPICAL SIDEWALK SECTION ADJACENT TO EXISTING/PROPOSED CURB



D TYPICAL CURB RAMP SECTION ADJACENT TO & BELOW EXISTING CURB



E TYPICAL CURB RAMP/SIDEWALK SECTION ADJACENT TO MAINLINE CURB/GUTTER

GENERAL NOTES:

GENERAL INFORMATION:

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.

THERE WILL BE NO DIRECT PAYMENT FOR SAWCUTS.

TYPICAL SECTIONS ARE TO BE USED IN CONJUNCTION WITH THE STANDARD PLANS.

SIDEWALKS:

SIDEWALK, RAMP AND LANDING CROSS SLOPES SHALL BE -1.0% MIN. TO FACILITATE DRAINAGE (-2.0% MAX). SIDEWALK RUNNING GRADE SHALL NOT EXCEED 5% EXCEPT WHEN STREET GRADE EXCEEDS 5%.

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 (IF USED), IN THE PATH OF PEDESTRIAN TRAVEL (TRAVERSABLE), SHALL NOT EXCEED A SLOPE OF 1V:10H. SIDE FLARES OUTSIDE THE PEDESTRIAN PATH (NON-TRAVERSABLE) MAY BE VERTICAL.

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

THE CURB RAMPS AND SIDEWALKS SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLAN SHEETS. UTILITIES, SIGNS, FIXED OBJECTS, OR CROSS SLOPE TRANSITIONS MAY NOT BE PLACED ON A CURB RAMP, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.

FOR ADDITIONAL INFORMATION AND NOTES REGARDING SIDEWALK, RAMP, & CURB DETAILS, SEE STANDARD PLANS 608.10, 608.50 AND 609.00.

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

A SEGMENTAL TRANSITION (T) SHALL BE A WARPED AREA OF PAVEMENT FOR THE CONNECTION OF A NEW ADA COMPLIANT CURB RAMP TO AN ADJACENT EXISTING FACILITY. THE SEGMENTAL TRANSITION SHALL NOT INHIBIT DRAINAGE OR CAUSE AN UNSAFE DRIVING HAZARD. LIMITS OF THE SEGMENTAL TRANSITION MAY BE ADJUSTED AT THE ENGINEER'S DISCRETION.

RUNNING SLOPE OF THE SEGMENTAL TRANSITION (T) SHALL NOT EXCEED 5.0% IN THE DIRECTION OF PEDESTRIAN TRAVEL EXCEPT WHEN STREET GRADE EXCEEDS 5%..

TRUNCATED DOMES:

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

THE DETECTABLE WARNING PANELS 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 BE 24" DEEP.

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

CURB RAMPS:

DESIGN RUNNING GRADE FOR CURB RAMPS SHALL NOT EXCEED 1V:12H (8.33%) EXCEPT AS FOLLOWS:
A) LENGTH OF RAMP = 15 FEET MINIMUM.
B) STREET GRADE EXCEEDS 1V:12H.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION	*	MATCH EXISTING
	# POINT LOCATION	**	0" CURB HEIGHT

GENERAL NOTES (CONTINUED):

WHERE THE BOTTOM GRADE BREAK OF A CURB RAMP IS LESS THAN 5' FROM THE BACK OF CURB, DETECTABLE WARNING PANELS 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.

PAVED APPROACH:

ANY PAVED APPROACHES THAT THE ENGINEER FINDS TO NOT BE TECHNICALLY FEASIBLE MAY BE EXCLUDED AND NOTED AS AN ADA EXCEPTION. A TRANSITION IN CROSS SLOPE SHALL BE MADE FROM THE END OF THE CURB RAMP TO THE EXISTING CROSS SLOPE OF THE ENTRANCE.

REINFORCING STEEL:

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

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

CUT-THRU SIDEWALK:

REMOVE EXISTING CURB, MEDIAN, OR RAISED ISLAND WITHIN LIMITS SHOWN. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.

CONSTRUCT 4" THICK CONCRETE SIDEWALK FLUSH WITH EXISTING CONCRETE PAVED APPROACHES. CONSTRUCT INTEGRAL CURB ADJACENT TO NEW SIDEWALK.

NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX). TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.

CROSS SLOPE -1% DESIGN (-2% MAX).

CONCRETE MEDIAN / ISLAND:

NO DIRECT PAY FOR CONCRETE BASE AND REINFORCING STEEL BELOW THE MEDIAN. ALL MATERIAL SHALL BE CONSIDERED INCIDENTAL TO CONCRETE MEDIAN PAY ITEM.

ALL ROUTES
ALL LOCATIONS

TYPICAL SECTIONS
SHEET 1 OF 3

SIDEWALK & CROSSING DETAILS

NOT TO SCALE: FOLLOW DIMENSIONS

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	2

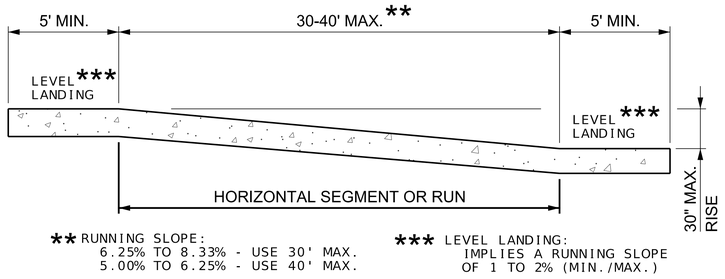
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

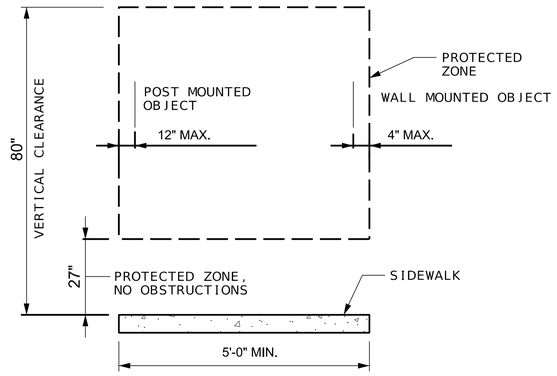
002_TS_01_JCD0214_TypSection.dgn 4:43:21 PM 5/22/2026



** 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.)

MISC. DETAIL-SIDEWALK RAMP WITH LANDINGS



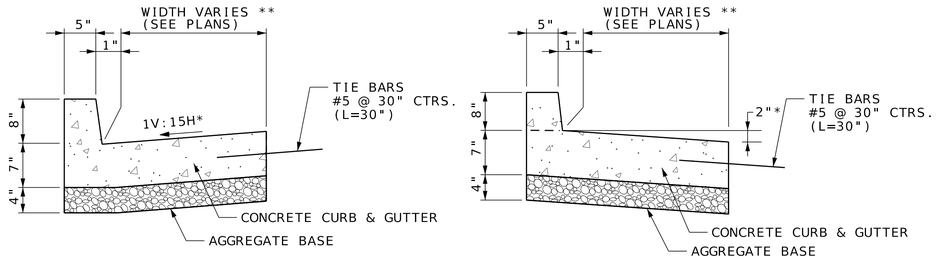
ELEVATION

LEGEND

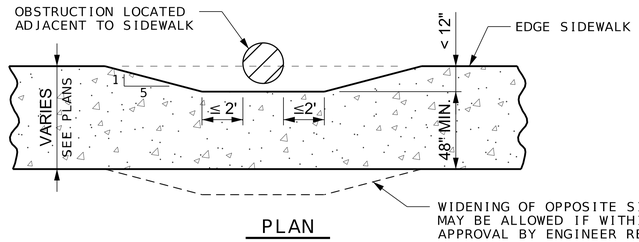
	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

* 5% MAX (AT SIDEWALK)
** 2'6" (OR MATCH EXIST)

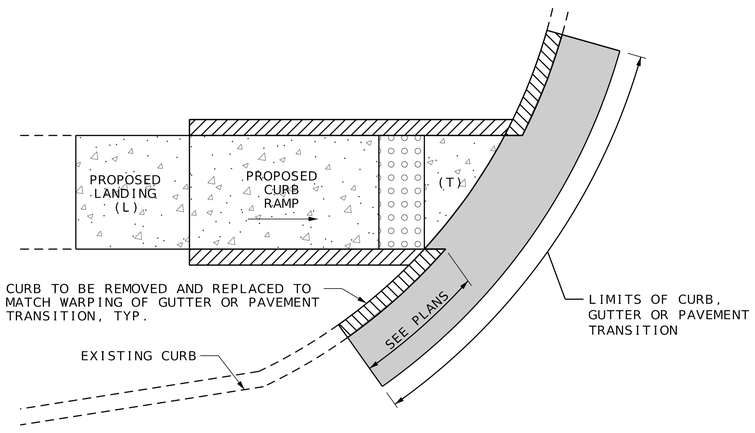


MISC. DETAIL-MODIFIED TYPE B CURB & GUTTER

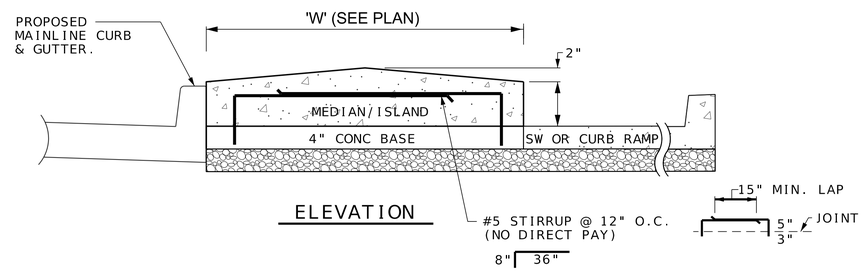


PLAN

MISC. DETAIL- OBSTRUCTION MODIFICATION AT SIDEWALK



MISC. DETAIL-SEGMENTAL TRANSITION AREA (T)



MISC. DETAIL-MEDIAN (ISLAND)

ALL ROUTES
ALL LOCATIONS

TYPICAL SECTIONS
SHEET 2 OF 3

SIDEWALK & CROSSING DETAILS

NOT TO SCALE: FOLLOW DIMENSIONS

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 2
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

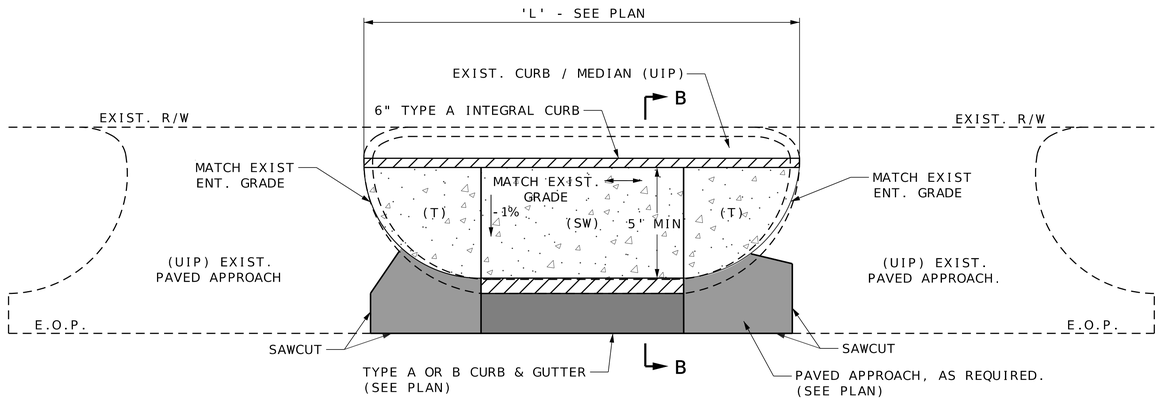
DESCRIPTION | DATE

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

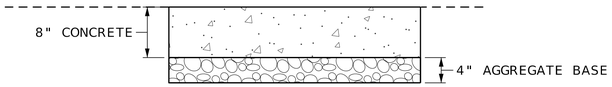
VEENSTRA & KIMM INC.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

LEGEND

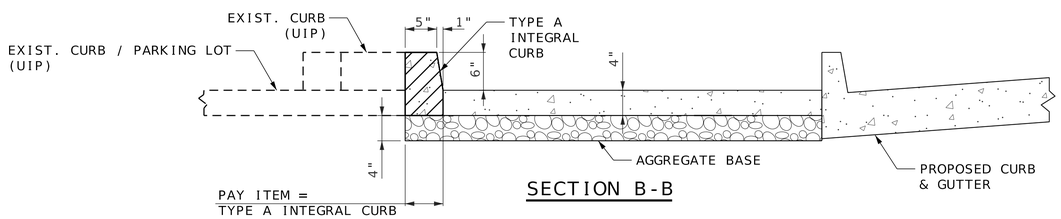
	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION	* MATCH EXISTING ** 0" CURB HEIGHT	



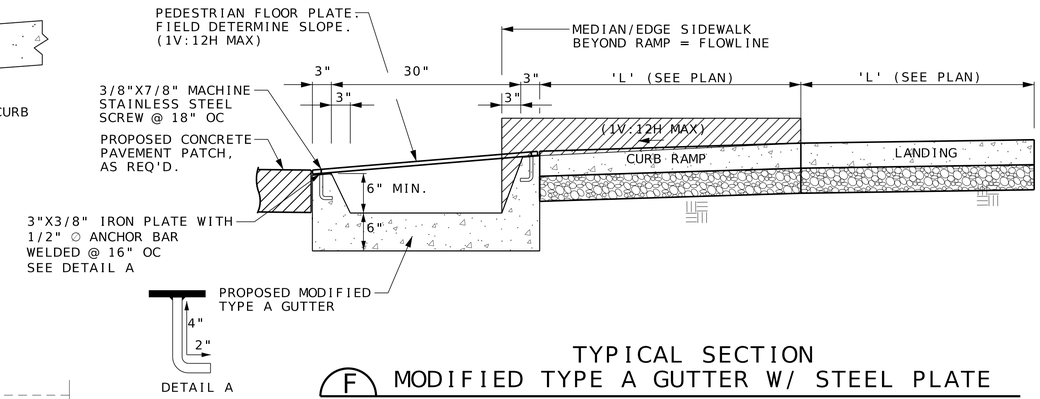
MISC. DETAIL-TYPICAL CUT-THRU SIDEWALK



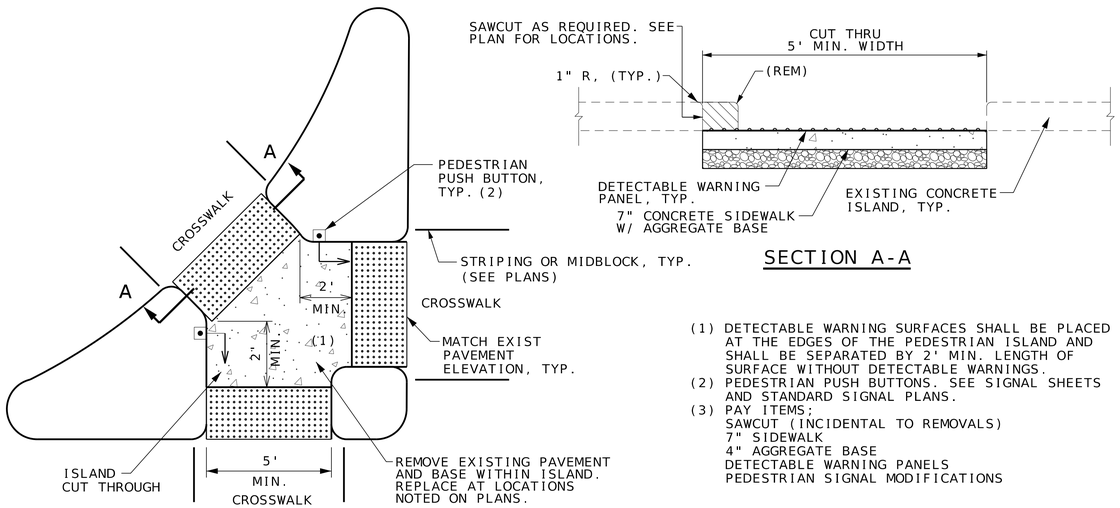
MISC. DETAIL-TYPICAL CONCRETE PAVEMENT PATCH



SECTION B-B



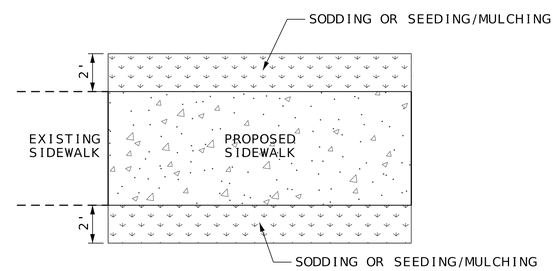
TYPICAL SECTION
(F) MODIFIED TYPE A GUTTER W/ STEEL PLATE



SECTION A-A

(1) DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND AND SHALL BE SEPARATED BY 2' MIN. LENGTH OF SURFACE WITHOUT DETECTABLE WARNINGS.
(2) PEDESTRIAN PUSH BUTTONS. SEE SIGNAL SHEETS AND STANDARD SIGNAL PLANS.
(3) PAY ITEMS;
SAWCUT (INCIDENTAL TO REMOVALS)
7" SIDEWALK
4" AGGREGATE BASE
DETECTABLE WARNING PANELS
PEDESTRIAN SIGNAL MODIFICATIONS

MISC. DETAIL-ISLAND CUT THRU MODIFICATIONS



MISC. DETAIL - SODDING OR SEEDING/MULCHING

ALL ROUTES
ALL LOCATIONS

TYPICAL SECTIONS
SHEET 3 OF 3

SIDEWALK & CROSSING DETAILS

NOT TO SCALE: FOLLOW DIMENSIONS

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

ADA IMPROVEMENTS - SIDEWALK (TABLE 1 OF 2)

LOCATION	STATION	SIDE	CONCRETE SIDEWALK (4 INCH) (S.Y.)	CONCRETE SIDEWALK (7 INCH) (S.Y.)	CONCRETE CURB RAMP (S.Y.)	TRUNCATED DOMES (S.F.)	REMARKS
FULTON - ROUTE Z							
SHT. 5	26+00	LT	2.8		8.3	21.0	
SHT. 6	25+60	RT	2.8		13.0	32.5	
CAMDENTON - US 54							
SHT. 9	546+75	LT	11.3		16.2	24.5	
SHT. 9	545+50	LT	2.8		6.9	10.0	
SHT. 10	750+70	LT	28.6				
SHT. 11	748+25	LT				14.0	
SHT. 11	747+95	LT		21.7		23.5	
SHT. 11	747+55	LT				12.0	
SHT. 12	740+00	LT		7.9		26.0	
SHT. 13	737+10	LT			18.0		
SHT. 13	733+90	LT	9.3				
SHT. 15	716+20	RT	22.1				
SHT. 16	713+50	RT	5.7		3.6		
SHT. 17	703+00	RT	11.1				
SHT. 17	702+00	RT	11.0				
POTOSI - MO 8							
SHT. 20	978+55	RT			16.2	21.5	
SHT. 20	981+50	LT				10.0	
SHT. 21	984+15	LT			3.9	16.0	
SHT. 21	984+15	RT			5.6	19.5	
SHT. 22	994+30	LT	5.6		7.2	12.5	
SHT. 23	1001+70	RT	14.1		5.0	10.0	
SHT. 23	1001+80	LT	5.6		5.9	24.5	
BELLE - MO 89							
SHT. 25	905+25	RT	4.4		20.9	21.5	
SHT. 25	905+25	LT			8.6	26.5	
SHT. 25	905+70	RT	5.6		7.3	20.0	
SHT. 25	905+70	LT	5.2		8.7	20.0	
SHT. 26	909+25	RT	11.4		5.8	20.0	
SHT. 26	909+25	LT	6.6		7.4	20.0	
SHT. 26	909+85	LT	2.4		13.4	20.0	
CALIFORNIA - BUSINESS 50							
SHT. 28	363+00	LT	2.2		18.0	20.0	
SHT. 28	363+50	LT			22.0	20.0	
SHT. 29	363+00	RT	2.2		13.3	20.0	
SHT. 29	363+50	RT	2.2		10.3	20.0	
SHT. 30	369+85	LT			19.2	20.0	
SHT. 30	369+85	RT			10.1	18.0	
		SUBTOTAL	175.0	29.6	274.8	543.5	

ADA IMPROVEMENTS - SIDEWALK (TABLE 2 OF 2)

LOCATION	STATION	SIDE	CONCRETE SIDEWALK (4 INCH) (S.Y.)	CONCRETE SIDEWALK (7 INCH) (S.Y.)	CONCRETE CURB RAMP (S.Y.)	TRUNCATED DOMES (S.F.)	REMARKS
CHAMOIS - ROUTE K							
SHT. 32	0+20	RT				21.0	
SHT. 32	0+20	LT			3.1	10.0	
SHT. 32	(RTE 89) 8+80	LT			2.2	20.0	
SHT. 32	(RTE 89) 8+80	RT			2.5	10.0	
SHT. 33	2+65	RT			20.8	17.5	
SHT. 33	2+65	LT	5.6		15.2	20.0	
SHT. 33	2+30	RT			25.1	26.5	
SHT. 33	2+30	LT			2.5	10.0	
SHT. 34	5+10	RT			16.4	21.0	
SHT. 34	5+10	LT			3.3	10.0	
SHT. 34	4+75	RT	5.6		10.6	31.0	
SHT. 34	4+75	LT			3.4	10.0	
SHT. 35	7+65	RT	6.4		2.7	10.0	
SHT. 35	7+05	RT			2.6	10.0	
SHT. 35	7+05	LT	13.9		5.8	25.5	
SHT. 36	10+60	LT			4.1	10.0	
SHT. 36-38	9+70 TO 13+13	RT	165.4		5.9	47.5	
SHT. 38	13+20	LT	15.6		9.0	20.0	
SHT. 39	13+60	LT	6.8		0.8	10.0	
ROLLA - ROUTE E							
SHT. 41	445+85	LT		12.3		30.0	
SHT. 41	446+05 TO 447+15	LT	57.5		14.3	33.0	
SHT. 42	452+65	LT		20.8		20.0	
SHT. 42	453+00	LT			14.5	16.0	
ST. JAMES - ROUTE 66							
SHT. 44	1515+75	LT/RT	19.7		3.4	14.0	
SHT. 44	1515+75	RT			10.5	14.0	
SHT. 45	1517+60	LT/RT	4.3		13.4	15.0	
SHT. 45	1518+15	LT/RT	4.3		13.7	15.0	
SHT. 46	1522+25	LT			6.8	10.0	
SHT. 46	1522+25	LT/RT	1.8		23.6	35.5	
SHT. 46	1522+25	RT			6.2	10.0	
SHT. 46	1522+95	LT			6.7	10.0	
SHT. 46	1522+95	LT/RT			25.3	36.0	
SHT. 46	1522+95	RT			7.1	10.0	
RICHLAND - MO 133							
SHT. 48	7+35	LT	2.0		11.1	10.0	
SHT. 48	7+35	RT	2.4		8.7	10.0	
SHT. 49	4+20	LT			5.9	10.0	
SHT. 49	4+20	RT			7.6	10.0	
SHT. 50	7+40	RT				47.0	
SHT. 51	11+10	LT	7.9		5.5	10.0	
SHT. 52	11+10	RT	4.2		9.1	20.0	
SHT. 52	11+90	RT				12.0	
SHT. 53	14+95	LT			7.6	14.0	
SHT. 53	15+55	LT			7.1	10.0	
SHT. 54	14+95	RT	28.7		18.2	14.5	
SHT. 54	15+55	RT			9.6	15.0	
SHT. 55	16+70	LT			6.3	12.0	
SHT. 55	17+40	LT			4.1	10.0	
SHT. 56	16+70	RT			6.8	12.0	
SHT. 56	17+40	RT	10.1		7.5	12.0	
SHT. 57	20+45	LT			6.6	12.0	
SHT. 57	21+20	LT			6.6	12.0	
SHT. 58	20+45	RT	12.9		7.7	12.0	
SHT. 58	21+20	RT				12.0	
CROCKER - MO 17/MO 133							
SHT. 60	593+60	RT			19.9	41.0	
SHT. 60	597+40	RT				10.0	
		SUBTOTAL	375.1	33.1	437.4	936.0	
		PAY TOTAL	550.1	62.7	712.2	1480	

QUANTITIES
SHEET 1 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
VARIES

JOB NO.
JCD0214

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

AGGREGATE (TABLE 1 OF 2)

LOCATION	STATION	SIDE	TYPE 5 AGGREGATE FOR BASE 4 IN. (S.Y.)	REMARKS
FULTON - ROUTE Z				
SHT. 5	26+00	LT	18	
SHT. 6	25+60	RT	25	
CAMDENTON - US 54				
SHT. 9	546+75	LT	34	
SHT. 9	545+50	LT	13	
SHT. 10	750+70	LT	29	
SHT. 11	748+50	LT	26	
SHT. 11	747+95	LT	22	
SHT. 12	740+00	LT	8	
SHT. 13	737+10	LT	18	
SHT. 13	733+90	LT	9	
SHT. 15	716+20	RT	26	
SHT. 16	713+50	RT	9	
SHT. 17	703+00	RT	11	
SHT. 17	702+00	RT	11	
POTOSI - MO 8				
SHT. 20	978+55	RT	92	
SHT. 21	984+15	LT	7	
SHT. 21	984+15	RT	9	
SHT. 22	994+30	LT	19	
SHT. 23	1001+70	RT	26	
SHT. 23	1001+80	LT	25	
BELLE - MO 89				
SHT. 25	905+25	RT	35	
SHT. 25	905+25	LT	18	
SHT. 25	905+70	RT	22	
SHT. 25	905+70	LT	22	
SHT. 26	909+25	RT	40	
SHT. 26	909+25	LT	27	
SHT. 26	909+85	LT	28	
CALIFORNIA - BUSINESS 50				
SHT. 28	363+00	LT	56	
SHT. 28	363+50	LT	28	
SHT. 29	363+00	RT	20	
SHT. 29	363+50	RT	19	
SHT. 30	369+85	LT	30	
SHT. 30	369+85	RT	17	
		SUBTOTAL	799	

AGGREGATE (TABLE 2 OF 2)

LOCATION	STATION	SIDE	TYPE 5 AGGREGATE FOR BASE 4 IN. (S.Y.)	REMARKS
CHAMOIS - ROUTE K				
SHT. 32	0+20	LT	3	
SHT. 32	(RTE 89) 8+80	LT	9	
SHT. 32	(RTE 89) 8+80	RT	3	
SHT. 33	2+65	LT	21	
SHT. 33	2+65	RT	21	
SHT. 33	2+30	RT	25	
SHT. 33	2+30	LT	3	
SHT. 34	5+10	RT	16	
SHT. 34	5+10	LT	3	
SHT. 34	4+75	RT	16	
SHT. 34	4+75	LT	3	
SHT. 35	7+65	RT	9	
SHT. 35	7+05	RT	3	
SHT. 35	7+05	LT	20	
SHT. 36	10+60	LT	4	
SHT. 36-38	9+70 TO 13+13	RT	217	
SHT. 38	13+20	LT	25	
SHT. 39	13+60	LT	8	
ROLLA - ROUTE E				
SHT. 41	445+85	LT	12	
SHT. 41	446+05 TO 447+15	LT	78	
SHT. 42	452+65	LT	21	
SHT. 42	453+00	LT	15	
ST. JAMES - ROUTE 66				
SHT. 44	1515+75	LT/RT	23	
SHT. 44	1515+75	RT	11	
SHT. 45	1517+60	LT/RT	18	
SHT. 45	1518+15	LT/RT	18	
SHT. 46	1522+25	LT	7	
SHT. 46	1522+25	LT/RT	25	
SHT. 46	1522+25	RT	9	
SHT. 46	1522+95	LT	7	
SHT. 46	1522+95	LT/RT	25	
SHT. 46	1522+95	RT	7	
RICHLAND - MO 133				
SHT. 48	7+35	LT	19	
SHT. 48	7+35	RT	11	
SHT. 49	4+20	LT	6	
SHT. 49	4+20	RT	8	
SHT. 51	11+10	LT	21	
SHT. 52	11+10	RT	20	
SHT. 53	14+95	LT	14	
SHT. 53	15+55	LT	11	
SHT. 54	14+95	RT	53	
SHT. 54	15+55	RT	17	
SHT. 55	16+70	LT	25	
SHT. 55	17+40	LT	10	
SHT. 56	16+70	RT	12	
SHT. 56	17+40	RT	27	
SHT. 57	20+45	LT	11	
SHT. 57	21+20	LT	12	
SHT. 58	20+45	RT	26	
CROCKER - MO 17/MO 133				
SHT. 60	593+60	RT	20	
		SUBTOTAL	1008	
		PAY TOTAL	1807	

MISC. SEEDING & MULCHING	
AREA (AC.)	0.1
LUMP SUM	1

MOBILIZATION	
LUMP SUM	1

CONTRACTOR FURNISHED SURVEYING AND STAKING	
LUMP SUM	1

MISC. REMOVE AND RELOCATE BENCH AND PLANTERS	
LUMP SUM	1

QUANTITIES
SHEET 2 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
VARIES

JOB NO.
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CONTRACT ID.

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BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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VEENSTRA & KIMM INC.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006047

ADA IMPROVEMENTS - EARTHWORK (TABLE 1 OF 2)

LOCATION	STATION	SIDE	LINEAR GRADING FOR ADA FACILITIES (L.F.)	REMARKS
FULTON - ROUTE Z				
SHT. 5	26+00	LT	22	
SHT. 6	25+60	RT	28	
CAMDENTON - US 54				
SHT. 9	546+75	LT	44	
SHT. 9	545+50	LT	16	
SHT. 10	750+70	LT	52	
SHT. 11	747+95	LT	34	
SHT. 12	740+00	LT	14	
SHT. 13	737+10	LT	32	
SHT. 13	733+90	LT	17	
SHT. 15	716+20	RT	41	
SHT. 16	713+50	RT	18	
SHT. 17	703+00	RT	20	
SHT. 17	702+00	RT	20	
POTOSI - MO 8				
SHT. 20	978+55	RT	29	
SHT. 21	984+15	LT	8	
SHT. 21	984+15	RT	8	
SHT. 22	994+30	LT	20	
SHT. 23	1001+70	RT	31	
SHT. 23	1001+80	LT	22	
BELLE - MO 89				
SHT. 25	905+25	RT	32	
SHT. 25	905+25	LT	10	
SHT. 25	905+70	RT	23	
SHT. 25	905+70	LT	26	
SHT. 26	909+25	RT	31	
SHT. 26	909+25	LT	27	
SHT. 26	909+85	LT	30	
CALIFORNIA - BUSINESS 50				
SHT. 28	363+00	LT	35	
SHT. 28	363+50	LT	37	
SHT. 29	363+00	RT	26	
SHT. 29	363+50	RT	22	
SHT. 30	369+85	LT	33	
SHT. 30	369+85	RT	20	
		SUBTOTAL	828	

ADA IMPROVEMENTS - EARTHWORK (TABLE 2 OF 2)

LOCATION	STATION	SIDE	LINEAR GRADING FOR ADA FACILITIES (L.F.)	REMARKS
CHAMOIS - ROUTE K				
SHT. 32	0+20	LT	6.0	
SHT. 32	(RTE 89) 8+80	LT	4	
SHT. 32	(RTE 89) 8+80	RT	5	
SHT. 33	2+65	LT	37	
SHT. 33	2+65	RT	38	
SHT. 33	2+30	LT	5	
SHT. 33	2+30	RT	41	
SHT. 34	5+10	RT	25	
SHT. 34	5+10	LT	6	
SHT. 34	4+75	RT	25	
SHT. 34	4+75	LT	6	
SHT. 35	7+65	RT	17	
SHT. 35	7+05	RT	5	
SHT. 35	7+05	LT	40	
SHT. 36	10+60	LT	8	
SHT. 36-38	9+70 TO 13+13	RT	312	
SHT. 38	13+20	LT	50	
SHT. 39	13+60	LT	14	
ROLLA - ROUTE E				
SHT. 41	445+85	LT	15	
SHT. 41	446+05 TO 447+15	LT	119	
SHT. 42	452+65	LT	37	
SHT. 42	453+00	LT	14	
ST. JAMES - ROUTE 66				
SHT. 44	1515+75	LT/RT	27	
SHT. 44	1515+75	RT	13	
SHT. 45	1517+60	LT/RT	21	
SHT. 45	1518+15	LT/RT	22	
SHT. 46	1522+25	LT	13	
SHT. 46	1522+25	LT/RT	35	
SHT. 46	1522+25	RT	11	
SHT. 46	1522+95	LT	13	
SHT. 46	1522+95	LT/RT	34	
SHT. 46	1522+95	RT	13	
RICHLAND - MO 133				
SHT. 48	7+35	LT	24	
SHT. 48	7+35	RT	20	
SHT. 49	4+20	LT	12	
SHT. 49	4+20	RT	14	
SHT. 51	11+10	LT	22	
SHT. 52	11+10	RT	23	
SHT. 53	14+95	LT	9	
SHT. 53	15+55	LT	12	
SHT. 54	14+95	RT	56	
SHT. 54	15+55	RT	15	
SHT. 55	16+70	LT	9	
SHT. 55	17+40	LT	8	
SHT. 56	16+70	RT	10	
SHT. 56	17+40	RT	25	
SHT. 57	20+45	LT	9	
SHT. 57	21+20	LT	10	
SHT. 58	20+45	RT	29	
CROCKER - MO 17/MO 133				
SHT. 60	593+60	RT	21	
		SUBTOTAL	1359	
		PAY TOTAL	2187	

QUANTITIES
SHEET 3 OF 11

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI * PROFESSIONAL ENGINEER *

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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ADA IMPROVEMENTS - CONCRETE PAVEMENT, MEDIAN & CURB & GUTTER

LOCATION	STATION	SIDE	PAVED APPROACH (8 INCH) (S.Y.)	CONCRETE MEDIAN (S.Y.)	TYPE A INTEGRAL CURB ≤6 INCH (L.F.)	TYPE B CONCRETE CURB & GUTTER (MODIFIED) (L.F.)	MODIFIED TYPE A CONCRETE GUTTER WITH STEEL PLATE (L.F.)	CONCRETE PAVEMENT (8 INCH) (NON-REINFORCED) (S.Y.)	REMARKS
FULTON - ROUTE Z									
SHT. 5	26+00	LT				21			
SHT. 6	25+60	RT				29			
CAMDENTON - US 54									
SHT. 9	546+75	LT				19			
SHT. 9	545+50	LT				10			
SHT. 11	748+50	LT				79			
SHT. 15	716+20	RT			77				
POTOSI - MO 8									
SHT. 20	978+55	RT	65.0					11.2	
SHT. 21	984+15	LT					8		
SHT. 21	984+15	RT					10		
SHT. 22	994+30	LT			10			6.0	
SHT. 23	1001+70	RT			43			4.6	
SHT. 23	1001+80	LT		4.1				9.4	
BELLE - MO 89									
SHT. 25	905+25	RT		2.0				7.6	
SHT. 25	905+25	LT				18		3.7	
SHT. 25	905+70	RT		2.6		12		2.7	
SHT. 25	905+70	LT		3.9				3.7	
SHT. 26	909+25	RT		6.7		32		5.6	
SHT. 26	909+25	LT		3.7		18		3.3	
SHT. 26	909+85	LT		4.3				8.2	
CALIFORNIA - BUSINESS 50									
SHT. 28	363+00	LT	23.8	3.7	4	24			
SHT. 28	363+50	LT		0.5		15			
SHT. 29	363+00	RT				12			
SHT. 29	363+50	RT		0.6	7	16			
SHT. 30	369+85	LT		2.1		25			
SHT. 30	369+85	RT		1.0		17			
CHAMOIS - ROUTE K									
SHT. 32	(RTE 89) 8+80	LT						6.9	
SHT. 33	2+30	LT						0.5	
SHT. 36-38	9+70 TO 13+13	RT	45.6						
ROLLA - ROUTE E									
SHT. 41	446+05 TO 447+15	LT			15	17			
ST. JAMES - ROUTE 66									
SHT. 46	1522+25	RT				7			
RICHLAND - MO 133									
SHT. 48	7+35	LT						5.6	
SHT. 51	11+10	LT	5.4	1.8					
SHT. 52	11+10	RT			11	18			
SHT. 53	14+95	LT				20			
SHT. 53	15+55	LT				12			
SHT. 54	14+95	RT			11	17			
SHT. 54	15+55	RT				23			
SHT. 55	16+70	LT		10.0		27			
SHT. 55	17+40	LT		1.6		14			
SHT. 56	16+70	RT				16			
SHT. 56	17+40	RT			15	26			
SHT. 57	20+45	LT				12			
SHT. 57	21+20	LT				15			
SHT. 58	20+45	RT			28	12			
SUBTOTAL			139.8	48.6	221	583	18	79.0	
PAY TOTAL			139.8	48.6	221	583	18	79.0	

QUANTITIES
SHEET 4 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
VARIES

JOB NO.
JCD0214

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

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EROSION CONTROL (TABLE 1 OF 2)

LOCATION	STATION	SIDE	SILT FENCE (L.F.)	SEDIMENT REMOVAL (C.Y.)	ALTERNATE DITCH CHECK (L.F.)	CURB INLET CHECK (EA.)	REMARKS
FULTON - ROUTE Z							
SHT. 5	26+00	LT	22	1			
SHT. 6	25+60	RT	30	1			
CAMDENTON - US 54							
SHT. 9	546+75	LT	65	3		1	
SHT. 9	545+50	LT	30	1			
SHT. 10	750+70	LT	55	1			
SHT. 11	748+50	LT	75	3		1	
SHT. 13	737+10	LT	20	1			
SHT. 13	733+90	LT	20	1			
SHT. 15	716+20	RT		2		1	
SHT. 16	713+50	RT	20	2		1	
SHT. 17	703+00	RT	20	1			
SHT. 17	702+00	RT	20	2		1	
POTOSI - MO 8							
SHT. 20	978+55	RT		2		1	
SHT. 22	994+30	LT		2		1	
SHT. 23	1001+70	RT	31	1			
SHT. 23	1001+80	LT		2		1	
BELLE - MO 89							
SHT. 25	905+25	RT		2		1	
SHT. 25	905+25	LT	5	1			
SHT. 25	905+70	RT		2		1	
SHT. 25	905+70	LT	10	2		1	
SHT. 26	909+25	RT	20	5		2	
SHT. 26	909+25	LT	20	3		1	
SHT. 26	909+85	LT	20	5		2	
CALIFORNIA - BUSINESS 50							
SHT. 28	363+00	LT		2		1	
SHT. 28	363+50	LT	30	4		2	
SHT. 29	363+00	RT	30	3		1	
SHT. 30	369+85	LT	30	3		1	
SHT. 30	369+85	RT	10	3		1	
SUBTOTAL			583	61	0	22	

EROSION CONTROL (TABLE 2 OF 2)

LOCATION	STATION	SIDE	SILT FENCE (L.F.)	SEDIMENT REMOVAL (C.Y.)	ALTERNATE DITCH CHECK (L.F.)	CURB INLET CHECK (EA.)	REMARKS
CHAMOIS - ROUTE K							
SHT. 32	(RTE 89) 8+80	LT	20	1			
SHT. 33	2+65	LT	20	3		1	
SHT. 33	2+65	RT	20	1			
SHT. 33	2+30	LT	20	3		1	
SHT. 33	2+30	RT	40	1			
SHT. 34	5+10	LT	15	1			
SHT. 34	5+10	RT	25	1			
SHT. 34	4+75	LT	15	1			
SHT. 34	4+75	RT	25	1			
SHT. 35	7+65	RT	20	1			
SHT. 35	7+05	RT	10	1			
SHT. 35	7+05	LT	35	1			
SHT. 36	10+60	LT	15	1			
SHT. 36-38	9+70 TO 13+13	RT	350	7			
SHT. 38	13+20	LT	85	1			
SHT. 39	13+60	LT	30	1			
ROLLA - ROUTE E							
SHT. 41	446+05 TO 447+15	LT	120	2			
SHT. 42	453+00	LT	20	1			
ST. JAMES - ROUTE 66							
SHT. 44	1515+75	LT/RT	50	1			
SHT. 44	1515+75	RT	25	1			
SHT. 45	1517+60	LT/RT	65	1			
SHT. 45	1518+15	LT/RT	70	1			
SHT. 46	1522+25	LT	25	1			
SHT. 46	1522+25	LT/RT	65	1			
SHT. 46	1522+25	RT	20	1			
SHT. 46	1522+95	LT	25	1			
SHT. 46	1522+95	LT/RT	80	1			
SHT. 46	1522+95	RT	25	1			
RICHLAND - MO 133							
SHT. 48	7+35	LT	50	5	20		2 EA. AT 10'
SHT. 48	7+35	RT	40	5	20		2 EA. AT 10'
SHT. 49	4+20	LT	20	1			
SHT. 49	4+20	RT	25	1			
SHT. 52	11+10	RT	20	3		1	
SHT. 53	15+55	LT	25	1			
SHT. 54	15+55	RT	25	1			
SHT. 57	20+45	LT	25	3		1	
SHT. 57	21+20	LT	20	1			
SHT. 58	20+45	RT	25	1			
CROCKER - MO 17/MO 133							
SHT. 60	593+60	RT	25	1			
SUBTOTAL			1635	62	40	4	
PAY TOTAL			2218	123	40	26	

QUANTITIES
SHEET 5 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY: VARIES
JOB NO.: JCD0214
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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9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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REMOVAL OF IMPROVEMENTS (TABLE 1 OF 2)

LOCATION	STATION	SIDE	SIDEWALK REMOVAL (S.Y.)	PAVEMENT REMOVAL (S.Y.)	CURB/GUTTER REMOVAL (L.F.)	MISC. REMOVAL (EA.)	REMARKS
FULTON - ROUTE Z							
SHT. 5	26+00	LT	11		21		
SHT. 6	25+60	RT	16		29		
CAMDENTON - US 54							
SHT. 9	546+75	LT	28		19		
SHT. 9	545+50	LT	10		10		
SHT. 10	750+70	LT	29				
SHT. 11	748+50	LT			79		
SHT. 11	747+95	LT		22			
SHT. 12	740+00	LT		8			
SHT. 13	737+10	LT	18				
SHT. 13	733+90	LT	9				
SHT. 15	716+20	RT	22				
SHT. 16	713+50	RT	9				
SHT. 17	703+00	RT	11				
SHT. 17	702+00	RT	11				
SHT. 79	545+60	RT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	545+67	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	545+68	RT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	545+80	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	546+65	RT				2	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	546+71	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 79	546+79	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 85	739+40	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 85	740+01	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 85	740+27	LT				1	EXIST PUSH BUTTON & SIGN(S)
SHT. 91	731+44	LT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
SHT. 91	731+56	LT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
SHT. 91	731+64	RT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
SHT. 91	732+49	LT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
SHT. 97	698+06	RT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
SHT. 97	698+69	RT				1	EXIST PUSH BUTTON, SIGN(S) & EXTENSION
POTOSI - MO 8							
SHT. 20	978+55	RT	16	76			
SHT. 21	984+15	LT	4		8		
SHT. 21	984+15	RT	6		10		
SHT. 22	994+30	LT	13	6			
SHT. 23	1001+70	RT	19	5			
SHT. 23	1001+80	LT	12	9			
SHT. 23	1001+82	LT				1	EXISTING SIGN
BELLE - MO 89							
SHT. 25	905+25	RT	25	8			
SHT. 25	905+25	LT	9	4	18		
SHT. 25	905+70	RT	13	3	12		
SHT. 25	905+70	LT	14	4			
SHT. 26	909+25	RT	17	6	32		
SHT. 26	909+25	LT	14	3	18		
SHT. 26	909+85	LT	16	8			
SHT. 26	909+35	LT				1	EXISTING SIGN BASE
SHT. 25	905+24	LT				1	EXISTING SIGN
SHT. 25	905+73	LT				1	EXISTING SIGN
SHT. 26	909+84	LT				1	EXISTING SIGN
SHT. 26	909+89	LT				1	EXISTING SIGN
CALIFORNIA - BUSINESS 50							
SHT. 28	363+00	LT	20	24	24		
SHT. 28	363+50	LT	22		15		
SHT. 29	363+00	RT	16		12		
SHT. 29	363+50	RT	13		16		
SHT. 30	369+85	LT	19		25		
SHT. 30	369+85	RT	10		17		
SHT. 28	363+05	LT				1	EXISTING SIGN
SHT. 28	363+50	RT				1	EXISTING SIGN
SUBTOTAL			452	186	365	25	

REMOVAL OF IMPROVEMENTS (TABLE 2 OF 2)

LOCATION	STATION	SIDE	SIDEWALK REMOVAL (S.Y.)	PAVEMENT REMOVAL (S.Y.)	CURB/GUTTER REMOVAL (L.F.)	MISC. REMOVAL (EA.)	REMARKS
CHAMOIS - ROUTE K							
SHT. 32	(RTE 89) 8+80	LT	2	7			
SHT. 32	(RTE 89) 8+80	RT	3				
SHT. 33	2+65	RT	21				
SHT. 33	2+65	LT	21				
SHT. 33	2+30	RT	25				
SHT. 33	2+30	LT	3	1			
SHT. 34	5+10	RT	16				
SHT. 34	5+10	LT	3				
SHT. 34	4+75	RT	16				
SHT. 34	4+75	LT	3				
SHT. 35	7+65	RT	9				
SHT. 35	7+05	LT	20				
SHT. 36-38	9+70 TO 13+13	RT	171	46			
SHT. 38	13+20	LT	25				
SHT. 39	13+60	LT	8				
ROLLA - ROUTE E							
SHT. 41	445+85	LT		12			
SHT. 41	446+05 TO 447+15	LT	72		17		
SHT. 42	452+65	LT		21			
SHT. 42	453+00	LT	15				
ST. JAMES - ROUTE 66							
SHT. 44	1515+75	LT/RT	12				
SHT. 44	1515+75	RT	14				
SHT. 45	1517+60	LT/RT	32				
SHT. 45	1518+15	LT/RT	36				
SHT. 46	1522+25	LT	7				
SHT. 46	1522+25	LT/RT	38				
SHT. 46	1522+25	RT	6		7		
SHT. 46	1522+95	LT	7				
SHT. 46	1522+95	LT/RT	42				
SHT. 46	1522+95	RT	7				
SHT. 46	1522+15	RT				1	EXISTING SIGN
SHT. 46	1523+05	LT				1	EXISTING SIGN
RICHLAND - MO 133							
SHT. 48	7+35	LT	13	6			
SHT. 48	7+35	RT	11				
SHT. 49	4+20	LT	6				
SHT. 51	11+10	LT	13	5			
SHT. 52	11+10	RT	13		18		
SHT. 53	14+95	LT	8		20		
SHT. 53	15+55	LT	2		12		
SHT. 54	14+95	RT	47		17		
SHT. 54	15+55	RT	10		23		
SHT. 55	16+70	LT	6		27		
SHT. 55	17+40	LT	7		14		
SHT. 56	16+70	RT	7		16		
SHT. 56	17+40	RT	18		26		
SHT. 57	20+45	LT	8		12		
SHT. 57	21+20	LT	7		15		
SHT. 58	20+45	RT	19		12		
SHT. 103	7+28	RT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	7+29	LT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	7+41	LT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	7+43	RT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	8+00	LT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	8+01	RT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	8+08	LT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 103	8+11	RT				1	EXISTING PUSH BUTTON & SIGN(S)
SHT. 54	14+89	RT				1	EXISTING SIGN(S)
SHT. 51	11+91	LT				1	EXISTING SIGN(S)
CROCKER - MO 17/MO 133							
SHT. 60	593+60	RT	20				
SUBTOTAL			849	98	236	12	
PAY TOTAL			LUMP SUM				

NOTE:
NO DIRECT PAY WILL BE MADE FOR MISC. REMOVALS.
THEY ARE INCLUDED IN THE LUMP SUM COST FOR
REMOVAL OF IMPROVEMENTS.

QUANTITIES
SHEET 6 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY VARIES
JOB NO. JCD0214
CONTRACT ID.
PROJECT NO.
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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Certificate of Authority No. 2002006347

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SIGNING (TABLE 1 OF 2)

EFFECTIVE: 07-01-2024

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)					CONCRETE FOOTINGS EMBEDDED	PIPE POSTS					PERFORATED SQUARE STEEL TUBE 2-INCH POST						REMARKS AND OTHER REQUIRED ITEMS
														ANCHORS			
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	LOCATION	MISC. RELOCATE SIGN (EA.)	ITEM NO. 9031010	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN 12 GA. ITEM NO. 9031271A	DRIVEN 7 GA. ITEM NO. 9031273A	CONCRETE 7 GA. ITEM NO. 9031274	
					CY	IN	LF	LF		LBS	LF	LF	LF	EACH	EACH	EACH	
NEW SIGNS																	
FULTON - ROUTE Z																	
1		25+56 RT	RTE Z								12		12	1			CROSSWALK SIGNS
2		25+93 LT	RTE Z								12		12	1			CROSSWALK SIGNS
POTOSI - MO 8																	
3		1001+83 LT	MO 8								12		12	1			CROSSWALK SIGNS
BELLE - MO 89																	
4		905+09 RT	MO 89								12		12	1			CROSSWALK SIGNS
5		905+77 LT	MO 89								12		12	1			CROSSWALK SIGNS
CALIFORNIA - BUSINESS 50																	
6		369+77 RT	BUS 50								12		12	1			CROSSWALK SIGNS
7		369+91 LT	BUS 50								12		12	1			CROSSWALK SIGNS
CHAMOIS - ROUTE K																	
8		2+27 RT	RTE K								12		12	1			CROSSWALK SIGNS
9		2+76 LT	RTE K								12		12	1			CROSSWALK SIGNS
10		4+70 RT	RTE K								12		12	1			CROSSWALK SIGNS
11		5+17 LT	RTE K								12		12	1			CROSSWALK SIGNS
12		6+95 RT	RTE K								12		12	1			CROSSWALK SIGNS
13		7+70 LT	RTE K								12		12	1			CROSSWALK SIGNS
14		10+70 LT	RTE K								12		12	1			CROSSWALK SIGNS
15		10+55 RT	RTE K								12		12	1			CROSSWALK SIGNS
ROLLA - ROUTE E																	
16		446+15 LT	RTE E								12		12	1			CROSSWALK SIGNS
ST. JAMES - ROUTE 66																	
17		1515+66 RT	RTE 66								12		12	1			CROSSWALK SIGNS
18		1515+66 RT	RTE 66								12		12	1			CROSSWALK SIGNS
19		1517+69 LT	RTE 66								12		12	1			CROSSWALK SIGNS
20		1518+05 RT	RTE 66								12		12	1			CROSSWALK SIGNS
21		1522+26 LT	RTE 66								12		12	1			CROSSWALK SIGNS
22		1522+26 LT	RTE 66								12		12	1			CROSSWALK SIGNS
23		1522+18 RT	RTE 66								12		12	1			CROSSWALK SIGNS
24		1522+18 RT	RTE 66								12		12	1			CROSSWALK SIGNS
25		1522+34 LT	RTE 66								12		12	1			CROSSWALK SIGNS
26		1522+83 RT	RTE 66								12		12	1			CROSSWALK SIGNS
27		1522+99 LT	RTE 66								12		12	1			CROSSWALK SIGNS
28		1522+99 LT	RTE 66								12		12	1			CROSSWALK SIGNS
29		1522+91 RT	RTE 66								12		12	1			CROSSWALK SIGNS
30		1522+91 RT	RTE 66								12		12	1			CROSSWALK SIGNS
RICHLAND - MO 133																	
31		7+23 RT	MO 133								12		12	1			CROSSWALK SIGNS
32		7+40 LT	MO 133								12		12	1			CROSSWALK SIGNS
33		4+14 RT	MO 133								12		12	1			CROSSWALK SIGNS
34		4+39 LT	MO 133								12		12	1			CROSSWALK SIGNS
35		11+19 LT	MO 133								12		12	1			CROSSWALK SIGNS
36		11+86 LT	MO 133								12		12	1			CROSSWALK SIGNS
37		11+00 RT	MO 133								12		12	1			CROSSWALK SIGNS
38		11+84 RT	MO 133								12		12	1			CROSSWALK SIGNS
39		15+01 LT	MO 133								12		12	1			CROSSWALK SIGNS
40		14+89 RT	MO 133								12		12	1			CROSSWALK SIGNS
41		15+61 RT	MO 133								12		12	1			CROSSWALK SIGNS
42		16+75 LT	MO 133								12		12	1			CROSSWALK SIGNS
43		17+52 LT	MO 133								12		12	1			CROSSWALK SIGNS
44		16+67 RT	MO 133								12		12	1			CROSSWALK SIGNS
45		17+39 RT	MO 133								12		12	1			CROSSWALK SIGNS
46		20+49 LT	MO 133								12		12	1			CROSSWALK SIGNS
47		21+26 LT	MO 133								12		12	1			CROSSWALK SIGNS
48		20+40 RT	MO 133								12		12	1			CROSSWALK SIGNS
49		21+17 RT	MO 133								12		12	1			CROSSWALK SIGNS
		SUBTOTAL		0	0.00								588	49			

QUANTITIES
SHEET 7 OF 11

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SIGNING (TABLE 2 OF 2)

EFFECTIVE: 07-01-2024

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)					CONCRETE FOOTINGS EMBEDDED	PIPE POSTS					PERFORATED SQUARE STEEL TUBE 2-INCH POST						REMARKS AND OTHER REQUIRED ITEMS
														ANCHORS			
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	LOCATION	MISC. RELOCATE SIGN (EA.)	ITEM NO. 9031010	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN 12 GA. ITEM NO. 9031271A	DRIVEN 7 GA. ITEM NO. 9031273A	CONCRETE 7 GA. ITEM NO. 9031274	
					CY	IN	LF	LF		LBS	LF	LF	LF	EACH	EACH	EACH	
RELOCATED SIGNS																	
POTOSI - MO 8																	
100		1001+82 LT	MO 8	1							12		12	1			STOP SIGN AND 2 STREET SIGNS - NEW POST
BELLE - MO 89																	
101		905+24 LT	MO 89	1							12		12	1			STOP SIGN - NEW POST
102		905+65 LT	MO 89	1							12		12	1			STREET SIGN ASSEMBLY - NEW POST
103		909+74 LT	MO 89	1							12		12	1			STREET SIGN ASSEMBLY - NEW POST
104		909+83 LT	MO 89	1	0.13												STOP SIGN ASSEMBLY - USE EXISTING POST & BASE
CALIFORNIA - BUSINESS 50																	
105		363+05 LT	BUS 50	1							12		12	1			STOP SIGN - NEW POST
106		363+50 RT	BUS 50	1							12		12	1			STOP SIGN - NEW POST
RICHLAND - MO 133																	
107		12+41 LT	MO 133	1							12		12	1			JCT & HWY 7 - NEW POST
108		15+01 RT	MO 133	1							12		12	1			STREET SIGN ASSEMBLY - NEW POST
		SUBTOTAL		9	0.13								96	8			
		PAY TOTAL		9	0.2								684	57			

ROUND PIPE POST FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'- 3½"	12"	4-6"	0.13
4	10.79	0.90	5'- 3½"	18"	5-6"	0.36

PIPE CULVERTS / CLASS 3 EXCAVATION

LOCATION	STATION	SIDE	12 IN. GROUP C (L.F.)	12 IN. GROUP C FLARED END (EA.)	CLASS 3 EXCAVATION (C.Y.)	REMARKS
RICHLAND - MO 133						
SHT. 48	7+40	LT	16	2	14	
SHT. 48	7+35	RT	15	2	14	
SUBTOTAL			31	4	28	
PAY TOTAL			31	4	28	

ADJUSTING WATER VALVES AND OTHER APPURTENANCES

LOCATION	STATION	SIDE	QUANTITY (EA.)	REMARKS
POTOSI - MO 8				
SHT. 20	978+46	RT	2	WATER VALVE
SHT. 20	978+59	RT	1	WATER VALVE
SHT. 20	978+61	RT	1	WATER VALVE
SHT. 21	984+13	RT	1	GAS VALVE
SHT. 21	984+21	RT	1	GAS VALVE
CALIFORNIA - BUSINESS 50				
SHT. 28	363+05	LT	1	WATER METER
SUBTOTAL			7	
PAY TOTAL			7	

ADJUSTING MANHOLE

LOCATION	STATION	SIDE	QUANTITY (EA.)	REMARKS
CHAMOIS - ROUTE K				
SHT. 33	2+23	RT	1	STORM SEWER
SHT. 33	2+74	RT	1	STORM SEWER
SHT. 34	4+74	RT	1	STORM SEWER
SHT. 34	5+16	RT	1	STORM SEWER
SUBTOTAL			4	
PAY TOTAL			4	

ADJUSTING BASIN OR INLET

LOCATION	STATION	SIDE	QUANTITY (EA.)	REMARKS
CAMDENTON - US 54				
SHT. 9	546+75	LT	1	
POTOSI - MO 8				
SHT. 20	978+55	RT	1	
SHT. 22	944+30	LT	2	
SHT. 23	1001+70	RT	1	
SHT. 23	1001+80	LT	2	
BELLE - MO 89				
SHT. 25	905+25	RT	1	
SHT. 25	905+65	RT	1	
SHT. 26	909+25	RT	2	
SHT. 26	909+25	LT	1	
SHT. 26	909+85	LT	1	
CALIFORNIA - BUSINESS 50				
SHT. 28	363+00	LT	1	
SHT. 28	363+50	LT	2	
SHT. 29	363+00	RT	1	
SHT. 30	369+85	LT	1	
SHT. 30	369+85	RT	1	
RICHLAND - MO 133				
SHT. 52	11+10	RT	2	
SHT. 58	20+45	RT	1	
SUBTOTAL			22	
PAY TOTAL			22	

MODIFY INLETS ONLY IF DAMAGED DURING CONSTRUCTION OR ADJACENT GUTTER MODIFICATIONS REQUIRE INLET MODIFICATIONS, TYP.

QUANTITIES
SHEET 8 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SIGNING - (TABLE 1 OF 1)

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH								
			SHF W11-2 36 x 36	SHF W16-7PL 30 x 18	SHF W16-7PR 30 x 18						
FULTON - ROUTE Z											
1	25+56 RT	RTE Z	1	1							
2	25+93 LT	RTE Z	1	1							
POTOSI - MO 8											
3	1001+83 LT	MO 8	1	1							
BELLE - MO 89											
4	905+09 RT	MO 89	1	1							
5	905+77 LT	MO 89	1	1							
CALIFORNIA - BUSINESS 50											
6	369+77 RT	BUS 50	1	1							
7	369+91 LT	BUS 50	1	1							
CHAMOIS - ROUTE K											
8	2+27 RT	RTE K	1	1							
9	2+76 LT	RTE K	1	1							
10	4+70 RT	RTE K	1	1							
11	5+17 LT	RTE K	1	1							
12	6+95 RT	RTE K	1	1							
13	7+70 LT	RTE K	1	1							
14	10+70 LT	RTE K	1	1							
15	10+55 RT	RTE K	1	1							
ROLLA - ROUTE E											
16	446+15 LT	RTE E	1	1							
ST. JAMES - ROUTE 66											
17	1515+66 RT	RTE 66	1		1						
18	1515+66 RT	RTE 66	1	1							
19	1517+69 LT	RTE 66	1	1							
20	1518+05 RT	RTE 66	1	1							
21	1522+26 LT	RTE 66	1	1							
22	1522+26 LT	RTE 66	1		1						
23	1522+18 RT	RTE 66	1		1						
24	1522+18 RT	RTE 66	1	1							
25	1522+34 LT	RTE 66	1	1							
26	1522+83 RT	RTE 66	1	1							
27	1522+99 LT	RTE 66	1	1							
28	1522+99 LT	RTE 66	1		1						
29	1522+91 RT	RTE 66	1		1						
30	1522+91 RT	RTE 66	1	1							
RICHLAND - MO 133											
31	7+23 RT	MO 133	1	1							
32	7+40 LT	MO 133	1	1							
33	4+14 RT	MO 133	1	1							
34	4+39 LT	MO 133	1	1							
35	11+19 LT	MO 133	1	1							
36	11+86 LT	MO 133	1	1							
37	11+00 RT	MO 133	1	1							
38	11+84 RT	MO 133	1	1							
39	15+01 LT	MO 133	1	1							
40	14+89 RT	MO 133	1	1							
41	15+61 RT	MO 133	1	1							
42	16+75 LT	MO 133	1	1							
43	17+52 LT	MO 133	1	1							
44	16+67 RT	MO 133	1	1							
45	17+39 RT	MO 133	1	1							
46	20+49 LT	MO 133	1	1							
47	21+26 LT	MO 133	1	1							
48	20+40 RT	MO 133	1	1							
49	21+17 RT	MO 133	1	1							
		TOTALS	49	44	5						

SIGN SUMMARY

EFFECTIVE: 10-01-2016

STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
W11-2		49	36 x 36		441		
W16-7PL		44	30 x 18		165		
W16-7PR		5	30 x 18		19		
TOTALS					625		

*ORANGE, YELLOW AND YELLOW-GREEN

QUANTITIES
SHEET 9 OF 11

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
STATE OF MISSOURI
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006047

PAVEMENT MARKING

LOCATION	STATION	SIDE	PREFORMED THERMOPLASTIC 24 INCH WHITE (L.F.)	PAVEMENT MARKING REMOVAL (L.F.)	REMARKS
FULTON - ROUTE Z					
SHT. 5-6	25+85	LT/RT	84		MIDBLOCK 14 EACH AT 6' WIDE - WOOD ST INTERSECTION
CAMDENTON - US 54					
SHT. 9	564+00	LT/RT	498	664	MIDBLOCK 83 EACH AT 6' WIDE - BUSINESS 5 INTERSECTION
SHT. 11	748+00	LT	66	96	MIDBLOCK 11 EACH AT 6' WIDE - MO 5 ON RAMP INTERSECTION
SHT. 12	740+00	LT	102	144	MIDBLOCK 17 EACH AT 6' WIDE - MO 5 OFF RAMP INTERSECTION
SHT. 14	732+00	LT/RT	222	310	MIDBLOCK 37 EACH AT 6' WIDE - LAKER PRIDE RD INTERSECTION
SHT. 18	698+50	RT	150	200	MIDBLOCK 25 EACH AT 6' WIDE - CECIL ST INTERSECTION
POTOSI - MO 8					
SHT. 23	1001+75	LT/RT	48	66	MIDBLOCK 8 EACH AT 6' WIDE
BELLE - MO 89					
SHT. 25	905+50	LT/RT	126		MIDBLOCK 21 EACH AT 6' WIDE - SECOND ST INTERSECTION
CALIFORNIA - BUSINESS 50					
SHT. 28-29	363+25	LT/RT	96		MIDBLOCK 16 EACH AT 6' WIDE - WILLIAMS ST INTERSECTION
SHT. 27	369+85	LT/RT	48		MIDBLOCK 8 EACH AT 6' WIDE - HIGH ST INTERSECTION
CHAMOIS - ROUTE K					
SHT. 32	0+00	LT/RT	114		MIDBLOCK 19 EACH AT 6' WIDE - MAIN ST/MO 89 INTERSECTION
SHT. 33	2+50	LT/RT	60		MIDBLOCK 10 EACH AT 6' WIDE - MARKET ST INTERSECTION
SHT. 34	5+00	LT/RT	60		MIDBLOCK 10 EACH AT 6' WIDE - LOCUST ST INTERSECTION
SHT. 35	7+50	LT/RT	78		MIDBLOCK 13 EACH AT 6' WIDE - 3RD ST/VINE ST INTERSECTION
SHT. 36	10+60	LT/RT	30		MIDBLOCK 5 EACH AT 6' WIDE
SHT. 38-39	13+50	LT/RT	96		MIDBLOCK 16 EACH AT 6' WIDE - VINE ST/5TH ST INTERSECTION
ROLLA - ROUTE E					
SHT. 41	446+00	LT	56	60	MIDBLOCK 8 EACH AT 7' WIDE - WHITE COLUMNS DR INTERSECTION
SHT. 41	447+00	LT	40	40	MIDBLOCK 5 EACH AT 8' WIDE - I-44 OFF RAMP INTERSECTION
SHT. 42	452+75	LT	78	110	MIDBLOCK 13 EACH AT 6' WIDE - I-44 ON RAMPS INTERSECTIONS
ST. JAMES - ROUTE 66					
SHT. 44	1515+75	RT	35		MIDBLOCK 5 EACH AT 7' WIDE
SHT. 45	1517+75	LT/RT	49		MIDBLOCK 7 EACH AT 7' WIDE - BOURBEUSE ST INTERSECTION
SHT. 46	1522+60	LT/RT	80		MIDBLOCK 10 EACH AT 8' WIDE - MERAMEC ST INTERSECTION
SHT. 46	1522+20	LT/RT	60		MIDBLOCK 10 EACH AT 6' WIDE
SHT. 46	1522+95	LT/RT	60		MIDBLOCK 10 EACH AT 6' WIDE
RICHLAND - MO 133					
SHT. 48	7+40	LT/RT	36		MIDBLOCK 6 EACH AT 6' WIDE - LOCUST ST INTERSECTION
SHT. 49	4+25	LT/RT	54		MIDBLOCK 9 EACH AT 6' WIDE - NATIONAL AVE INTERSECTION
SHT. 50	7+75	LT/RT	252	344	MIDBLOCK 42 EACH AT 6' WIDE - WASHINGTON AVE INTERSECTION
SHT. 51-52	11+50	LT/RT	138		MIDBLOCK 23 EACH AT 6' WIDE - CAMDEN AVE INTERSECTION
SHT. 53-54	15+25	LT/RT	108	74	MIDBLOCK 18 EACH AT 6' WIDE - MCCLURG ST INTERSECTION
SHT. 55-56	17+00	LT/RT	120		MIDBLOCK 20 EACH AT 6' WIDE - MAIN ST INTERSECTION
SHT. 57-58	21+00	LT/RT	120		MIDBLOCK 20 EACH AT 6' WIDE - PULASKI AVE INTERSECTION
		SUBTOTAL	3164	2108	
		PAY TOTAL	3164	2108	

QUANTITIES
SHEET 10 OF 11

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
VARIES

JOB NO.
JCD0214

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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	2	32.00			3	SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00	1	5.00			20A	XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	6	96.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	2	32.00			20	ROAD CLOSED AHEAD
WO20-4	48X48	16.00	2	32.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	2	32.00			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	3	48.00			21	SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12.00			54	WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	4	48.00			4,25	SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	6	12.00			80	SIDEWALK CLOSED
R9-11L	24X18	3.00	2	6.00			81	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	2	6.00			82	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	2	20.00			29	ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	1	12.50			30	ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00			70	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	
	434	*

616-10.10 RELOCATED SIGNS	TOTAL
	0

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	9 *	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	9 *	TYPE 3 MOVEABLE BARRICADE
6161033	16 *	DIRECTION INDICATOR BARRICADE
6161040	1 *	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055	18 *	SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	6	DETECTABLE PED. CHANNELIZER BARRICADE

TEMPORARY TRAFFIC CONTROL	
PAY TOTAL	1 LUMP SUM *

* NOTES:

QUANTITIES SHOWN ARE THE MINIMAL AMOUNT OF EACH ITEM REQUIRED TO BE UTILIZED BY THE CONTRACTOR FOR TRAFFIC CONTROL OPERATIONS. ADDITIONAL ITEMS DEEMED NECESSARY FOR SAFE CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR. NO DIRECT PAY.

ALL ITMES AND/OR DEVICES MARKED WITH AN * WILL NOT BE PAID FOR SEPARATELY. ALL ITEMS WITH AN * ARE TO BE INCLUDED IN THE PAY ITEM 6169901, MISC.TEMPORARY TRAFFIC CONTROL, PER LUMP SUM.

QUANTITIES
SHEET 11 OF 11

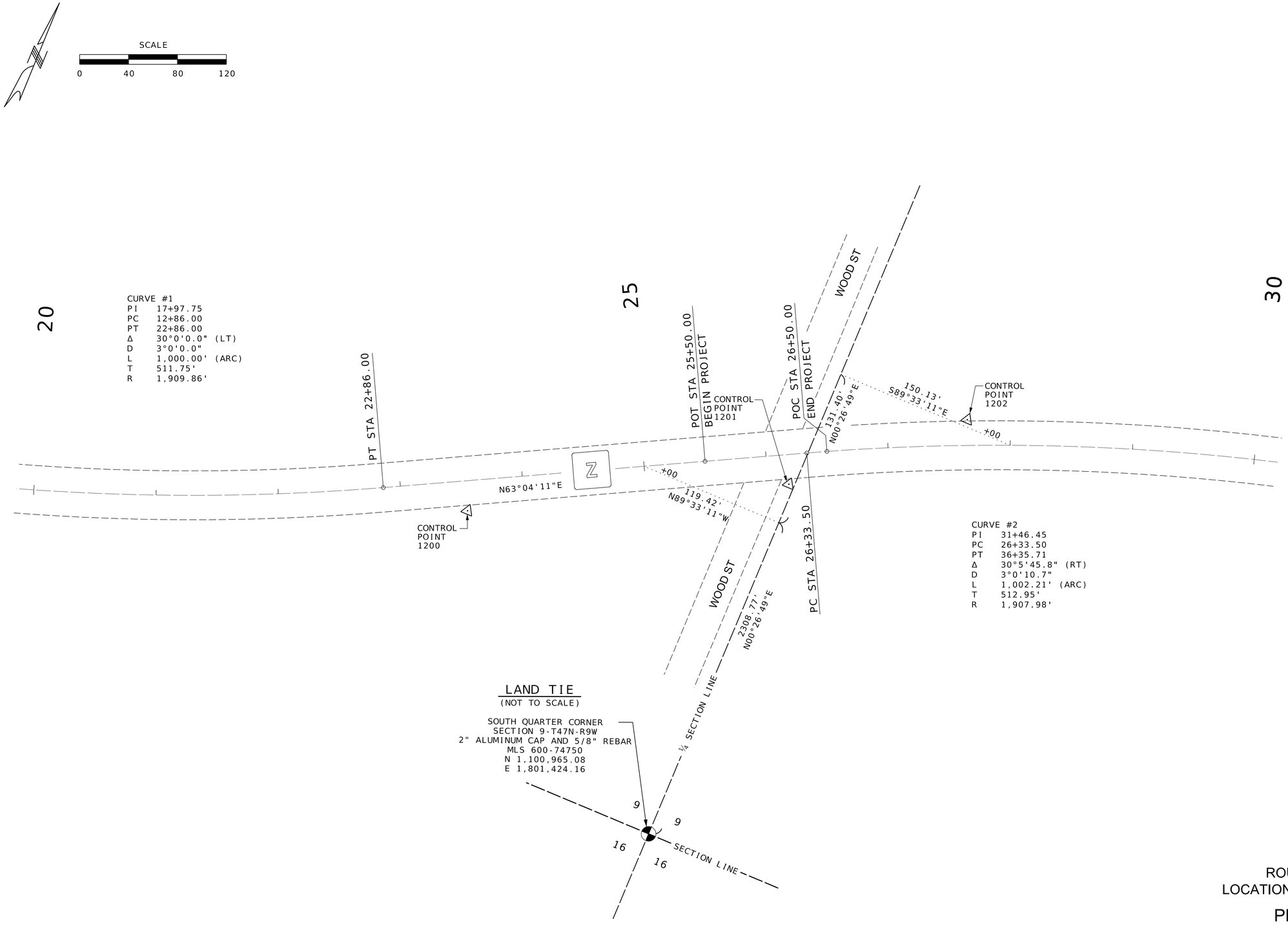
STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ALIGNMENT DIAGRAM

ROUTE Z
LOCATION 1 - FULTON

PLAN
SHEET 1 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	4

COUNTY
VARIES

JOB NO.
JCD0214

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)

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SCALE
0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

DARREN MASEK, ET,AL.
NO TAKINGS

HIGHLAND TERRACE
LOT 7

EXIST CITY R/W

WOOD ST

EXIST CITY R/

EXIST MoDOT

EXIST MoDOT R/W

EXIST SIDEWALK (UIP)

FIELD LOCATE JOINT, TYP. (MATCH EXISTING)

6" TYPE A INTEGRAL BARRIER CURB (HEIGHT TRANSITION, 6" TO 0" AT CURB RAMP)

6' CURB RAMP

(SW)

(T)

EXIST CURB & SIDEWALK (REM)

TYPE B MODIFIED CURB & GUTTER (HEIGHT TRANSITION, 8" TO 0")

6' MIN.

2'

STA. 25+93, LT

24" PREFORMED MIDBLOCK

1-1** 1-2 1-3 1-4** 1-5

1-G1 1-G2 1-G3 1-G4

DND E E

SIGN T RISER WV UTV W G C UT PP CP 201

HIGHWAY Z

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
1-1	26+00.14	33.3' LT	827.98
1-2	26+04.62	31.0' LT	827.90
1-3	25+97.41	27.9' LT	827.53
1-4	26+01.88	25.6' LT	827.45
1-5	25+92.45	18.3' LT	827.72

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
1-G1	26+06.23	30.2' LT	*
1-G2	26+03.47	24.8' LT	*
1-G3	25+98.73	19.0' LT	*
1-G4	25+92.00	15.5' LT	*

ROUTE Z
LOCATION 1 - FULTON

PLAN
SHEET 2 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	5

COUNTY
VARIES

JOB NO.
JCD0214

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

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SCALE

0 5 10 15

GENERAL NOTES:

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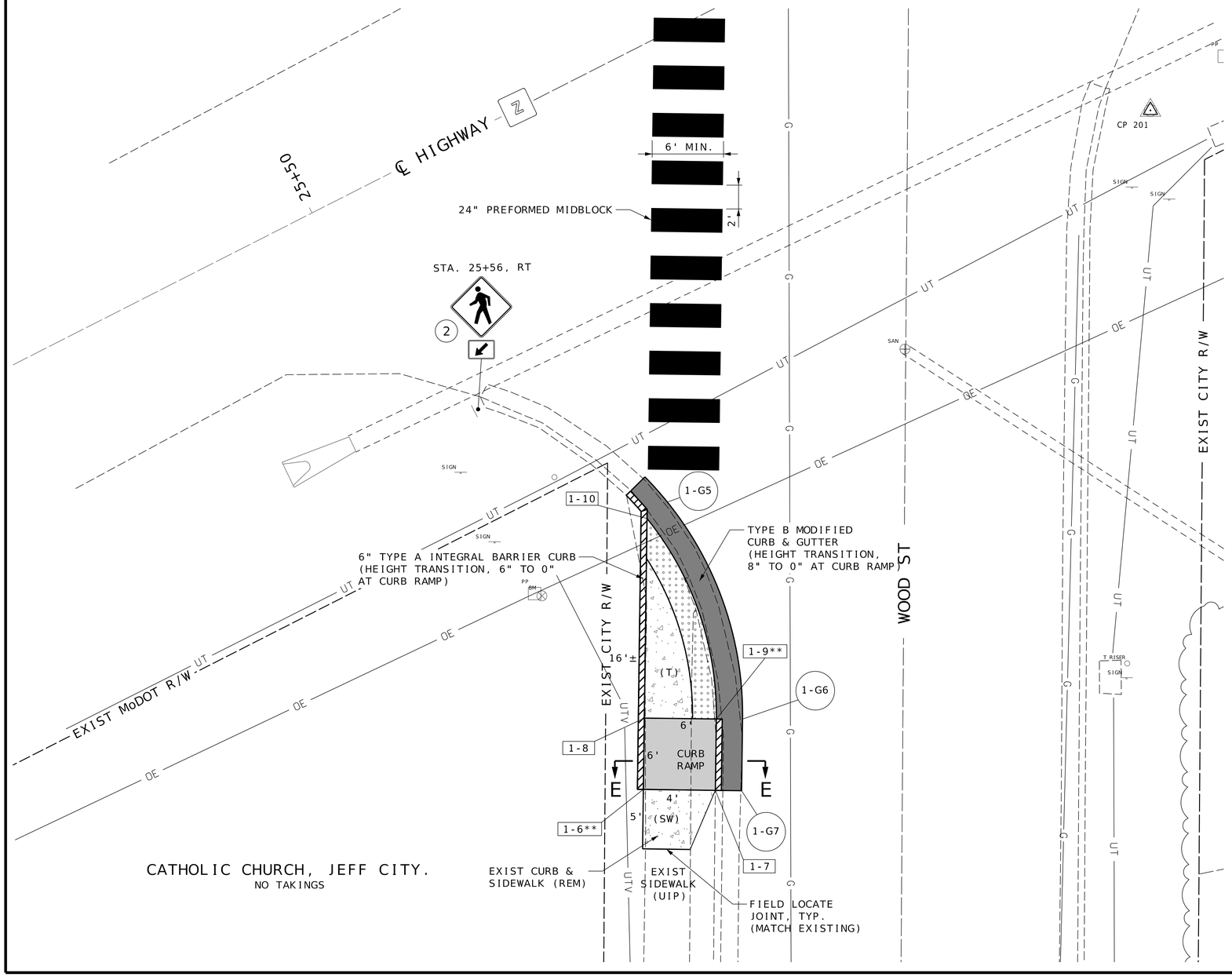
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION	*	MATCH EXISTING
	# POINT LOCATION	**	0" CURB HEIGHT



CATHOLIC CHURCH, JEFF CITY.
NO TAKINGS

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
1-6	25+52.89	55.8' RT	827.82
1-7	25+58.25	58.7' RT	827.73
1-8	25+55.68	50.5' RT	827.39
1-9	25+61.04	53.3' RT	827.30
1-10	25+63.48	35.7' RT	827.60

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
1-G5	25+65.63	35.2' RT	*
1-G6	25+63.00	54.3' RT	*
1-G7	25+60.20	59.7' RT	*

NOTE:
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ROUTE Z
LOCATION 1 - FULTON

PLAN
SHEET 3 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	6

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SCALE
0 100 200 300

LAND TIE
(NOT TO SCALE)

NORTH QUARTER CORNER
SECTION 25-T38N-R17W
2" ALUMINUM CAP AND 5/8" REBAR
MLS 600-111226
N 792,915.38
E 1,569,379.34

615.80'
S89°14'09"E

274.01'
S89°14'09"E

SECTION LINE

1097.74'
S00°45'51"W

740.78'
S00°45'51"W

1222.02'
S89°14'09"E

850.26'
N00°45'51"E

NE¼
SEC 25, T38N, R17W

SE¼
SEC 24, T38N, R17W

SE¼
SEC 24, T38N, R17W

SW¼
SEC 19, T38N, R16W

APPROXIMATE SECTION LINE

MATCHLINE STA. 755+34.40

MATCHLINE STA. 730+38.48

MATCHLINE STA. 755+34.40

POT STA. 548+00.00
BEGIN PROJECT #1

+38.50

+88.50

+89.54

PT STA. 756+89.54

PCC STA. 752+00.00
BEGIN PROJECT #2

POT STA. 545+00.00
END PROJECT #1

PC STA 745+09.54

PT STA 739+10.01

PC STA 730+63.34

S38°16'31"W

S73°40'55"W

BUS. HWY 5

COURT CIRCLE

ILLINOIS ST

GRANT AVE

IOWA ST

1ST ST

2ND ST

4TH ST

5TH ST

RAMP

EVANS RD

JACK CROMWELL RD

ELM TREE LANE

545

540

750

745

740

735

755

CONTROL POINT 2200

CONTROL POINT 2201

CONTROL POINT 2202

CONTROL POINT 2203

CONTROL POINT 2210

CONTROL POINT 2212

CONTROL POINT 2213

CONTROL POINT 2214

CONTROL POINT 2215

CONTROL POINT 2216

CONTROL POINT 2217

CONTROL POINT 2218

CURVE #1
PI 751+19.06
PC 745+09.54
PT 756+89.54
Δ 35°24'0.0" (LT)
D 3°0'0.0"
L 1,180.00' (ARC)
T 609.51'
R 1,909.86'

CURVE #2
PI 734+99.45
PC 730+63.34
PT 739+10.01
Δ 33°52'0.9" (RT)
D 4°0'0.0"
L 846.67' (ARC)
T 436.11'
R 1,432.39'

ALIGNMENT DIAGRAM

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 4 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

007_PP_04_Camdenton_JCD0214_Plan-Alignment.dgn 4:44:27 PM 5/22/2026

SCALE
0 100 200 300

SW¼ SEC 19, T38N, R16W
NW¼ SEC 19, T38N, R16W
NW¼ SEC 19, T38N, R16W
NE¼ SEC 19, T38N, R16W
¼ APPROXIMATE SECTION LINE
¼ APPROXIMATE SECTION LINE

MATCHLINE STA. 730+38.48

730
725
720
715
710
705

SKID ROW BLVD
TURNER PKWY

CONTROL POINT 2219
CONTROL POINT 2220
CONTROL POINT 2221
CONTROL POINT 2222
CONTROL POINT 2223

54

S39°48'54"W
S50°25'54"W

CURVE #3
PI 720+81.12
PC 718+14.94
PT 723+45.77
Δ 10°37'0.0" (LT)
D 2°0'0.0"
L 530.83' (ARC)
T 266.18'
R 2,864.79'

PT STA 723+45.77
PC STA 718+14.94

MATCHLINE STA. 702+75.43

19

MATCHLINE STA. 702+75.43

700
695

CECIL ST

CONTROL POINT 2224
CONTROL POINT 2225
CONTROL POINT 2226

PCT STA. 697+00.00
END PROJECT #2

615.76'
N02°00'05"E
1000.68'
N87°59'55"W
SECTION LINE
+99.12

LAND TIE
(NOT TO SCALE)

NORTHEAST CORNER
SECTION 19-T38N-R16W
3¼" DNR MONUMENT GROUDED IN STONE
MLS 600-47102
N 797,993.87
E 1,577,379.91

ALIGNMENT DIAGRAM

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 5 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 8
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

008_PP_05_Camdenton_JCD0214_Plan-Alignment.dgn 4:44:29 PM 5/22/2026

SCALE

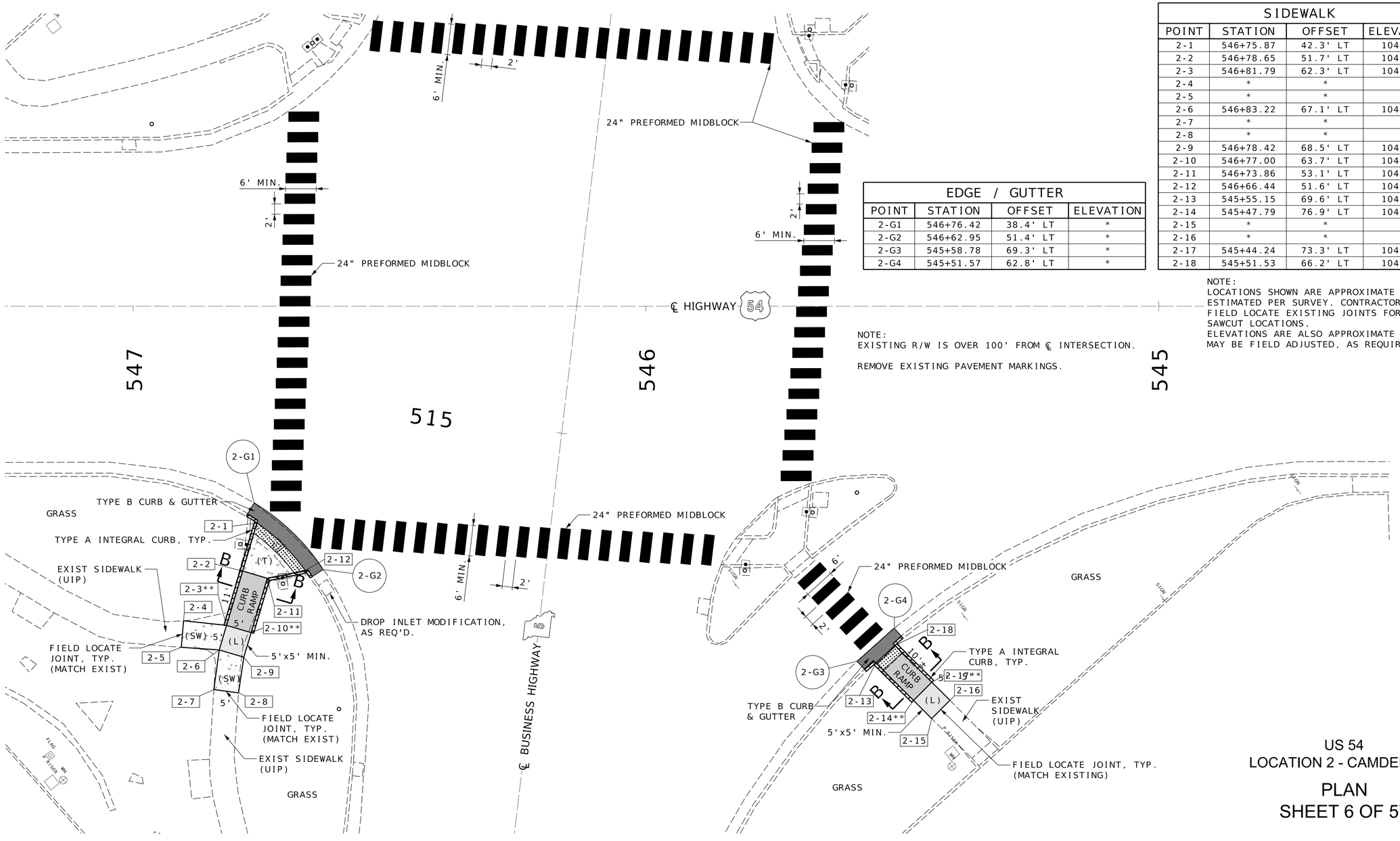
0 10 20 30

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT



NOTE:
EXISTING R/W IS OVER 100' FROM ℄ INTERSECTION.

REMOVE EXISTING PAVEMENT MARKINGS.

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
2-G1	546+76.42	38.4' LT	*
2-G2	546+62.95	51.4' LT	*
2-G3	545+58.78	69.3' LT	*
2-G4	545+51.57	62.8' LT	*

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
2-1	546+75.87	42.3' LT	1043.25
2-2	546+78.65	51.7' LT	1043.54
2-3	546+81.79	62.3' LT	1044.42
2-4	*	*	*
2-5	*	*	*
2-6	546+83.22	67.1' LT	1044.49
2-7	*	*	*
2-8	*	*	*
2-9	546+78.42	68.5' LT	1044.42
2-10	546+77.00	63.7' LT	1044.34
2-11	546+73.86	53.1' LT	1043.44
2-12	546+66.44	51.6' LT	1043.08
2-13	545+55.15	69.6' LT	1042.45
2-14	545+47.79	76.9' LT	1043.07
2-15	*	*	*
2-16	*	*	*
2-17	545+44.24	73.3' LT	1042.99
2-18	545+51.53	66.2' LT	1042.38

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 6 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	9

COUNTY
VARIES

JOB NO.
JCD0214

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

009_PP_06_Camdenton_JCD0214_Plan.dgn 4:44:30 PM 5/22/2026

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. fOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
2-19	750+96.06	37.0' LT	*
2-20	750+96.99	42.0' LT	*
2-21	750+44.20	37.8' LT	*
2-22	750+43.66	42.8' LT	*

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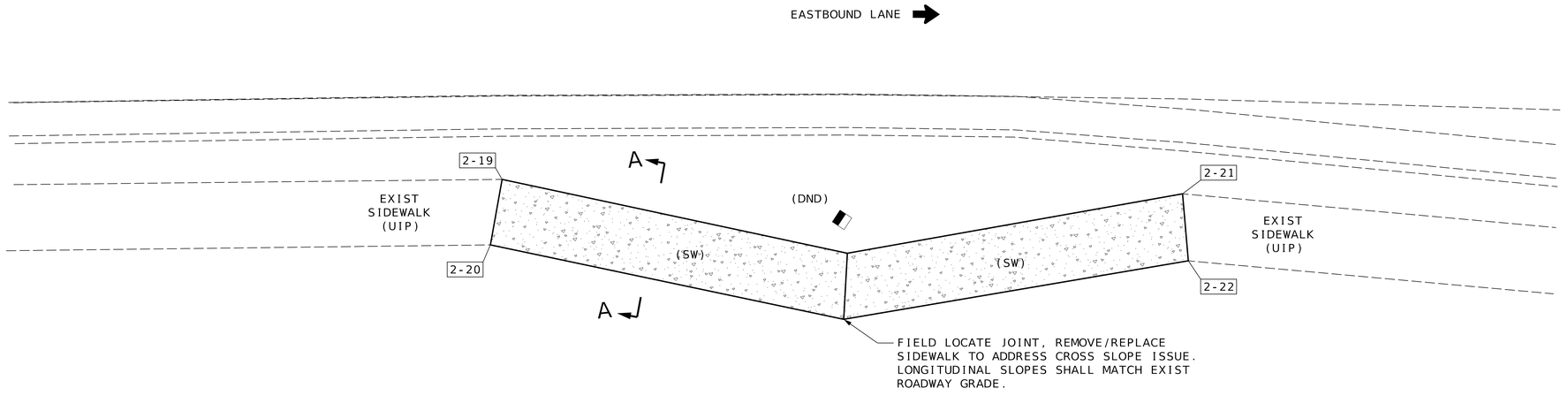
℄ HIGHWAY 54

751

NOTE:

EXISTING R/W IS APPROXIMATELY 110' LEFT OF CENTERLINE.

EASTBOUND LANE



US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 7 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 10 20 30

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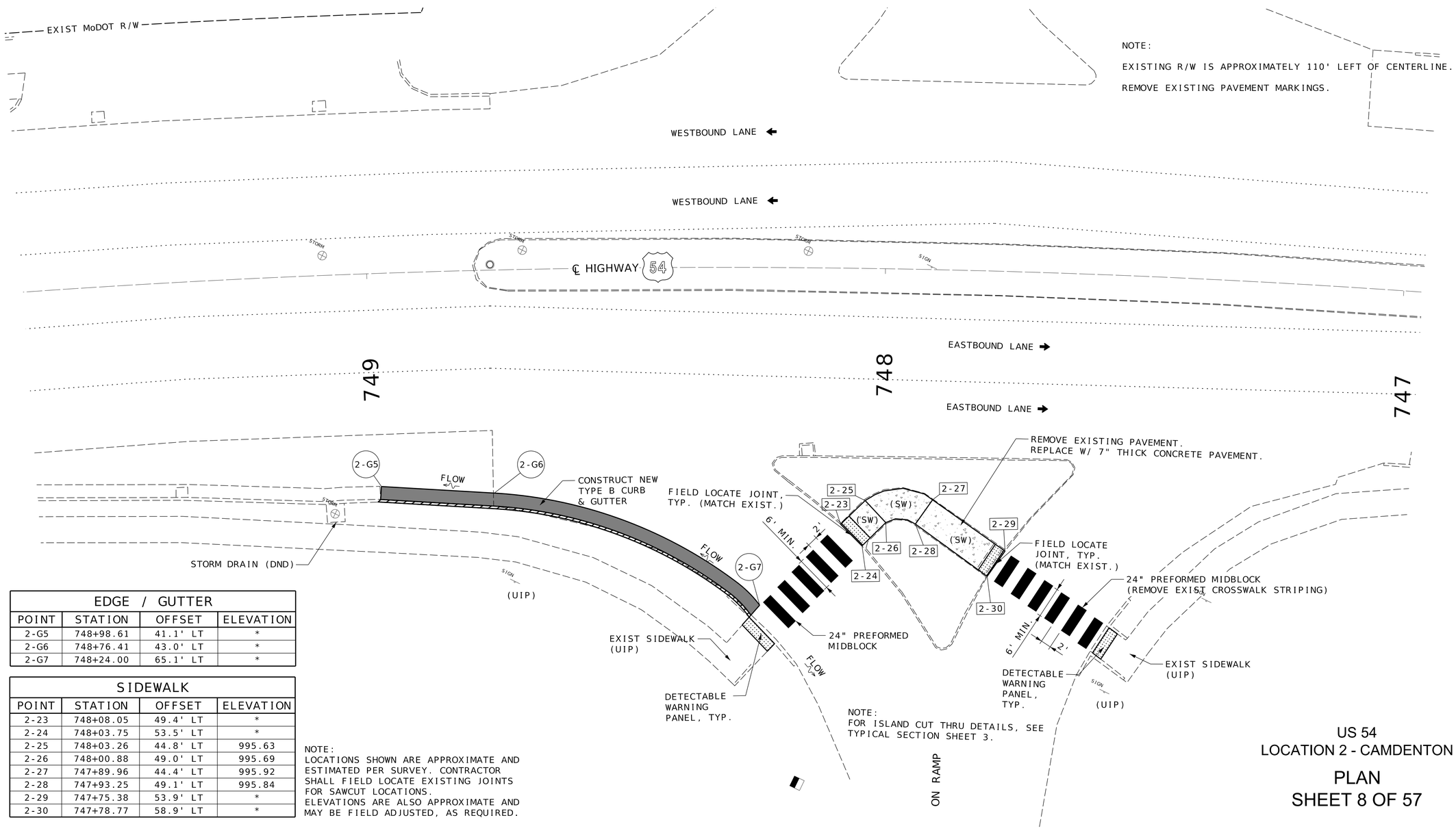
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



NOTE:
EXISTING R/W IS APPROXIMATELY 110' LEFT OF CENTERLINE.

REMOVE EXISTING PAVEMENT MARKINGS.

NOTE:
FOR ISLAND CUT THRU DETAILS, SEE TYPICAL SECTION SHEET 3.

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
2-G5	748+98.61	41.1' LT	*
2-G6	748+76.41	43.0' LT	*
2-G7	748+24.00	65.1' LT	*

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
2-23	748+08.05	49.4' LT	*
2-24	748+03.75	53.5' LT	*
2-25	748+03.26	44.8' LT	995.63
2-26	748+00.88	49.0' LT	995.69
2-27	747+89.96	44.4' LT	995.92
2-28	747+93.25	49.1' LT	995.84
2-29	747+75.38	53.9' LT	*
2-30	747+78.77	58.9' LT	*

NOTE:
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US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 8 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	11

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 10 20 30

GENERAL NOTES:

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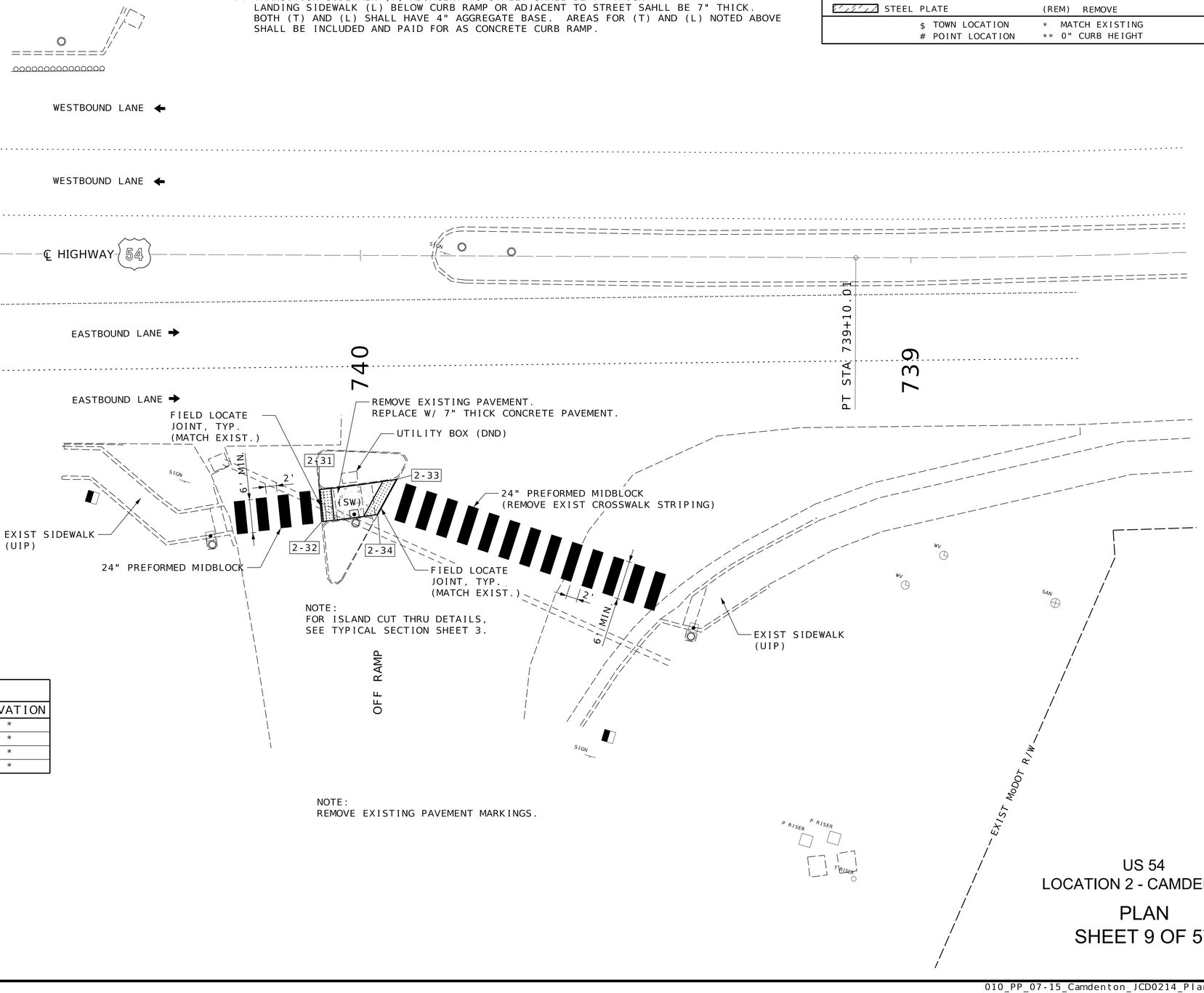
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	[$-#]	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION	* MATCH EXISTING ** 0" CURB HEIGHT	



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
2-31	740+07.30	42.5' LT	*
2-32	740+06.80	48.4' LT	*
2-33	739+93.18	40.6' LT	*
2-34	739+96.62	47.0' LT	*

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NOTE:
REMOVE EXISTING PAVEMENT MARKINGS.

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 9 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	12

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
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816-781-6182 816-781-0643 (FAX)
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SCALE

0 5 10 15

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
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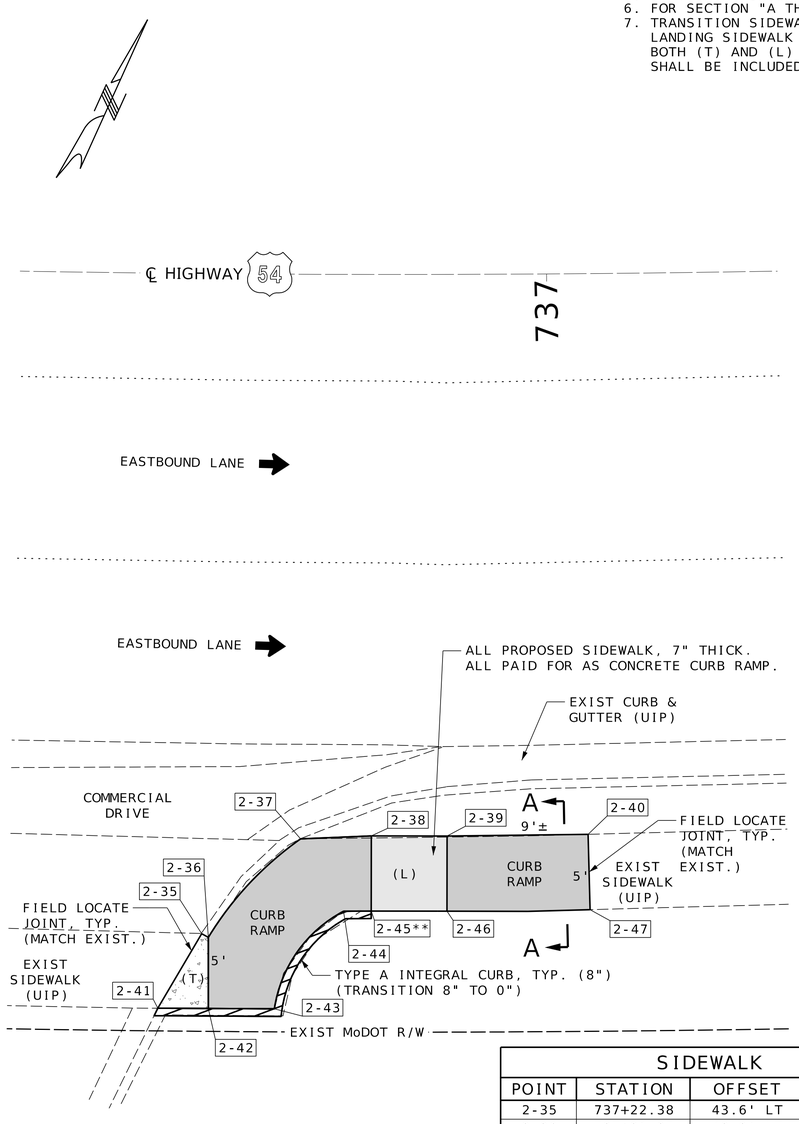
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT



NOTE:
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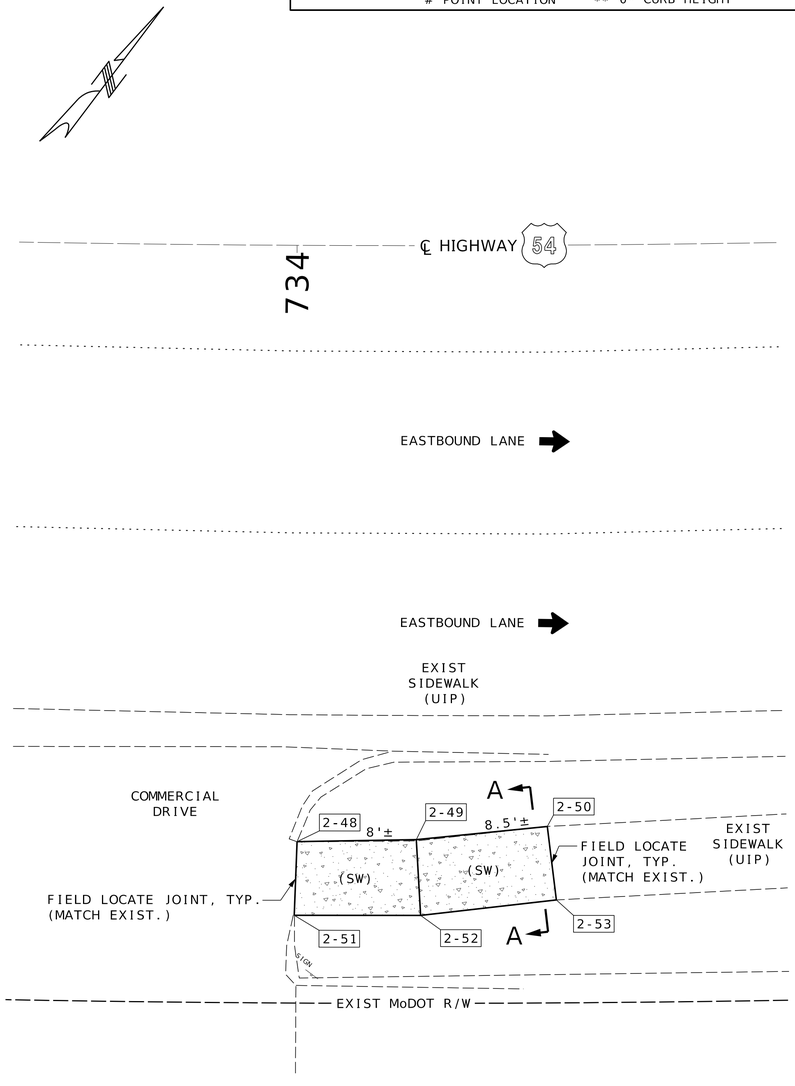
SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
2-35	737+22.38	43.6' LT	*
2-36	737+21.95	43.8' LT	993.19
2-37	737+16.07	37.3' LT	992.40
2-38	737+11.52	37.1' LT	992.06
2-39	737+06.65	37.1' LT	991.96
2-40	*	*	*
2-41	737+25.14	48.5' LT	*
2-42	737+21.92	48.5' LT	993.29
2-43	737+17.70	48.5' LT	992.94
2-44	737+13.30	42.0' LT	992.26
2-45	737+11.53	42.0' LT	992.16
2-46	737+06.67	42.0' LT	992.06
2-47	*	*	*



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
2-48	733+99.80	39.3' LT	*
2-49	733+92.13	39.2' LT	982.32
2-50	733+83.72	38.4' LT	*
2-51	733+99.96	44.2' LT	*
2-52	733+91.86	44.2' LT	982.37
2-53	733+83.16	43.2' LT	*

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 10 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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Certificate of Authority No. 2002006347

SCALE

0 10 20 30

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. fOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION	* MATCH EXISTING ** 0" CURB HEIGHT	

EXIST MoDOT R/W

PP

EXIST MoDOT R/W

EXIST SIDEWALK (UIP)

6' MIN.

2'

JACK CROWELL RD

WESTBOUND LANE

WESTBOUND LANE

24" PREFORMED MIDBLOCK
(REMOVE EXIST CROSSWALK STRIPING)

NOTE:
REMOVE EXISTING PAVEMENT MARKINGS.

℄ HIGHWAY 54

EASTBOUND LANE

EASTBOUND LANE

LAKER PRIDE RD

732

731

PC STA 730+63.34

24" PREFORMED MIDBLOCK

6' MIN.

2'

EXIST SIDEWALK
(UIP)

EXIST MoDOT R/W

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 11 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 10 20 30

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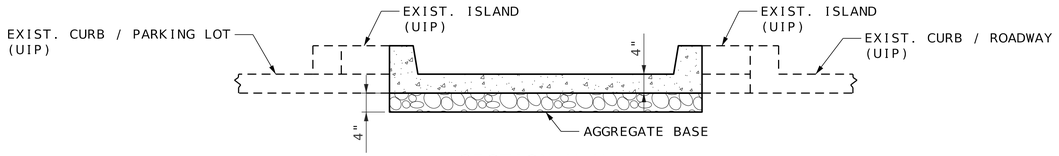
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION	*	MATCH EXISTING
	# POINT LOCATION	**	0" CURB HEIGHT

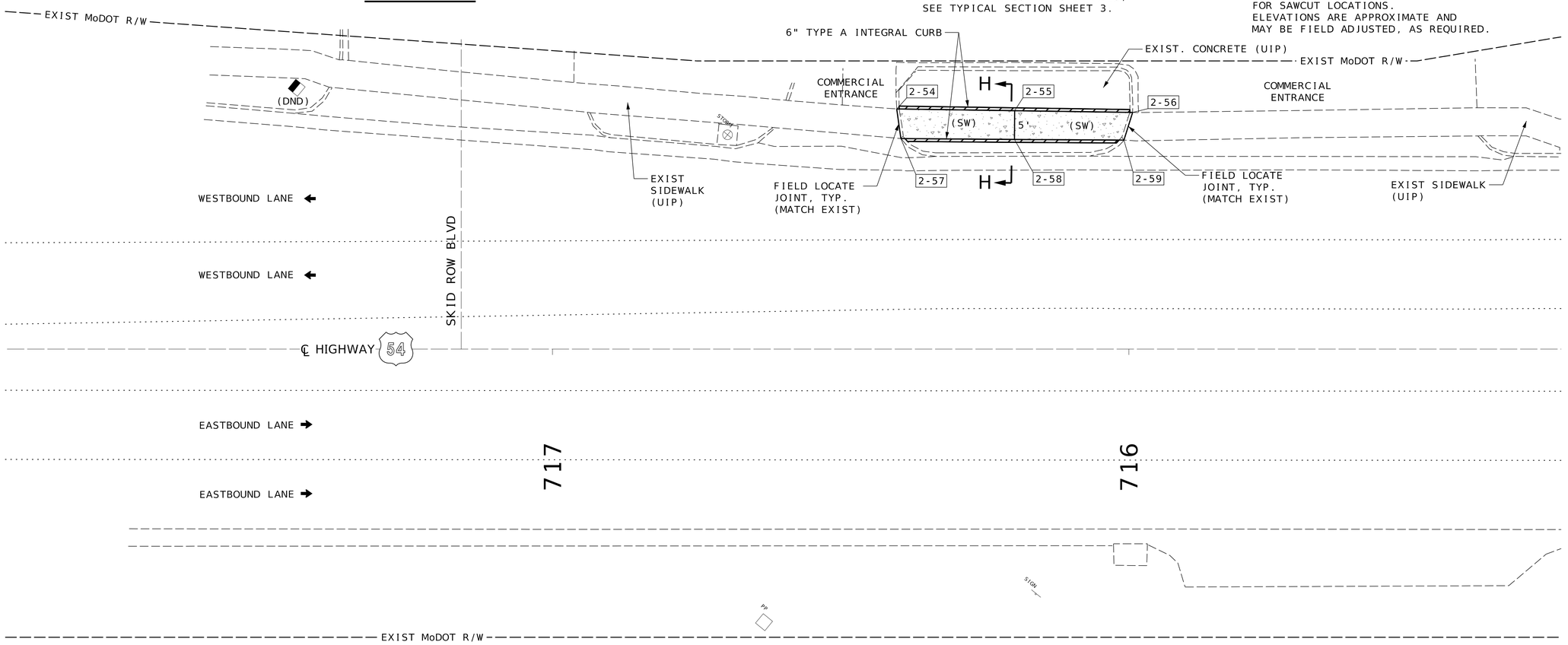


SECTION H-H

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
2-54	716+40.27	41.7' RT	*
2-55	716+19.81	41.4' RT	953.67
2-56	715+99.35	41.1' RT	*
2-57	716+39.55	36.5' RT	*
2-58	716+19.85	36.4' RT	953.60
2-59	716+00.86	36.3' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

NOTE:
FOR SIDEWALK CUT THRU DETAILS, SEE TYPICAL SECTION SHEET 3.



US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 12 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	15

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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SCALE

0 5 10 15

GENERAL NOTES:

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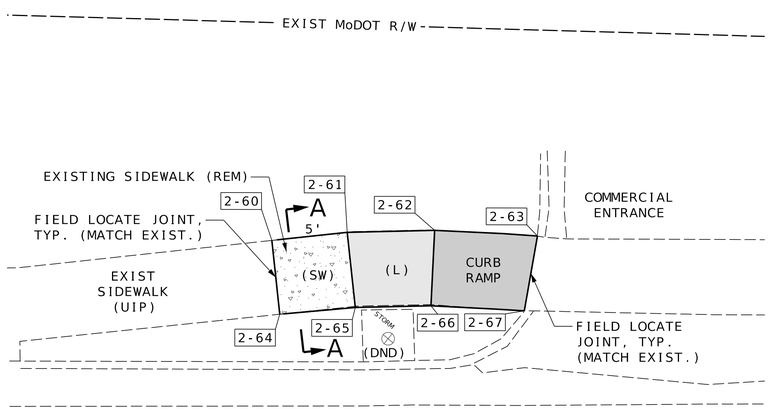
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



SIDEWALK

POINT	STATION	OFFSET	ELEVATION
2-60	*	*	*
2-61	713+52.56	42.4' RT	952.14
2-62	713+46.79	42.6' RT	952.22
2-63	713+40.00	42.2' RT	*
2-64	*	*	*
2-65	713+52.03	37.5' RT	952.22
2-66	713+47.03	37.6' RT	952.30
2-67	713+40.87	37.2' RT	*

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US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 13 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	16

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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

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816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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SCALE

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	S-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
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(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
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$ TOWN LOCATION
# POINT LOCATION
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** 0" CURB HEIGHT

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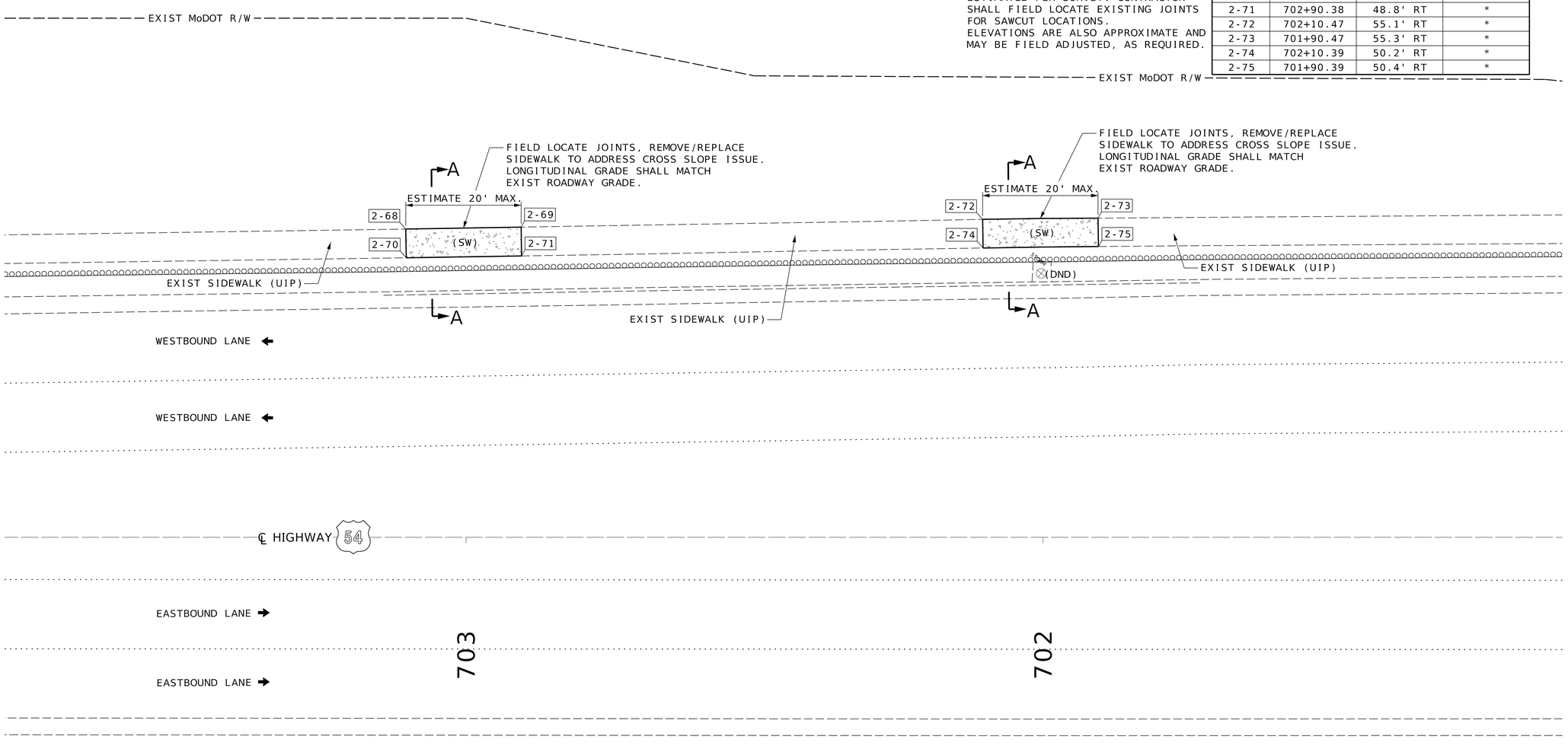
SIDEWALK

POINT	STATION	OFFSET	ELEVATION
2-68	703+10.45	53.4' RT	*
2-69	702+90.45	53.8' RT	*
2-70	703+10.37	48.5' RT	*
2-71	702+90.38	48.8' RT	*
2-72	702+10.47	55.1' RT	*
2-73	701+90.47	55.3' RT	*
2-74	702+10.39	50.2' RT	*
2-75	701+90.39	50.4' RT	*



US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 14 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	17

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	S-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
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$ TOWN LOCATION
# POINT LOCATION
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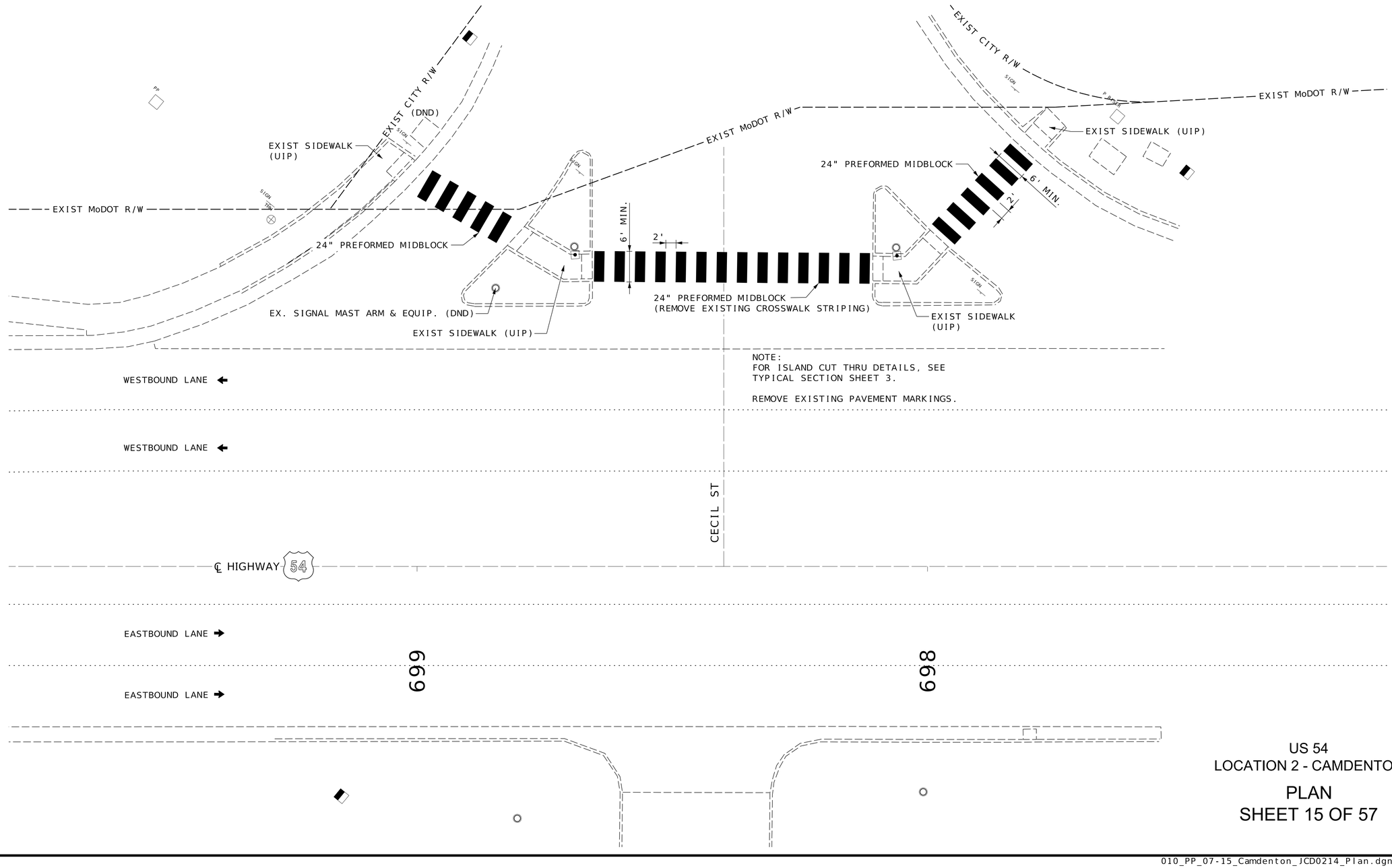

US 54
LOCATION 2 - CAMDENTON

PLAN
SHEET 15 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	18

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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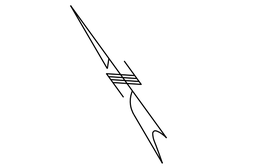
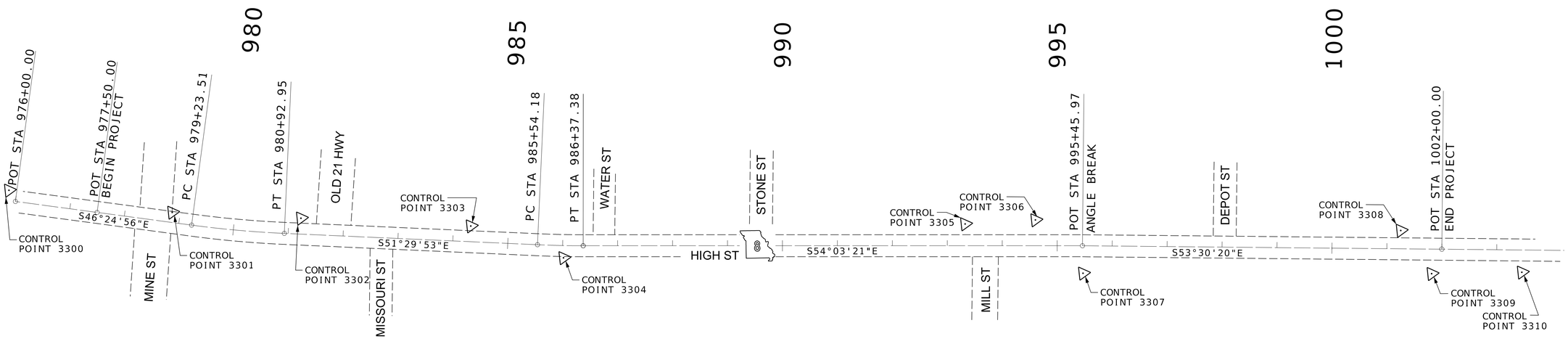
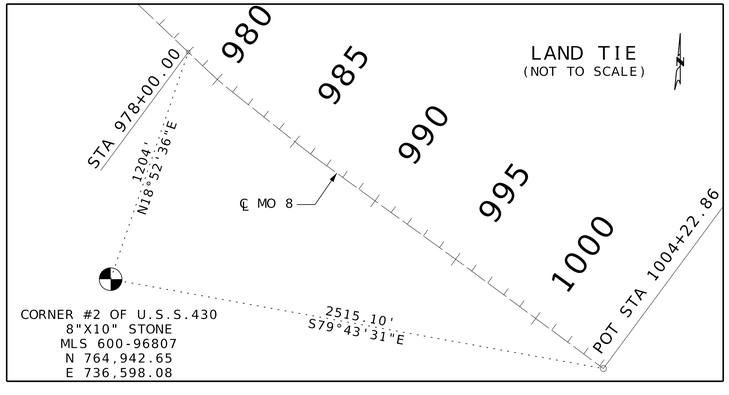


PI 980+08.29
PC 979+23.51
PT 980+92.95
Δ 5°4'57.4" (LT)
D 2°59'58.8"
L 169.44' (ARC)
T 84.78'
R 1,910.08'

PI 985+95.79
PC 985+54.18
PT 986+37.38
Δ 2°29'44.4" (LT)
D 2°59'58.8"
L 83.20' (ARC)
T 41.61'
R 1,910.08'



SURVEY NOTE:
A PORTION OF THIS PROJECT IS WITHIN SECTION 11-T37N-R02E BUT NO MONUMENTS WERE FOUND TO ESTABLISH THE SECTION. A PORTION OF THIS PROJECT IS WITHIN UNITED STATES SURVEY 1848 BUT NO MONUMENTS WERE FOUND TO ESTABLISH THE SURVEY. A PORTION OF THE PROJECT IS WITHIN UNITED STATES SURVEY 430, LOCATED CORNER NO. 2 MLS 600-96807. THE BASELINE IS TIED TO CORNER NO. 2.



ALIGNMENT DIAGRAM

MO 8
LOCATION 3 - POTOSI

PLAN
SHEET 16 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	19

COUNTY
VARIES

JOB NO.
JCD0214

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)

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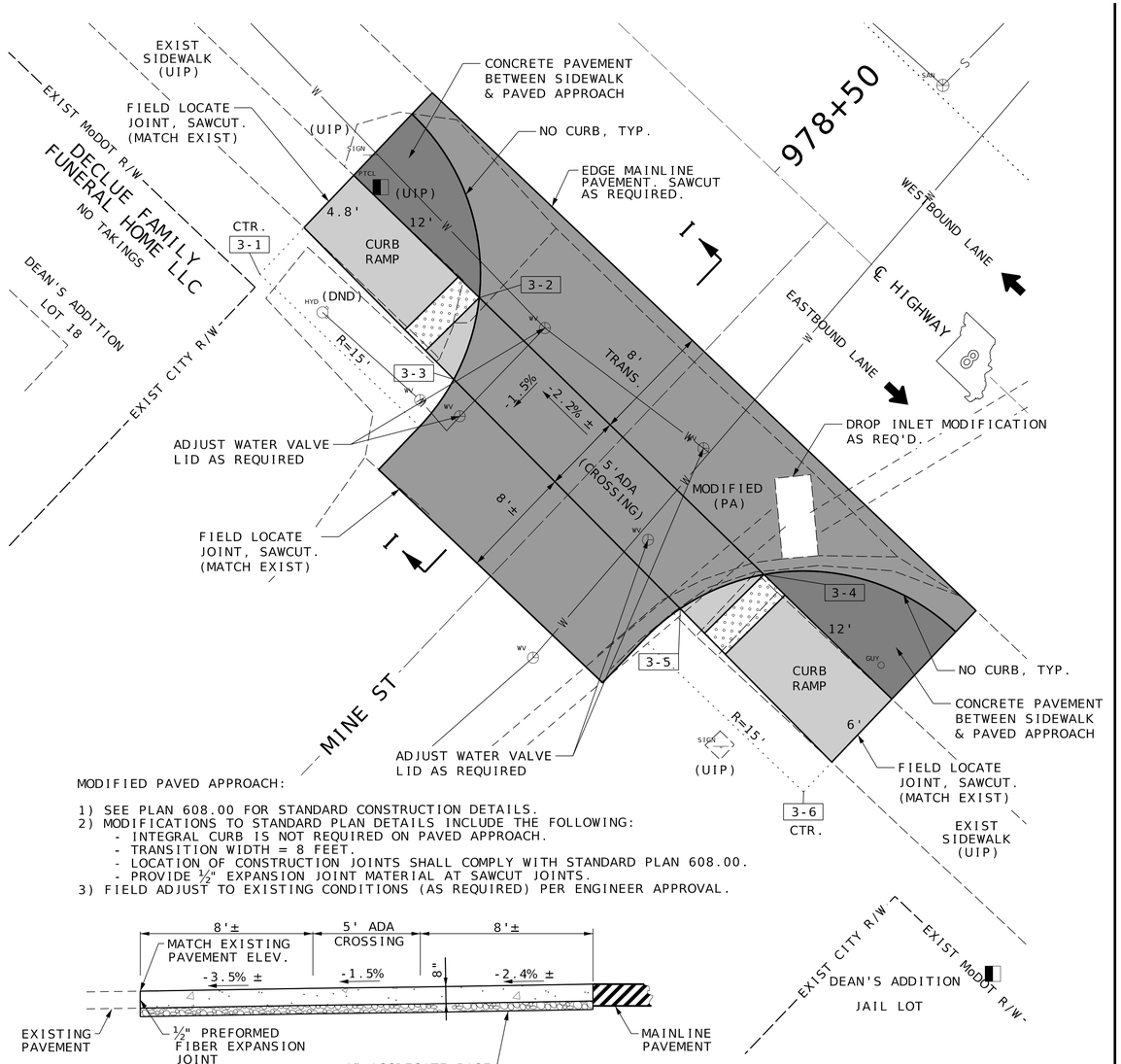
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$ TOWN LOCATION # POINT LOCATION		* MATCH EXISTING ** 0" CURB HEIGHT	

SCALE
0 5 10 15



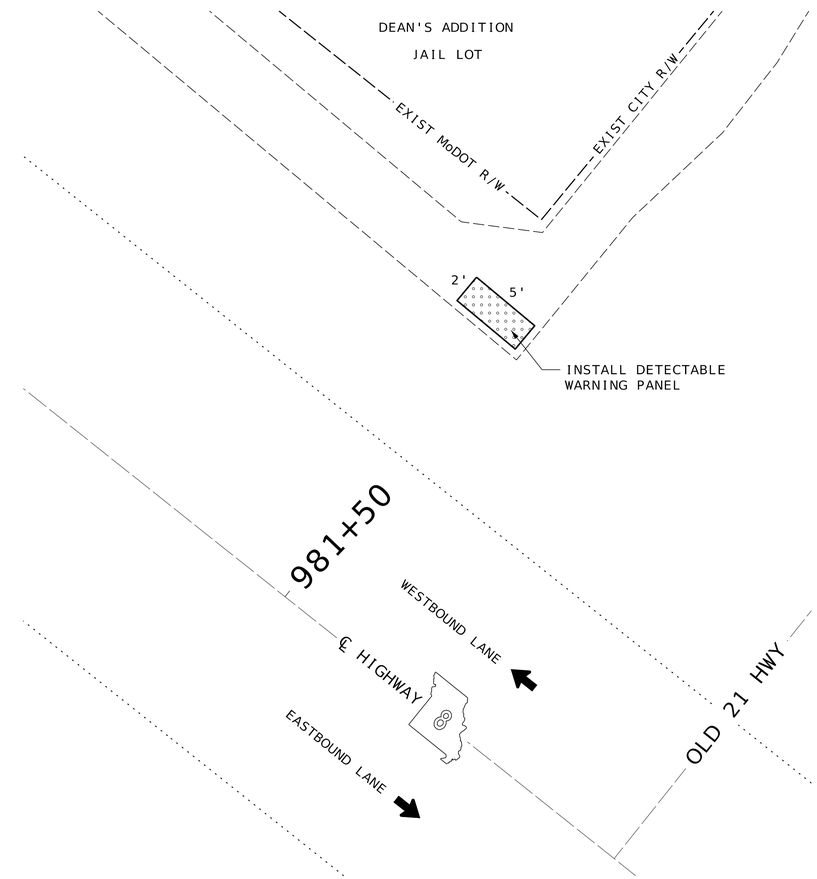
MODIFIED PAVED APPROACH:

1) SEE PLAN 608.00 FOR STANDARD CONSTRUCTION DETAILS.
2) MODIFICATIONS TO STANDARD PLAN DETAILS INCLUDE THE FOLLOWING:
   - INTEGRAL CURB IS NOT REQUIRED ON PAVED APPROACH.
   - TRANSITION WIDTH = 8 FEET.
   - LOCATION OF CONSTRUCTION JOINTS SHALL COMPLY WITH STANDARD PLAN 608.00.
   - PROVIDE ½" EXPANSION JOINT MATERIAL AT SAWCUT JOINTS.
3) FIELD ADJUST TO EXISTING CONDITIONS (AS REQUIRED) PER ENGINEER APPROVAL.

SECTION I-I

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
3-1	978+29.42	29.1' RT	*
3-2	978+41.33	20.0' RT	890.75
3-3	978+43.90	25.2' RT	890.67
3-4	978+68.30	20.3' RT	891.32
3-5	978+65.78	25.9' RT	891.20
3-6	978+80.42	29.1' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSED, AS REQUIRED.



MO 8
LOCATION 3 - POTOSI

PLAN
SHEET 17 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	20

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

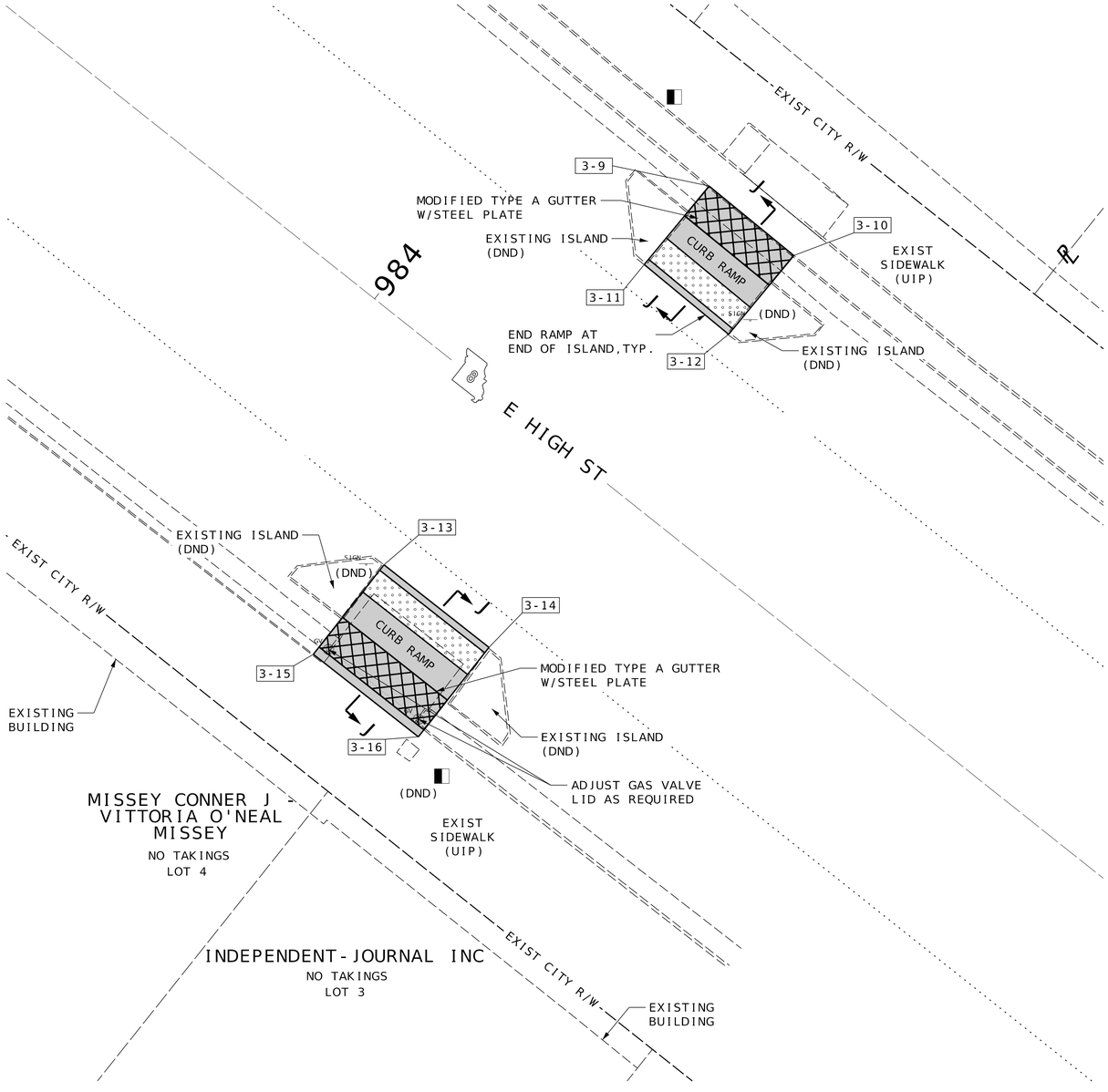
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

SCALE
0 5 10 15



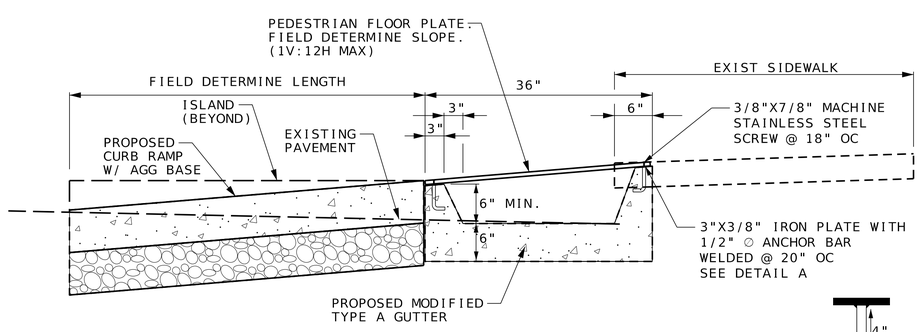
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
3-9	984+13.87	21.5' LT	*
3-10	984+21.79	21.3' LT	*
3-11	984+13.73	14.1' LT	*
3-12	984+21.65	13.9' LT	*
3-13	984+12.52	14.6' RT	*
3-14	984+22.19	14.6' RT	*
3-15	984+12.55	22.9' RT	*
3-16	984+22.22	22.8' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.



TYPICAL SECTION
J MODIFIED TYPE A GUTTER W/STEEL PLATE

MO 8
LOCATION 3 - POTOSI

PLAN
SHEET 18 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	21

COUNTY
VARIES

JOB NO.
JCD0214

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

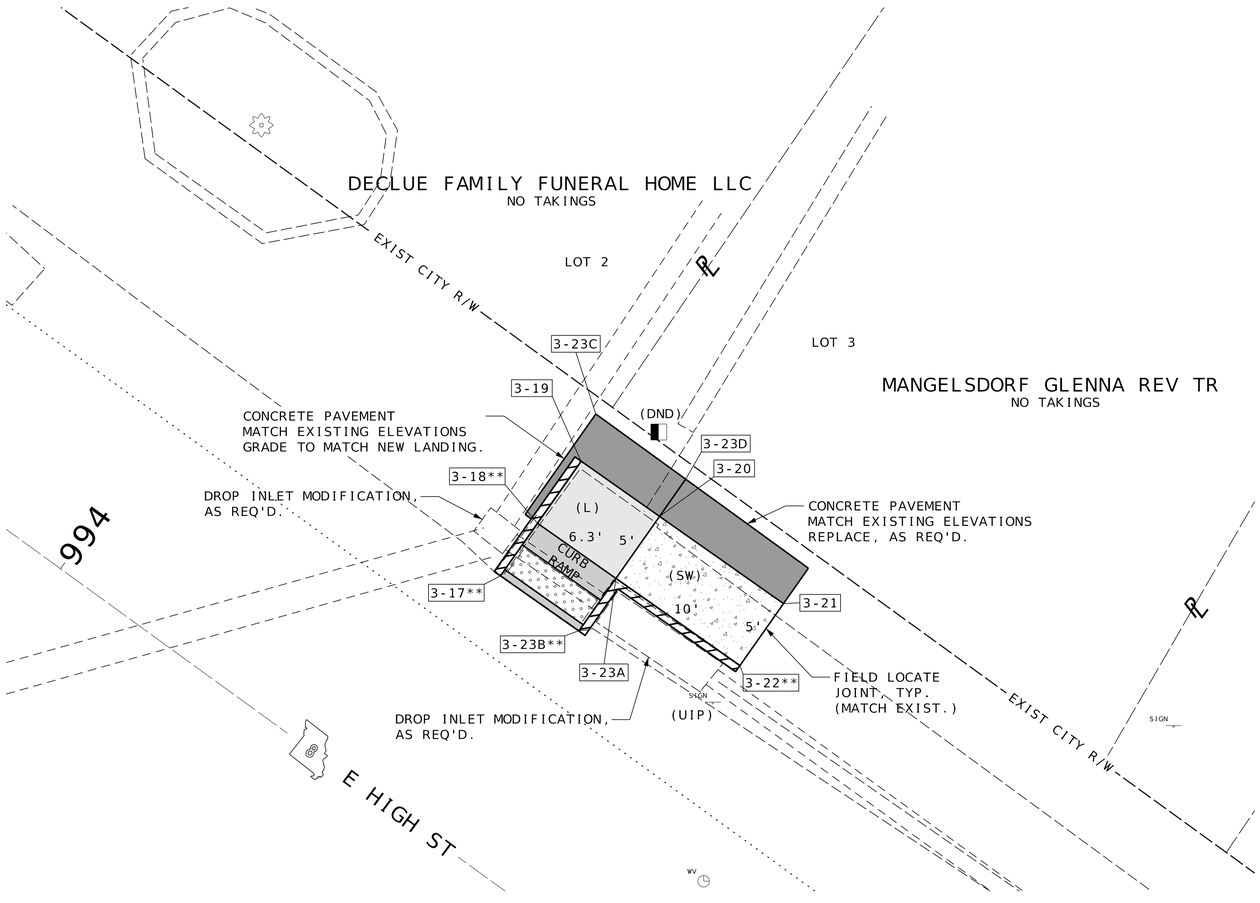
021_PP_18_Potosi_JCD0214_Plan.dgn 4:44:42 PM 5/22/2026

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.



LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
3-17	994+23.78	16.7' LT	*
3-18	994+23.72	20.9' LT	899.15
3-19	994+23.65	25.9' LT	899.22
3-20	994+29.98	26.0' LT	899.32
3-21	994+39.98	26.1' LT	*
3-22	994+40.05	21.1' LT	*
3-23A	994+30.05	21.0' LT	899.24
3-23B	994+30.11	16.8' LT	*
3-23C	994+22.61	29.0' LT	*
3-23D	994+29.93	29.0' LT	*

NOTE:
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ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FEILD ADJUSTED, AS REQUIRED.

MO 8
LOCATION 3 - POTOSI

PLAN
SHEET 19 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	22

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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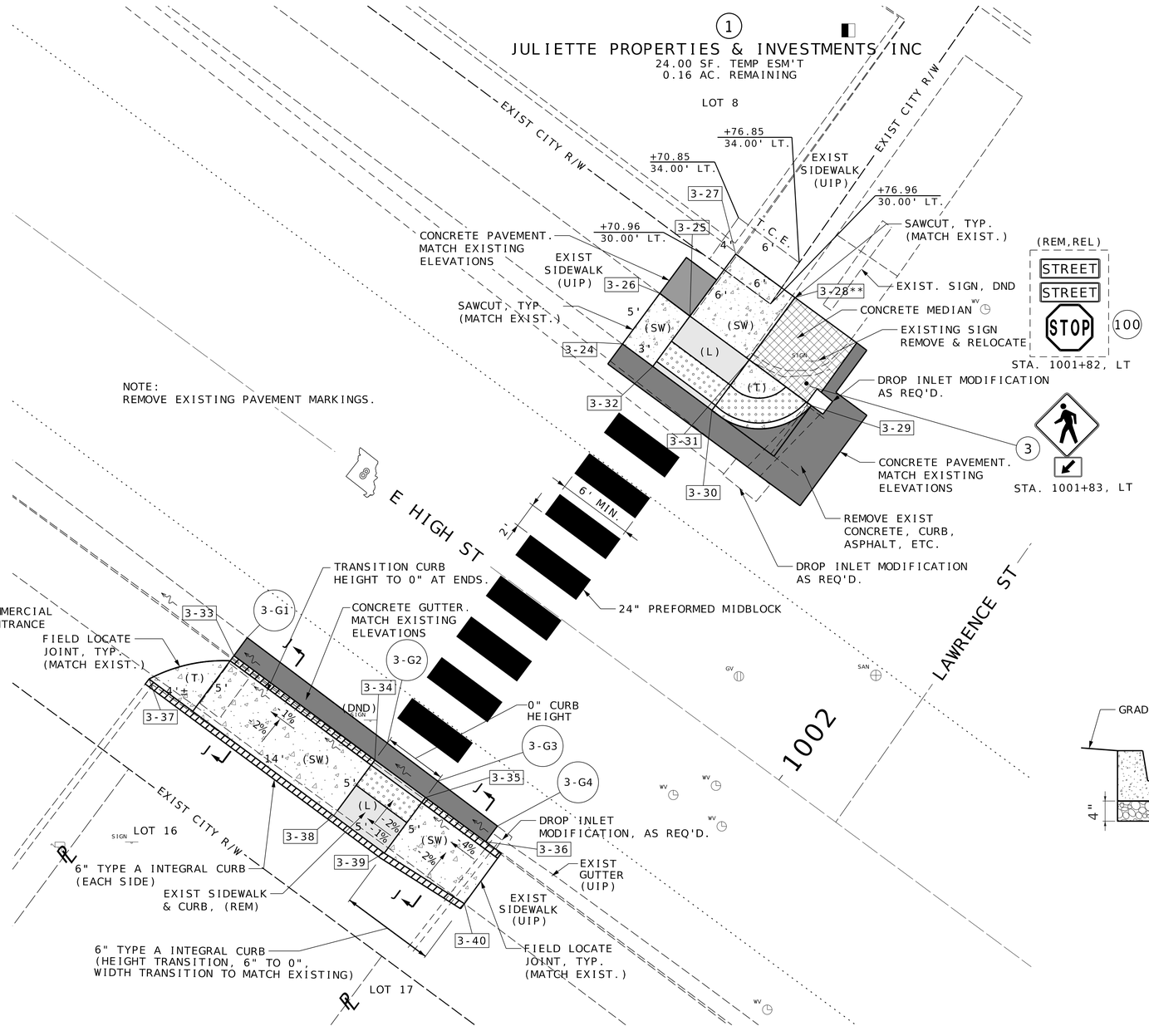
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
3-24	1001+69.41	20.5' LT	*
3-25	1001+72.40	25.4' LT	910.07
3-26	1001+69.40	25.4' RT	*
3-27	1001+72.39	31.5' LT	*
3-28	1001+78.24	31.6' LT	*
3-29	1001+84.38	25.4' LT	910.10
3-30	1001+78.26	20.4' LT	910.07
3-31	1001+78.25	25.4' LT	910.15
3-32	1001+72.41	20.5' LT	910.00
3-33	1001+59.32	18.0' RT	908.43
3-34	1001+73.25	17.8' RT	908.52
3-35	1001+78.25	17.8' RT	908.57
3-36	1001+85.75	17.8' RT	*
3-37	1001+55.00	23.3' RT	*
3-38	1001+73.25	23.3' RT	908.62
3-39	1001+78.25	23.3' RT	908.67
3-40	1001+85.75	22.8' RT	*
3-41			
3-42			

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
3-G1	1001+59.32	16.0' RT	*
3-G2	1001+73.25	16.1' RT	*
3-G3	1001+78.25	16.2' RT	*
3-G4	1001+84.20	16.2' RT	*

NOTE:
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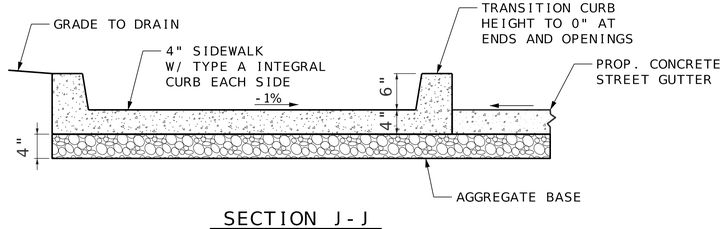


SECTION J-J

MO 8
LOCATION 3 - POTOSI

PLAN
SHEET 20 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	23

COUNTY VARIES

JOB NO. JCD0214

CONTRACT ID.

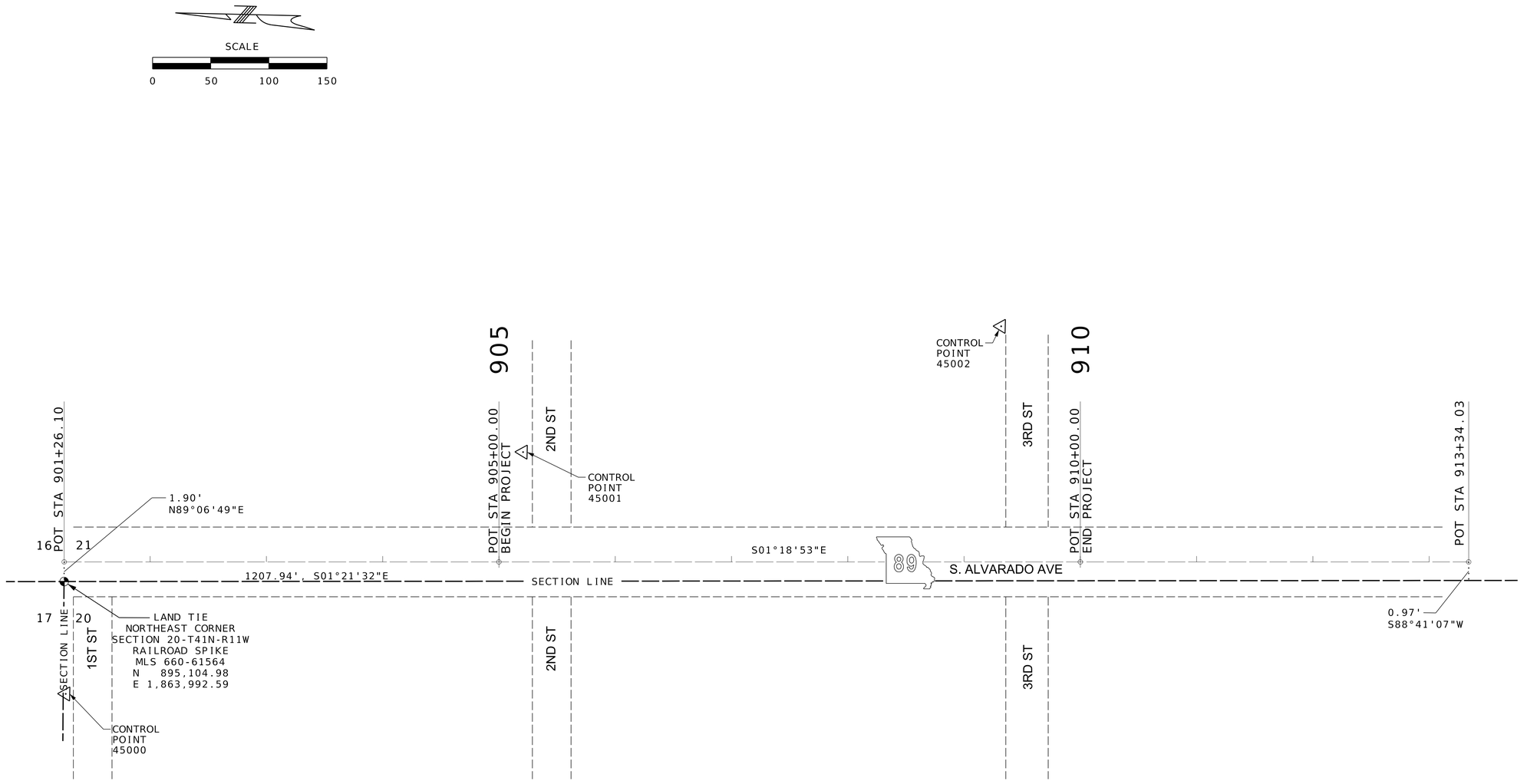
PROJECT NO.

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



ALIGNMENT DIAGRAM

MO 89
LOCATION 4 - BELLE

PLAN
SHEET 21 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	24

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

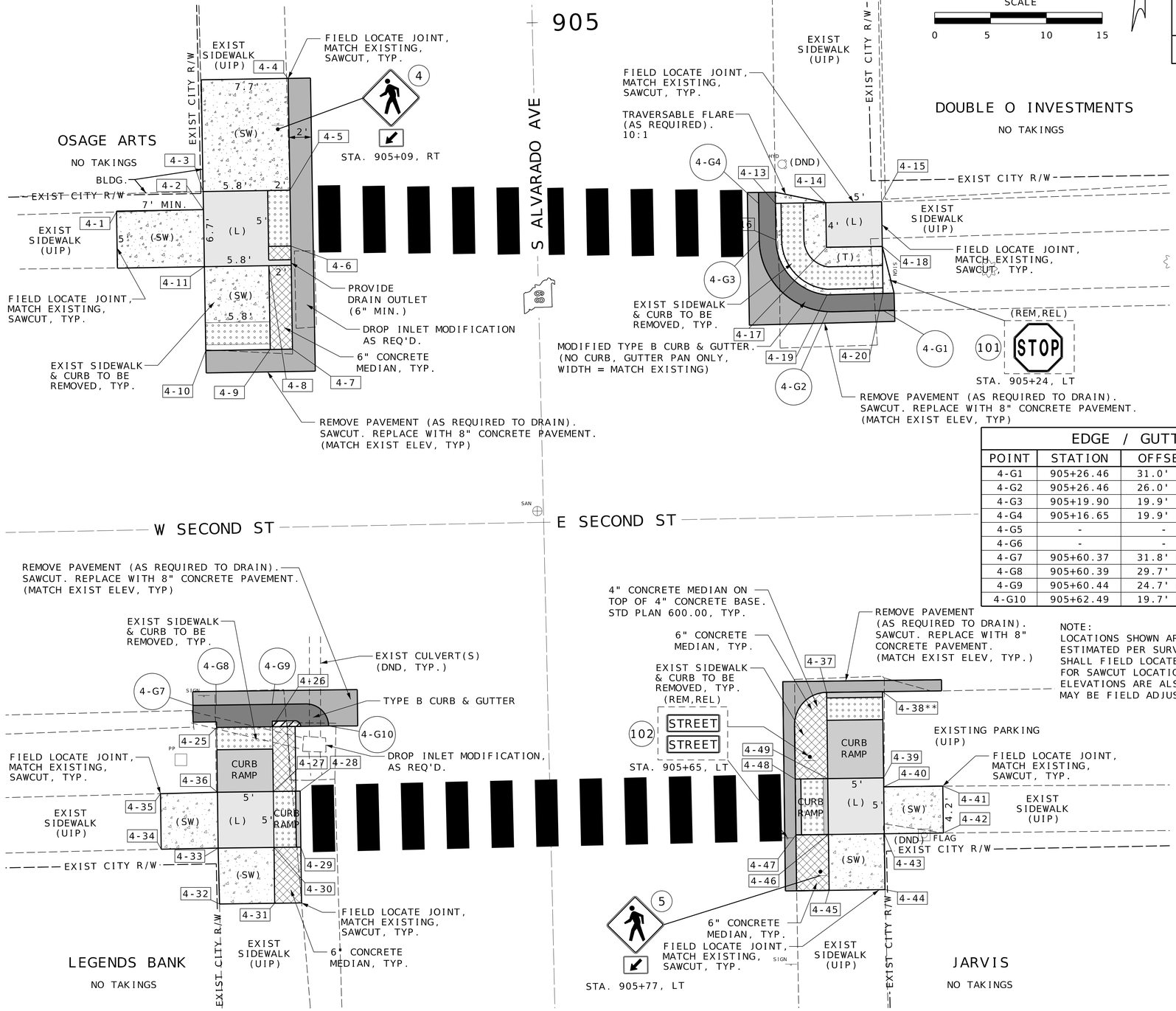
DESCRIPTION	DATE

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

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

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). 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% MIN.(-2% MAX.).
3. ALL CURBS, HEADWALLS, RAMPS, LANDINGS, SIDEWALKS, ETC., 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 OF IMPROVEMENT QUANTITIES FOR LOCATIONS.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU G" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.



LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SCALE 0 5 10 15

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
4-1	*	*	*
4-2	905+16.10	29.8' RT	1039.31
4-3	905+14.42	29.8' RT	1039.33
4-4	*	*	*
4-5	905+14.47	22.0' RT	1039.25
4-6	905+19.47	22.1' RT	1039.20
4-7	905+28.71	22.1' RT	1039.3±
4-8	905+21.19	24.1' RT	1039.21
4-9	905+28.69	24.9' RT	1039.3±
4-10	905+28.65	29.9' RT	1039.3±
4-11	905+21.15	29.8' RT	1039.26
4-12	-	-	-
4-13	905+10.97	25.9' LT	*
4-14	905+11.01	30.9' LT	*
4-15	905+16.69	25.9' LT	1039.44
4-16	905+16.73	30.9' LT	1039.49
4-17	905+16.80	40.4' LT	*
4-18	905+19.94	40.4' LT	*
4-19	905+21.51	30.9' LT	1039.42
4-20	905+24.93	30.8' LT	1039.13
4-21	905+24.95	25.8' LT	1039.23
4-22	905+21.47	25.9' LT	1039.37
4-23	905+21.44	21.6' LT	1039.31
4-24	905+16.65	21.4' LT	1039.39
4-25	905+62.39	29.7' RT	1039.19
4-26	905+62.44	24.7' RT	1039.21
4-27	905+68.24	24.7' RT	1039.08
4-28	905+68.25	22.3' RT	1038.88
4-29	905+73.27	22.4' RT	1038.83
4-30	905+73.24	24.8' RT	1039.03
4-31	905+78.24	24.9' RT	*
4-32	905+78.19	29.8' RT	*
4-33	905+73.19	29.8' RT	1039.09
4-34	905+73.17	34.9' RT	*
4-35	905+68.20	34.8' RT	*
4-36	905+68.19	29.7' RT	1039.13
4-37	905+60.51	25.0' LT	1039.30
4-38	905+60.56	30.0' LT	1039.18
4-39	905+68.28	29.9' LT	1039.07
4-40	905+69.08	29.9' LT	1039.09
4-41	905+69.13	35.2' LT	*
4-42	905+73.33	35.1' LT	*
4-43	905+73.28	29.8' LT	1039.13
4-44	905+78.28	29.8' LT	*
4-45	905+78.22	24.8' LT	*
4-46	905+73.23	24.8' LT	1039.20
4-47	905+73.20	21.9' LT	1039.25
4-48	905+68.20	22.0' LT	1039.18
4-49	905+68.23	24.9' LT	1039.14

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
4-G1	905+26.46	31.0' LT	1039.1±
4-G2	905+26.46	26.0' LT	1039.2±
4-G3	905+19.90	19.9' LT	1039.3±
4-G4	905+16.65	19.9' LT	1039.4±
4-G5	-	-	-
4-G6	-	-	-
4-G7	905+60.37	31.8' RT	*
4-G8	905+60.39	29.7' RT	1039.17
4-G9	905+60.44	24.7' RT	1039.19
4-G10	905+62.49	19.7' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

MO 89
LOCATION 4 - BELLE

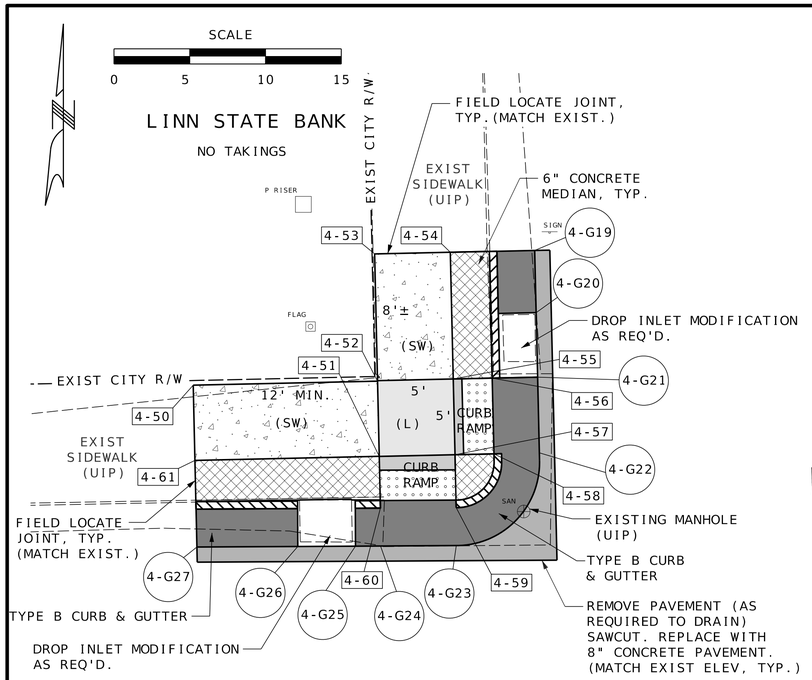
PLAN
SHEET 22 OF 57

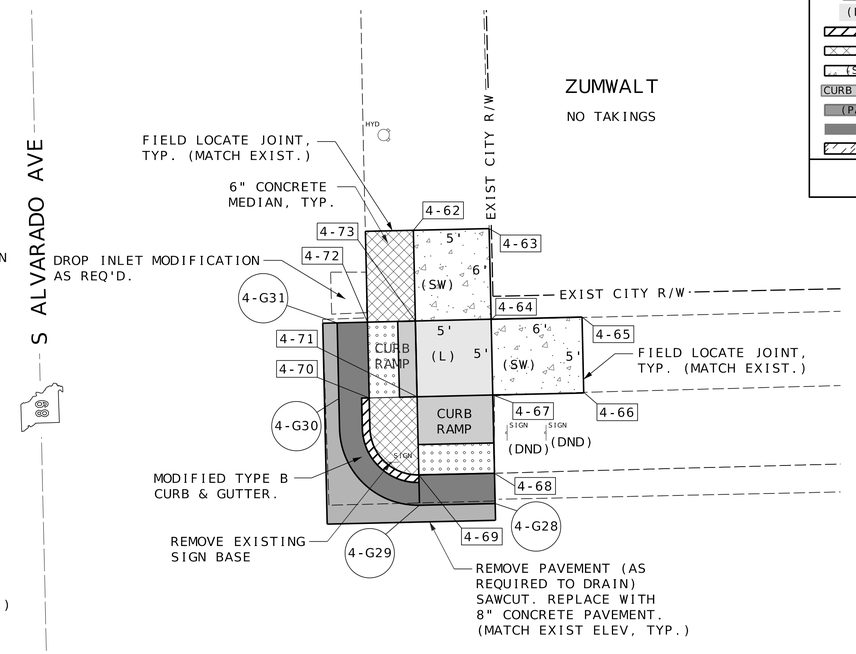
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
STATE OF MISSOURI
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 25
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006047





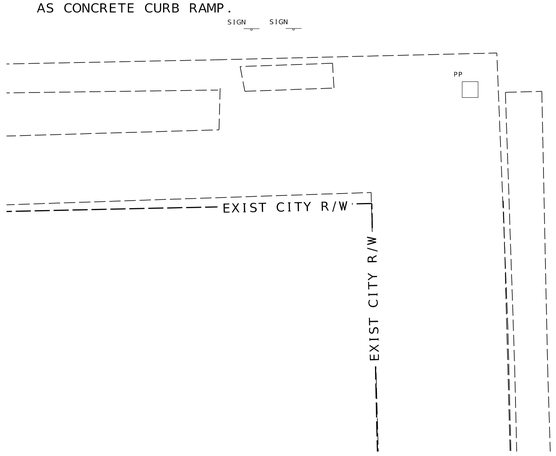
LEGEND

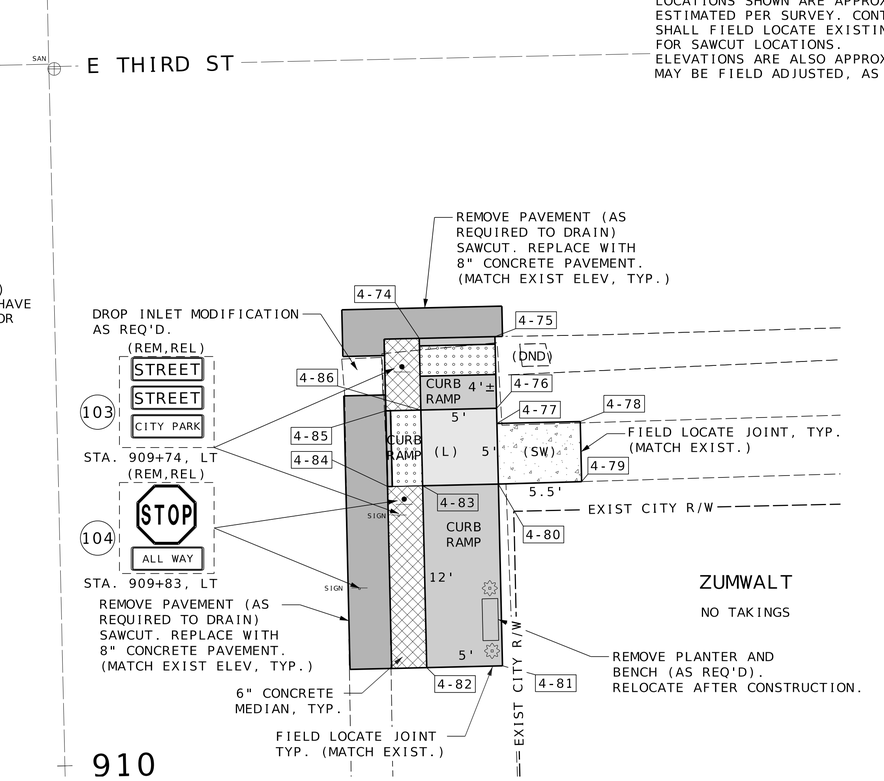
	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION	* MATCH EXISTING ** 0" CURB HEIGHT	

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). 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% MIN.(-2% MAX.).
3. ALL CURBS, HEADWALLS, RAMPS, LANDINGS, SIDEWALKS, ETC., 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 OF IMPROVEMENT QUANTITIES FOR LOCATIONS.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU G" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.





EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
4-G19	909+15.57	19.3' RT	*
4-G20	909+19.68	19.3' RT	*
4-G21	909+23.93	19.3' RT	*
4-G22	909+28.93	19.3' RT	*
4-G23	909+34.93	24.9' RT	*
4-G24	909+34.84	29.9' RT	*
4-G25	909+34.81	31.5' RT	*
4-G26	909+34.74	35.3' RT	*
4-G27	909+34.62	42.0' RT	*
4-G28	909+37.56	29.8' LT	*
4-G29	909+37.56	24.8' LT	1033.03
4-G30	909+30.40	19.7' LT	1033.09
4-G31	909+25.40	19.7' LT	*

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
4-50	909+23.94	42.0' RT	*
4-51	909+28.92	29.8' RT	1033.00
4-52	909+23.96	29.8' RT	1033.10
4-53	909+15.56	29.8' RT	*
4-54	909+15.57	24.8' RT	*
4-55	909+23.93	24.8' RT	1033.10
4-56	909+23.93	22.3' RT	1032.90
4-57	909+28.93	24.8' RT	1033.00
4-58	909+28.93	22.3' RT	1032.85
4-59	909+31.93	24.8' RT	1032.75
4-60	909+31.83	29.8' RT	1032.75
4-61	909+28.91	42.0' RT	*
4-62	909+19.41	24.9' LT	*
4-63	909+19.41	29.9' LT	*
4-64	909+25.42	29.8' LT	1033.25
4-65	909+25.42	35.8' LT	*
4-66	909+30.36	35.8' LT	*
4-67	909+30.40	29.8' LT	1033.30
4-68	909+35.56	29.8' LT	1033.15
4-69	909+35.56	24.8' LT	1033.10
4-70	909+30.40	21.7' LT	1033.05
4-71	909+30.40	24.8' LT	1033.25
4-72	909+25.40	21.7' LT	1033.00
4-73	909+25.40	24.8' LT	1033.20
4-74	909+72.33	24.0' LT	1032.25
4-75	909+72.33	29.0' LT	1032.15
4-76	909+77.07	29.0' LT	1032.50
4-77	909+78.07	29.0' LT	1032.52
4-78	909+78.07	34.5' LT	*
4-79	909+82.03	34.5' LT	*
4-80	909+82.07	29.0' LT	1032.55
4-81	909+87.07	29.0' LT	*
4-82	909+87.07	24.0' LT	*
4-83	909+82.07	24.0' LT	1032.50
4-84	909+82.07	21.7' LT	1032.45
4-85	909+77.07	21.7' LT	1032.40
4-86	909+77.07	24.0' LT	1032.45

MO 89
LOCATION 4 - BELLE

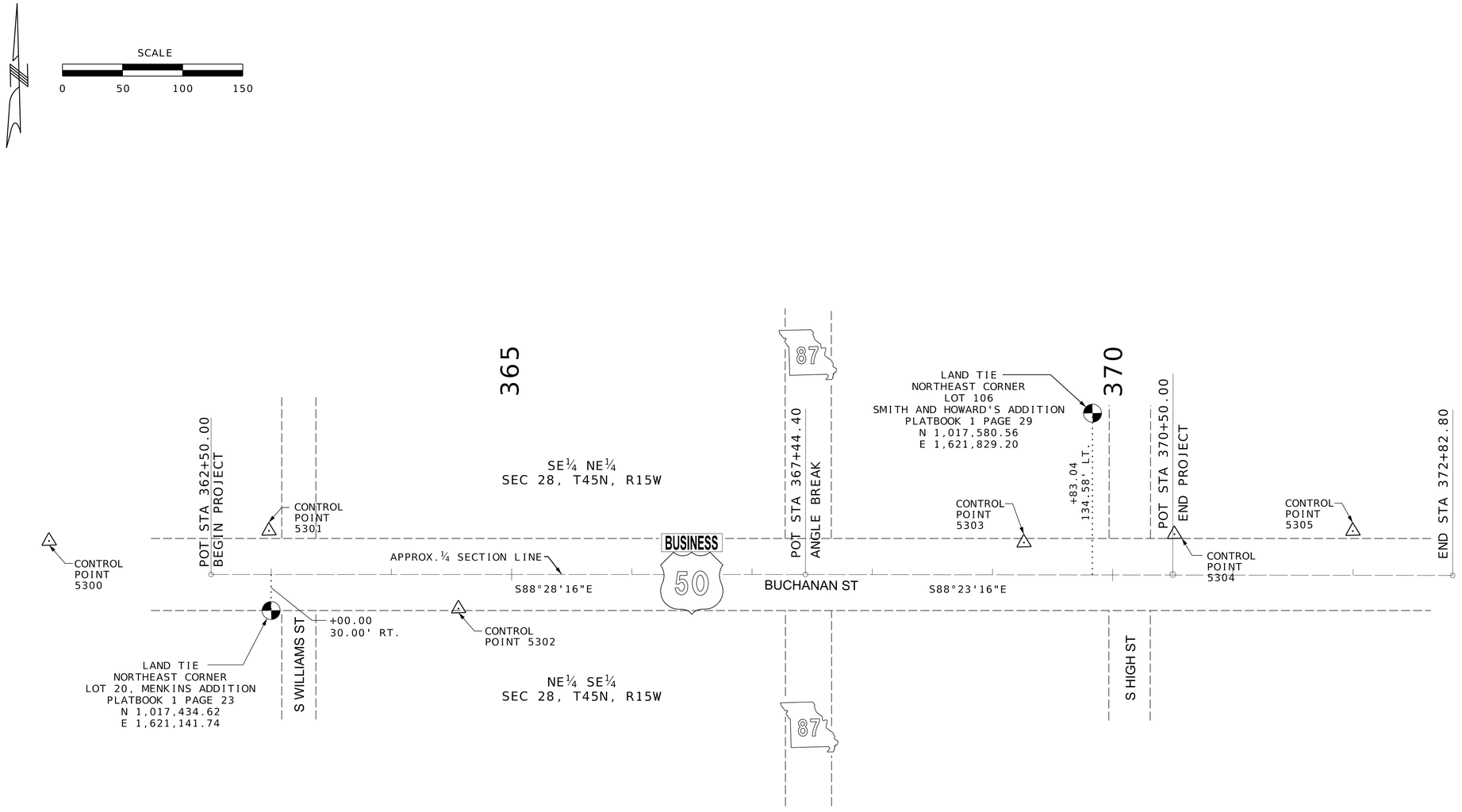
PLAN
SHEET 23 OF 57

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
STATE OF MISSOURI
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 26
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ALIGNMENT DIAGRAM

BUSINESS 50
LOCATION 5 - CALIFORNIA

PLAN
SHEET 24 OF 57

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	27

COUNTY
VARIES

JOB NO.
JCD0214

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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816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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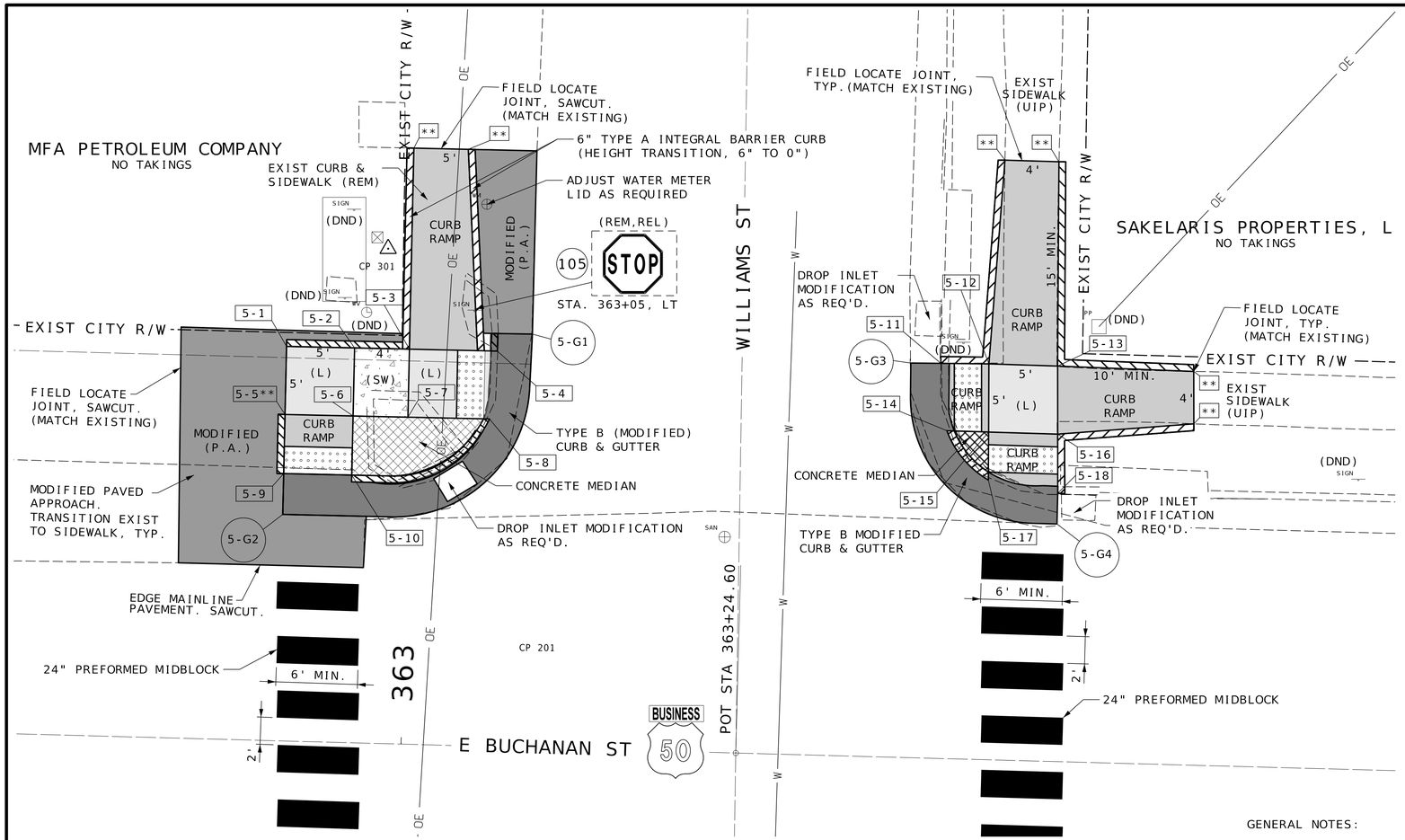

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION	* MATCH EXISTING ** 0" CURB HEIGHT	

SCALE
0 5 10 15

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
5-1	362+90.82	29.0' LT	886.18
5-2	362+95.82	29.0' LT	886.13
5-3	362+99.84	29.0' LT	886.01
5-4	363+06.31	29.0' LT	886.00
5-5	362+90.84	24.0' LT	886.13
5-6	362+95.84	24.0' LT	886.08
5-7	362+99.86	24.0' LT	885.95
5-8	363+05.86	24.0' LT	885.78
5-9	362+90.86	19.6' LT	885.95
5-10	362+95.86	19.6' LT	885.88
5-11	363+38.90	29.0' LT	886.31
5-12	363+42.48	29.0' LT	886.08
5-13	363+47.48	29.0' LT	886.13
5-14	363+39.56	24.0' LT	886.10
5-15	363+42.62	24.0' LT	886.03
5-16	363+47.62	24.0' LT	886.08
5-17	363+42.70	20.5' LT	885.86
5-18	363+47.70	19.7' LT	885.73

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
5-G1	363+08.85	30.4' LT	*
5-G2	362+90.86	16.6' LT	*
5-G3	363+36.69	29.0' LT	*
5-G4	363+47.73	17.4' LT	*

NOTE:
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GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. fOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

BUSINESS 50
LOCATION 5 - CALIFORNIA

PLAN
SHEET 25 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	28

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
5-19	362+92.01	19.6' RT	*
5-20	362+97.01	19.5' RT	*
5-21	362+97.12	23.9' RT	885.80
5-22	363+00.04	23.8' RT	885.57
5-23	363+05.04	23.7' RT	885.52
5-24	363+06.45	21.4' RT	*
5-25	363+08.20	23.6' RT	885.40
5-26	363+08.81	28.6' RT	885.20
5-27	363+05.17	28.7' RT	885.47
5-28	363+00.17	28.8' RT	885.52
5-29	362+97.26	28.9' RT	885.75
5-30	362+92.26	29.0' RT	885.80
5-31	362+92.12	24.0' RT	885.85
5-32	363+43.69	19.9' RT	885.58
5-33	363+48.59	19.1' RT	885.68
5-34	363+48.69	23.7' RT	885.52
5-35	363+48.69	28.7' RT	885.60
5-36	363+43.69	28.7' RT	885.52
5-37	363+39.79	28.7' RT	*
5-38	363+40.26	23.7' RT	885.38
5-39	363+43.69	23.7' RT	885.45

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
5-G5	363+07.91	19.4' RT	*
5-G6	363+11.30	32.6' RT	*
5-G7	363+37.72	28.7' RT	*
5-G8	363+48.54	17.1' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

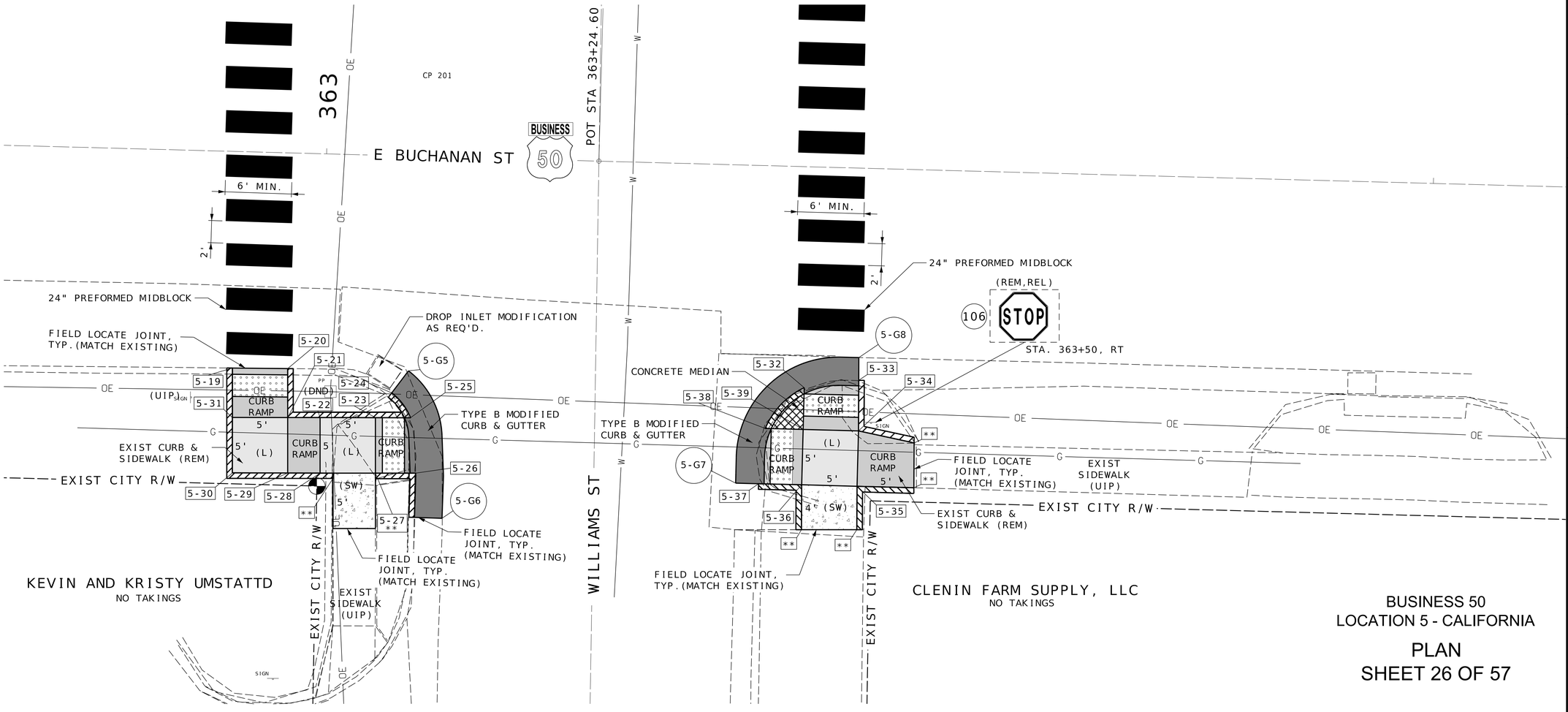
SCALE
0 5 10 15

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. for ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.



BUSINESS 50
LOCATION 5 - CALIFORNIA

PLAN
SHEET 26 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	29

COUNTY
VARIES

JOB NO.
JCD0214

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

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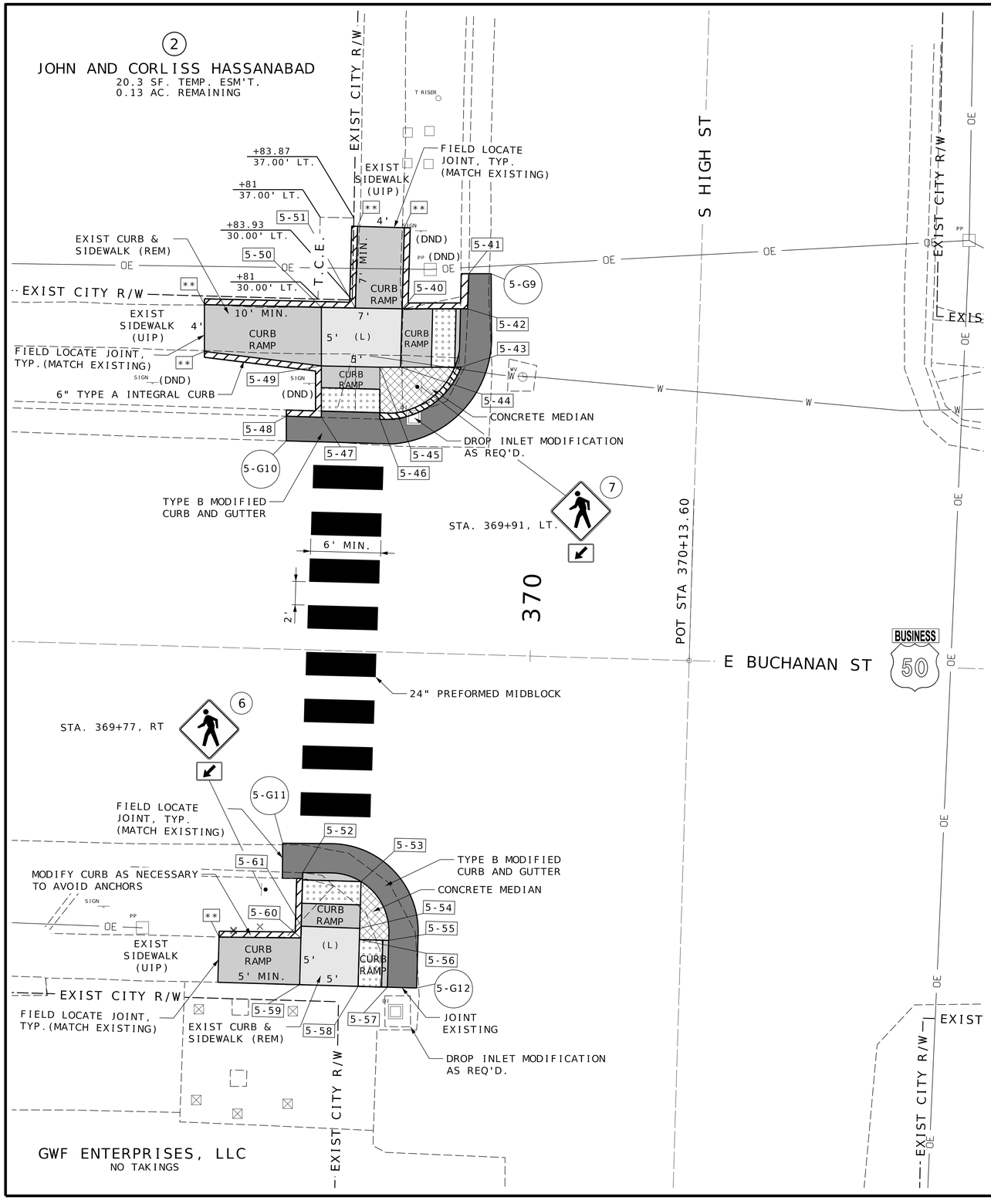

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION	*	MATCH EXISTING
	# POINT LOCATION	**	0" CURB HEIGHT

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
5-40	369+88.21	29.4' LT	892.10
5-41	369+93.83	32.5' LT	*
5-42	369+93.81	29.5' LT	891.97
5-43	369+93.39	24.5' LT	891.79
5-44	369+88.21	24.4' LT	892.05
5-45	369+86.46	24.3' LT	892.07
5-46	369+86.58	19.9' LT	891.94
5-47	369+81.58	19.9' LT	892.03
5-48	369+78.58	19.9' LT	*
5-49	369+81.46	24.3' LT	892.12
5-50	369+81.32	29.3' LT	892.17
5-51	369+84.21	29.3' LT	892.14
5-52	369+81.08	19.1' RT	891.84
5-53	369+86.08	19.7' RT	891.62
5-54	369+86.08	23.7' RT	891.36
5-55	369+88.58	24.6' RT	891.25
5-56	369+86.08	24.6' RT	891.36
5-57	369+88.58	28.6' RT	891.06
5-58	369+86.08	28.6' RT	891.26
5-59	369+81.08	28.6' RT	891.36
5-60	369+81.08	24.6' RT	891.46
5-61	369+81.08	23.6' RT	891.46

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
5-G9	369+95.75	32.6' LT	*
5-G10	369+78.64	17.8' LT	*
5-G11	369+79.29	16.6' RT	*
5-G12	369+91.08	28.6' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

BUSINESS 50
LOCATION 5 - CALIFORNIA

PLAN
SHEET 27 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	30

COUNTY VARIES
JOB NO. JCD0214
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

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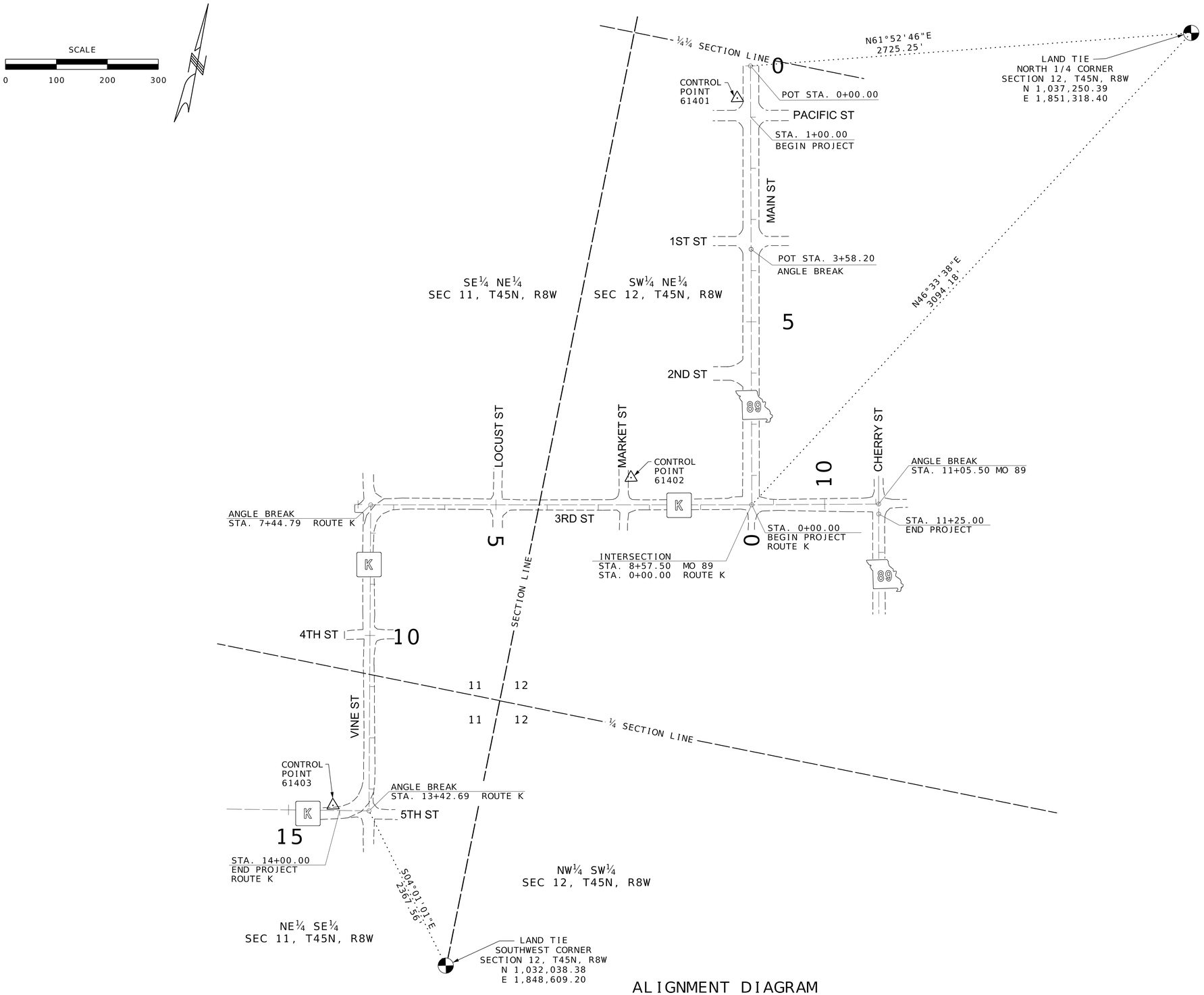
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ALIGNMENT DIAGRAM

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 28 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	31

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 5 10 15

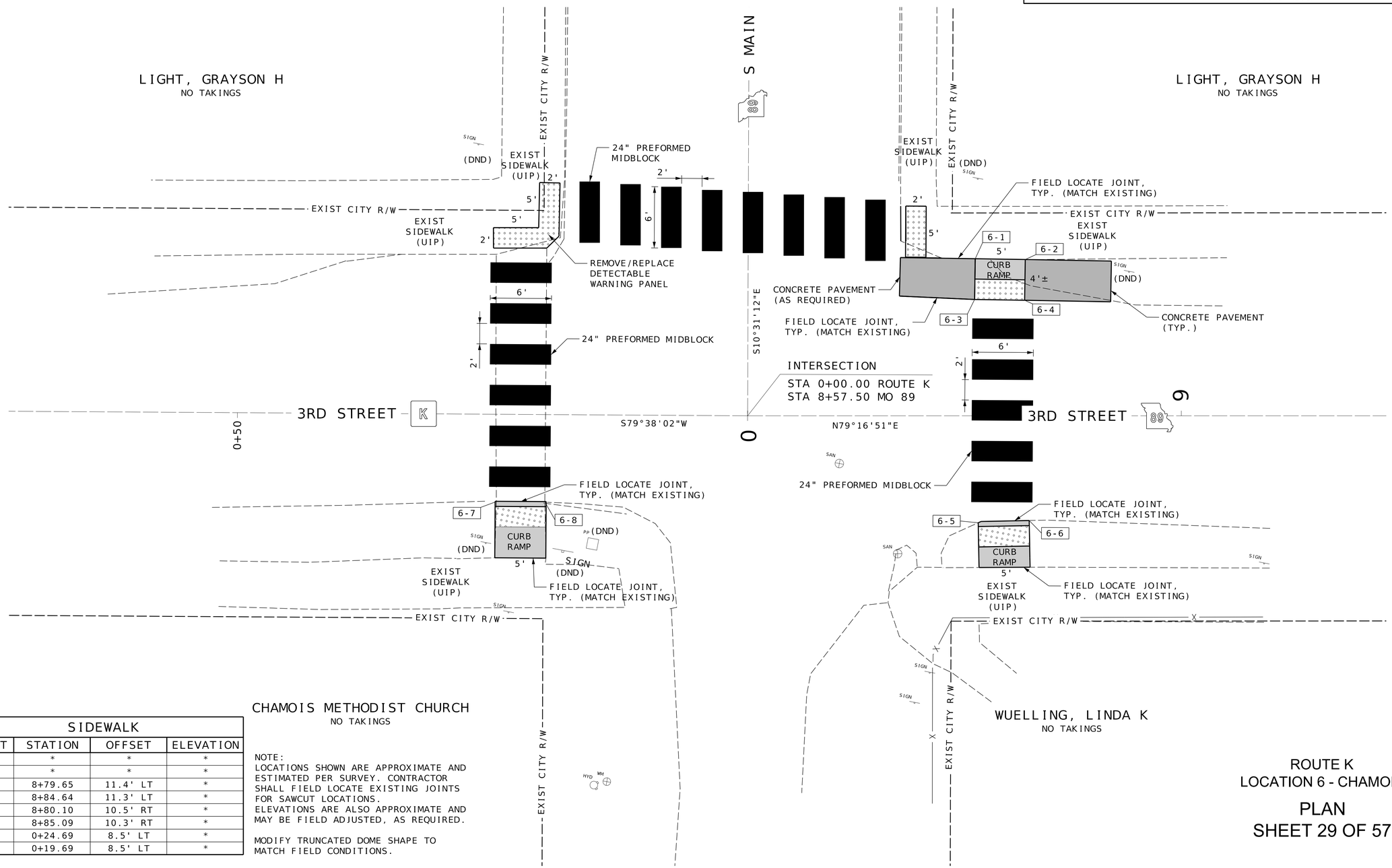
GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
6-1	*	*	*
6-2	*	*	*
6-3	8+79.65	11.4' LT	*
6-4	8+84.64	11.3' LT	*
6-5	8+80.10	10.5' RT	*
6-6	8+85.09	10.3' RT	*
6-7	0+24.69	8.5' LT	*
6-8	0+19.69	8.5' LT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

MODIFY TRUNCATED DOME SHAPE TO MATCH FIELD CONDITIONS.

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 29 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	32

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SCALE
0 5 10 15

3
FOX, MARIANNE OLSON
93.0 SF. TEMP. ESM'T.
0.24 AC. REMAINING

4
INGRAM, WILLIAM S & MELANIE
94.6 SF. TEMP. ESM'T.
0.27 AC. REMAINING

5
SOUTH, CHRISTOPHER J
128.5 SF. TEMP. ESM'T.
0.23 AC. REMAINING

CHAMOIS INDUSTRIAL DEVELOPMENT CORPORATION
NO TAKINGS

S MARKET STREET

3RD STREET K

EXIST CITY R/W

EXIST SIDEWALK (UIP)

FIELD LOCATE JOINT, SAWCUT, AS REQ'D.

CURB RAMP

EXIST SIDEWALK (REM) SEED/MULCH

EXIST STORM SEWER, ADJUST AS REQUIRED

DETECTABLE WARNING PANEL, TYP.

NOTE:
CURB RAMP GRADES WILL NOT MEET ADA STANDARDS. USE GRADE EXCEPTION, 15 ' MIN. LENGTH RAMPS.

TRANSITION AREAS TO BE CONSTRUCTED TO FIELD CONDITIONS. GRADES MAY OR MAY NOT MEET ADA STANDARDS. EXCEPTIONS REQUIRED.

24" PREFORMED MIDBLOCK

CONCRETE PAVEMENT

EXIST CROSSING (UIP)

EXIST SIDEWALK (REM)

EXIST SIDEWALK (UIP)

S79°38'02"W

STA. 2+27, 12' RT

STA. 2+76, 13' LT

EXTST CITY R/W

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
6-9	*	*	*
6-10	*	*	*
6-11	*	*	*
6-12	2+69.16	18.5' RT	542.29
6-13	2+64.16	18.6' RT	542.19
6-14	2+60.98	18.6' RT	*
6-15	*	*	*
6-16	2+69.10	13.5' RT	542.39
6-17	2+69.08	11.2' RT	*
6-18	*	*	*
6-19	*	*	*
6-20	2+40.97	18.8' RT	*
6-21	2+34.60	18.9' RT	542.57
6-22	2+29.60	18.9' RT	542.67
6-23	*	*	*
6-24	2+29.57	13.9' RT	542.77
6-25	*	*	*
6-26	2+29.54	10.1' RT	*
6-27	2+69.85	10.2' LT	*
6-28	2+64.85	10.2' LT	*
6-29	*	*	*
6-30	2+69.86	15.3' LT	543.11
6-31	2+64.86	15.3' LT	543.16
6-32	2+57.75	15.5' LT	*
6-33	*	*	*
6-34	2+69.88	20.3' LT	543.06
6-35	2+64.88	20.3' LT	543.11
6-36	2+57.93	20.7' LT	*
6-37	*	*	*
6-38	*	*	*
6-39	2+34.86	12.4' LT	*
6-40	2+29.68	10.2' LT	*
6-41	*	*	*
6-42	*	*	*

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ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 30 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 33
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SCALE

0 5 10 15

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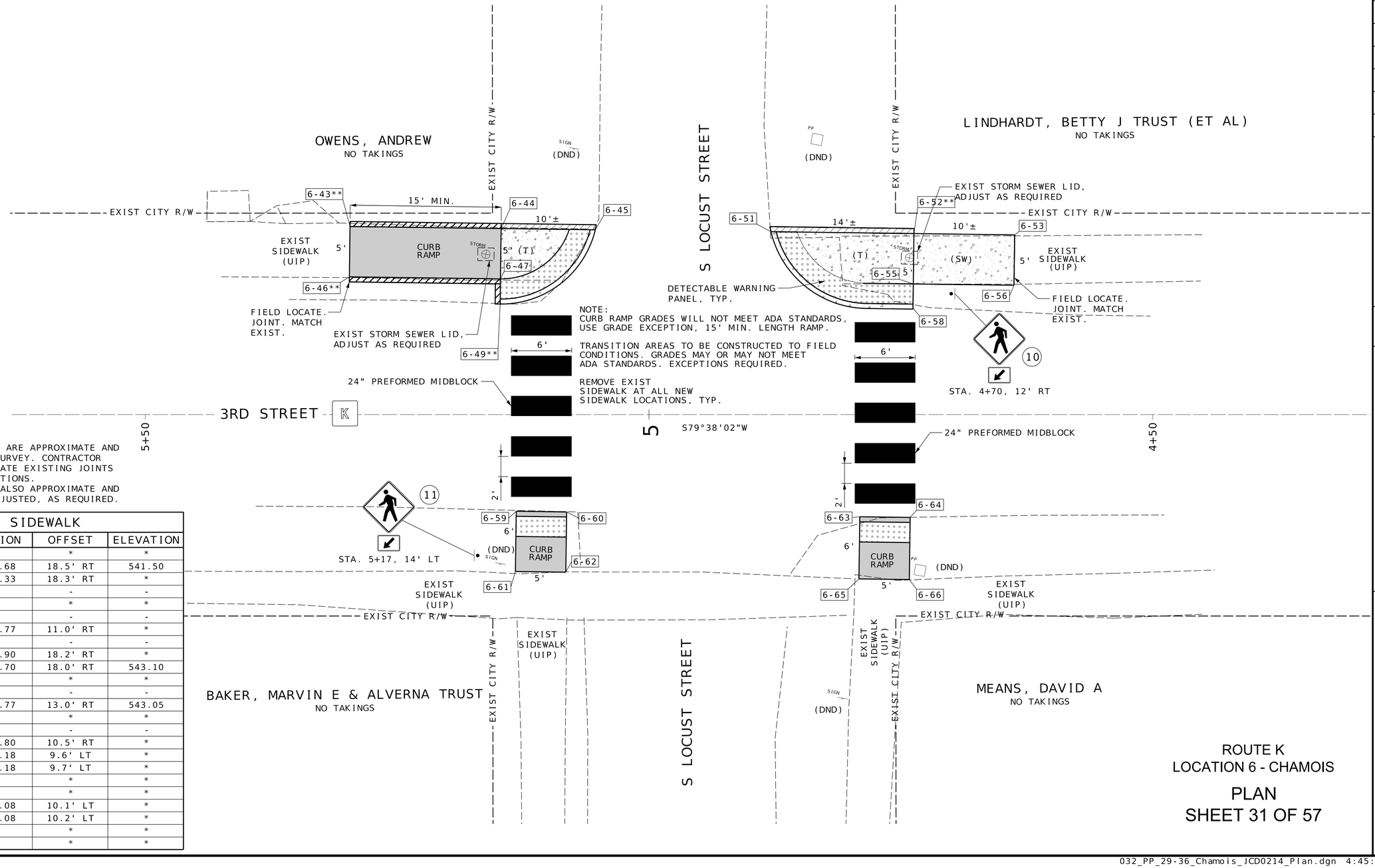
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	S-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



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SIDEWALK

POINT	STATION	OFFSET	ELEVATION
6-43	*	*	*
6-44	5+14.68	18.5' RT	541.50
6-45	5+05.33	18.3' RT	*
6-46	-	-	-
6-47	*	*	*
6-48	-	-	-
6-49	5+14.77	11.0' RT	*
6-50	-	-	-
6-51	4+87.90	18.2' RT	*
6-52	4+73.70	18.0' RT	543.10
6-53	*	*	*
6-54	-	-	-
6-55	4+73.77	13.0' RT	543.05
6-56	*	*	*
6-57	-	-	-
6-58	4+73.80	10.5' RT	*
6-59	5+13.18	9.6' LT	*
6-60	5+08.18	9.7' LT	*
6-61	*	*	*
6-62	*	*	*
6-63	4+79.08	10.1' LT	*
6-64	4+74.08	10.2' LT	*
6-65	*	*	*
6-66	*	*	*

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR.
STATE: MO
DISTRICT: CD
SHEET NO.: 34
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 31 OF 57

SCALE

0 5 10 15

GENERAL NOTES:

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

MINOR, ANTHONY & MARY
NO TAKINGS

EXIST CITY R/W

SIGN

SIGN

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
6-67	*	*	*
6-68	*	*	*
6-69	7+04.90	12.2' RT	*
6-70	6+99.90	12.2' RT	*
6-71	7+61.92	24.6' RT	534.90
6-72	7+61.86	14.8' RT	*
6-73	7+66.86	19.5' RT	535.10
6-74	7+66.86	14.7' RT	*
6-75	*	*	*
6-76	*	*	*
6-77	7+04.65	10.3' LT	*
6-78	6+99.66	9.8' LT	*
6-79	7+14.60	14.8' LT	*
6-80	7+04.61	14.7' LT	535.40
6-81	6+99.61	14.6' LT	535.45
6-82	*	*	*
6-83	7+23.96	19.9' LT	*
6-84	7+14.55	19.8' LT	535.15
6-85	7+04.55	19.7' LT	535.45
6-86	6+99.55	19.6' LT	535.50
6-87	*	*	*

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EXIST CULVERT (UIP)

REMOVE EXIST SIDEWALK AT ALL NEW SIDEWALK LOCATIONS, TYP.

6-71 9'± 6-72

CURB RAMP

5'

(SW)

11'±

6-73 (DND)

6-74

DETECTABLE WARNING PANEL, TYP.

6-75 5' 6-76

FIELD LOCATE, MATCH JOINT, SAWCUT.

EXIST SIDEWALK (UIP)

EXIST CITY R/W

WOLFE, CHEYANNA L & HUNTER J SCHULER
NO TAKINGS

POT STA 7+44.79
ANGLE BREAK

S10°02'37"E

VINE STREET

24" PREFORMED MIDBLOCK

2'

6'

6-83

EXIST CITY R/W

STA. 7+70, 20' LT

(DND)

HANNIS, KAY S
NO TAKINGS

EXIST CITY R/W

FIELD LOCATE. SIDEWALK, MATCH EXIST.

STORM

EXIST SIDEWALK (UIP)

6-68

6-67 CURB RAMP 5'± 6-70

6-69

5'

12

STA. 6+95, 14' RT

DETECTABLE WARNING PANEL, TYP.

6'

24" PREFORMED MIDBLOCK

3RD STREET K

S79°38'02"W

7'

REMOVE EXIST SIDEWALK AT ALL NEW SIDEWALK LOCATIONS, TYP.

6-77 6-78

FIELD LOCATE JOINT. MATCH EXIST. SAWCUT. TYP.

A

6-79 6-80 CURB RAMP 5'± 6-81 6-82

5' (T) 5' (SW) 5' (L) (SW) 10'± 5' EXIST SIDEWALK (UIP)

9.4'± +19.91 20.00' LT. 6-84 10' 6-85 5' 6-86 A 6-87

EXIST CITY R/W +84.13 20.00' LT.

T.C.E.

T.C.E. +19.91 25.00' LT. +84.13 25.00' LT.

13

6

BAKER, MARVIN E & ALVERNA TRUST
179.0 SF. TEMP. ESM'T.
0.20 AC. REMAINING

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 32 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE VAR. | STATE MO

DISTRICT CD | SHEET NO. 35

COUNTY VARIES

JOB NO. JCD0214

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.
A Kleinfelder Company
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816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

032_PP_29-36_Chamois_JCD0214_Plan.dgn 4:45:02 PM 5/22/2026

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$ TOWN LOCATION # POINT LOCATION		* MATCH EXISTING ** 0" CURB HEIGHT	

SCALE
0 5 10 15

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
6-88	*	*	*
6-89	*	*	*
6-90	10+59.53	8.5' LT	*
6-91	10+64.53	8.5' LT	*
6-92	*	*	*
6-93	*	*	*
6-94	9+87.89	18.6' RT	538.45
6-95	9+89.26	23.6' RT	538.40
6-96	10+08.57	18.5' RT	538.85
6-97	10+07.26	23.5' RT	538.80
6-98	10+25.88	18.4' RT	539.25
6-99	10+27.26	23.4' RT	539.30
6-100	10+43.56	18.3' RT	539.50
6-101	10+42.26	23.3' RT	539.55
6-102	10+59.66	12.8' RT	*
6-103	10+59.70	18.2' RT	539.55
6-104	10+59.73	23.2' RT	539.60
6-105	10+64.66	12.8' RT	*
6-106	10+64.70	18.1' RT	539.60
6-107	10+64.73	23.1' RT	539.65

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

SLUSSER, DELBERT GUY
NO TAKINGS

EXIST CITY R/W

4TH STREET

TILLY, NEIL J & VERNON & ALICE TILLY
NO TAKINGS

EXIST MoDOT R/W

FIELD LOCATE. SIDEWALK, MATCH EXIST.

EXIST SIDEWALK (UIP)

6-88 6-89 6-90 6-91 5' CURB RAMP 7'± (DND) (14)

STA. 10+70, 11' LT

24" PREFORMED MIDBLOCK

10+50

VINE STREET K

S10°02'37"E

STA. 10+55, 15' RT

6' 2'

1/4 SECTION LINE

MATCHLINE STA. 10+88.81

FIELD LOCATE E/PAVEMENT. MATCH EXIST.

ASPHALT PATCH, TYP. SEE SPECIFICATIONS.

(DND)

6-94 6-96 6-98 6-100 6-102 6-105 6-103 6-106 6-92 6-93 6-95 6-97 6-99 6-101 6-104 6-107

5' MODIFIED P.A. -2% 5' -1%

R=10' GRASS

MODIFIED P.A. 5' -2% 5' -1%

(SW) 5' (SW) 5' (SW) 5' (L) (SW)

EXIST SIDEWALK (UIP) 5'

19'± 18' 20' 15' 17.5' 5'

(15) CURB RAMP

DETECTABLE WARNING PANEL, TYP.

FIELD LOCATE, MATCH JOINT, SAWCUT.

40' @ +1.6%

18' STREET

THOMAS FAMILY ENTERPRISES LLC
MORTON'S FUNERAL HOME INC
NO TAKINGS

ST. JOHNS UNITED CHURCH OF CHRIST
NO TAKINGS

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 33 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	36

COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SCALE

0 5 10 15

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
6-108	11+04.70	17.9' RT	540.20
6-109	11+04.73	22.9' RT	540.29

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GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

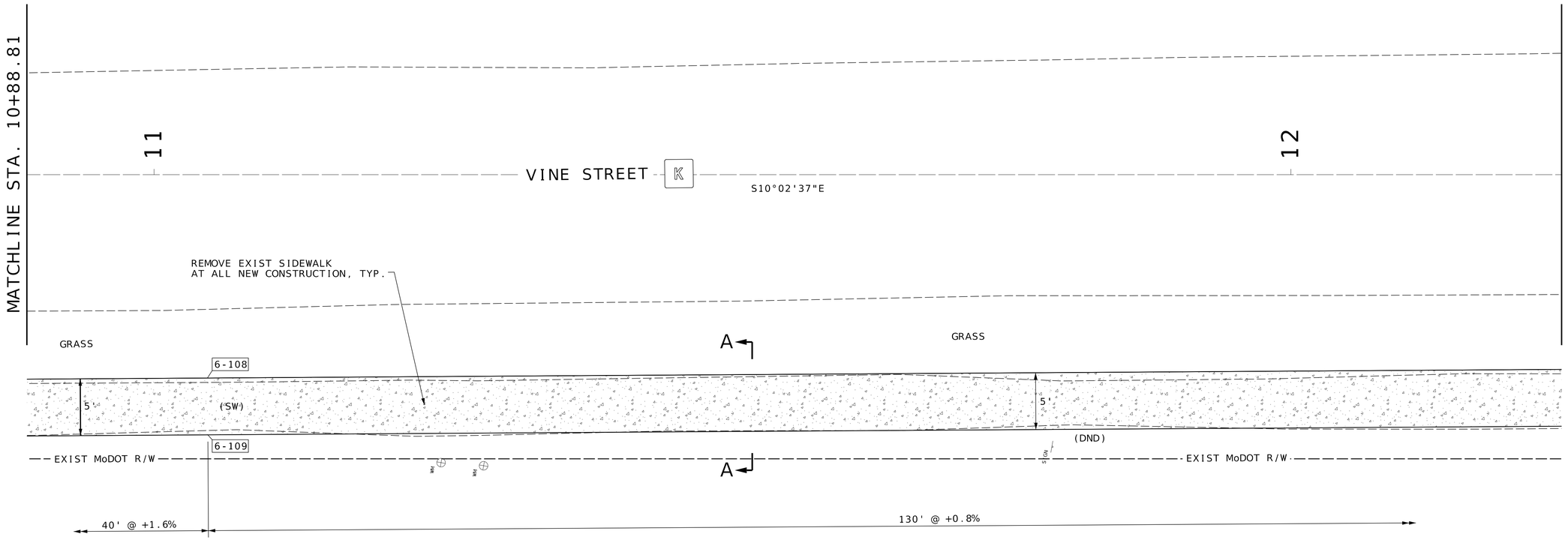
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

TILLY, NEIL J & VERNON & ALICE TILLY
NO TAKINGS

BACKES, DAVID
NO TAKINGS

EXIST MoDOT R/W



ST. JOHNS UNITED CHURCH OF CHRIST
NO TAKINGS

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 34 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	37

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SCALE

0 5 10 15

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
6-110	*	*	*
6-111	*	*	*
6-112	*	*	*
6-113	13+23.86	20.6' LT	542.65
6-114	13+23.87	19.6' LT	542.64
6-115	13+28.86	20.6' LT	542.65
6-116	*	*	*
6-117	*	*	*
6-118	13+03.66	15.5' LT	542.55
6-119	13+08.66	15.5' LT	542.50
6-120	13+23.89	15.6' LT	542.60
6-121	13+28.89	15.6' LT	542.60
6-122	*	*	*
6-123	*	*	*
6-124	*	*	*
6-125	12+34.69	17.1' RT	541.20
6-126	12+34.73	22.1' RT	541.33
6-127	13+03.27	16.6' RT	*
6-128	13+03.30	21.6' RT	541.25
6-129	13+12.80	21.6' RT	*

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GENERAL NOTES:

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2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
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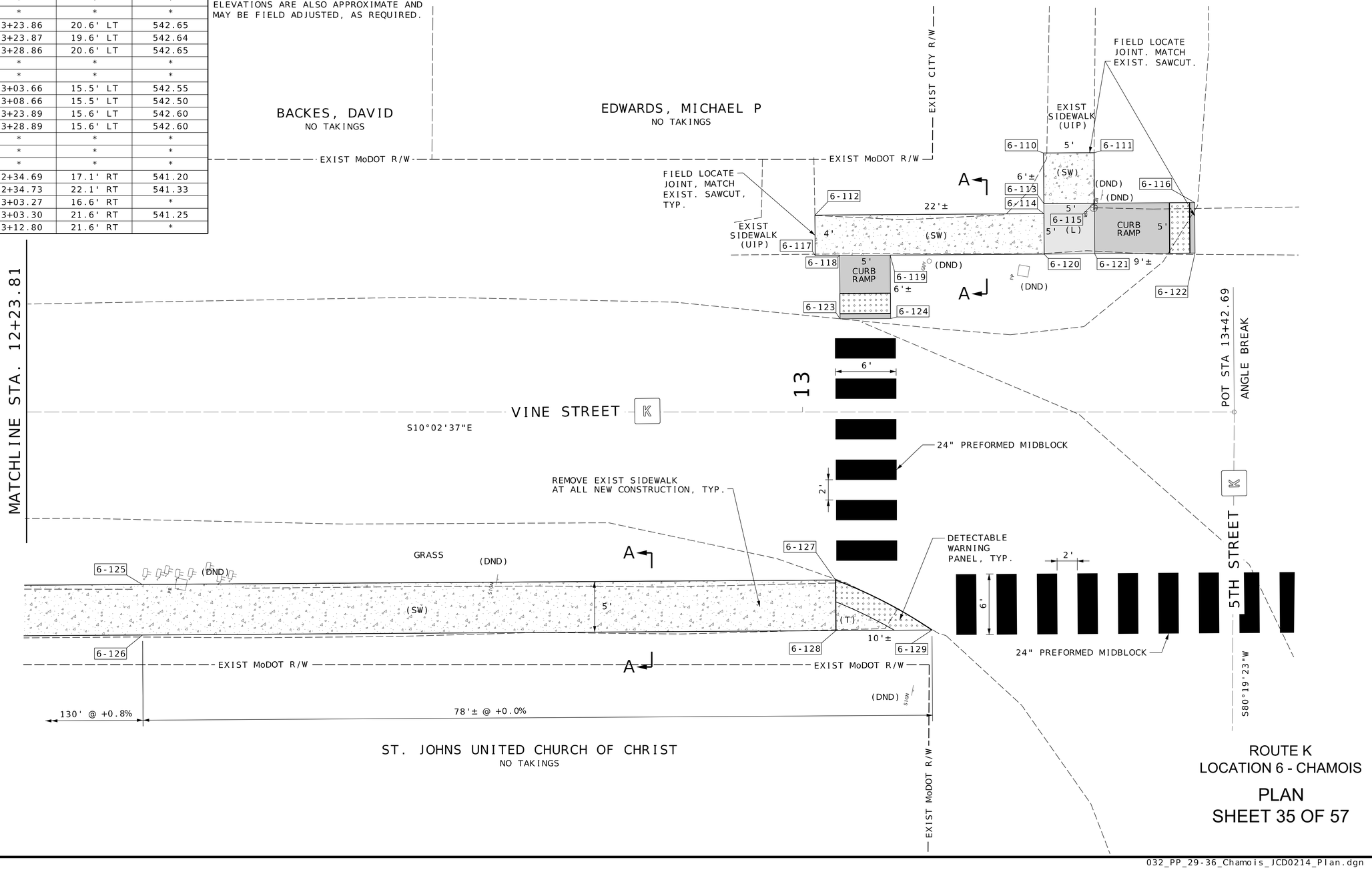
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT



ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 35 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	38

COUNTY
VARIES

JOB NO.
JCD0214

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

GENERAL NOTES:

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

SCALE
0 5 10 15

EXIST CITY R/W

ARLEN, STEVEN B & BUFFY ANN
NO TAKINGS

EXIST CITY R/W

SIGN

SIGN

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
6-130	13+58.87	14.7' LT	*
6-131	*	*	*
6-132	13+63.89	13.1' LT	*
6-133	*	*	*

NOTE:
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VINE STREET K

POT STA 13+42.69
ANGLE BREAK

VINE STREET

K

5TH STREET

S80°19'23"W

DETECTABLE WARNING PANEL

A

(DND) PP

6-130

6-131

2'

6' MIN.

(T)

(SW)

5' EXIST SIDEWALK (UIP)

6-132

14'±

6-133

A

SIGN
(DND)

FIELD LOCATE JOINT. MATCH EXIST, SAWCUT. TYP EACH END.

24" PREFORMED MIDBLOCK

EXIST CITY R/W

EXIST MoDOT R/W

CHITWOOD, JULIE
NO TAKINGS

ROUTE K
LOCATION 6 - CHAMOIS

PLAN
SHEET 36 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	39

COUNTY
VARIES

JOB NO.
JCD0214

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

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SCALE

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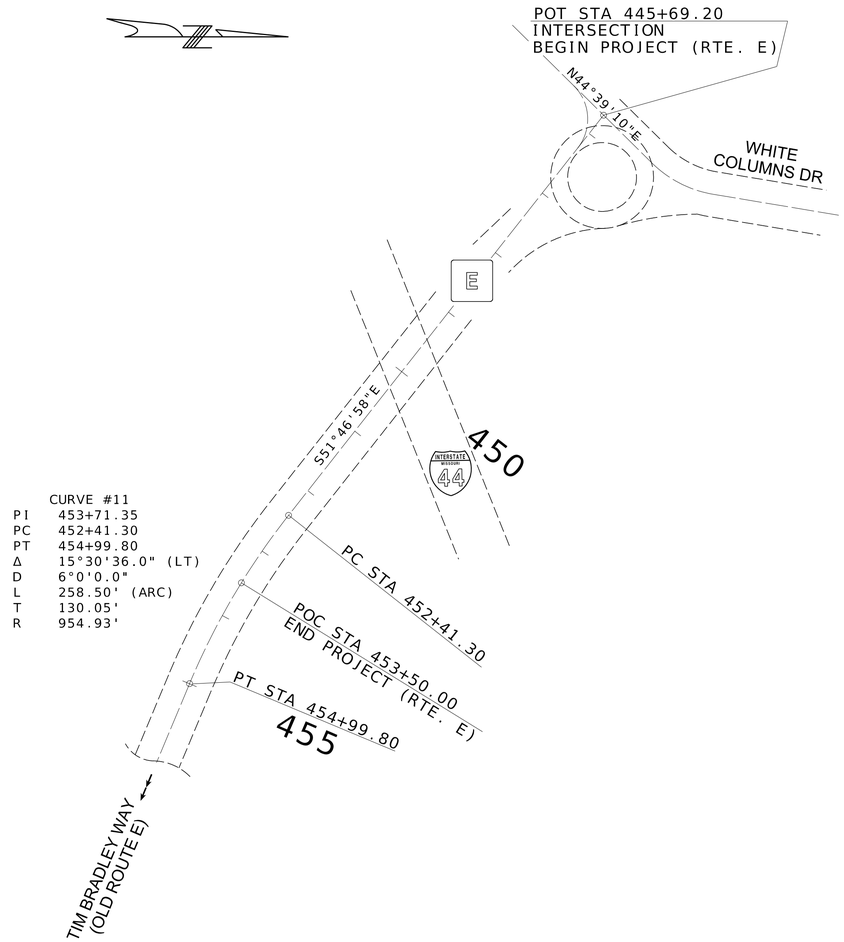
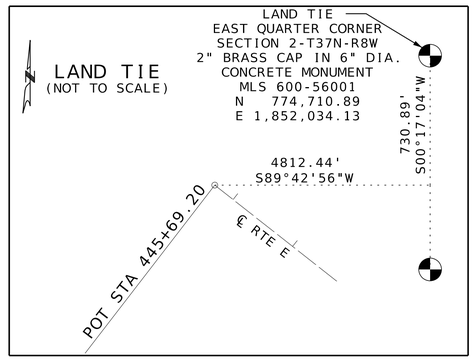


ALIGNMENT DIAGRAM



ROUTE E
LOCATION 7 - ROLLA

PLAN
SHEET 37 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	40

COUNTY: VARIES

JOB NO.: JCD0214

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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006047

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SCALE

0 10 20 30

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
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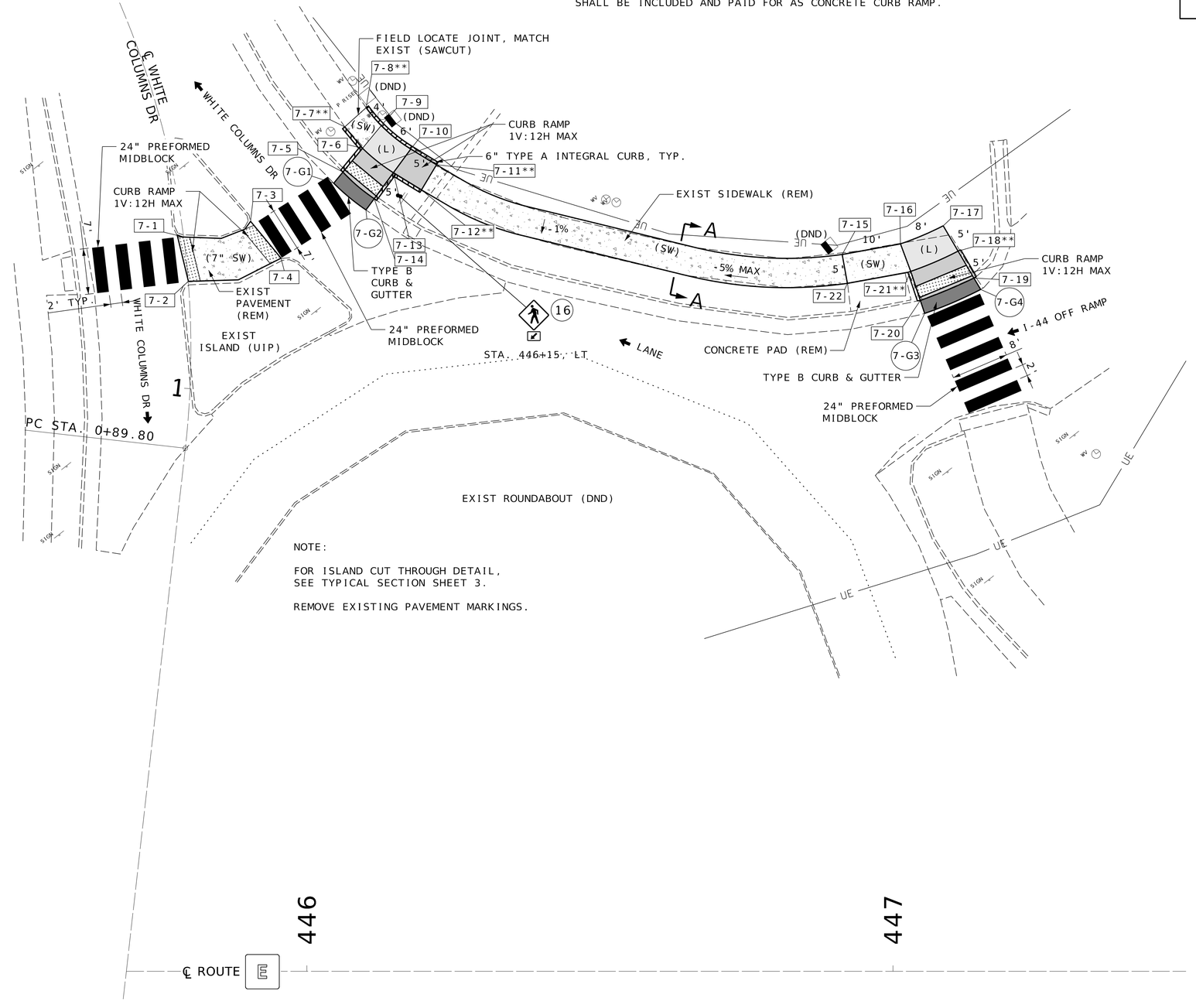

NOTE:

FOR ISLAND CUT THROUGH DETAIL, SEE TYPICAL SECTION SHEET 3.

REMOVE EXISTING PAVEMENT MARKINGS.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

NOTE:

EXISTING R/W IS APPROXIMATELY 100' LEFT OF WHITE COLUMNS DRIVE CENTERLINE.

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
7-1	445+77.88	125.5' LT	*
7-2	445+79.78	117.7' LT	*
7-3	445+90.39	127.9' LT	*
7-4	445+95.59	121.6' LT	*
7-5	446+06.15	136.3' LT	1162.39
7-6	446+09.50	140.4' LT	1162.82
7-7	446+06.47	144.1' LT	*
7-8	446+10.10	147.3' LT	*
7-9	446+12.70	144.3' LT	1162.87
7-10	446+17.73	140.3' LT	1162.93
7-11	446+22.12	137.6' LT	1163.30
7-12	446+19.55	133.3' LT	1163.25
7-13	446+14.76	136.2' LT	1162.88
7-14	446+11.49	131.8' LT	1162.43
7-15	446+91.32	122.3' LT	1163.95
7-16	447+01.28	124.1' LT	1163.70
7-17	447+08.57	127.2' LT	1163.65
7-18	447+11.11	122.9' LT	1163.60
7-19	447+13.81	118.3' LT	1163.21
7-20	447+04.66	114.4' LT	1163.40
7-21	447+03.02	119.4' LT	1163.61
7-22	446+92.22	117.4' LT	1163.90

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
7-G1	446+04.58	134.4' LT	*
7-G2	446+10.08	129.9' LT	*
7-G3	447+05.39	112.2' LT	*
7-G4	447+14.95	116.3' LT	*

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ROUTE E
LOCATION 7 - ROLLA

PLAN
SHEET 38 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	41

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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9788 N Ash Avenue Kansas City, Missouri 64157
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Certificate of Authority No. 2002006347

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SCALE

0 5 10 15

GENERAL NOTES:

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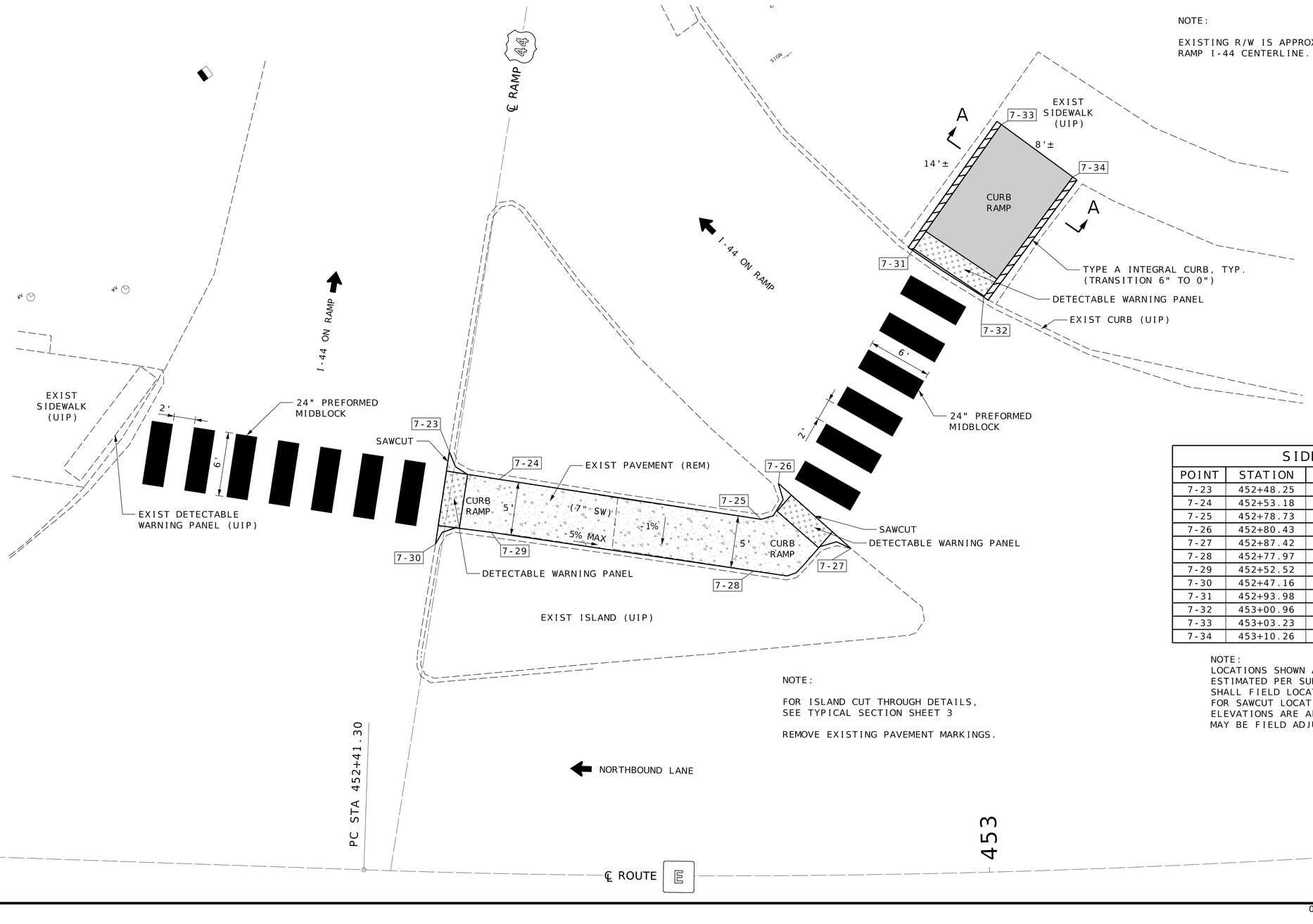
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	S-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION # POINT LOCATION		* MATCH EXISTING ** 0" CURB HEIGHT

NOTE:

EXISTING R/W IS APPROXIMATELY 60' RIGHT OF RAMP I-44 CENTERLINE.



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
7-23	452+48.25	39.4' LT	*
7-24	452+53.18	37.0' LT	1160.12
7-25	452+78.73	33.4' LT	1159.23
7-26	452+80.43	36.8' LT	*
7-27	452+87.42	30.6' LT	*
7-28	452+77.97	28.6' LT	1159.28
7-29	452+52.52	32.0' LT	1160.17
7-30	452+47.16	30.7' LT	*
7-31	452+93.98	58.5' LT	*
7-32	453+00.96	53.9' LT	*
7-33	453+03.23	70.0' LT	*
7-34	453+10.26	64.9' LT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

NOTE:

FOR ISLAND CUT THROUGH DETAILS, SEE TYPICAL SECTION SHEET 3

REMOVE EXISTING PAVEMENT MARKINGS.

ROUTE E
LOCATION 7 - ROLLA

PLAN
SHEET 39 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	42

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

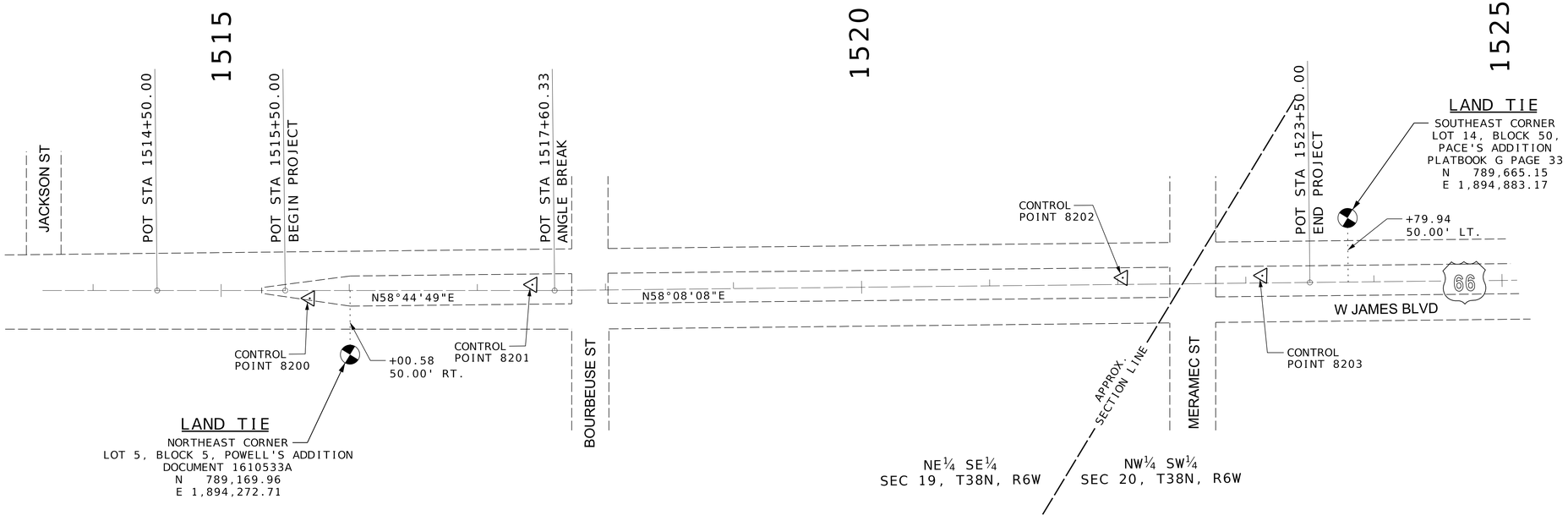
DESCRIPTION	DATE

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

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

SCALE

0 50 100 150



ALIGNMENT DIAGRAM

ROUTE 66
LOCATION 8 - ST. JAMES

PLAN
SHEET 40 OF 57

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	43

COUNTY
VARIES

JOB NO.
JCD0214

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

043_PP_40_StJames_JCD0214_Plan-Alignment.dgn 4:45:17 PM 5/22/2026

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

SCALE
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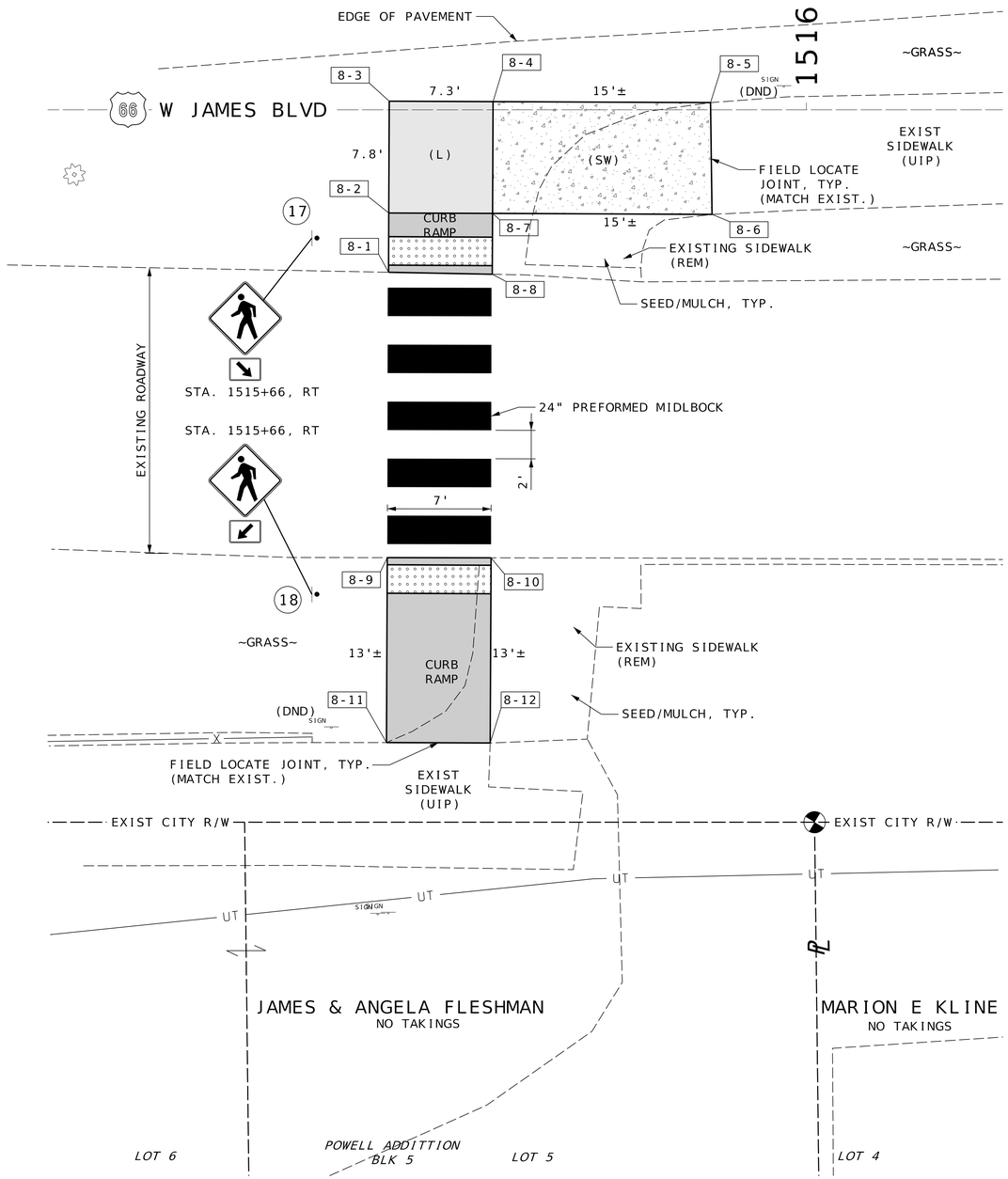


LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
8-1	1515+70.68	11.4' RT	*
8-2	1515+70.69	7.2' RT	1081.34
8-3	1515+70.73	0.6' LT	1081.46
8-4	1515+78.01	0.6' LT	1081.35
8-5	*	*	*
8-6	*	*	*
8-7	1515+77.98	7.3' RT	1081.23
8-8	1515+77.96	11.5' RT	*
8-9	1515+70.59	31.4' RT	*
8-10	1515+77.87	31.4' RT	*
8-11	*	*	*
8-12	*	*	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

ROUTE 66
LOCATION 8 - ST. JAMES

PLAN
SHEET 41 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	44

COUNTY
VARIES
JOB NO.
JCD0214
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

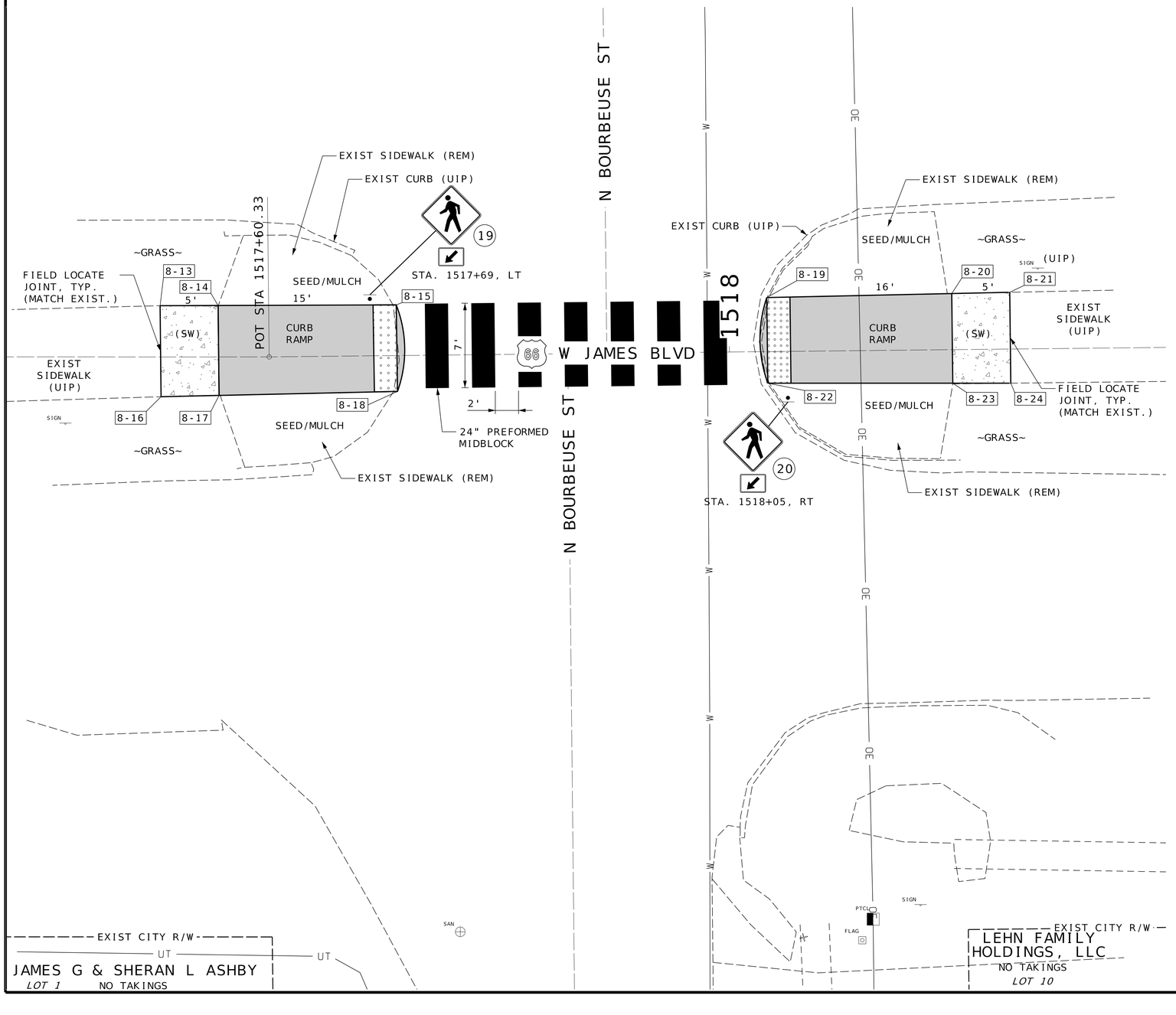
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

SCALE
0 5 10 15



LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$ TOWN LOCATION # POINT LOCATION		* MATCH EXISTING ** 0" CURB HEIGHT	

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
8-13	1517+50.93	4.4' LT	*
8-14	1517+55.93	4.4' LT	1079.83
8-15	1517+71.33	4.4' LT	*
8-16	1517+51.01	3.4' RT	*
8-17	1517+56.01	3.3' RT	1079.94
8-18	1517+71.36	3.1' RT	*
8-19	1518+03.27	4.7' LT	*
8-20	1518+19.21	4.8' LT	1079.09
8-21	1518+24.21	4.9' LT	*
8-22	1518+03.27	2.7' RT	*
8-23	1518+19.22	2.9' RT	1079.21
8-24	1518+24.22	2.9' RT	*

NOTE:
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ROUTE 66
LOCATION 8 - ST. JAMES

PLAN
SHEET 42 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	45

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 10 20 30

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
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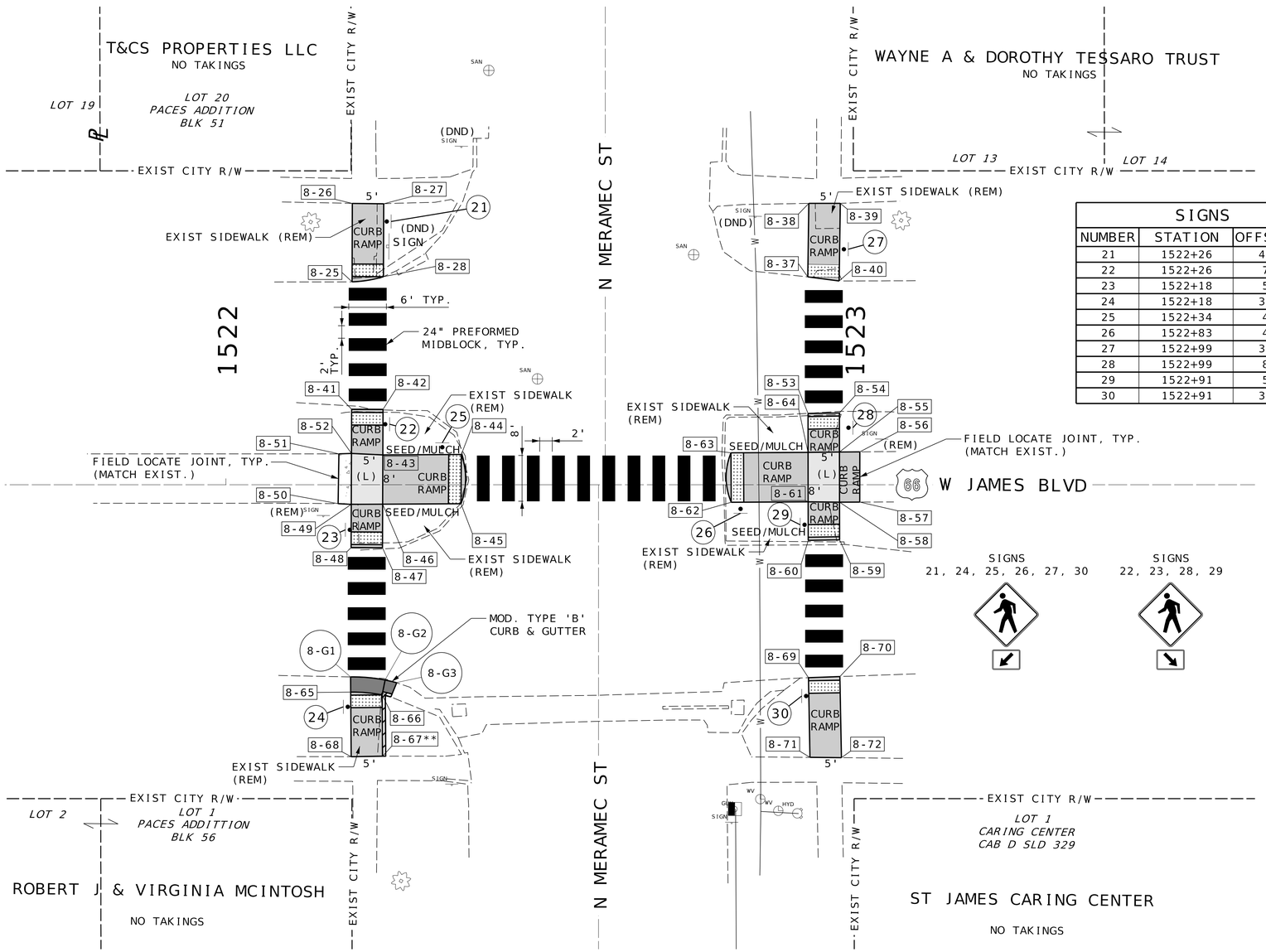
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



SIGNS

NUMBER	STATION	OFFSET (±)
21	1522+26	42' LT
22	1522+26	7' LT
23	1522+18	5' RT
24	1522+18	36' RT
25	1522+34	4' LT
26	1522+83	4' RT
27	1522+99	39' LT
28	1522+99	8' LT
29	1522+91	5' RT
30	1522+83	4' RT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
8-25	1522+20.10	32.3' LT	*
8-26	1522+20.14	44.8' LT	*
8-27	1522+25.14	44.8' LT	*
8-28	1522+25.10	33.1' LT	*
8-29	-	-	-
8-30	-	-	-
8-31	-	-	-
8-32	-	-	-
8-33	-	-	-
8-34	-	-	-
8-35	-	-	-
8-36	-	-	-
8-37	1522+92.69	33.1' LT	*
8-38	1522+92.85	44.8' LT	*
8-39	1522+97.88	44.8' LT	*
8-40	1522+97.69	32.5' LT	*
8-41	1522+20.02	12.0' LT	*
8-42	1522+25.02	12.0' LT	*
8-43	1522+24.99	4.8' LT	1077.85
8-44	1522+37.50	4.8' LT	*
8-45	1522+37.44	3.0' RT	*
8-46	1522+24.97	3.1' RT	1077.93
8-47	1522+24.94	10.0' RT	*
8-48	1522+19.94	10.0' RT	*
8-49	1522+19.97	3.1' RT	1077.99
8-50	*	*	*
8-51	*	*	*
8-52	1522+19.99	5.0' LT	1077.91
8-53	1522+92.72	11.4' LT	*
8-54	1522+97.72	11.4' LT	*
8-55	1522+97.74	5.2' LT	1077.73
8-56	*	*	*
8-57	*	*	*
8-58	1522+97.75	2.8' RT	1077.85
8-59	1522+97.76	8.8' RT	*
8-60	1522+92.76	8.9' RT	*
8-61	1522+92.75	2.7' RT	1077.94
8-62	1522+80.49	2.8' RT	*
8-63	1522+80.46	5.1' LT	*
8-64	1522+92.74	5.2' LT	1077.82
8-65	1522+19.88	33.0' RT	1077.49
8-66	1522+24.88	33.5' RT	1077.41
8-67	1522+24.96	43.2' RT	*
8-68	1522+19.96	43.3' RT	*
8-69	1522+92.80	30.7' RT	*
8-70	1522+97.80	30.5' RT	*
8-71	1522+98.04	43.5' RT	*
8-72	1522+93.04	43.4' RT	*

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
8-G1	1522+19.86	30.6' RT	*
8-G2	1522+25.35	31.1' RT	*
8-G3	1522+27.20	31.5' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISITNG JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMTE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

ROUTE 66
LOCATION 8 - ST. JAMES
PLAN
SHEET 43 OF 57

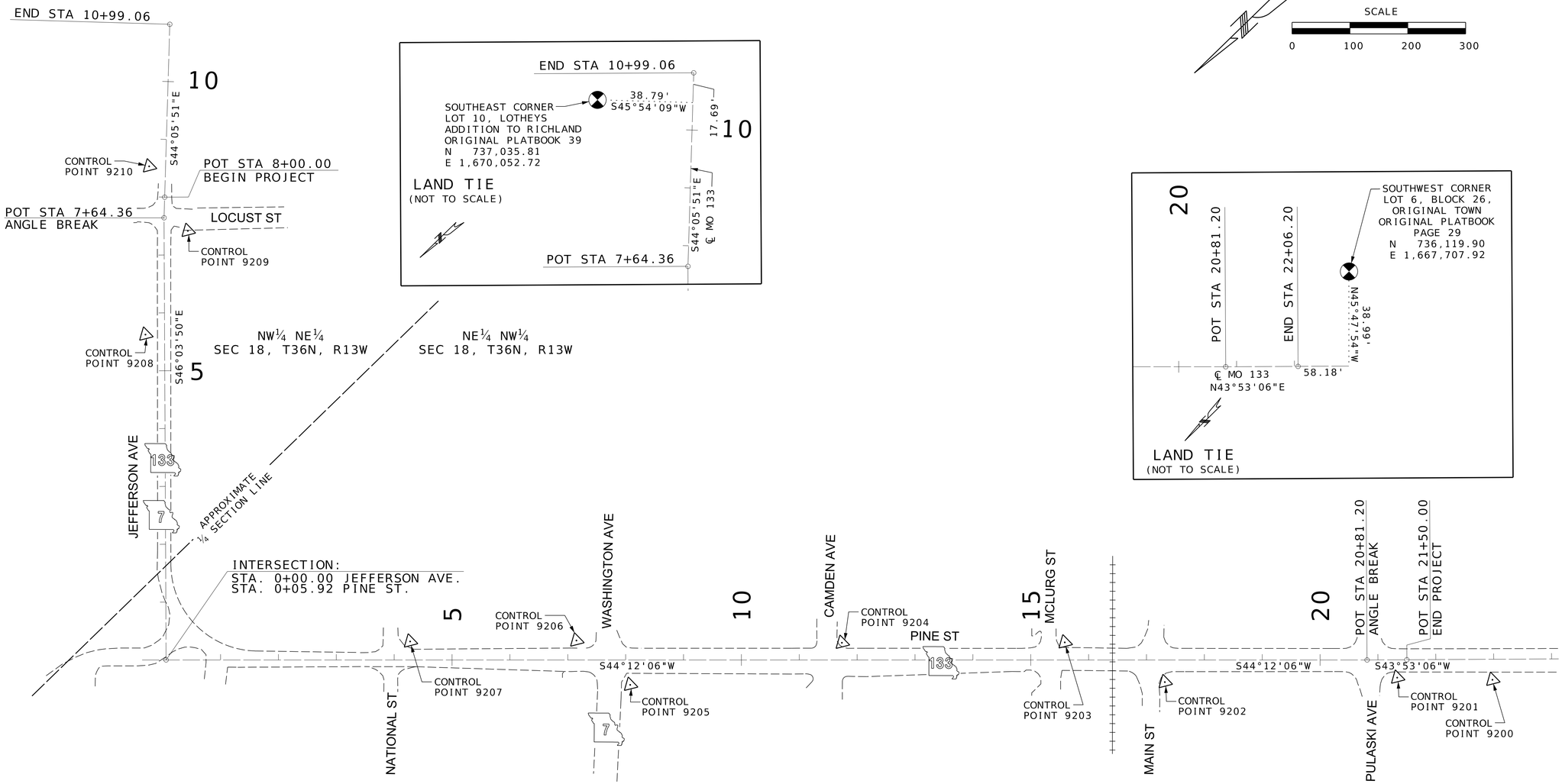
STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 46
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ALIGNMENT DIAGRAM

MO 133 & 7
LOCATION 9 - RICHLAND

PLAN
SHEET 44 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	47

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	[$-#]	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	(S-G#)	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

NOTE:
CURB RAMP GRADES WILL NOT MEET ADA STANDARDS. USE GRADE EXCEPTION, 15 ' MIN. LENGTH RAMPS.

TRANSITION AREAS TO BE CONSTRUCTED TO FIELD CONDITIONS. GRADES MAY OR MAY NOT MEET ADA STANDARDS. EXCEPTIONS REQUIRED.

FOR CULVERT PROFILES, SEE CULVERT SECTION SHEET(S).

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-1	*	*	*
9-2	*	*	*
9-3	7+34.80	34.5' LT	1116.25
9-4	7+39.80	34.5' LT	1116.20
9-5	7+34.63	19.5' LT	1118.98
9-6	7+39.63	19.5' LT	1118.93
9-7	7+34.57	14.5' LT	1119.03
9-8	7+39.57	14.5' LT	1118.98
9-9	7+33.80	11.9' RT	1119.70
9-10	7+38.80	12.0' RT	1119.65
9-11	7+33.82	17.5' RT	1119.76
9-12	7+38.82	17.5' RT	1119.71
9-13	7+33.86	27.5' RT	1120.55
9-14	7+38.86	27.5' RT	1120.50
9-15	*	*	*
9-16	*	*	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 45 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 48
COUNTY VARIES
JOB NO. JCD0214
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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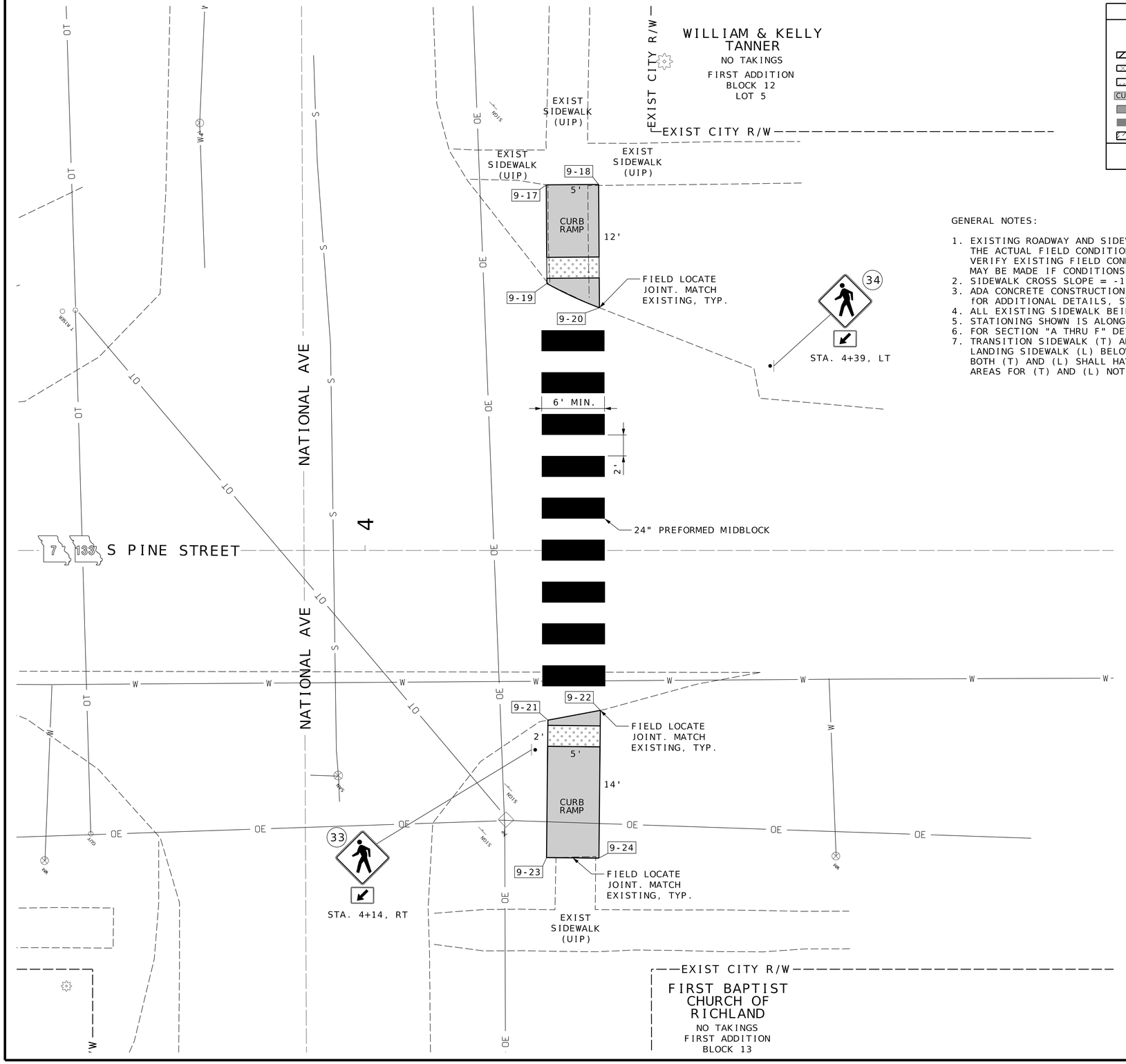
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
	$ TOWN LOCATION	*	MATCH EXISTING
	# POINT LOCATION	**	0" CURB HEIGHT

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. fOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SHALL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

SCALE
0 5 10 15

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
9-17	4+17.30	34.9' LT	*
9-18	4+22.30	35.0' LT	*
9-19	4+17.36	25.5' LT	1042.41
9-20	4+22.38	23.2' LT	1042.31
9-21	4+17.46	16.2' RT	1042.05
9-22	4+22.47	15.3' RT	1042.10
9-23	4+17.33	29.3' RT	*
9-24	4+22.33	29.4' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 46 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 49
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SCALE

0 10 20 30

GENERAL NOTES:

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6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

THE MARIES COUNTY BANK
NO TAKINGS

FIRST ADDITION
BLOCK 12
LOT 5

LARRY & DEBBIE BARANOWSKI
NO TAKINGS

ORIGNAL TOWN
BLOCK 3
LOT 6

EXIST CITY R/W

WASHINGTON AVE

S 44°12'06" W

S PINE STREET (133)

NOTE:
REMOVE EXISTING PAVEMENT MARKINGS.

6' MIN.

2'

24" PREFORMED MIDBLOCK

INSTALL DETECTABLE WARNING PANEL. MATCH SIDEWALK WIDTH.

STORM (DND)

EXIST SIDEWALK (UIP)

(UIP)

EDGE BLDG.

FIRST BAPTIST CHURCH OF RICHLAND
NO TAKINGS

FIRST ADDITION
BLOCK 13

ROCKIN S, LLC.
NO TAKINGS

ORIGNAL TOWN
BLOCK 4
LOT 1

LOT 2

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 47 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	50

COUNTY
VARIES

JOB NO.
JCD0214

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

050_PP_47_Richland_JCD0214_Plan.dgn 4:45:26 PM 5/22/2026

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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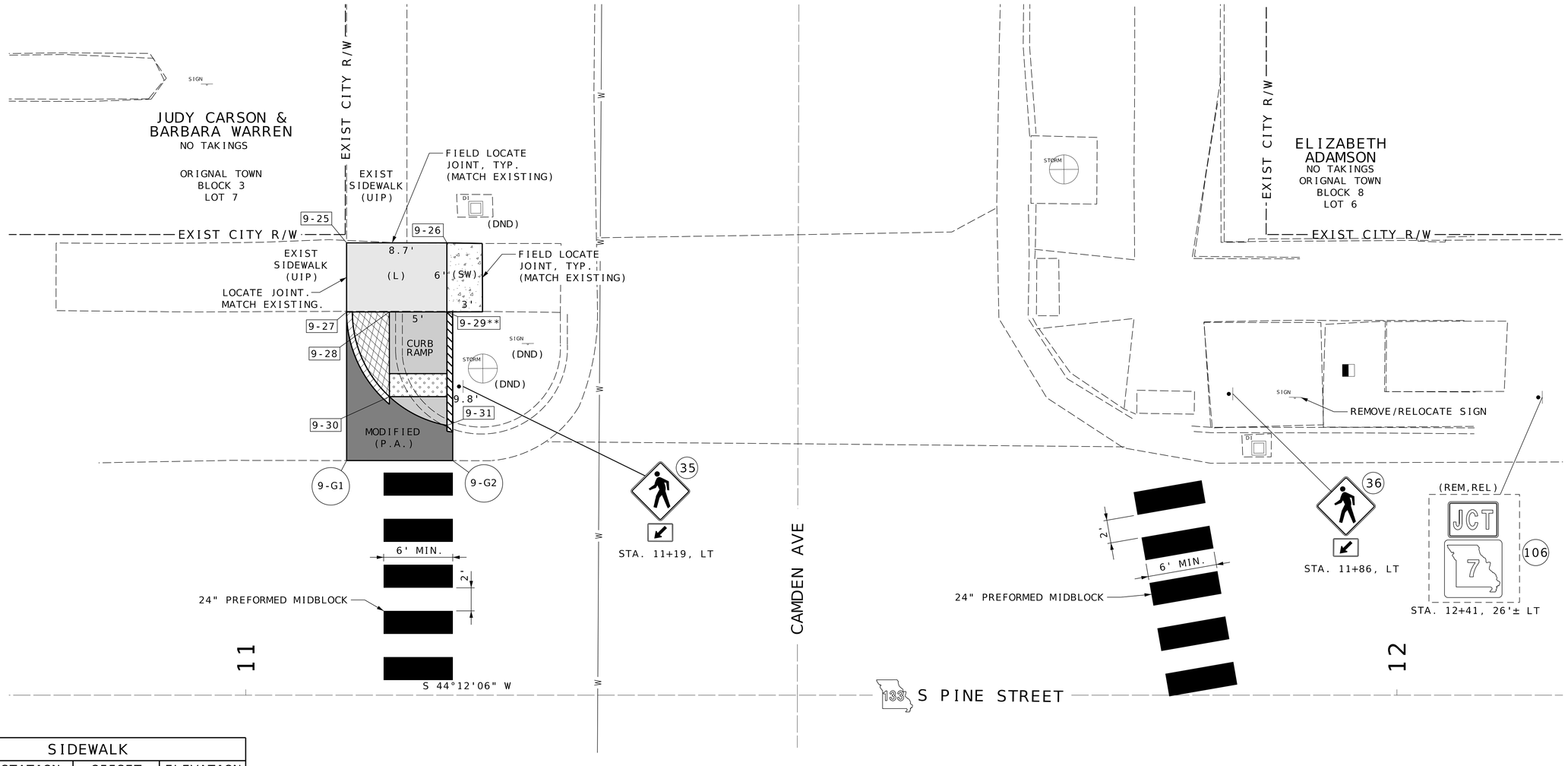
LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT



SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
9-25	11+08.75	39.3' LT	*
9-26	11+17.47	39.3' LT	*
9-27	11+08.76	33.3' LT	*
9-28	11+12.47	33.3' LT	1125.35
9-29	11+17.47	33.3' LT	1125.32
9-30	11+12.48	25.9' LT	1125.77
9-31	11+17.48	23.4' LT	1125.97

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
9-G1	11+08.76	20.4' LT	*
9-G2	11+17.98	20.4' LT	*

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MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 48 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	51

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 5 10 15

GENERAL NOTES:

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-32	11+05.98	26.9' RT	1125.76
9-33	11+12.50	26.9' RT	1125.71
9-34	11+05.98	31.9' RT	1125.81
9-35	11+05.98	34.4' RT	1125.93
9-36	11+05.98	35.4' RT	*
9-37	11+05.97	39.4' RT	*
9-38	11+10.97	39.4' RT	*
9-39	11+10.98	34.4' RT	1125.88
9-40	11+10.98	31.9' RT	1125.77
9-41	11+12.50	31.9' RT	1125.76
9-42	11+21.23	31.9' RT	1125.69

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
9-G5	11+10.50	23.9' RT	*
9-G6	11+12.50	23.9' RT	*
9-G7	11+24.23	31.9' RT	*
9-G8	11+22.13	37.3' RT	*

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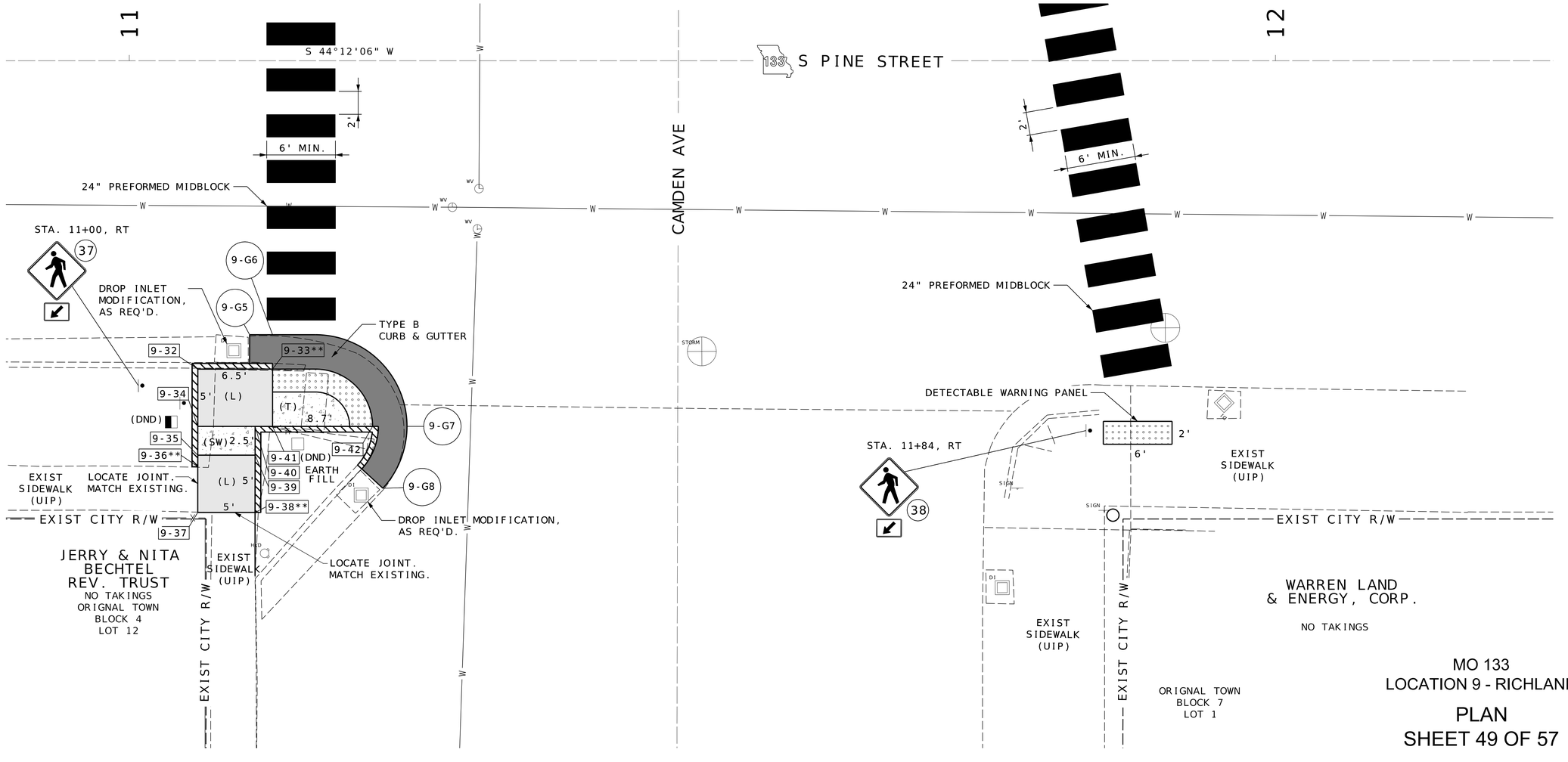

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	52

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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SCALE

0 5 10 15

GENERAL NOTES:

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-43	14+91.71	31.4' LT	*
9-44	14+98.92	31.4' LT	*
9-45	14+91.74	23.2' LT	1135.60
9-46	14+98.96	22.2' LT	1135.60
9-47	15+54.79	34.3' LT	*
9-48	15+59.78	34.3' LT	*
9-49	15+54.77	24.6' LT	1135.80
9-50	15+59.77	22.9' LT	1135.90

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
9-G9	14+87.78	20.0' LT	*
9-G10	14+91.76	20.0' LT	*
9-G11	14+98.97	20.2' LT	*
9-G12	15+07.86	22.1' LT	*
9-G13	15+50.19	24.3' LT	*
9-G14	15+53.24	22.0' LT	*
9-G15	15+59.77	19.8' LT	*
9-G16	15+62.93	19.6' LT	*

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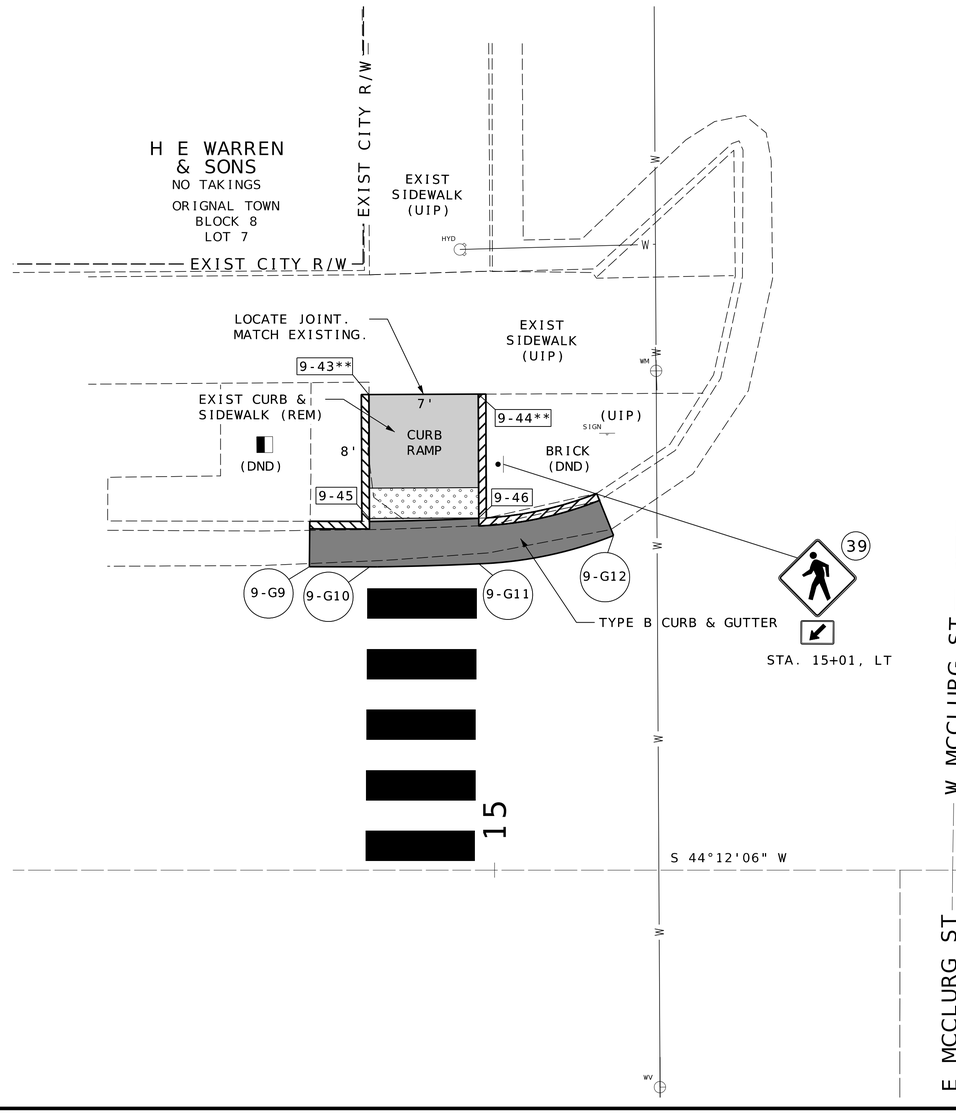

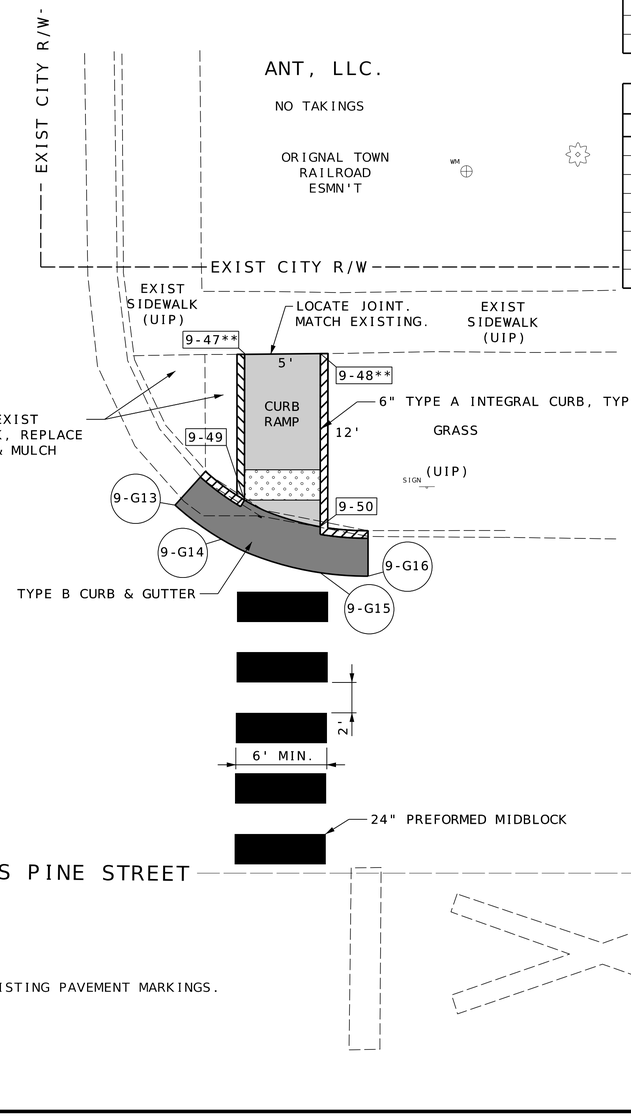

NOTE:
REMOVE EXISTING PAVEMENT MARKINGS.

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 50 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	53

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 5 10 15

GENERAL NOTES:

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LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

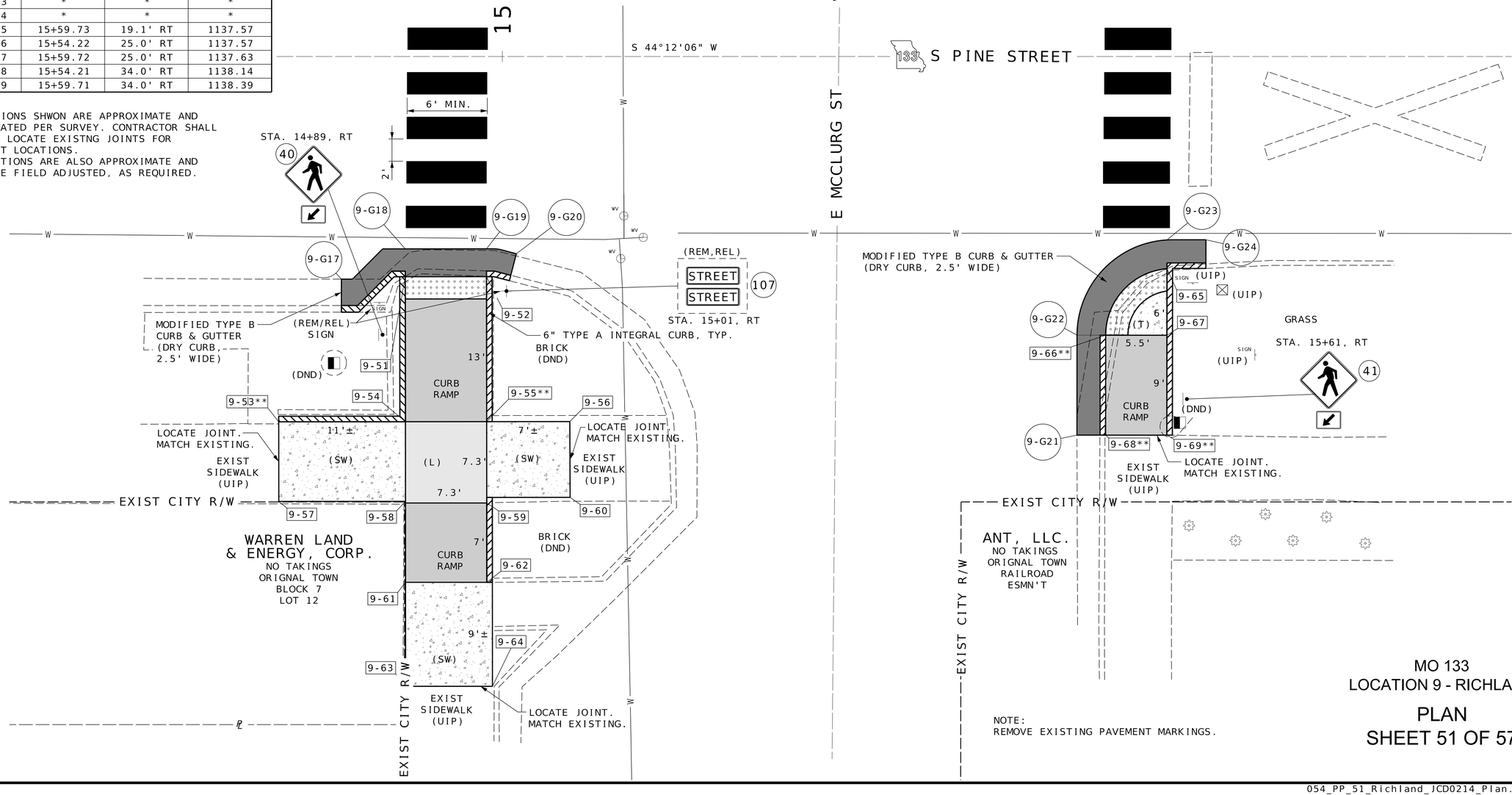
SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-51	14+91.28	19.8' RT	1136.76
9-52	14+98.58	19.8' RT	1136.90
9-53	*	*	*
9-54	14+91.29	32.8' RT	1137.77
9-55	14+98.59	32.8' RT	1137.92
9-56	*	*	*
9-57	*	*	*
9-58	14+91.29	40.0' RT	1137.94
9-59	14+98.59	40.1' RT	1138.07
9-60	*	*	*
9-61	14+91.30	47.2' RT	1138.49
9-62	14+98.60	47.2' RT	1138.40
9-63	*	*	*
9-64	*	*	*
9-65	15+59.73	19.1' RT	1137.57
9-66	15+54.22	25.0' RT	1137.57
9-67	15+59.72	25.0' RT	1137.63
9-68	15+54.21	34.0' RT	1138.14
9-69	15+59.71	34.0' RT	1138.39

NOTE:
LOCATIONS SHWON ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTNG JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
9-G17	14+85.53	20.0' RT	*
9-G18	14+91.28	17.3' RT	*
9-G19	14+98.58	17.3' RT	*
9-G20	15+01.26	17.7' RT	*
9-G21	15+51.64	34.0' RT	*
9-G22	15+51.65	25.0' RT	*
9-G23	15+59.73	16.5' RT	*
9-G24	15+63.23	16.5' RT	*



NOTE:
REMOVE EXISTING PAVEMENT MARKINGS.

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 51 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	54

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

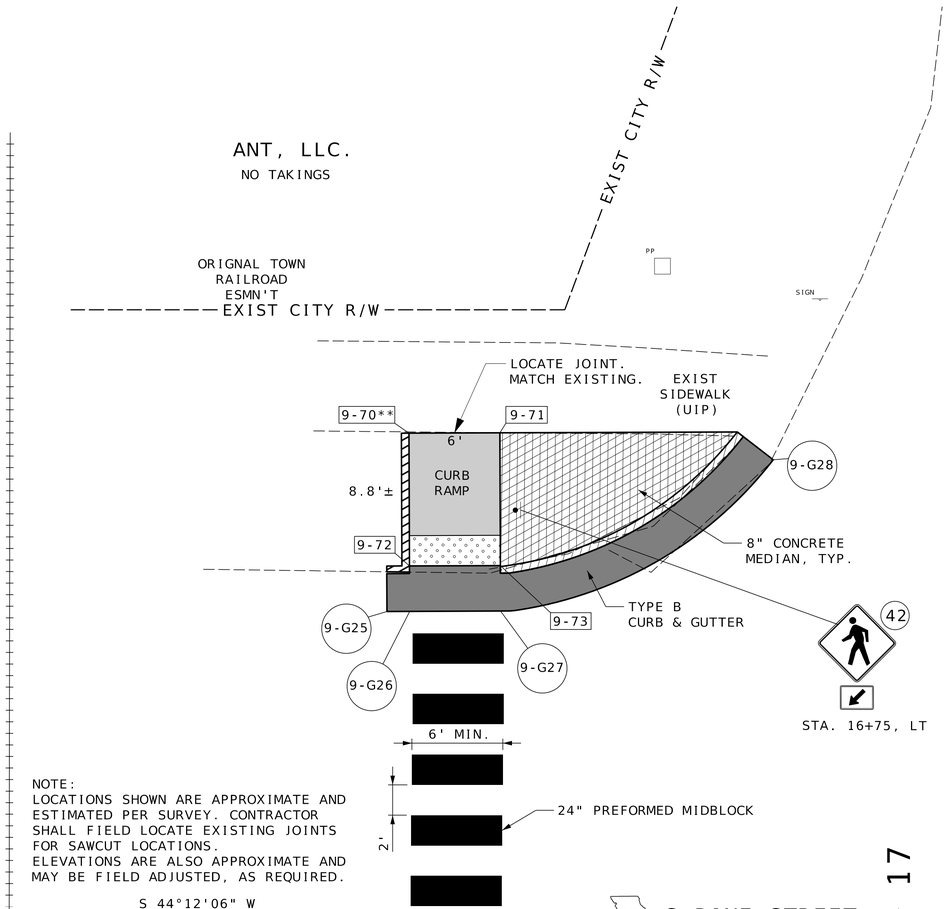
0 5 10 15

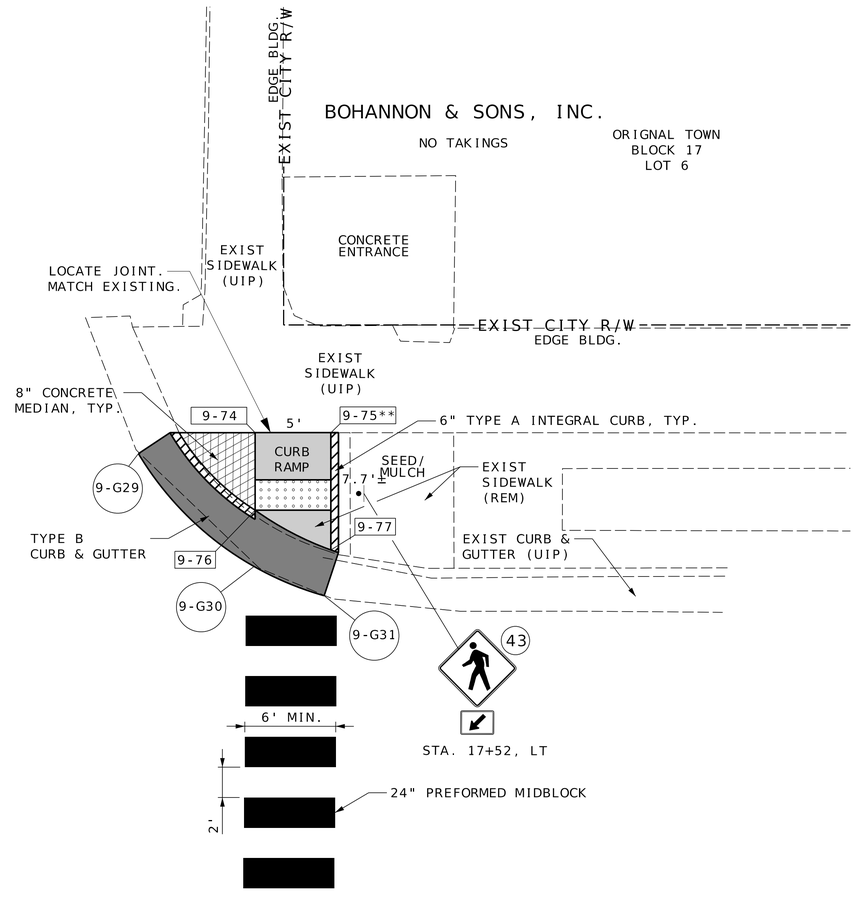
GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. fOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT





SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
9-70	*	*	*
9-71	*	*	*
9-72	16+67.72	23.1' LT	1140.05
9-73	16+73.72	23.1' LT	1139.96
9-74	*	*	*
9-75	*	*	*
9-76	17+41.08	26.8' LT	1139.48
9-77	17+46.08	24.2' LT	1139.61

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
9-G25	16+66.23	20.1' LT	*
9-G26	16+67.73	20.1' LT	*
9-G27	16+73.73	20.1' LT	*
9-G28	16+91.72	30.1' LT	*
9-G29	17+33.38	30.5' LT	*
9-G30	17+41.01	23.1' LT	*
9-G31	17+45.63	21.1' LT	*

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 52 OF 57

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	55

COUNTY
VARIES

JOB NO.
JCD0214

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

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

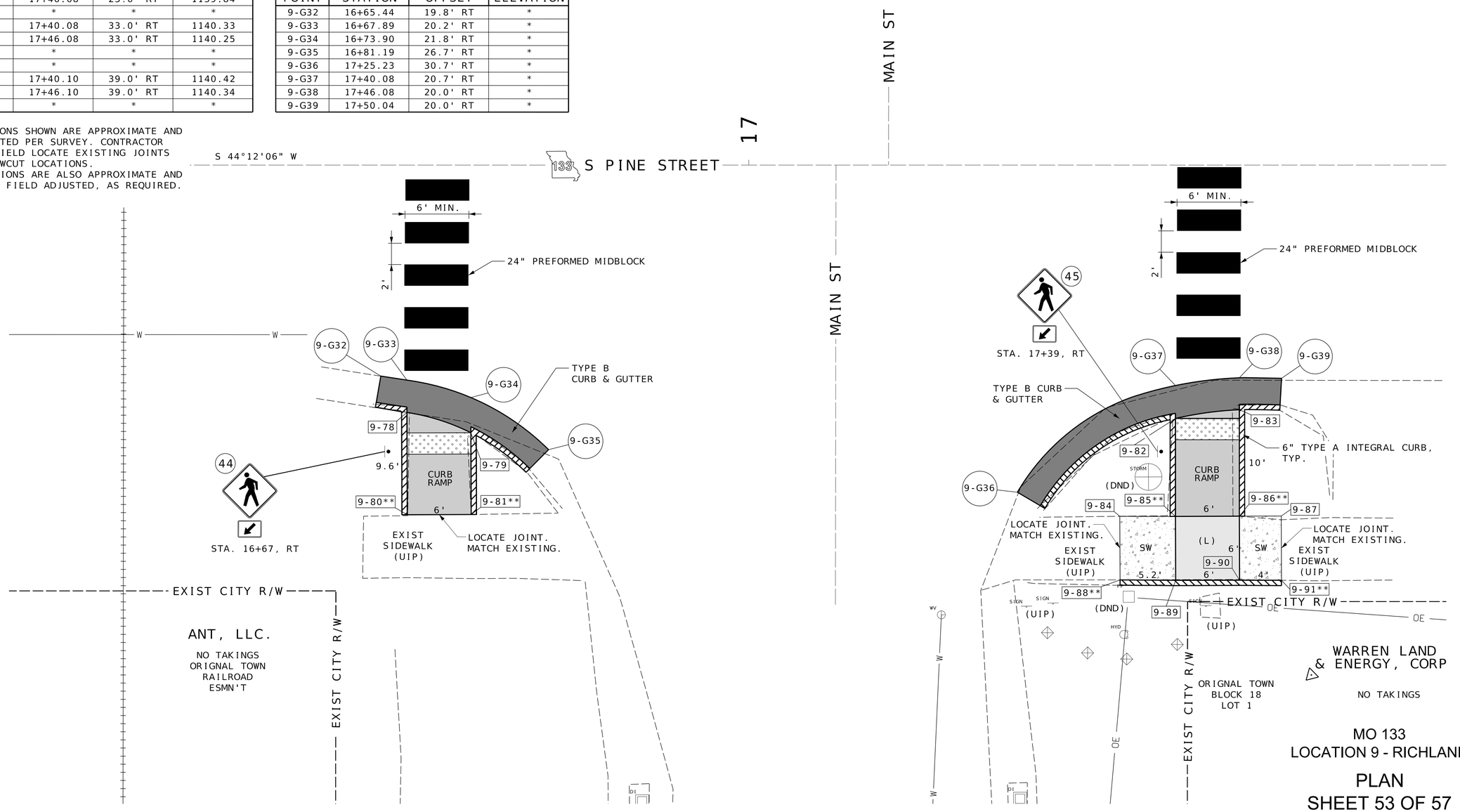
	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
9-78	16+67.89	23.2' RT	1140.55
9-79	16+73.90	25.1' RT	1140.49
9-80	*	*	*
9-81	*	*	*
9-82	17+40.08	23.8' RT	1139.90
9-83	17+46.08	23.0' RT	1139.84
9-84	*	*	*
9-85	17+40.08	33.0' RT	1140.33
9-86	17+46.08	33.0' RT	1140.25
9-87	*	*	*
9-88	*	*	*
9-89	17+40.10	39.0' RT	1140.42
9-90	17+46.10	39.0' RT	1140.34
9-91	*	*	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHAL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

EDGE / GUTTER			
POINT	STATION	OFFSET	ELEVATION
9-G32	16+65.44	19.8' RT	*
9-G33	16+67.89	20.2' RT	*
9-G34	16+73.90	21.8' RT	*
9-G35	16+81.19	26.7' RT	*
9-G36	17+25.23	30.7' RT	*
9-G37	17+40.08	20.7' RT	*
9-G38	17+46.08	20.0' RT	*
9-G39	17+50.04	20.0' RT	*



MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 53 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	56

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182
816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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SCALE

0 5 10 15

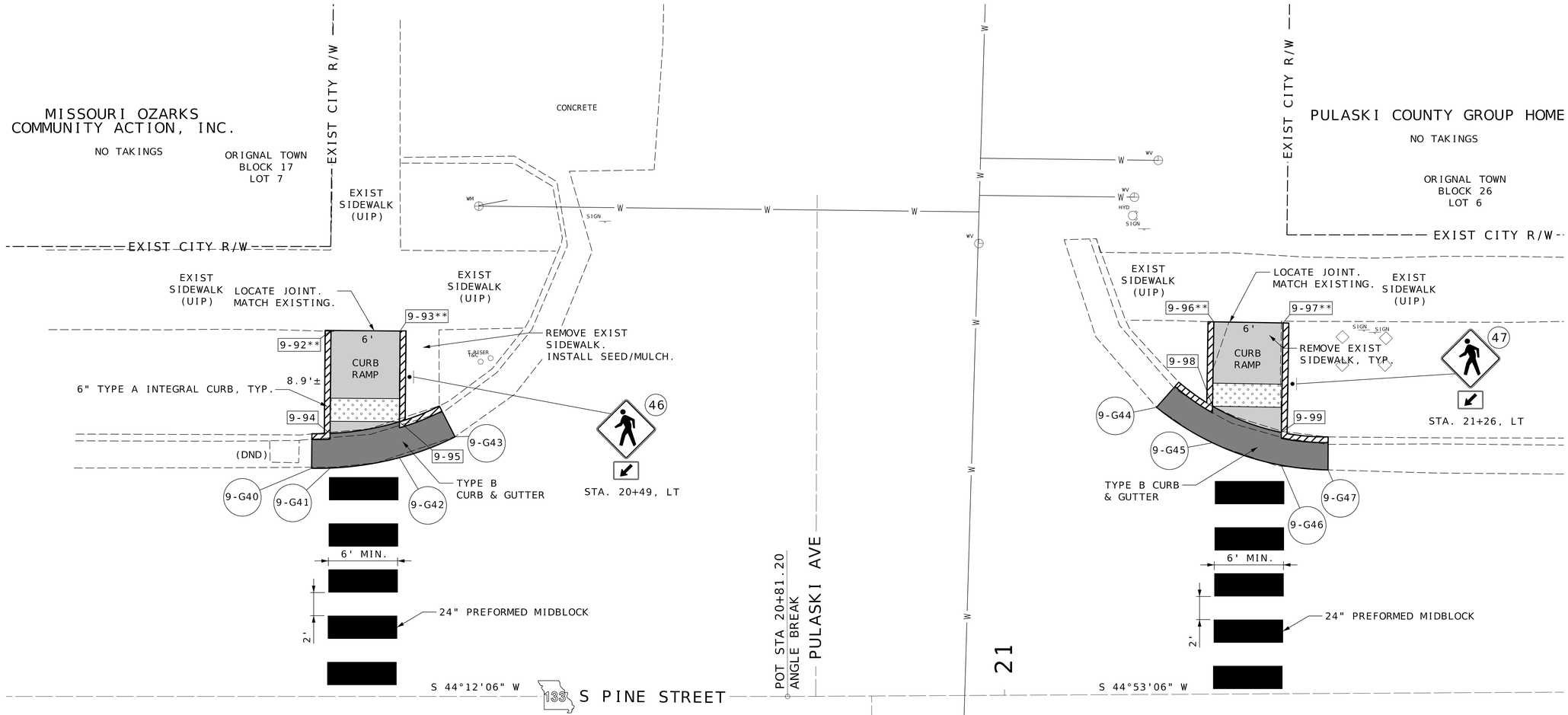
GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE

$ TOWN LOCATION
# POINT LOCATION
* MATCH EXISTING
** 0" CURB HEIGHT



SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-92	*	*	*
9-93	*	*	*
9-94	20+41.56	22.8' LT	1132.14
9-95	20+47.56	23.8' LT	1132.08
9-96	*	*	*
9-97	*	*	*
9-98	21+18.16	24.9' LT	1128.63
9-99	21+24.11	22.6' LT	1128.53

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
9-G40	20+39.95	19.8' LT	*
9-G41	20+41.56	19.8' LT	*
9-G42	20+47.56	20.7' LT	*
9-G43	20+52.38	22.5' LT	*
9-G44	21+13.31	24.9' LT	*
9-G45	21+18.14	21.8' LT	*
9-G46	21+24.10	19.8' LT	*
9-G47	21+28.14	19.4' LT	*

NOTE:
LOCATIONS SHWON ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 54 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	57

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006047

SCALE

0 5 10 15

GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
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4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT

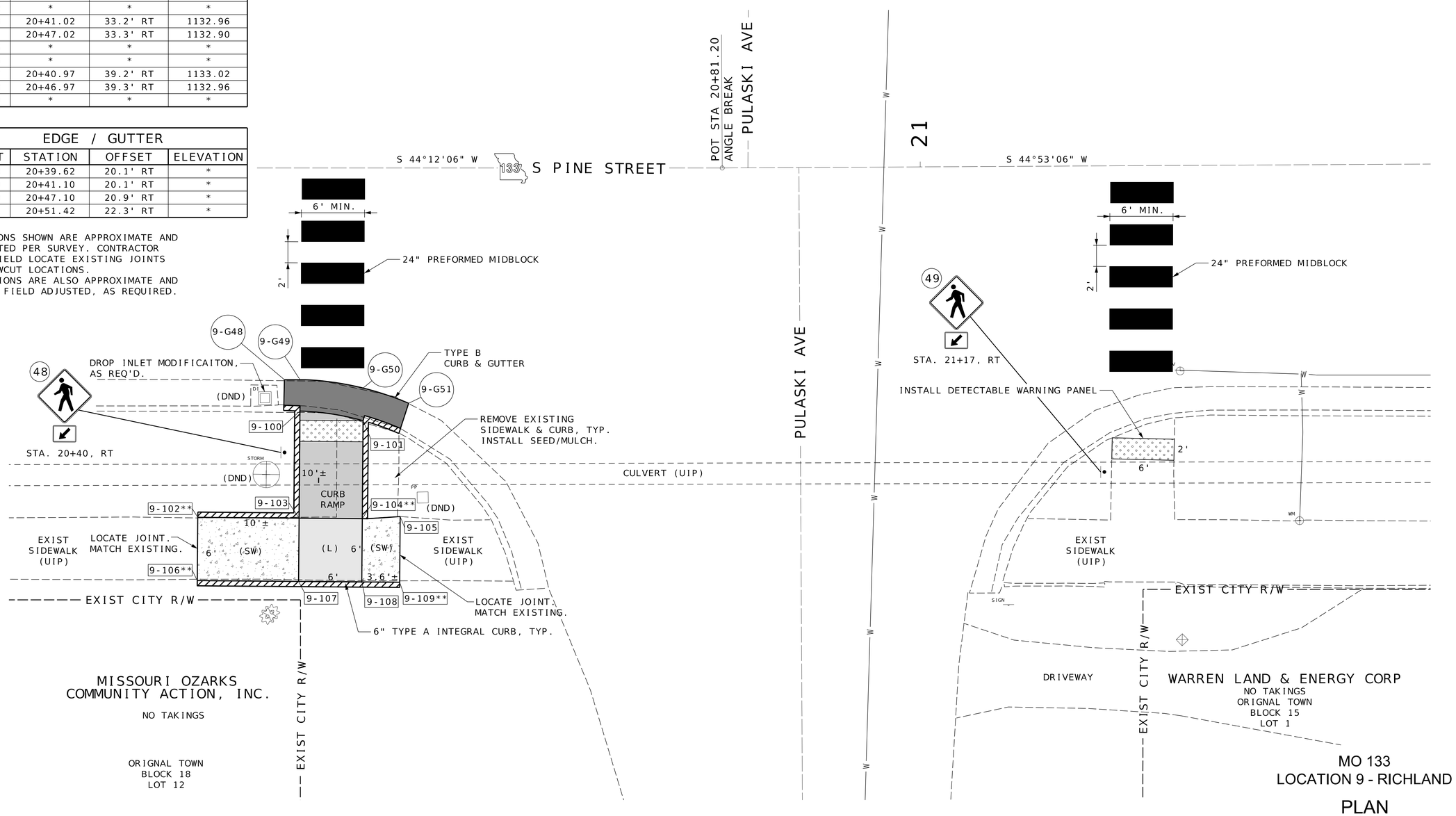
SIDEWALK

POINT	STATION	OFFSET	ELEVATION
9-100	20+41.10	23.1' RT	1132.48
9-101	20+47.10	24.0' RT	1132.41
9-102	*	*	*
9-103	20+41.02	33.2' RT	1132.96
9-104	20+47.02	33.3' RT	1132.90
9-105	*	*	*
9-106	*	*	*
9-107	20+40.97	39.2' RT	1133.02
9-108	20+46.97	39.3' RT	1132.96
9-109	*	*	*

EDGE / GUTTER

POINT	STATION	OFFSET	ELEVATION
9-G48	20+39.62	20.1' RT	*
9-G49	20+41.10	20.1' RT	*
9-G50	20+47.10	20.9' RT	*
9-G51	20+51.42	22.3' RT	*

NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHAL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS. ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.



MO 133
LOCATION 9 - RICHLAND

PLAN
SHEET 55 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

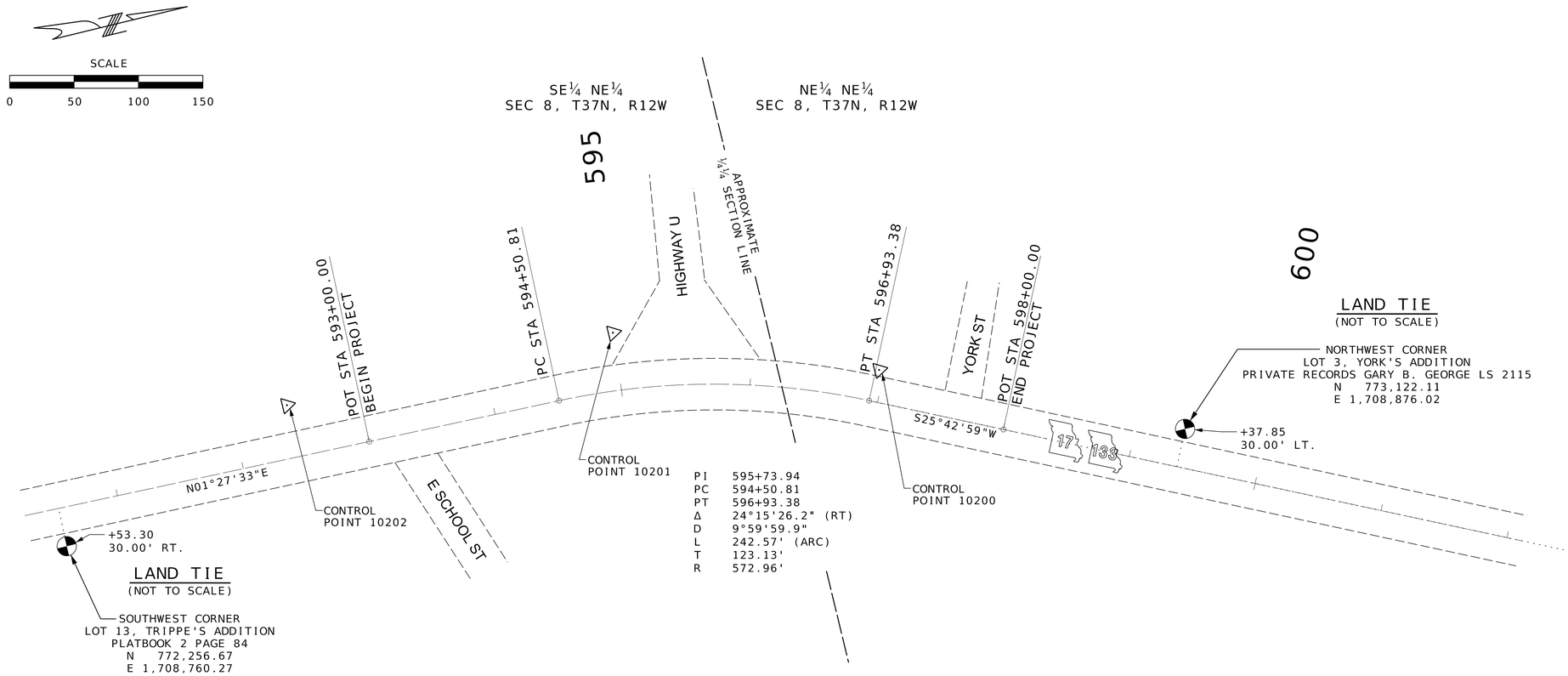
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	58

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



ALIGNMENT DIAGRAM

MO 17 & 133
LOCATION 10 - CROCKER

PLAN
SHEET 56 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	59

COUNTY
VARIES

JOB NO.
JCD0214

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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006947

059_PP_56_Crocker_JCD0214_Plan-Alignment.dgn 4:45:37 PM 5/22/2026

SCALE

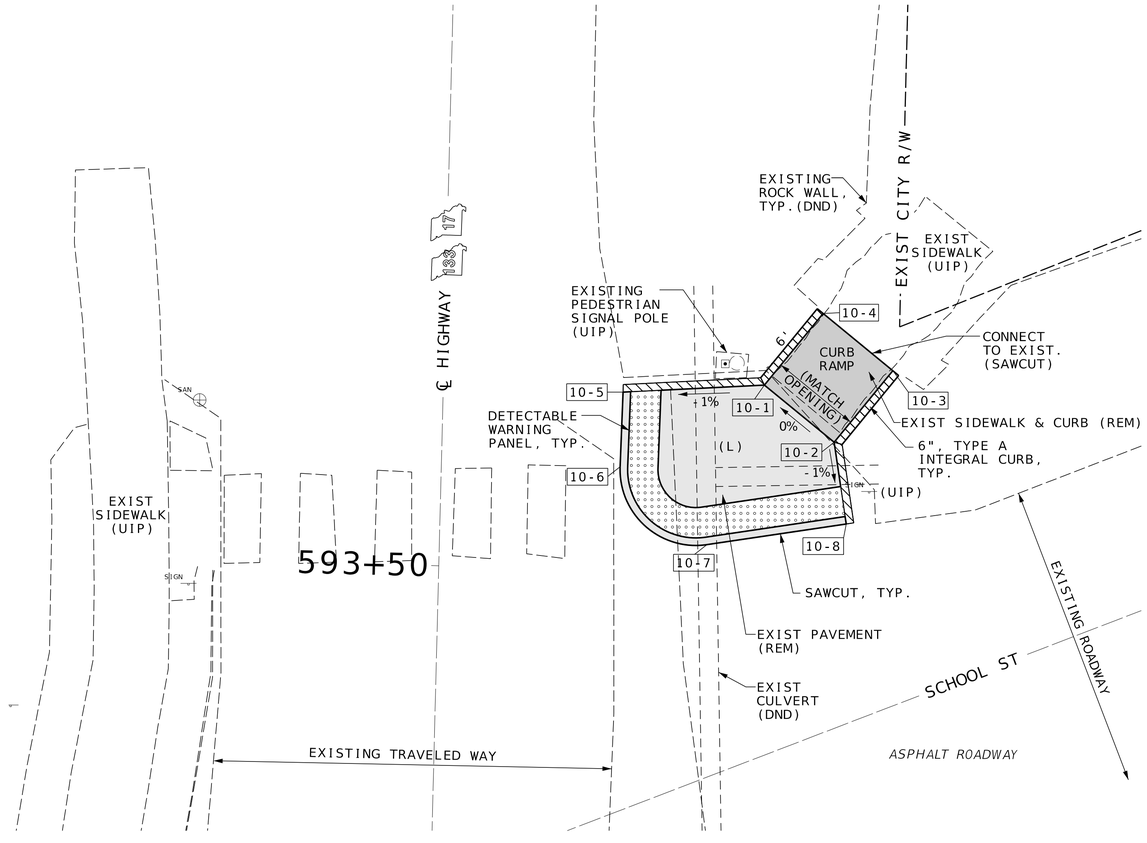
0 5 10 15

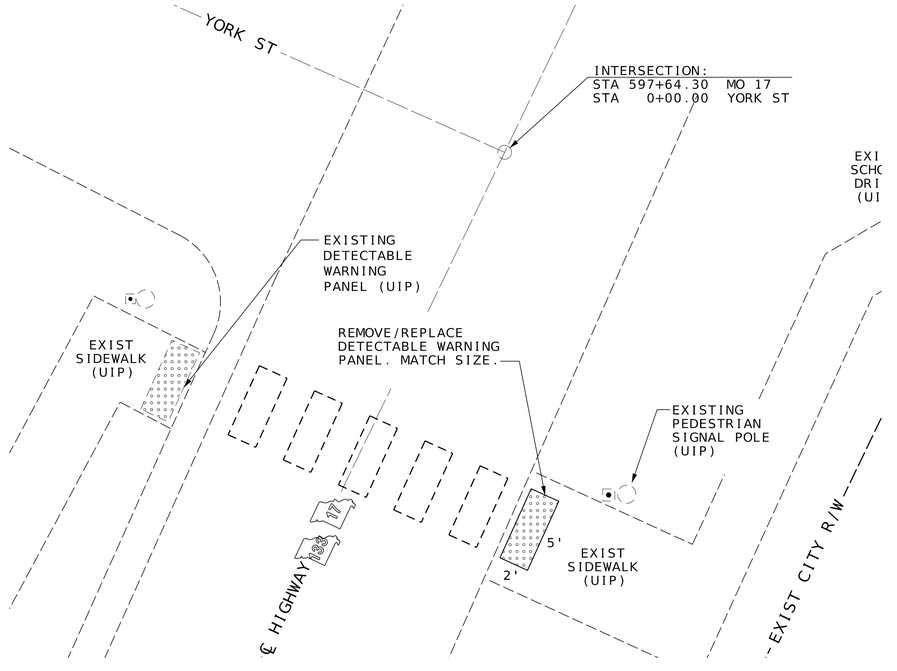
GENERAL NOTES:

1. EXISTING ROADWAY AND SIDEWALK SHOWN IS FROM A FIELD SURVEY (2025). THE ACTUAL FIELD CONDITIONS MAY OR MAY NOT HAVE CHANGED. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. NECESSARY ADJUSTMENTS MAY BE MADE IF CONDITIONS HAVE CHANGED. APPROVAL BY THE ENGINEER IS REQUIARED.
2. SIDEWALK CROSS SLOPE = -1.0% MIN.(-2% MAX.).
3. ADA CONCRETE CONSTRUCTION SHALL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. FOR ADDITIONAL DETAILS, STANDARD PLAN 608.00, 608.30 & 608.50.
4. ALL EXISTING SIDEWALK BEING REPLACED WITHIN THE PROJECT LIMITS SHALL BE REMOVED.
5. STATIONING SHOWN IS ALONG NOTED CENTERLINE HIGHWAY.
6. FOR SECTION "A THRU F" DETAILS, SEE TYPICAL SECTION SHEETS.
7. TRANSITION SIDEWALK (T) ADJACENT TO STREET SHALL BE 7" THICK. LANDING SIDEWALK (L) BELOW CURB RAMP OR ADJACENT TO STREET SAHLL BE 7" THICK. BOTH (T) AND (L) SHALL HAVE 4" AGGREGATE BASE. AREAS FOR (T) AND (L) NOTED ABOVE SHALL BE INCLUDED AND PAID FOR AS CONCRETE CURB RAMP.

LEGEND

	DETECTABLE WARNING PANEL	$-#	SIDEWALK POINT NUMBER
(L)	SIDEWALK LANDING (4",7")	$-G#	GUTTER POINT NUMBER
	TYPE A INTEGRAL CURB		
	CONCRETE MEDIAN/ISLAND		SOD
(SW)	PROPOSED SIDEWALK (4")	(T)	TRANSITION SIDEWALK (7")
CURB RAMP	PROPOSED CURB RAMP (7")	(DND)	DO NOT DISTURB
(PA)	PAVED APPROACH	(UIP)	USE IN PLACE
	CURB & GUTTER (A OR B)	(REL)	RELOCATE
	STEEL PLATE	(REM)	REMOVE
$	TOWN LOCATION	*	MATCH EXISTING
#	POINT LOCATION	**	0" CURB HEIGHT





NOTE:
LOCATIONS SHOWN ARE APPROXIMATE AND ESTIMATED PER SURVEY. CONTRACTOR SHALL FIELD LOCATE EXISTING JOINTS FOR SAWCUT LOCATIONS.
ELEVATIONS ARE ALSO APPROXIMATE AND MAY BE FIELD ADJUSTED, AS REQUIRED.

SIDEWALK			
POINT	STATION	OFFSET	ELEVATION
10-1	593+62.47	21.2' RT	1044.10
10-2	593+58.81	25.9' RT	1044.10
10-3	593+63.63	29.6' RT	1044.5±
10-4	593+67.29	24.9' RT	1044.5±
10-5	593+61.76	11.9' RT	*
10-6	593+56.84	11.8' RT	*
10-7	593+51.84	17.7' RT	*
10-8	593+53.44	26.8' RT	*

MO 17 & 133
LOCATION 10 - CROCKER

PLAN
SHEET 57 OF 57

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	60

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

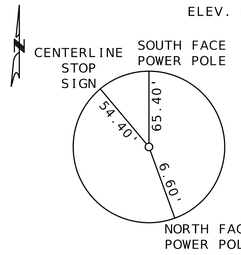
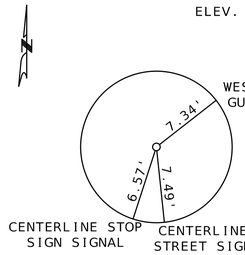
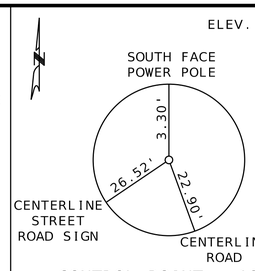
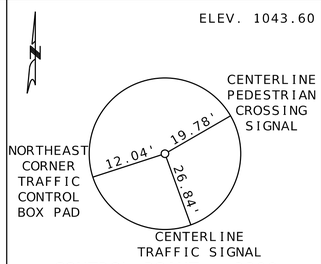
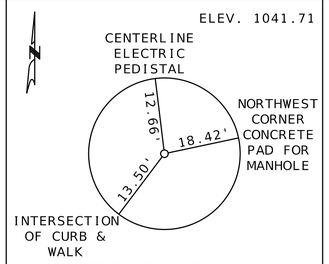
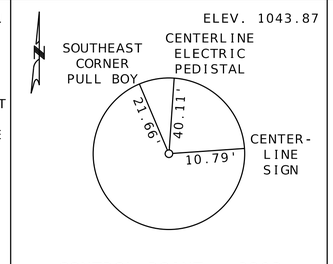
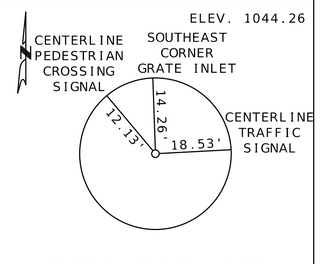
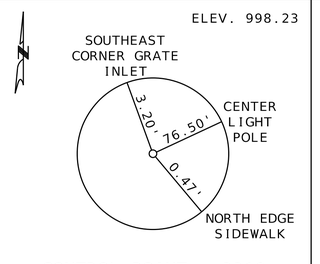
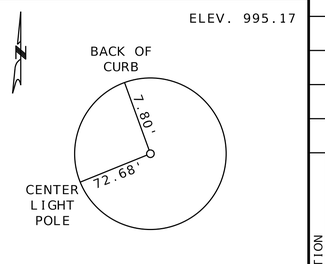
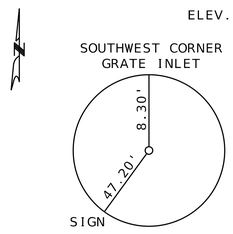
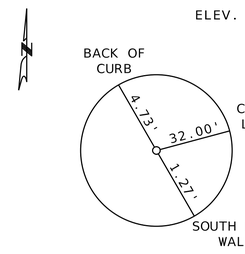
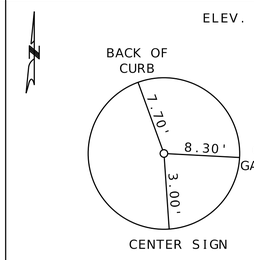
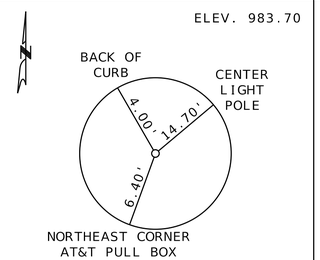
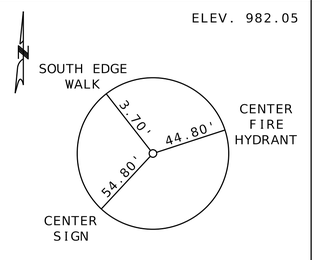
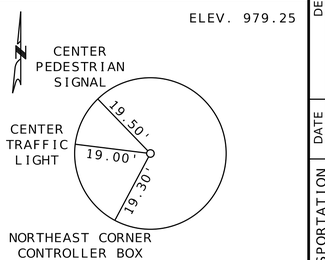
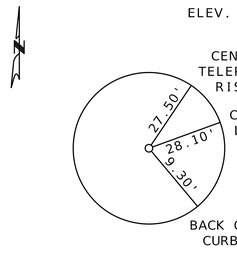
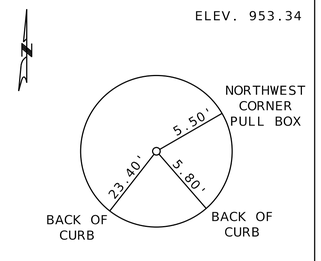
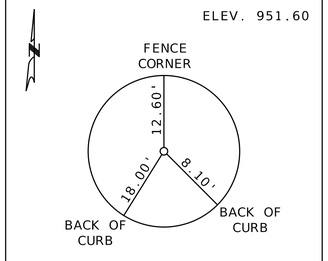
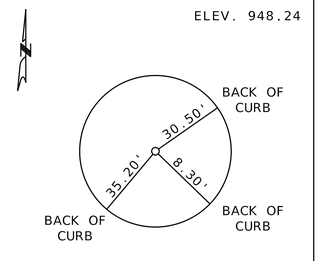
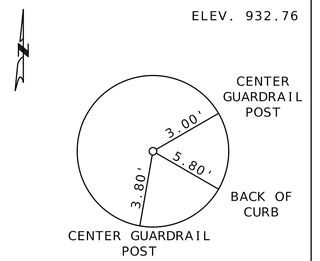
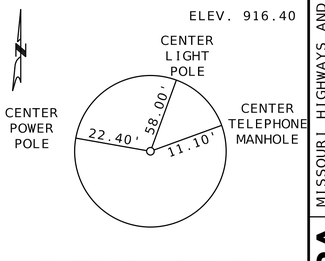
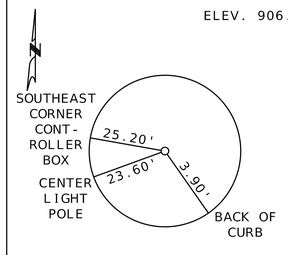
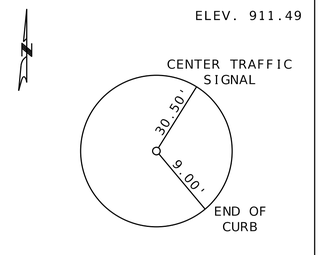
PROJECT NO.

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

LOCATION 1 FULTON ROUTE Z	 CONTROL POINT - 1200 ½IN REBAR	 CONTROL POINT - 1201 ½IN REBAR	 CONTROL POINT - 1202 ½IN REBAR			
LOCATION 2 CAMDENTON US 54	 CONTROL POINT - 2200 ½IN REBAR	 CONTROL POINT - 2201 ½IN REBAR	 CONTROL POINT - 2202 ½IN REBAR	 CONTROL POINT - 2203 ½IN REBAR	 CONTROL POINT - 2210 ½IN REBAR	 CONTROL POINT - 2212 CUT CROSS
LOCATION 2 CAMDENTON US 54	 CONTROL POINT - 2213 CUT CROSS	 CONTROL POINT - 2214 CUT CROSS	 CONTROL POINT - 2215 CUT CROSS	 CONTROL POINT - 2216 CUT CROSS	 CONTROL POINT - 2217 ½IN REBAR	 CONTROL POINT - 2218 ½IN REBAR
LOCATION 2 CAMDENTON US 54	 CONTROL POINT - 2219 CUT CROSS	 CONTROL POINT - 2220 CUT CROSS	 CONTROL POINT - 2221 CUT CROSS	 CONTROL POINT - 2222 CUT CROSS	 CONTROL POINT - 2223 CUT CROSS	 CONTROL POINT - 2224 ½IN REBAR
LOCATION 2 CAMDENTON US 54	 CONTROL POINT - 2225 ½IN REBAR	 CONTROL POINT - 2226 CUT CROSS				ROUTE VARIES LOCATIONS 1 - 2 REFERENCE POINTS SHEET 1 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

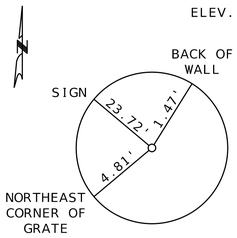
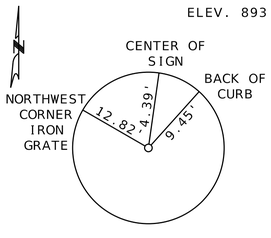
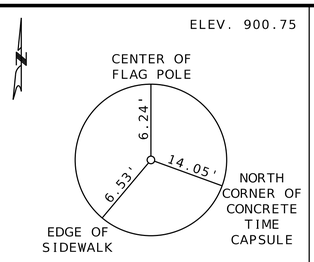
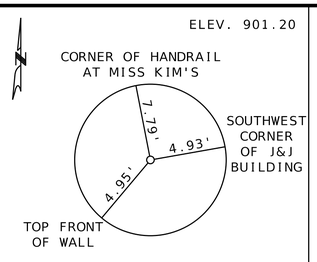
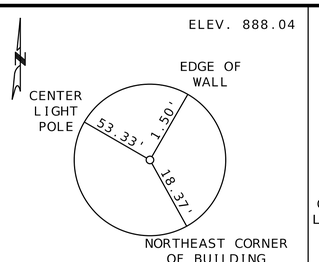
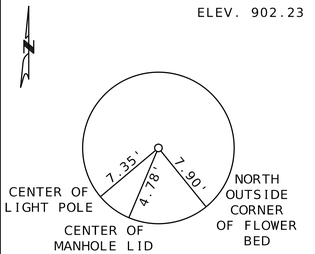
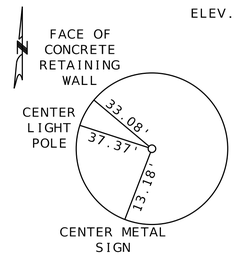
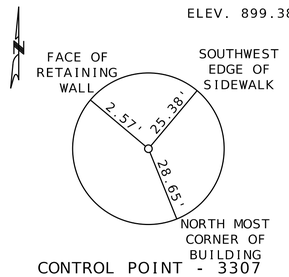
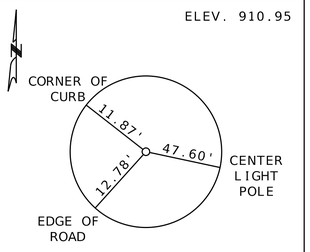
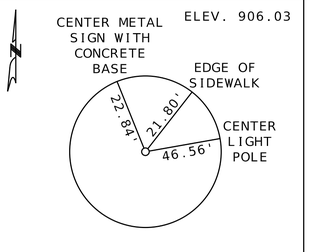
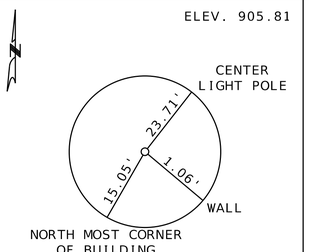
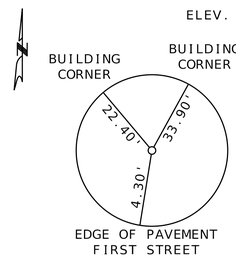
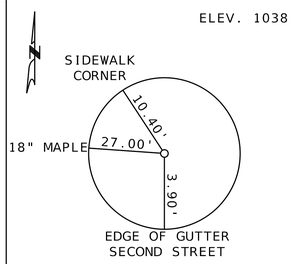
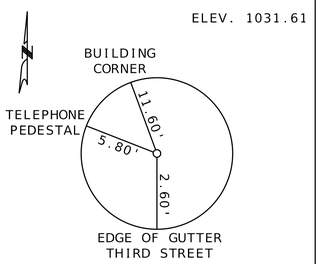
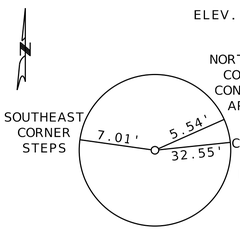
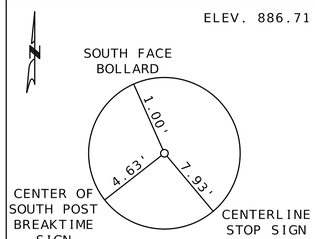
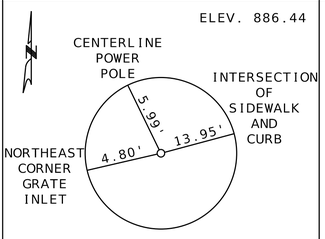
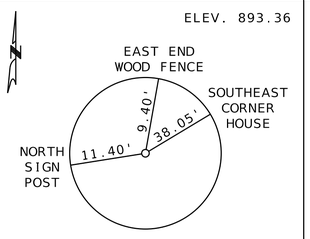
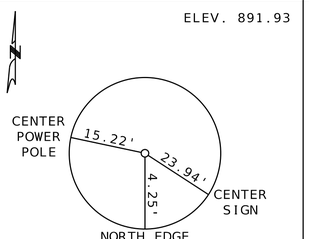
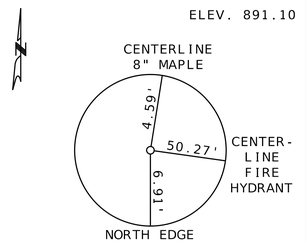
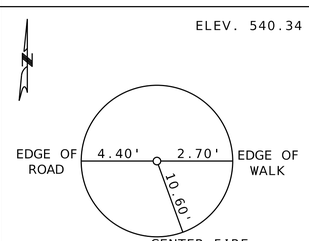
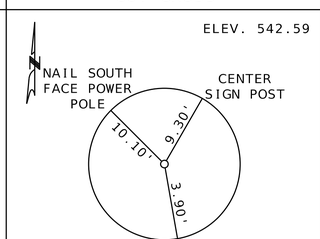
DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	61

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

LOCATION 3 POTOSI MO 8	 CONTROL POINT - 3300 ½IN REBAR	 CONTROL POINT - 3301 ½IN REBAR	 CONTROL POINT - 3302 ½IN REBAR	 CONTROL POINT - 3303 CUT CROSS	 CONTROL POINT - 3304 CUT CROSS	 CONTROL POINT - 3305 MAG NAIL
LOCATION 3 POTOSI MO 8	 CONTROL POINT - 3306 CUT CROSS	 CONTROL POINT - 3307 MAG NAIL	 CONTROL POINT - 3308 MAG NAIL	 CONTROL POINT - 3309 ½IN REBAR	 CONTROL POINT - 3310 ½IN REBAR	
LOCATION 4 BELLE MO 89	 CONTROL POINT - 45000 REBAR WITH CAP	 CONTROL POINT - 45001 REBAR WITH CAP	 CONTROL POINT - 45002 REBAR WITH CAP			
LOCATION 5 CALIFORNIA BUSINESS 50	 CONTROL POINT - 5300 CUT CROSS	 CONTROL POINT - 5301 CUT CROSS	 CONTROL POINT - 5302 CUT CROSS	 CONTROL POINT - 5303 CUT CROSS	 CONTROL POINT - 5304 ½IN REBAR	 CONTROL POINT - 5305 ½IN REBAR
LOCATION 6 CHAMOIS HIGHWAY K	 CONTROL POINT - 61402 ½IN REBAR & CAP	 CONTROL POINT - 61403 ½IN REBAR & CAP				ROUTE VARIES LOCATIONS 3 - 6 REFERENCE POINTS SHEET 2 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	62

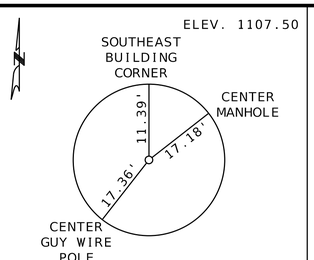
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

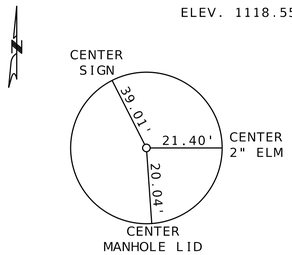
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

LOCATION 7
ROLLA
ROUTE E

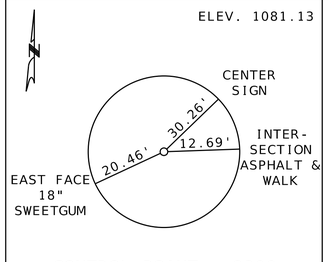


CONTROL POINT - 7312
½IN REBAR

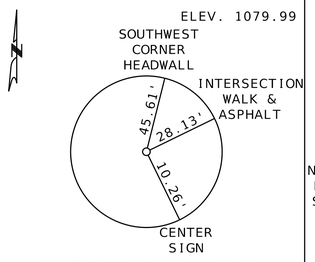


CONTROL POINT - 7331
½IN REBAR

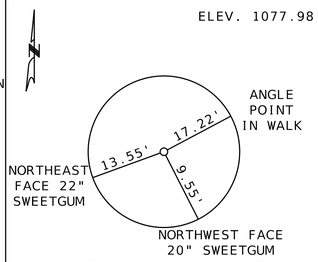
LOCATION 8
ST. JAMES
ROUTE 66



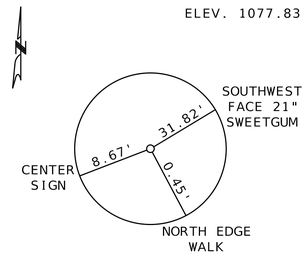
CONTROL POINT - 8200
½IN REBAR



CONTROL POINT - 8201
½IN REBAR

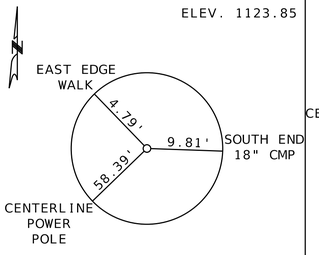


CONTROL POINT - 8202
½IN REBAR

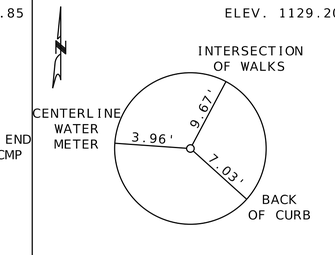


CONTROL POINT - 8203
½IN REBAR

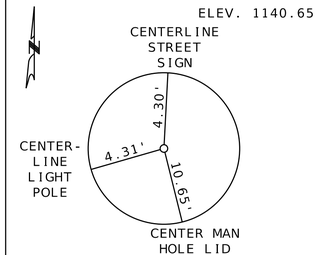
LOCATION 9
RICHLAND
MO 133



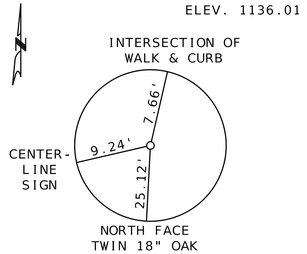
CONTROL POINT - 9200
½IN REBAR



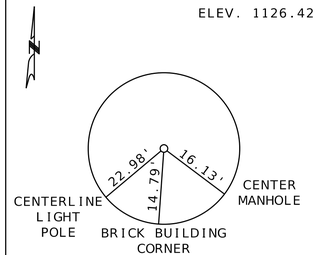
CONTROL POINT - 9201
½IN REBAR



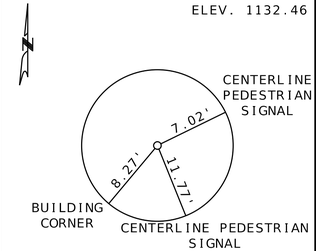
CONTROL POINT - 9202
CUT CROSS



CONTROL POINT - 9203
½IN REBAR

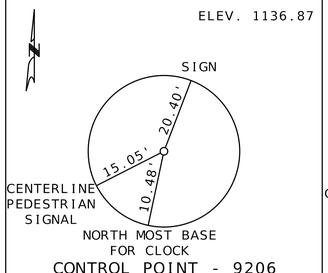


CONTROL POINT - 9204
½IN REBAR

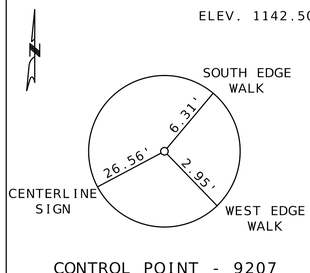


CONTROL POINT - 9205
½IN REBAR

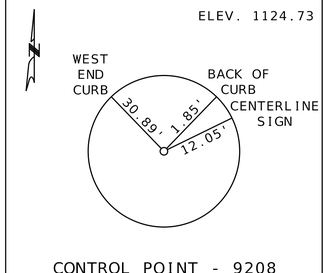
LOCATION 9
RICHLAND
MO 133



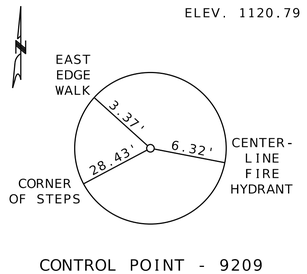
CONTROL POINT - 9206
½IN REBAR



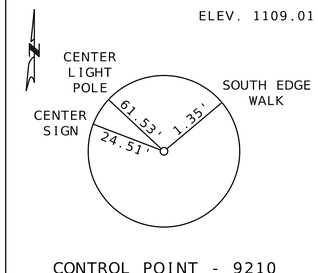
CONTROL POINT - 9207
½IN REBAR



CONTROL POINT - 9208
½IN REBAR

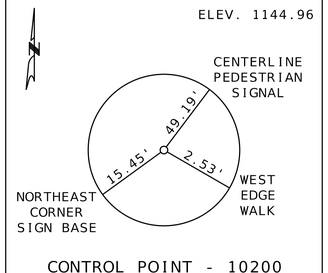


CONTROL POINT - 9209
½IN REBAR

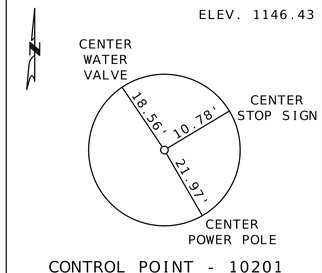


CONTROL POINT - 9210
½IN REBAR

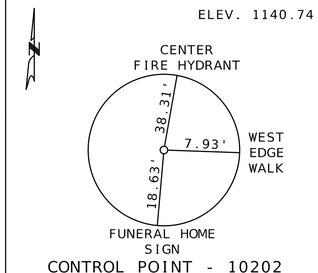
LOCATION 10
CROCKER
MO 17/MO 133



CONTROL POINT - 10200
½IN REBAR



CONTROL POINT - 10201
½IN REBAR



CONTROL POINT - 10202
½IN REBAR

ROUTE VARIES
LOCATIONS 7 - 10

REFERENCE POINTS
SHEET 3 OF 3

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	63

COUNTY
VARIES

JOB NO.
JCD0214

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.
A Kleinfelder Company
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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00007443

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	FULTON 2 RESET
DESIGNATION	FULTON 2 RESET
CORS_ID	
PID	JC1565
LATITUDE	N 38°51'36.99738"
LONGITUDE	W 091°57'08.46566"
NORTHING (M)	336,063.129
EASTING (M)	547,530.963
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99992558

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 #1200
N 1,103,186.353 X 0.99992558 = N 1,103,104.254
E 1,801,202.884 X 0.99992558 = E 1,801,068.838

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
4	23+53.12	RTE Z	24.49' RT	1,103,186.35	1,801,202.89	833.46	1/2 IN REBAR	1200
4	26+16.77	RTE Z	24.24' RT	1,103,305.98	1,801,437.83	827.38	1/2 IN REBAR	1201
4	27+65.14	RTE Z	21.02' LT	1,103,410.05	1,801,552.89	829.16	1/2 IN REBAR	1202
ALIGNMENTS								
4	0+00.00	RTE Z	0.00	1,103,042.29	1,798,880.53		POINT ON TANGENT	
4	12+86.00	RTE Z	0.00	1,102,973.42	1,800,164.69		PC CURVE #1	
4	17+97.75	RTE Z		1,102,946.02	1,800,675.70		PI CURVE #1	
4	22+86.00	RTE Z	0.00	1,103,177.79	1,801,131.95		PT CURVE #1	
4	26+33.50	RTE Z	0.00	1,103,335.17	1,801,441.77		PC CURVE #2	
4	25+50.00	RTE Z	0.00	1,103,297.36	1,801,367.32		BEGIN PROJECT - POINT ON TANGENT	
4	26+50.00	RTE Z	0.00	1,103,342.58	1,801,456.51		END PROJECT - POINT ON TANGENT	
4	31+46.45	RTE Z		1,103,567.55	1,801,899.20		PI CURVE #2	
4	36+35.71	RTE Z	0.00	1,103,539.17	1,802,411.27		PT CURVE #2	
4	47+91.91	RTE Z	0.00	1,103,475.18	1,803,565.70		POINT ON TANGENT	

ROUTE Z
LOCATION 1 - FULTON

COORDINATE POINTS
SHEET 1 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	64

COUNTY: VARIES
JOB NO.: JCD0214
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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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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0001061

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	CAMDENTON
DESIGNATION	CAMDENTON
CORS_ID	
PID	JD2573
LATITUDE	N 38°00'27.72351"
LONGITUDE	W 092°44'43.55986"
NORTHING (M)	241,315.379
EASTING (M)	478,446.665
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99989395

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 #2200
N 791,967.463 X 0.99989395 = N 791,883.475
E 1,570,030.444 X 0.99989395 = E 1,569,863.942

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
7	546+83.55	US 54	58.58' RT	791,967.46	1,570,030.44	1,043.60	1/2 IN REBAR	2200
7	545+16.77	US 54	73.69' RT	792,107.75	1,570,121.89	1,041.71	1/2 IN REBAR	2201
7	545+73.74	US 54	109.26' LT	791,949.70	1,570,230.22	1,043.87	1/2 IN REBAR	2202
7	546+73.27	US 54	65.70' LT	791,898.55	1,570,134.37	1,044.26	1/2 IN REBAR	2203
7	751+48.29	US 54	36.46' LT	794,079.72	1,571,914.14	998.23	1/2 IN REBAR	2210
7	749+95.98	US 54	45.75' LT	794,153.52	1,572,043.90	995.17	CUT CROSS	2212
7	746+91.21	US 54	41.65' LT	794,289.18	1,572,308.68	999.16	CUT CROSS	2213
7	738+91.00	US 54	45.00' LT	794,518.00	1,573,071.70	999.26	CUT CROSS	2214
7	736+74.99	US 54	41.62' LT	794,602.26	1,573,277.48	990.29	CUT CROSS	2215
7	734+65.25	US 54	37.80' LT	794,712.97	1,573,462.25	983.70	CUT CROSS	2216
7	733+45.77	US 54	45.51' LT	794,779.88	1,573,565.64	982.05	1/2 IN REBAR	2217
7	731+44.53	US 54	59.72' LT	794,911.44	1,573,727.96	979.25	1/2 IN REBAR	2218
8	717+71.34	US 54	52.87' RT	796,006.79	1,574,573.08	957.49	CUT CROSS	2219
8	715+15.54	US 54	39.78' RT	796,159.64	1,574,778.61	953.34	CUT CROSS	2220
8	712+25.38	US 54	41.98' RT	796,346.17	1,575,000.88	951.60	CUT CROSS	2221
8	708+51.11	US 54	42.32' RT	796,584.84	1,575,289.18	948.24	CUT CROSS	2222
8	703+75.48	US 54	47.58' RT	796,891.87	1,575,652.47	932.76	CUT CROSS	2223
8	699+38.61	US 54	72.59' RT	797,189.43	1,575,973.31	916.40	1/2 IN REBAR	2224
8	697+28.65	US 54	65.68' RT	797,317.85	1,576,139.56	906.46	1/2 IN REBAR	2225
8	698+30.57	US 54	50.70' LT	797,163.22	1,576,135.13	911.49	CUT CROSS	2226
ALIGNMENTS								
7	548+00.00	US 54	0.00'	791,839.75	1,570,004.29		BEGIN PROJECT #1	
7	545+00.00	US 54	0.00'	792,075.27	1,570,190.12		END PROJECT #1	
7	756+89.54	US 54	0.00'	793,737.40	1,571,502.32		PT CURVE #1	
7	752+00.00	US 54	0.00'	794,078.83	1,571,851.28		BEGIN PROJECT #2	
7	751+19.05	US 54		794,215.85	1,571,879.94		PI CURVE #1	
7	745+09.54	US 54	0.00'	794,387.11	1,572,464.90		PC CURVE #1	
7	739+10.01	US 54	0.00'	794,555.56	1,573,040.28		PT CURVE #2	
7	734+99.45	US 54		794,678.09	1,573,458.81		PI CURVE #2	
7	730+63.34	US 54	0.00'	795,013.07	1,573,738.06		PC CURVE #2	
8	723+45.77	US 54	0.00'	795,564.25	1,574,197.53		PT CURVE #3	
8	720+81.12	US 54		795,768.70	1,574,367.96		PI CURVE #3	
8	718+14.94	US 54	0.00'	795,938.26	1,574,573.15		PC CURVE #3	
8	697+00.00	US 54	0.00'	797,285.47	1,576,203.49		END PROJECT #2	

US 54
LOCATION 2 - CAMDENTON

COORDINATE POINTS
SHEET 2 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	65

COUNTY VARIES
JOB NO. JCD0214
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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PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, EAST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00011085

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	BRENTON 2
DESIGNATION	BRENTON 2
CORS_ID	
PID	HC1060
LATITUDE	N 37°56'44.35205"
LONGITUDE	W 090°45'57.70107"
NORTHING (M)	234,433.750
EASTING (M)	226,618.405
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	0.99988916

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 #300
N 766,244.000 X 0.99988916 = N 766,159.070
E 736,845.474 X 0.99988916 = E 736,763.802

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
20	975+85.67	MO 8	18.58' LT	766,244.00	736,845.47	885.83	1/2 IN REBAR	3300
20	978+85.47	MO 8	18.28' LT	766,037.09	737,062.43	893.20	1/2 IN REBAR	3301
20	981+21.97	MO 8	28.94' LT	765,890.99	737,245.87	900.75	1/2 IN REBAR	3302
20	984+31.43	MO 8	28.49' LT	765,697.99	737,487.76	901.20	CUT CROSS	3303
20	986+01.92	MO 8	22.31' RT	765,552.22	737,590.37	888.04	CUT CROSS	3304
20	993+32.42	MO 8	39.64' LT	765,173.00	738,218.28	902.23	MAG NAIL	3305
20	994+60.33	MO 8	46.94' LT	765,103.83	738,326.12	900.00	CUT CROSS	3306
20	995+47.51	MO 8	49.97' RT	764,974.47	738,339.42	899.38	MAG NAIL	3307
20	1001+24.96	MO 8	33.30' LT	764,697.98	738,853.16	910.95	MAG NAIL	3308
20	1001+81.88	MO 8	44.66' RT	764,601.46	738,852.56	906.03	1/2IN REBAR	3309
20	1003+46.02	MO 8	40.50' RT	764,507.18	738,986.99	905.81	1/2IN REBAR	3310
ALIGNMENTS								
20	976+00.00	MO 8	0.00	766,220.66	736,843.05		POINT ON TANGENT	
20	977+50.00	MO 8	0.00	766,117.25	736,951.70		BEGIN PROJECT - POINT ON TANGENT	
20	979+23.51	MO 8	0.00	765,997.63	737,077.38		PC CURVE #1	
20	980+08.29	MO 8		765,939.18	737,138.79		PI CURVE #1	
20	980+92.95	MO 8	0.00	765,886.40	737,205.14		PT CURVE #1	
20	985+54.18	MO 8	0.00	765,599.27	737,566.09		PC CURVE #2	
20	985+95.79	MO 8		765,572.74	737,599.44		PI CURVE #2	
20	986+37.38	MO 8	0.00	765,548.91	737,632.31		PT CURVE #2	
20	995+45.97	MO 8	0.00	765,015.56	738,367.90		POINT ON TANGENT	
20	1002+00.00	MO 8	0.00	764,626.58	738,893.68		END PROJECT - POINT ON TANGENT	

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	66

COUNTY VARIES
JOB NO. JCD0214
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

MO 8
LOCATION 3 - POTOSI

COORDINATE POINTS
SHEET 3 OF 10

THIS PROJECT IS BASED ON MISSOURI STATE PLANE COORDINATES (SPC) SYSTEM OF 1983 HAVING A PROJECT PROJECTION FACTOR AS SHOWN IN THE "PROJECT COORDINATE INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	STATE PLANE (GRID)
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0000000000

REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	MODOT DRAKE CORS ARP
DESIGNATION	MODOT DRAKE CORS ARP
CORS_ID	MODR
PID	DL6300
LATITUDE	N 38°27'45.47404"
LONGITUDE	W 091°27'54.94362"
NORTHING (M)	292,222.720
EASTING (M)	165758.735
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99998332

LINEAR UNIT CONVERSION
1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	STATE PLANE NORTHING (US SURVEY FT)	STATE PLANE EASTING (US SURVEY FT)	STATE PLANE ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
25	901+27.40	MO 89	113.51' RT	895,101.10	1,863,881.04	1,043.16	CONTROL POINT	45000
25	905+20.74	MO 89	94.47' LT	894,712.64	1,864,098.00	1,038.51	CONTROL POINT	45001
25	909+31.92	MO 89	202.69' LT	894,304.04	1,864,215.62	1,031.61	CONTROL POINT	45002
ALIGNMENTS								
25	901+26.10	MO 89	0.00	895,105.01	1,863,994.49		POINT ON TANGENT	
25	905+00.00	MO 89	0.00	894,731.20	1,864,003.05		BEGIN PROJECT - POINT ON TANGENT	
25	910+00.00	MO 89	0.00	894,231.33	1,864,014.52		END PROJECT - POINT ON TANGENT	
25	913+34.03	MO 89	0.00	893,897.40	1,864,022.20		POINT ON TANGENT	

MO 89
LOCATION 4 - BELLE

COORDINATE POINTS
SHEET 4 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 67
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
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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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00010510

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	CHRISTIAN RESET
DESIGNATION	CHRISTIAN RESET
CORS_ID	
PID	JD2619
LATITUDE	N 38°37'38.57329"
LONGITUDE	W 092°32'51.16621"
NORTHING (M)	310,069.522
EASTING (M)	495,860.007
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99989491

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 #5300
N 1,017,497.479 X 0.99989491 = N 1,017,390.550
E 1,620,958.624 X 0.99989491 = E 1,620,788.277

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
28	362+50.00	BUS 50	27.97' LT	1,017,497.48	1,620,958.62	886.36	CUT CROSS	5300
28	362+98.09	BUS 50	36.32' LT	1,017,501.00	1,621,141.69	886.71	CUT CROSS	5301
28	364+55.77	BUS 50	28.31' RT	1,017,432.11	1,621,297.59	886.44	CUT CROSS	5302
28	369+26.15	BUS 50	26.80' LT	1,017,474.43	1,621,769.30	893.36	CUT CROSS	5303
28	370+51.35	BUS 50	33.99' LT	1,017,478.09	1,621,894.66	891.93	1/2 IN REBAR	5304
28	371+99.77	BUS 50	36.83' LT	1,017,476.76	1,622,043.10	891.10	1/2 IN REBAR	5305
ALIGNMENTS								
28	362+50.00	BUS 50	0.00	1,017,465.94	1,621,092.65		BEGIN PROJECT - POINT ON TANGENT	
28	367+44.40	BUS 50	0.00	1,017,452.75	1,621,586.87		POINT ON TANGENT	
28	370+50.00	BUS 50	0.00	1,017,444.16	1,621,892.35		END PROJECT - POINT ON TANGENT	

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	68

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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BUSINESS 50
LOCATION 5 - CALIFORNIA

COORDINATE POINTS
SHEET 5 OF 10

THIS PROJECT IS BASED ON MISSOURI STATE PLANE COORDINATES (SPC) SYSTEM OF 1983 HAVING A PROJECT PROJECTION FACTOR AS SHOWN IN THE "PROJECT COORDINATE INFORMATION" PORTION OF THIS TABLE

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	STATE PLANE (GRID)
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0000000000

REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	MODOT FULTON CORS ARP
DESIGNATION	MODOT FULTON CORS ARP
CORS_ID	MOFL
PID	DR9484
LATITUDE	N 38°50'57.57724"
LONGITUDE	W 091°58'37.71033"
NORTHING (M)	334,834.994
EASTING (M)	545,386.344
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99992212

LINEAR UNIT CONVERSION
1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	STATE PLANE NORTHING (US SURVEY FT)	STATE PLANE EASTING (US SURVEY FT)	STATE PLANE ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
32	2+35.99	RTE K	53.07' RT	1,035,132.61	1,848,830.02	540.34	1/2 IN REBAR & CAP	61402
32	14+13.26	RTE K	9.80' RT	1,034,397.92	1,848,372.13	542.59	1/2 IN REBAR & CAP	61403
ALIGNMENTS								
32	0+00.00	RTE K	0.00'	1,035,122.87	1,849,071.71		BEGIN PROJECT - POINT ON TANGENT	
32	7+44.79	RTE K	0.00'	1,034,988.85	1,848,339.07		POINT ON TANGENT	
32	13+42.69	RTE K	0.00'	1,034,400.12	1,848,443.34		POINT ON TANGENT	
32	14+00.00	RTE K	0.00'	1,034,390.49	1,848,386.85		END PROJECT	
32	15+17.69	RTE K	0.00'	1,034,370.71	1,848,270.83		POINT ON TANGENT	

ROUTE K
LOCATION 6 - CHAMOIS

COORDINATE POINTS
SHEET 6 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	69

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
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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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0000657

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	PH 45
DESIGNATION	PH 45
CORS_ID	
PID	161045
LATITUDE	N 37°57'57.55920"
LONGITUDE	W 091°45'53.90631"
NORTHING (M)	236,912.218
EASTING (M)	564,585.064
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9999343

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 #7300
N 776.307.615 X 0.9999343 = N 776,256.612
E 1,852,269.944 X 0.9999343 = E 1,852,148.250

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
41	47+66.30	US 63	43.98' RT	772,372.86	1,848,923.61	1,107.50	1/2 IN REBAR	7312
41	44+66.83	US 63	47.37' LT	772,672.06	1,849,015.87	1,118.55	1/2 IN REBAR	7331
ALIGNMENTS								
41	445+69.20	RTE E	0.00	773,956.13	1,847,225.38		BEGIN PROJECT - ROUTE E	
41	452+41.30	RTE E	0.00	773,540.33	1,847,753.43		PC CURVE #11	
41	453+50.00	RTE E	0.00	773,478.09	1,847,842.47		END PROJECT - ROUTE E	
41	453+71.35	RTE E		773,459.88	1,847,855.60		PI CURVE #11	
41	454+99.80	RTE E	0.00	773,409.68	1,847,975.56		PT CURVE #11	

ROUTE E
LOCATION 7 - ROLLA

COORDINATE POINTS
SHEET 7 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	70

COUNTY: VARIES
JOB NO.: JCD0214
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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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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00004020

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	PH-39
DESIGNATION	PH-39
CORS_ID	
PID	161039
LATITUDE	N 37°59'45.18076"
LONGITUDE	W 091°37'12.73116"
NORTHING (M)	240,340.595
EASTING (M)	577,274.637
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9999598

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 #200
N 789,191.151 X 0.9999598 = N 789,159.426
E 1,894,223.047 X 0.9999598 = E 1,894,146.899

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
44	1515+69.13	ROUTE 66	6.12' RT	789,191.15	1,894,223.05	1,081.13	1 IN REBAR	8200
44	1517+42.88	ROUTE 66	4.53' LT	789,290.40	1,894,366.06	1,079.99	1 IN REBAR	8201
44	1522+03.98	ROUTE 66	5.21' LT	789,534.22	1,894,757.37	1,077.98	1 IN REBAR	8202
44	1523+12.92	ROUTE 66	5.72' LT	789,592.15	1,894,849.62	1,077.83	1 IN REBAR	8203
ALIGNMENTS								
44	1514+50.00	ROUTE 66	0.00	789,134.58	1,894,118.03		POINT ON TANGENT	
44	1515+50.00	ROUTE 66	0.00	789,186.46	1,894,203.52		BEGIN PROJECT - POINT ON TANGENT	
44	1517+60.33	ROUTE 66	0.00	789,295.58	1,894,383.33		POINT ON TANGENT	
44	1523+50.00	ROUTE 66	0.00	789,606.87	1,894,884.14		END PROJECT - POINT ON TANGENT	

ROUTE 66
LOCATION 8 - ST. JAMES

COORDINATE POINTS
SHEET 8 OF 10

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
STATE OF MISSOURI
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 71
COUNTY: VARIES
JOB NO.: JCD0214
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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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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0001147

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	LC-044
DESIGNATION	LC-044
CORS_ID	
PID	105044
LATITUDE	N37°51'32.72077"
LONGITUDE	W092°24'37.64355"
NORTHING (M)	224,796.625
EASTING (M)	507,879.323
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998853

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 #9200
N 736,147.719 X 0.9998853 = N 736,063.283
E 1,667,631.346 X 0.9998853 = E 1,667,440.069

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
48	21+50.00	MO 133	114.81' RT	736,147.72	1,667,631.35	1,123.85	1/2IN REBAR	9200
48	21+50.00	MO 133	110.18' RT	736,263.04	1,667,748.68	1,129.20	1/2IN REBAR	9201
48	19+25.69	MO 133	116.51' RT	736,556.31	1,668,023.17	1,140.65	CUT CROSS	9202
48	17+52.84	MO 133	47.90' RT	736,632.39	1,668,192.88	1,136.01	1/2IN REBAR	9203
48	13+67.75	MO 133	48.51' RT	736,908.92	1,668,460.95	1,126.42	1/2IN REBAR	9204
48	10+01.93	MO 133	121.24' RT	737,221.92	1,668,663.88	1,132.46	1/2IN REBAR	9205
48	9+09.05	MO 133	44.64' RT	737,235.10	1,668,783.56	1,136.87	1/2IN REBAR	9206
48	4+27.58	MO 133	31.93' RT	737,442.31	1,668,982.72	1,142.50	1/2IN REBAR	9207
48	5+62.63	MO 133	33.03' LT	737,400.24	1,669,681.91	1,124.73	1/2IN REBAR	9208
48	7+41.58	MO 133	40.96' RT	737,222.79	1,669,759.43	1,120.79	1/2IN REBAR	9209
48	8+52.48	MO 133	28.37' LT	737,192.94	1,669,885.96	1,109.01	1/2IN REBAR	9210
ALIGNMENTS								
48	8+00.00	MO 133	0.00'	737,210.88	1,669,829.06		BEGIN PROJECT - POINT ON TANGENT	
48	7+64.36	MO 133	0.00'	737,236.48	1,669,804.26		POINT ON TANGENT	
48	0+00.00	MO 133	0.00'	737,766.83	1,669,253.83		POINT ON TANGENT - INTERSECTION	
48	20+81.20	MO 133	0.00'	736,279.11	1,667,806.95		POINT ON TANGENT	
48	21+50.00	MO 133	0.00'	736,229.52	1,667,759.26		END PROJECT - POINT ON TANGENT	

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	72

COUNTY: VARIES
JOB NO.: JCD0214
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

MO 133/MO 7
LOCATION 9 - RICHLAND

COORDINATE POINTS
SHEET 9 OF 10

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	MISSOURI STATE PLANE, CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.0001124

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE, 1983
CONTROL STATION	CROCKER
DESIGNATION	CROCKER
CORS_ID	
PID	HD1074
LATITUDE	N 37°57'52.74252"
LONGITUDE	W 092°15'28.56956"
NORTHING (M)	236536.494
EASTING (M)	521269.877
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998876

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 #10200
N 772,901.975 X 0.9998876 = N 772,815.101
E 1,708,775.635 X 0.9998876 = E 1,708,583.569

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (US FT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
60	596+95.96	MO17/133	24.92' LT	772,901.98	1,708,775.64	1,144.96	1/2 IN REBAR	10200
60	594+98.43	MO17/133	44.91' LT	772,707.85	1,708,699.02	1,146.43	1/2 IN REBAR	10201
60	592+43.47	MO17/133	41.01' LT	772,448.58	1,708,694.13	1,140.74	1/2 IN REBAR	10202
ALIGNMENTS								
60	590+72.64	MO 17/133	0.00'	772,276.77	1,708,730.77		POINT ON TANGENT	
60	593+00.00	MO 17/133	0.00'	772,504.05	1,708,736.56		BEGIN PROJECT	
60	594+50.81	MO 17/133	0.00'	772,654.81	1,708,740.40		PC CURVE #1	
60	595+73.94	MO 17/133	0.00'	772,777.91	1,708,743.54		PI CURVE #1	
60	596+93.38	MO 17/133	0.00'	772,888.84	1,708,796.97		PT CURVE #1	
60	598+00.00	MO 17/133	0.00'	772,984.90	1,708,843.23		END PROJECT	

MO 17/MO 133
LOCATION 10 - CROCKER

COORDINATE POINTS
SHEET 10 OF 10

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	73

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

WO20-1

(2)

WO3-5

(3)

R2-1
(REDUCED SPEED)

(4)

WO20-4

(7)

WO20-7a

(8)

WO20-3

(20)

WO20-3 & W016-2

(20A)

WO21-5

(21)

R2-1
(NORMAL SPEED)

(25)

GO20-2

(26)

R11-2

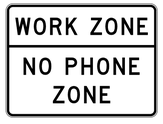
(29)

R11-4

(30)

GO20-5aP

(54)



CONST-8

(70)

R9-9

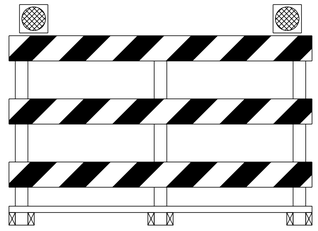
(80)

R9-11L

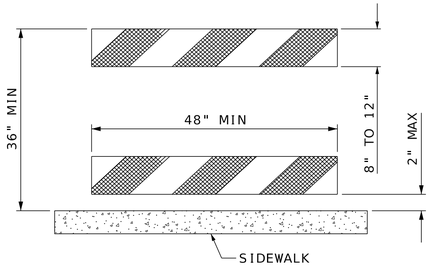
(81)

R9-11R

(82)



TYPE III MOVABLE BARRICADE
WITH SEQUENTAIL FLASHING
WARNING LIGHTS



DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE

TRAFFIC CONTROL LEGEND

- PROPOSED SIGN (SINGLE SIDED)
- EXISTING SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM LINE)
- 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

NOTES:

ANY EXISTING WARNING OR REGULATORY SIGNS (NOT SHOWN) THAT INTEREFERE WITH THE TRAFFIC CONTROL SIGNING SHALL BE REMOVED OR COMPLETELY COVERED.

ALL TRAFFIC CONTROL SIGNS ARE TO BE NON-PORTABLE UNLESS NOTED OTHERWISE.

MODIFICATIONS TO EXISTING SIGN LEGENDS MAY INCLUDE REMOVAL, COVERING AND UNCOVERING OF LEGENDS. NO DIRECT PAY WILL BE MADE FOR THE LABOR OR MATERIALS REQUIRED TO MAKE THESE MODIFICATIONS.

ALL SPACING AND DISTANCES SHOWN ARE APPROXIMATE. DISTANCES MAY BE ADJUSTED BY THE ENGINEER TO ACCOMODATE SPECIFIC FIELD CONDITIONS.

SEE STANDARD PLAN DRAWINGS 616.10, 903.02, AND 903.03 FOR ADDITIONAL DETAILS REGARDING TRAFFIC CONTROL AND HIGHWAY SIGNING.

ALL RELOCATED TRAFFIC SIGNS ARE TO BE NON-PORTABLE UNLESS NOTED OTHERWISE. EXISTING POST(S) & MOUNTINGS MAY BE USED FOR TEMPORARY SIGN RELOCATIONS. NO DIRECT PAY FOR RELOCATING TRAFFIC SIGNS AND DEVICES.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS. WHEN USED, NO ADDITIONAL PAYMENT SHALL BE MADE FOR ARROW PANELS.

FLAGGING OPERATIONS SHALL BE DAYLIGHT ONLY.

TRAFFIC CONTROL QUANTITIES ASSUMES CONTRACTOR SHALL WORK IN ONE LOCATION AT A TIME. IF CONTRACTOR HAS MULTIPLE CREWS WORKING AT DIFFERENT LOCATIONS AND/OR CITIES, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ADDITIONAL TRAFFIC CONTROL SIGNS AND DEVICES. NO DIRECT PAY.

ALL MOVEABLE BARRICADES SHALL HAVE TWO (2) SEQUENTIAL FLASHING WARNING LIGHTS ON TOP RAIL.

SIGN DETAILS

TRAFFIC CONTROL SHEETS
SHEET 1 OF 4

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	74

COUNTY: VARIES

JOB NO.: JCD0214

CONTRACT ID.:

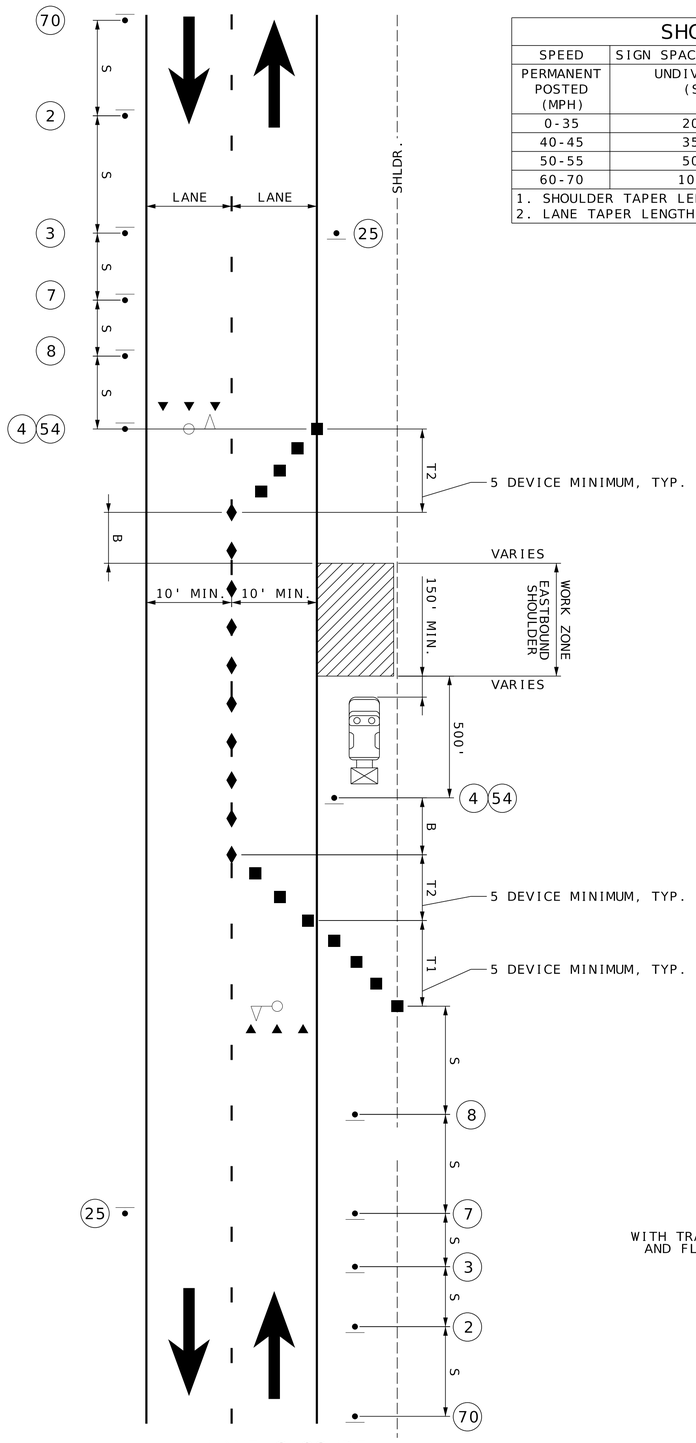
PROJECT NO.:

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



LANE CLOSURE
PAVED APPROACH OR SHOULDER CONSTRUCTION

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.

PROTECTIVE VEHICLE (REQUIRED)
WITH TRAILER MOUNTED ATTENUATOR (TMA) (OPTIONAL)
AND FLASHING ARROW PANNEL (F.A.P.) (OPTIONAL)

CHANNELIZERS

3-2-1 CONE PROCEDURE

FLAGGER

NOT TO SCALE. FOLLOW DIMENSIONS.

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

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
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	75

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

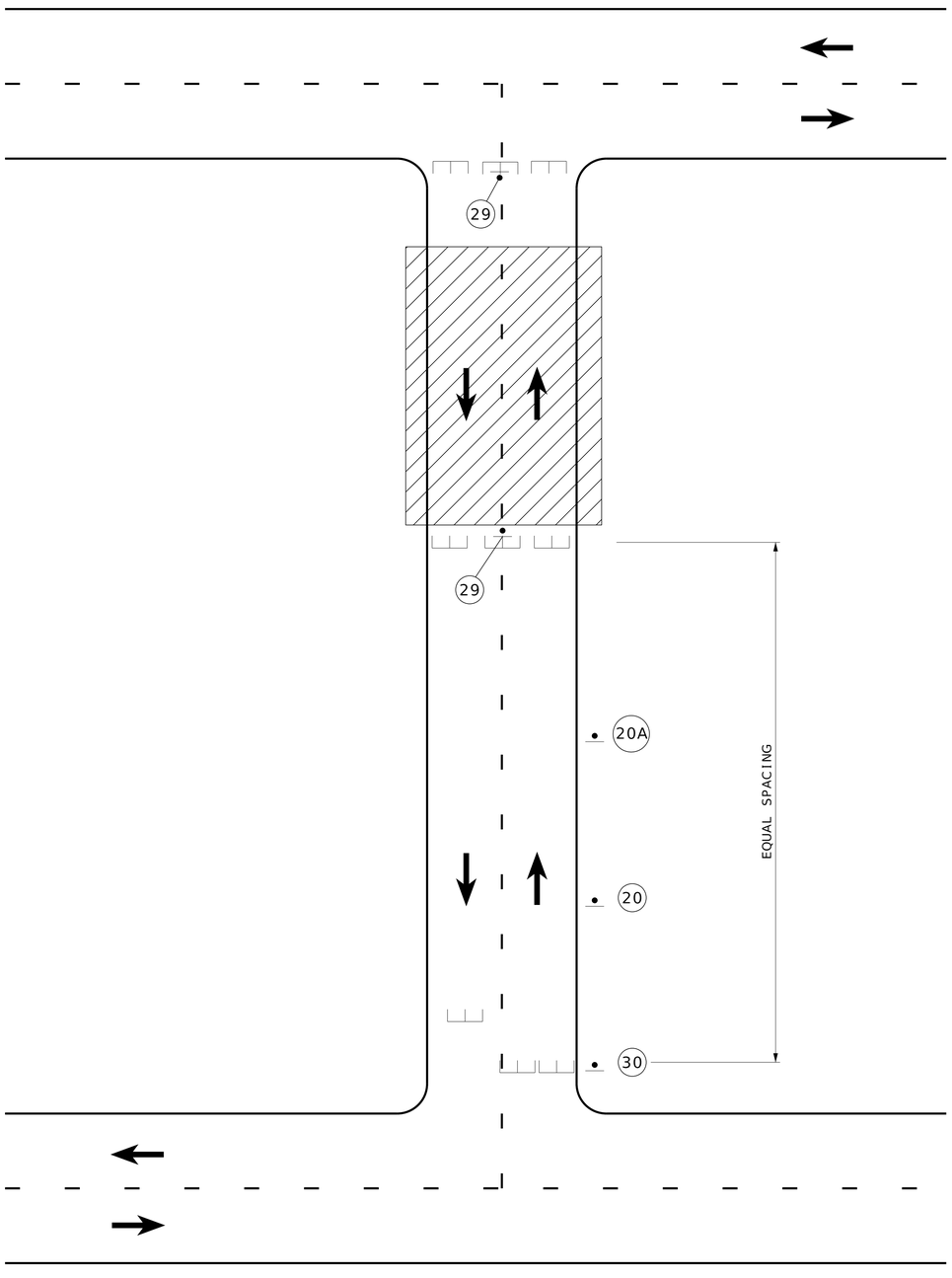
PROJECT NO.

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



SIDE STREET CLOSURE

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

NOT TO SCALE. FOLLOW DIMENSIONS.

SIDE STREET CLOSURE

TRAFFIC CONTROL SHEETS
SHEET 3 OF 4

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	76

COUNTY: VARIES
JOB NO.: JCD0214
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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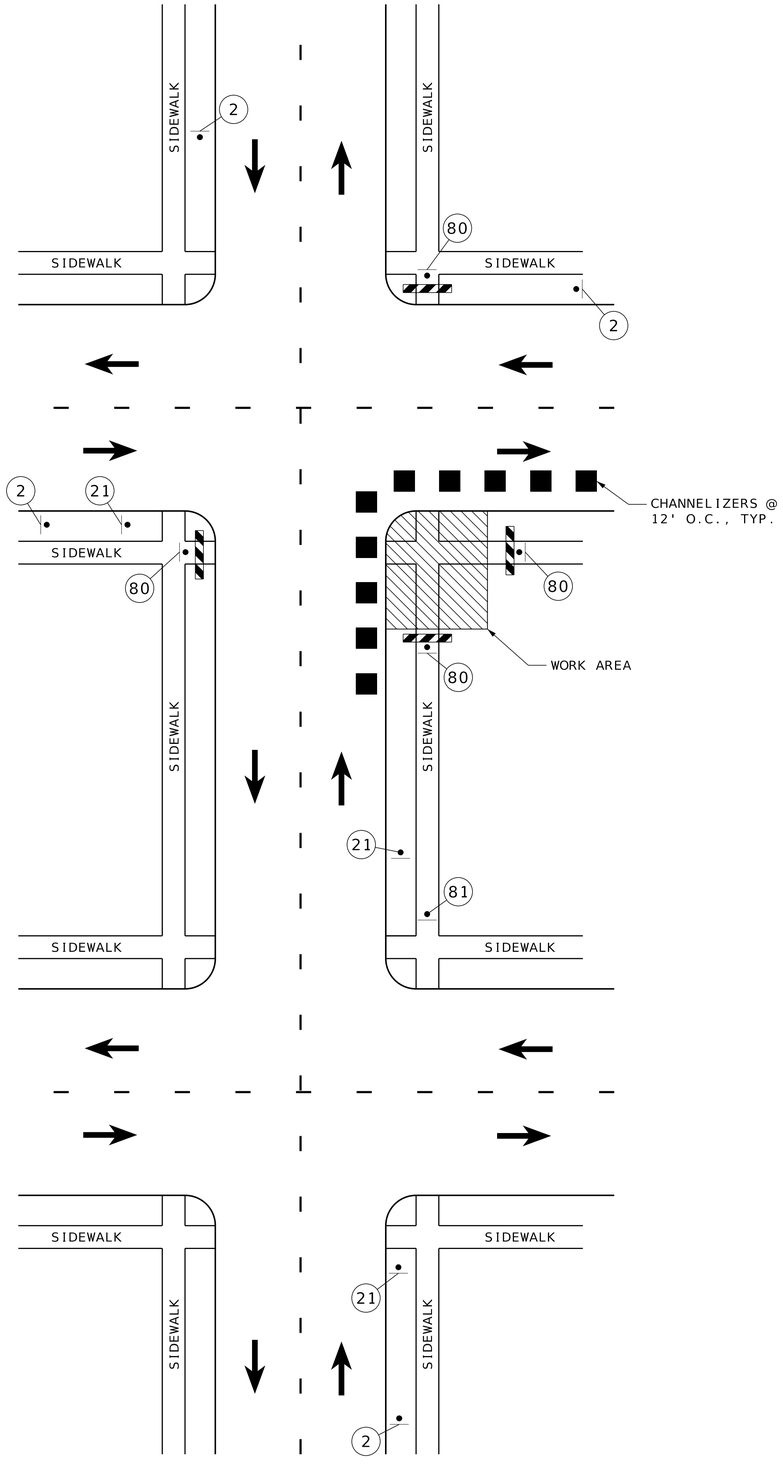
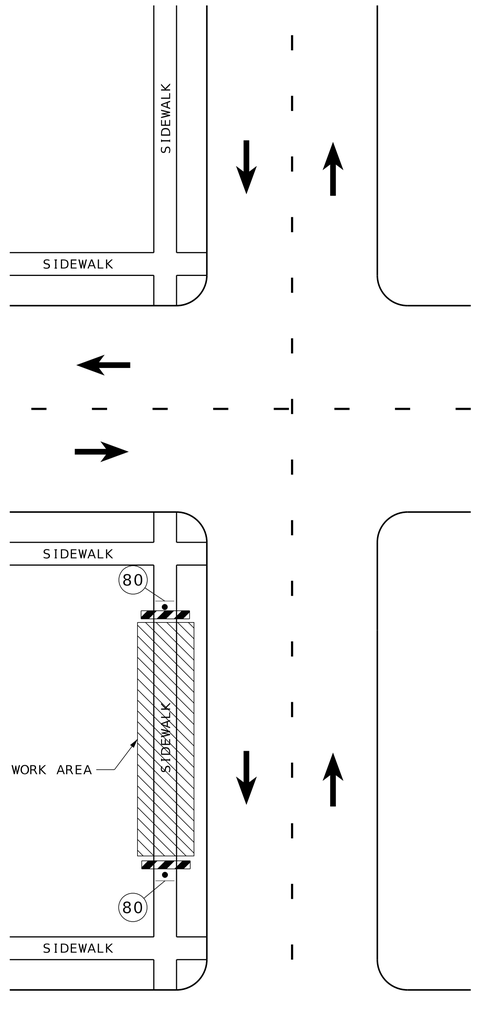
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



SIDEWALK CLOSURE - CASE 1



SIDEWALK CLOSURE - CASE 2

NOTES:

INSTALL DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES AND SIGNS AS DIRECTED BY THE ENGINEER.

ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED. NO DIRECT PAY.

NO DIRECT PAY FOR RELOCATION OF TRAFFIC CONTROL SIGNS AND DEVICES.

SIDEWALK SIGNS 81 & 82 ARE INCLUDED IN PROJECT TO BE INCLUDED AS NEEDED.

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

NOT TO SCALE. FOLLOW DIMENSIONS.

SIDEWALK CLOSURES

TRAFFIC CONTROL SHEETS
SHEET 4 OF 4

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	77

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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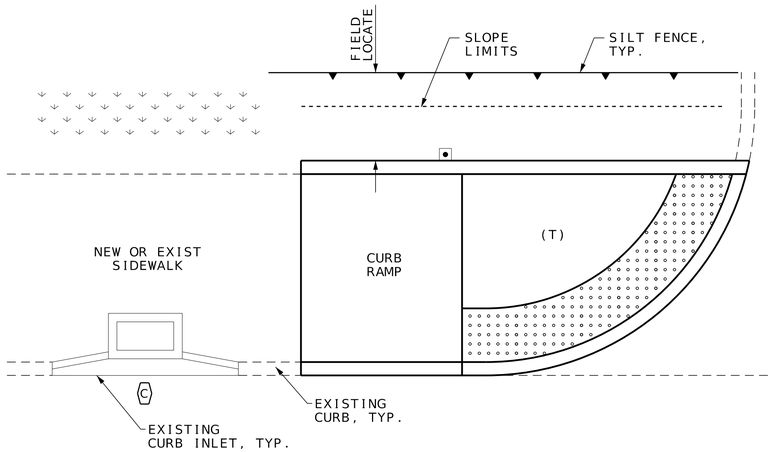
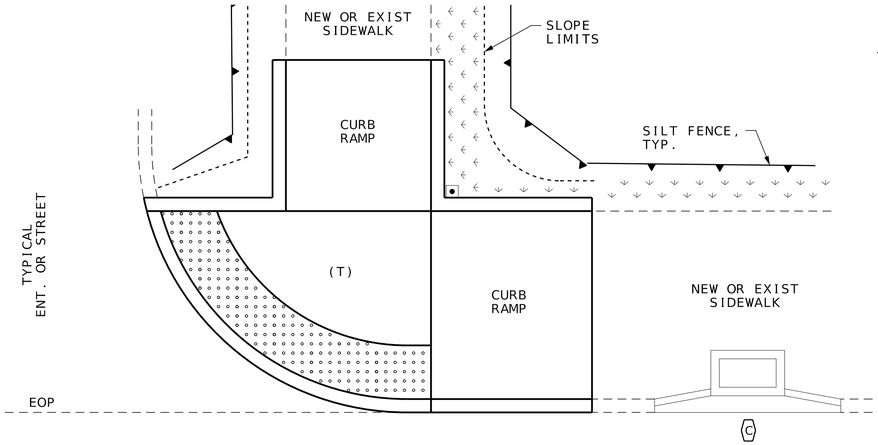
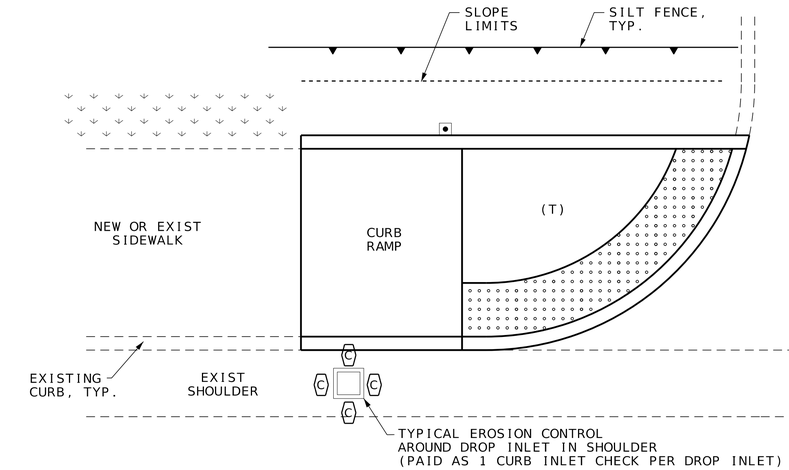
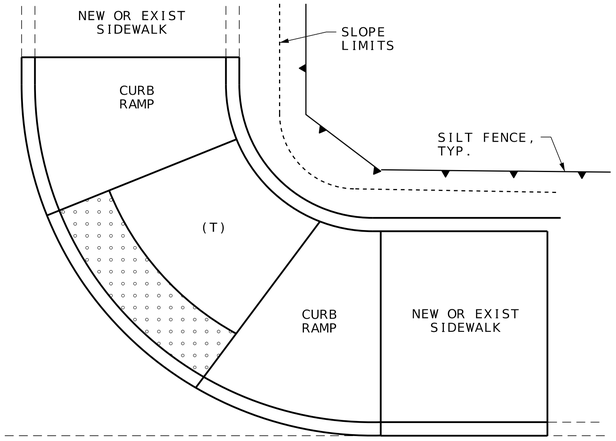


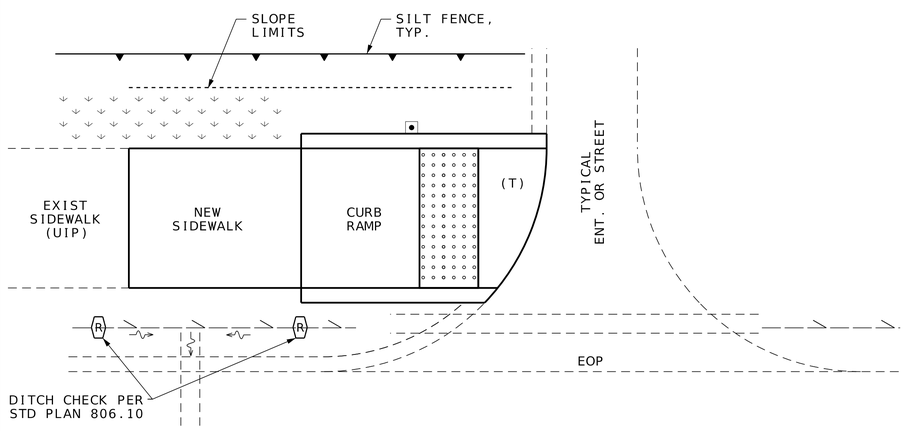


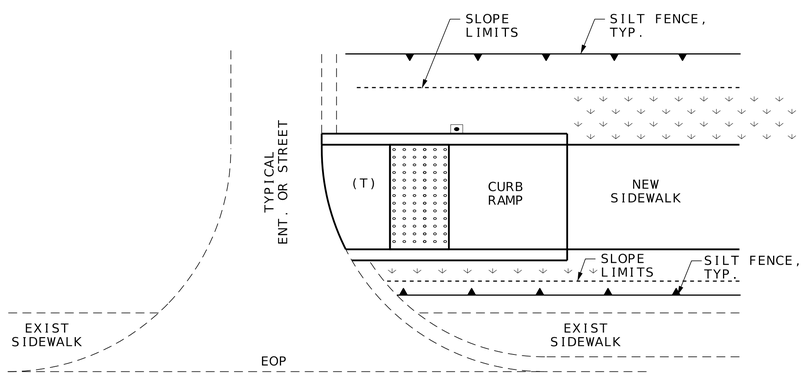
TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- SILT FENCE
- TEMPORARY BERM TYPE B









GENERAL NOTES:

1. SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE RIGHT OF WAY EXCEPT AS NEEDED WHERE RIGHT OF ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.
2. ALTERNATIVES TO SLIT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.
3. FOR DETIALS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

ALL ROUTES
ALL LOCATIONS

EROSION CONTROL
SHEET 1 OF 1

TYPICAL EROSION CONTROL APPLICATIONS FOR NEW CURB RAMP AND SIDEWALK CONSTRUCTION

NOT TO SCALE. FOLLOW DIMENSIONS.

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

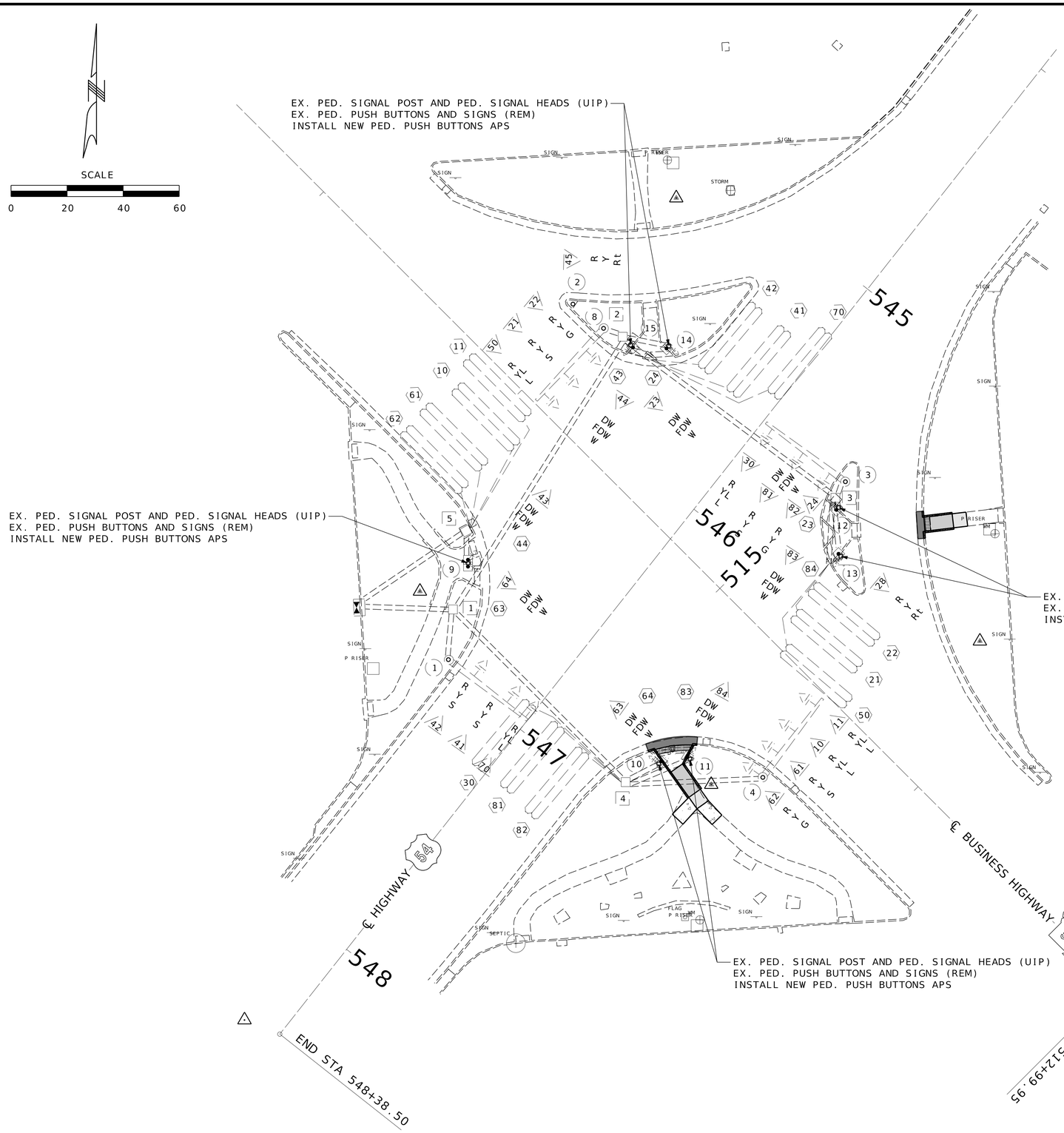
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	78

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TRAFFIC SIGNALS LEGEND

	CONTROLLER (EXISTING)		PUSH BUTTON DETECTOR
	EXIST. VIDEO DETECTOR		30 X 6 LOOP DETECTOR (EXISTING)
	SIGNAL HEAD (PEDESTRIAN)		CONDUIT PUSHED
	EXIST. SIGNAL HEAD		CONDUIT EXISTING
	EXIST. PULL BOX		CONDUIT TRENCHED
			EXIST. MAST ARM

GENERAL NOTES:

1. THE INSTALLATION OF TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNAL EQUIPMENT IS TO BE ASSUMED UIP UNLESS STATED OTHERWISE ON THE PLANS.
3. ALL PEDESTRIAN FACILITIES MUST COMPLY WITH CURRENT ADA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE MODOT INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
5. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES, AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483)
6. PAVEMENT MARKINGS NOT SHOWN FOR CLAIRTY. SEE PLAN SHEETS.

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 1 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	79

COUNTY: VARIES
JOB NO.: JCD0214
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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9788 N Ash Avenue
Kansas City, Missouri 64157
816-781-6182
816-781-0643 (FAX)
Certificate of Authority No. 2002006347

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EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	POST: TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.
			CONTROLLER	(AS REQ'D)																										
		USE EXISTING																												
SUBTOTAL																														
TOTAL																														

POST: TYPE C & CL ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.

SUBTOTAL
TOTAL

SIGNAL HEADS

| SPAN NUMBER | POST NUMBER | FACE NUMBER | LUMINAIRE 150W SODIUM | INDICATIONS * 12" LENS CONVENTIONAL R | Y | YL | YRt | FYL | FYR | G | S | L | Rt | 12" LENS OPTICAL LIMITING R | Y | YL | YRt | YL | YRt | G | S | L | Rt | VISORS * 12" LENS | PED. | LOUVERS * A | B | C | D | E | F | BACKPLATE* LENSES 1 | 2 | 3 | 4 | 5 | RETROREFLECTIVE BACKPLATE* LENSES 1 | 2 | 3 | 4 | 5 | BRACKET* TYPE I | II | III | ONE-FACE SECTION 1- T | S | C | B | 3- T | S | C | B | 4- T | S | C | B | 5- T | S | C | B | TWO-FACE SECTIONS 11- T | S | B | 33- T | S | C | B | 34- S | B | 35- S | B | 44- S | B | 45- S | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
	USE EXISTING																
SUBTOTALS																	
TOTALS																	

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	USE EXISTING															
SUBTOTALS																
TOTALS																

INTERSECTION US 54 & BUSINESS 5

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 3 OF 30

D-37B

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR.
STATE: MO
DISTRICT: CD
SHEET NO.: 81
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
W QUAD (UIP)			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *					TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER							
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
W QUAD (UIP)																					

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12

SIGNAL SIGNS (3)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
23	E QUAD	1				
24	N QUAD	1				
43	N QUAD	1				
44	W QUAD	1				
63	W QUAD	1				
64	S QUAD	1				
83	S QUAD	1				
84	E QUAD	1				
TOTAL		8				

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) FOR PEDESTRIAN SIGNS, BOTH SIGNS AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM FOR DETECTOR PUSH BUTTON (APS).

170 OUTPUT FILE ASSIGNMENTS

FR1							MONITOR
FR2							
FR3							
FR4							

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							

US 54 & BUSINESS 5

INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 4 OF 30

D-37C

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	82

COUNTY: VARIES

JOB NO.: JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

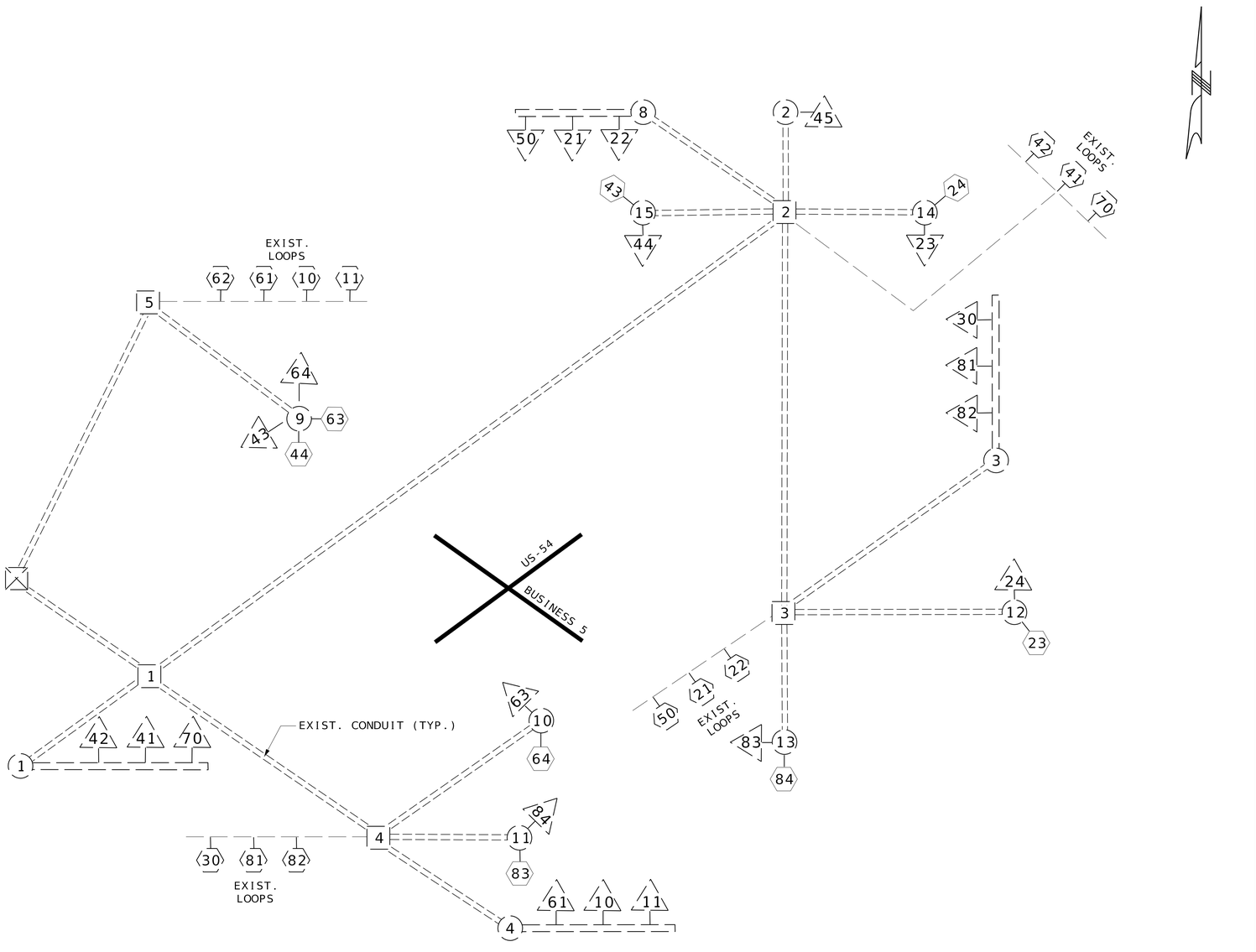
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

082_SG_04_Camdenton_JCD0214_Signal-37C.dgn 4:45:57 PM 5/22/2026

WIRING DIAGRAM

(NOT TO SCALE)



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

US 54 & BUSINESS 5

INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 5 OF 30

D-37D

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	83

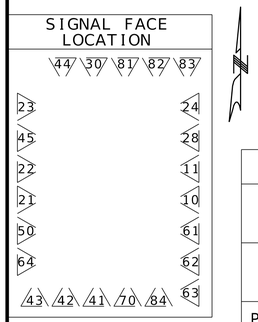
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

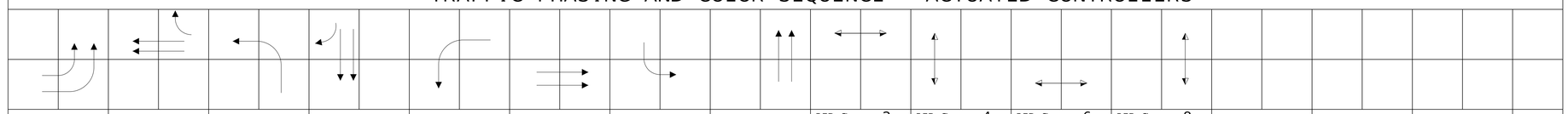
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

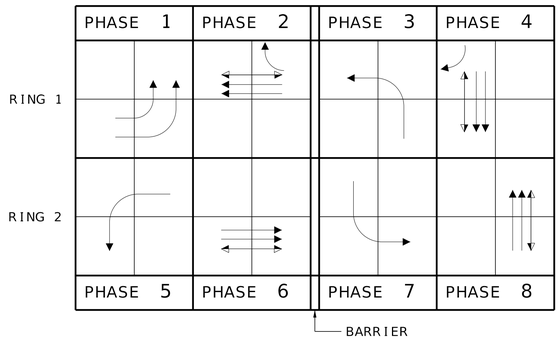
VEENSTRA & KIMM INC.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS





RING STRUCTURE

NOTE:

PHASING SHOWN FOR INFORMATION ONLY.
EXISTING TRAFFIC SIGNAL PHASING TO BE USED.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
USE EXISTING	FR
USE EXISTING	FY

CONTROLLER TYPE	(UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF US 54
WITH BUSINESS 5

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 6 OF 30

D-38A

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

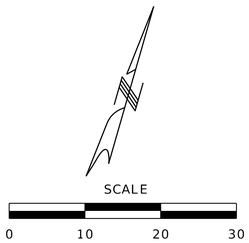
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	84

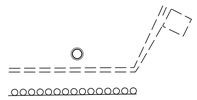
COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

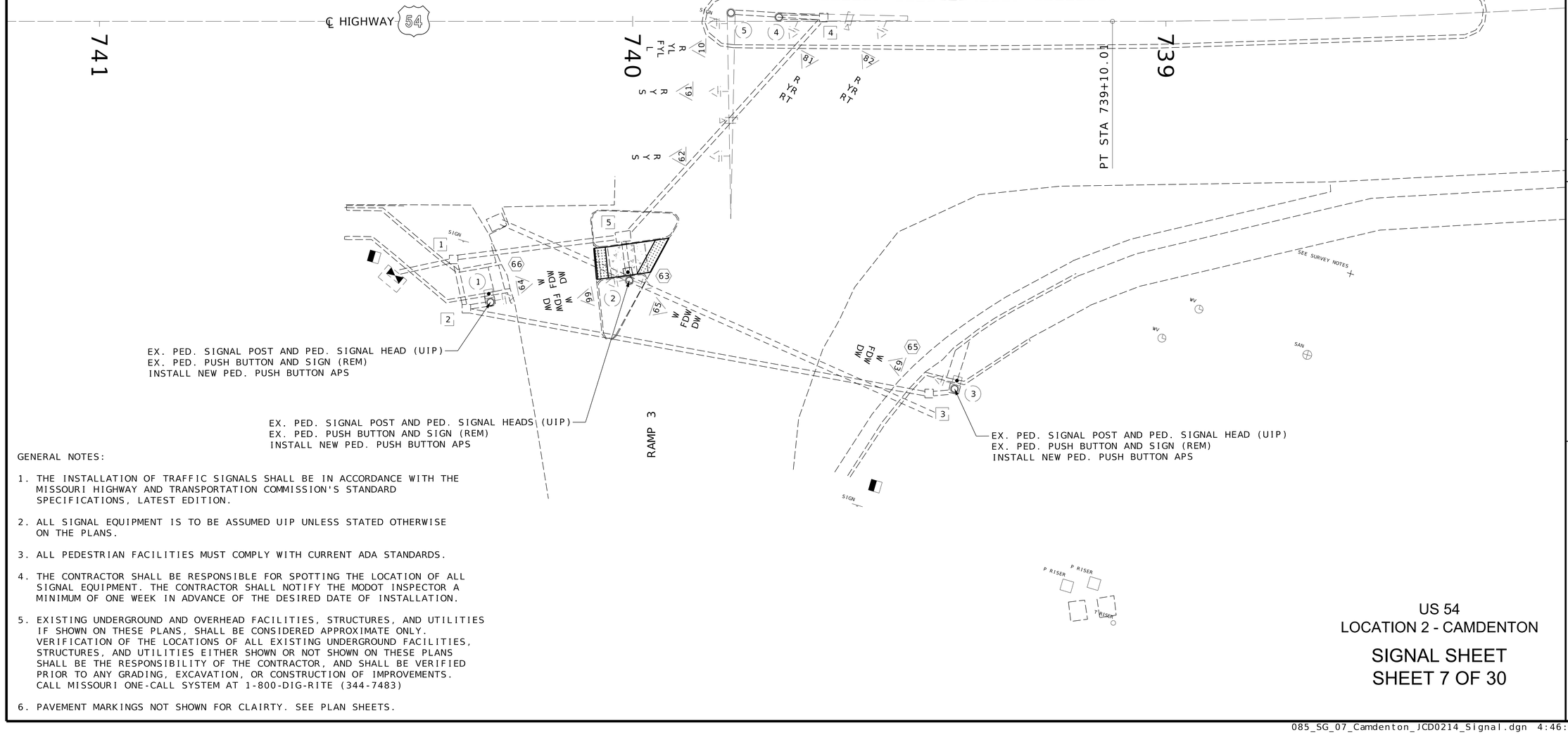
VEENSTRA & KIMM INC.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347





TRAFFIC SIGNALS LEGEND

	CONTROLLER (EXISTING)		PUSH BUTTON DETECTOR
	EXIST. VIDEO DETECTOR		30 X 6 LOOP DETECTOR (EXISTING)
	SIGNAL HEAD (PEDESTRIAN)		CONDUIT PUSHED
			CONDUIT EXISTING
	EXIST. SIGNAL HEAD		CONDUIT TRENCHED
	EXIST. PULL BOX		EXIST. MAST ARM



GENERAL NOTES:

1. THE INSTALLATION OF TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION.

2. ALL SIGNAL EQUIPMENT IS TO BE ASSUMED UIP UNLESS STATED OTHERWISE ON THE PLANS.

3. ALL PEDESTRIAN FACILITIES MUST COMPLY WITH CURRENT ADA STANDARDS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE MODOT INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.

5. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES, AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483)

6. PAVEMENT MARKINGS NOT SHOWN FOR CLAIRTY. SEE PLAN SHEETS.

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 7 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	85

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	BASE: CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	POST: TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL: ARM LENGTH E	K	E	K	E	K	LEFT ARM E: SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K: SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
			CONTROLLER	(AS REQ'D)																																																										
		USE EXISTING																																																														
								SUBTOTAL																																																										
								TOTAL																																																										

SIGNAL HEADS

| SPAN NUMBER | POST NUMBER | FACE NUMBER | LUMINAIRE 150W SODIUM | INDICATIONS * 12" LENS CONVENTIONAL R | Y | YL | YRt | FYL | FYR | G | S | L | Rt | | INDICATIONS * 12" LENS OPTICAL LIMITING R | Y | YL | YRt | YL | YL | G | S | L | Rt | VISORS * 12" LENS | PED. | LOUVERS * A | B | C | D | E | F | BACKPLATE* LENSES 1 | 2 | 3 | 4 | 5 | RETROREFLECTIVE BACKPLATE* LENSES 1 | 2 | 3 | 4 | 5 | BRACKET* TYPE I | II | III | ONE-FACE SECTION 1- T | S | C | B | 3- T | S | C | B | 4- T | S | C | B | 5- T | S | C | B | TWO-FACE SECTIONS 11- T | S | B | 33- T | S | C | B | 34- S | B | 35- S | B | 44- S | B | 45- S | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
USE EXISTING																	
SUBTOTALS																	
TOTALS																	

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
USE EXISTING																
SUBTOTALS																
TOTALS																

INTERSECTION US 54 & RAMP 3

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 9 OF 30

D-37B

SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 87
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
SW QUAD (UIP)			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *					TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP									
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170	FIBER		E	EV	DOUBLE	332	336S	BITRAN	WAPITI
SW QUAD (UIP)																						

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12

SIGNAL SIGNS (3)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

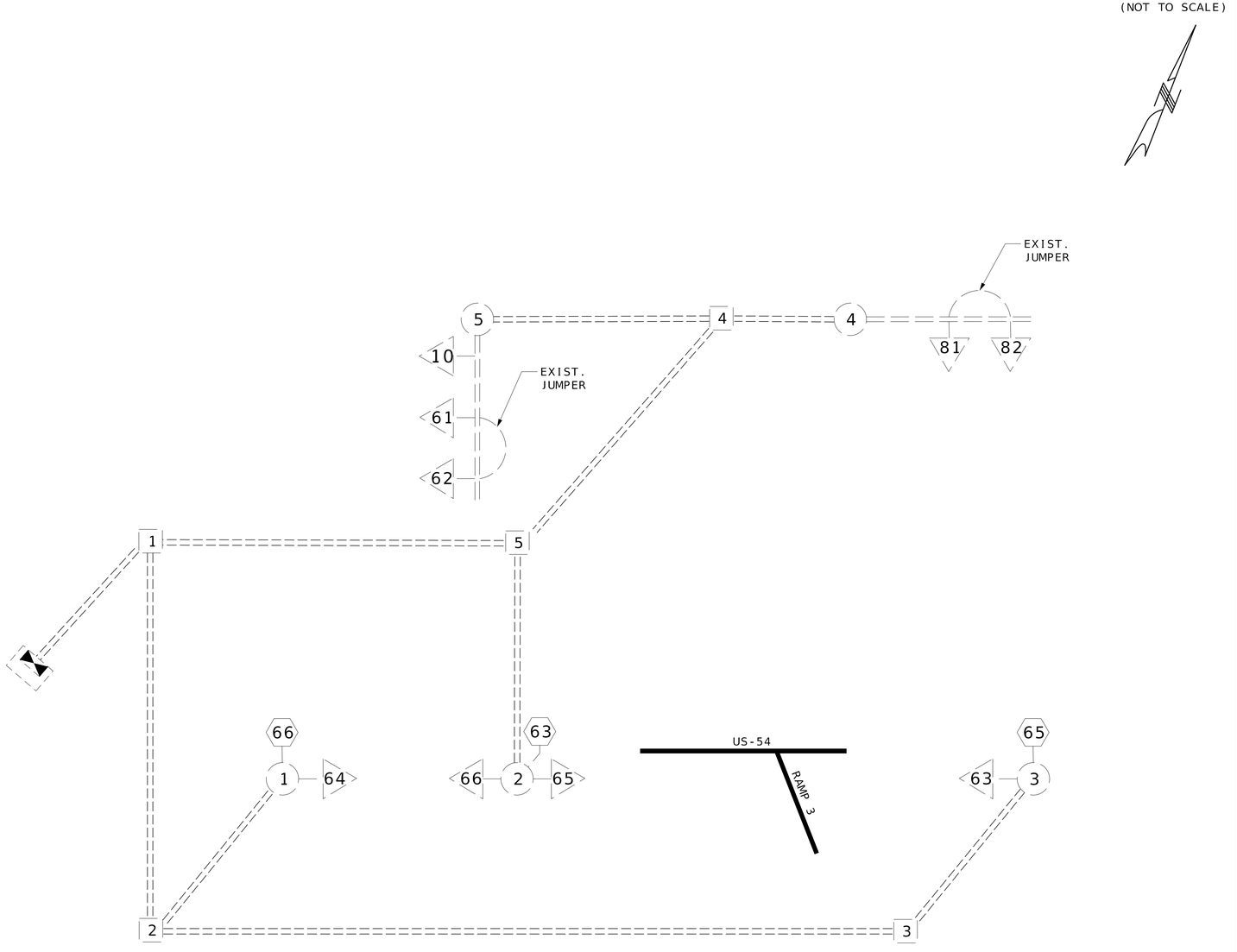
DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
63	RAMP 3 ISLAND	1				
65	SE QUAD	1				
66	SW QUAD	1				

EFFECTIVE: 12-01-2017

WIRING DIAGRAM

(NOT TO SCALE)



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

US 54 & RAMP 3

INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 11 OF 30

D-37D

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	89

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

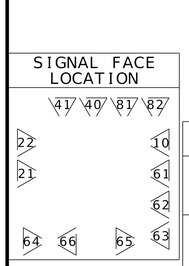
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

089_SG_11_Camdenton_JCD0214_Signal-37D.dgn 4:46:03 PM 5/22/2026

EFFECTIVE: 12-01-2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 6	PED Ø	PED Ø	PED Ø
			NOT USED		NOT USED		NOT USED		OVERLAP	OVERLAP	OVERLAP	OVERLAP
FACE NUMBERS									63 65			
									64 66			
SIGNAL INDICATIONS R									DW DW			
SIGNAL INDICATIONS Y									FDW FDW			
SIGNAL INDICATIONS FYA												
SIGNAL INDICATIONS G									W W			
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)												
OVERLAP PARENT PHASES									6			

FACE NUMBERS
SIGNAL INDICATIONS R
SIGNAL INDICATIONS Y
SIGNAL INDICATIONS FYA
SIGNAL INDICATIONS G
DETECTOR ASSIGNMENTS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1			NOT USED	
RING 2	NOT USED		NOT USED	
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

BARRIER

RING STRUCTURE

NOTE:

PHASING SHOWN FOR INFORMATION ONLY.
EXISTING TRAFFIC SIGNAL PHASING TO BE USED.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRt	YELLOW RIGHT ARROW
RT.	GREEN RIGHT ARROW
LY -YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
USE EXISTING	FR
USE EXISTING	FY

CONTROLLER TYPE	(UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF US 54

WITH RAMP 3

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 12 OF 30

D-38A

SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
STATE OF MISSOURI

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	90

COUNTY: VARIES
JOB NO.: JCD0214
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

SCALE

0 10 20 30

TRAFFIC SIGNALS LEGEND

	CONTROLLER (EXISTING)		PUSH BUTTON DETECTOR
	EXIST. VIDEO DETECTOR		30 X 6 LOOP DETECTOR (EXISTING)
	SIGNAL HEAD (PEDESTRIAN)		CONDUIT PUSHED
			CONDUIT EXISTING
	EXIST. SIGNAL HEAD		CONDUIT TRENCHED
	EXIST. PULL BOX		EXIST. MAST ARM

℄ JACK CROWELL RD.

℄ HIGHWAY 54

℄ LAKER PRIDE RD.

733

732

731

PC STA 730+63.34

EX. PED. SIGNAL POST AND PED. SIGNAL HEAD (UIP)
EX. PED. PUSH BUTTON, SIGN, AND PUSH BUTTON EXTENSION (REM)
INSTALL NEW PED. PUSH BUTTON APS ON PUSH BUTTON EXTENSION

EX. PED. SIGNAL POST AND PED. SIGNAL HEAD (UIP)
EX. PED. PUSH BUTTON, SIGN, AND PUSH BUTTON EXTENSION (REM)
INSTALL NEW PED. PUSH BUTTON APS ON PUSH BUTTON EXTENSION

EX. SIGNAL MAST ARM & EQUIP. AND PED. SIGNAL HEAD (UIP)
EX. PED. PUSH BUTTON, SIGN, AND PUSH BUTTON EXTENSION (REM)
INSTALL NEW PED. PUSH BUTTON APS ON PUSH BUTTON EXTENSION

GENERAL NOTES:

1. THE INSTALLATION OF TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNAL EQUIPMENT IS TO BE ASSUMED UIP UNLESS STATED OTHERWISE ON THE PLANS.
3. ALL PEDESTRIAN FACILITIES MUST COMPLY WITH CURRENT ADA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE MODOT INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
5. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES, AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483)
6. PAVEMENT MARKINGS NOT SHOWN FOR CLAIRTY. SEE PLAN SHEETS.

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 13 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	91

COUNTY: VARIES

JOB NO.: JCD0214

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

LOCATION / BASE / PULL BOX / POST

| POST NUMBER | PULL BOX NUMBER | APPROACH | STATION | OFFSET | BASE A: 9 | 9.5 | 10 | 10.5 | 11 | 12 | BASE F: 9 | 9.5 | 10 | 10.5 | 11 | 12 | BASE C: CONCRETE** (CU. YDS.) | PULL BOX PREFORMED: CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX CONCRETE: STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE*: I | II: A | B | C | POST: TOP MOUNT POST: 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH: A | A | A | A | SIGNAL SPACING: B | C | D | D' | SIGN SPACING: B | C | D | D' | TYPE B & BL: ARM LENGTH: E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING: F | G | H | H' | SIGN SPACING: F | G | H | H' | RIGHT ARM K: SIGNAL SPACING: L | M | N | N' | SIGN SPACING: L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM*: 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
	USE EXISTING																
SUBTOTALS																	
TOTALS																	

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	USE EXISTING															
SUBTOTALS																
TOTALS																

INTERSECTION US 54 & JACK CROWELL RD/LAKER PRIDE RD

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 15 OF 30

D-37B

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 93
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue 816-781-6182
Kansas City, Missouri 64157 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
E QUAD (UIP)			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
E QUAD (UIP)																						

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12

SIGNAL SIGNS (3)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2) STANDARD	INDUCTION LOOP (2) DELAY/ EXTEND *	INDUCTION LOOP (2) CALL UNIT *	VIDEO
24	S QUAD	1	1				
25	E QUAD	1	1				
83	E QUAD	1	1				
84	N QUAD	1	1				
TOTAL		4	4				

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) FOR PEDESTRIAN SIGNS, BOTH SIGNS AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM FOR DETECTOR PUSH BUTTON (APS).

170 OUTPUT FILE ASSIGNMENTS

FR1								MONITOR
FR2								
FR3								
FR4								

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							

US 54 &
JACK CROWELL RD / LAKER PRIDE RD
INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 16 OF 30

D-37C

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	94

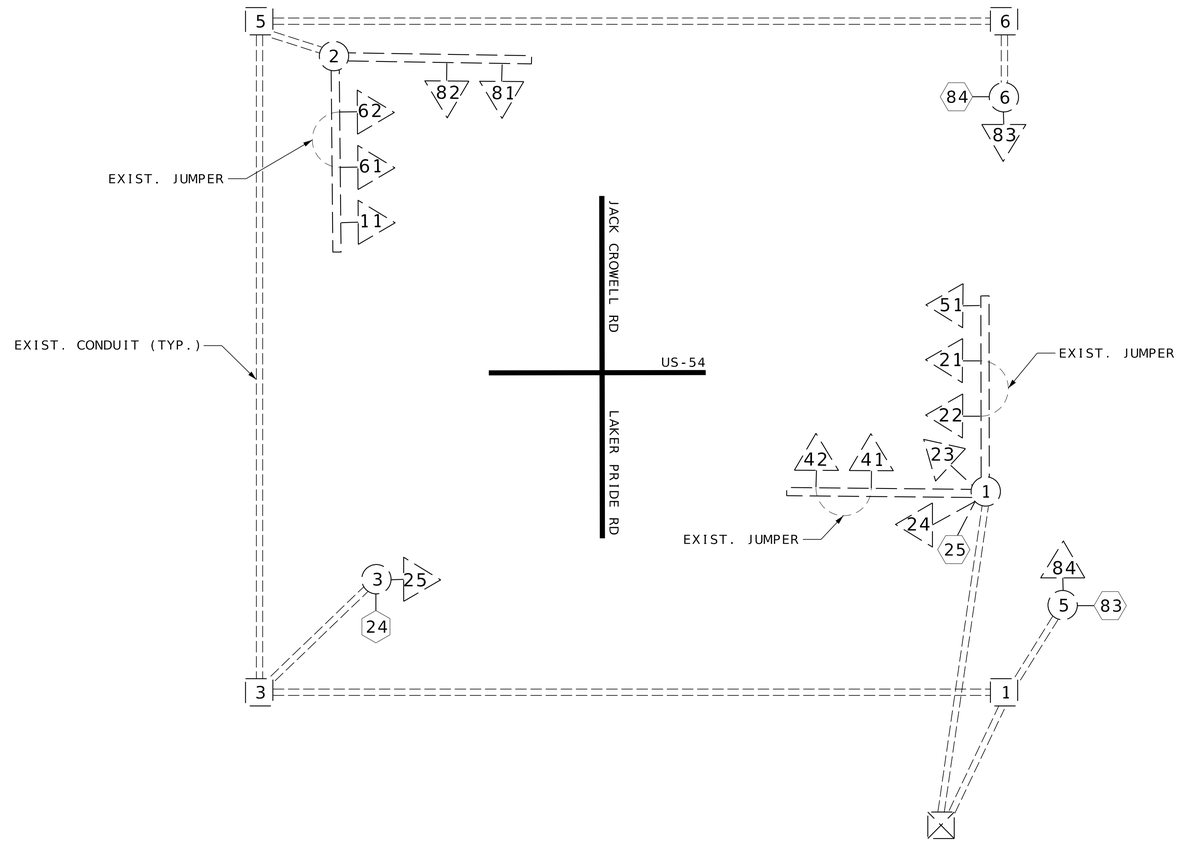
COUNTY VARIES
JOB NO. JCD0214
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

WIRING DIAGRAM

(NOT TO SCALE)



US 54 & JACK CROWELL RD / LAKER PRIDE RD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 17 OF 30

D-37D

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	95

COUNTY: VARIES
JOB NO.: JCD0214
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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9788 N Ash Avenue Kansas City, Missouri 64157
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Certificate of Authority No. 2002006347

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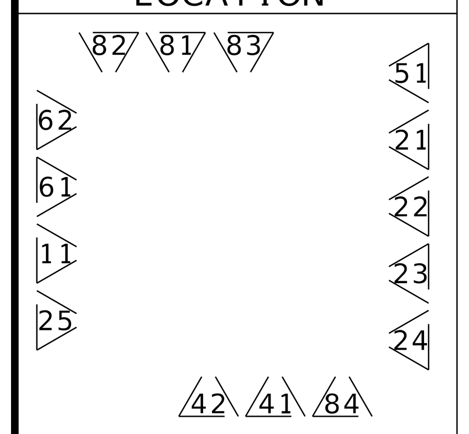
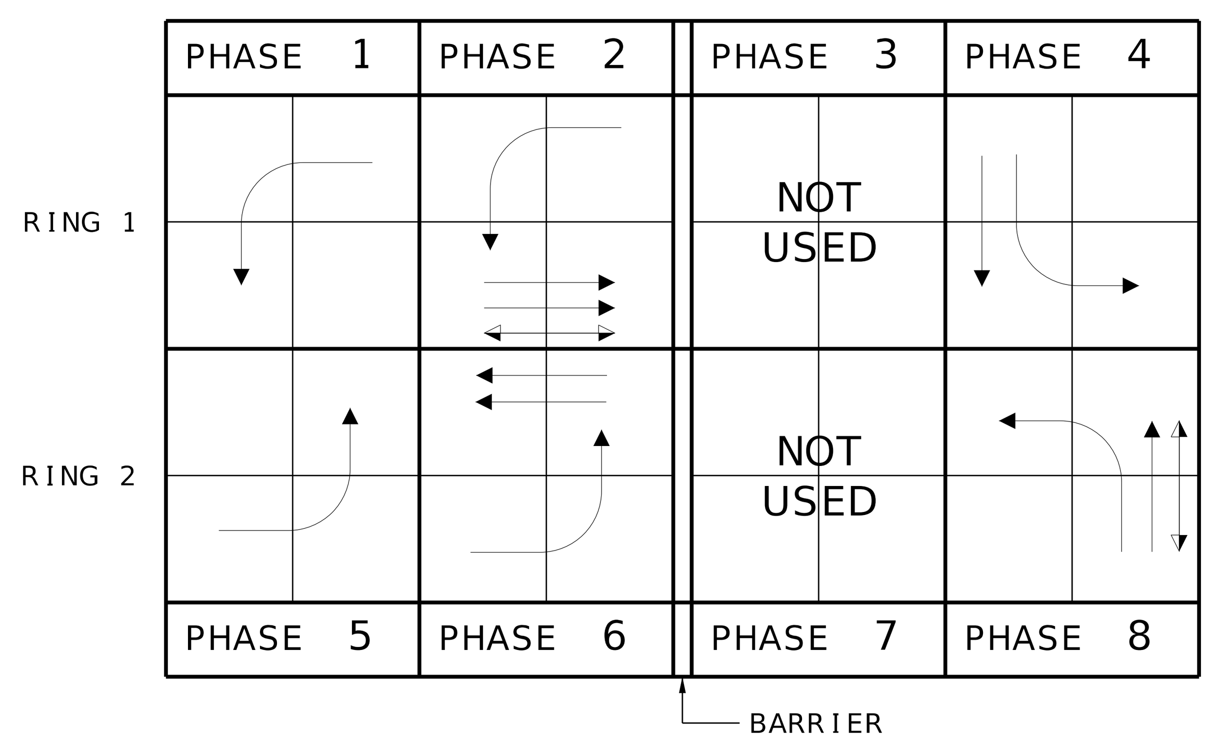
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP		PED Ø 8 OVERLAP		PED Ø OVERLAP	PED Ø OVERLAP
			NOT USED				NOT USED							
FACE NUMBERS									24	25	83	84		
SIGNAL INDICATIONS R									DW	DW	DW	DW		
SIGNAL INDICATIONS Y									FDW	FDW	FDW	FDW		
SIGNAL INDICATIONS FYA														
SIGNAL INDICATIONS G									W	W	W	W		
DETECTOR ASSIGNMENTS														
DETECTOR ASSIGNMENTS (PEDS. ONLY)									24	25	83	84		
OVERLAP PARENT PHASES									2	2	8	8		

RING STRUCTURE



NOTE:

PHASING SHOWN FOR INFORMATION ONLY.
EXISTING TRAFFIC SIGNAL PHASING TO BE USED.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW – FLASHING DON'T WALK
- W – WALK
- DW – DON'T WALK
- R/W – RIGHT OF WAY INTERVAL
- YRt – YELLOW RIGHT ARROW
- RT. – GREEN RIGHT ARROW
- YL – YELLOW LEFT ARROW
- L – GREEN LEFT ARROW
- S – GREEN STRAIGHT AHEAD ARROW
- G – CIRCULAR GREEN
- Y – CIRCULAR YELLOW
- R – CIRCULAR RED
- RL – RED LEFT ARROW
- Ø – TRAFFIC PHASE
- AO – ALL OTHERS
- FR – FLASHING RED
- FY – FLASHING CIRCULAR YELLOW
- FYL – FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
USE EXISTING	FR
USE EXISTING	FY

CONTROLLER TYPE (UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF US 54
WITH JACK CROWELL RD / LAKER PRIDE RD

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 18 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

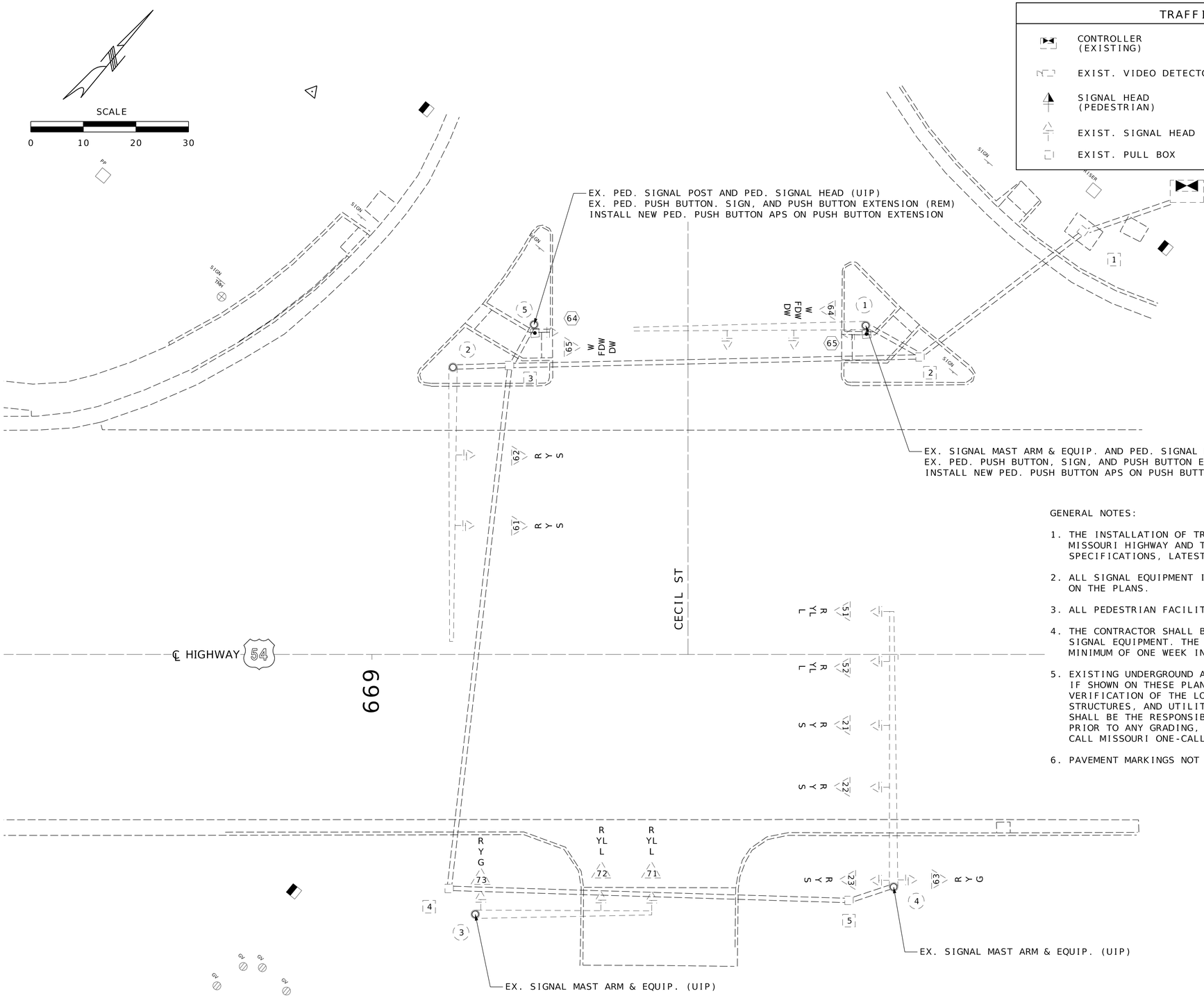
DATE PREPARED	
05/18/2026	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 96
COUNTY VARIES	
JOB NO. JCD0214	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

D-38A



GENERAL NOTES:

1. THE INSTALLATION OF TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNAL EQUIPMENT IS TO BE ASSUMED UIP UNLESS STATED OTHERWISE ON THE PLANS.
3. ALL PEDESTRIAN FACILITIES MUST COMPLY WITH CURRENT ADA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE MODOT INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
5. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES, AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483)
6. PAVEMENT MARKINGS NOT SHOWN FOR CLAIRTY. SEE PLAN SHEETS.

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 19 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 97
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

097_SG_19_Camdenton_JCD0214_Signal.dgn 4:46:10 PM 5/22/2026

LOCATION / BASE / PULL BOX / POST

| POST NUMBER | PULL BOX NUMBER | APPROACH | STATION | OFFSET | BASE A (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE F (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE C | CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | DRAIN TYPE* II A | II B | II C | TOP MOUNT POST 8 FT. | TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | A | A | A | TYPE C & CL SIGNAL SPACING B | C | D | D' | TYPE C & CL SIGN SPACING B | C | D | D' | TYPE B & BL ARM LENGTH E | K | E | K | E | K | TYPE B & BL LEFT ARM E SIGNAL SPACING F | G | H | H' | LEFT ARM E SIGN SPACING F | G | H | H' | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | M | N | N' | RIGHT ARM K SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
USE EXISTING																	
SUBTOTALS																	
TOTALS																	

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
USE EXISTING																
SUBTOTALS																
TOTALS																

INTERSECTION US 54 & CECIL ST.

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 21 OF 30

D-37B

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 99
COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
N QUAD (UIP)			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
N QUAD (UIP)																						

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12

SIGNAL SIGNS (3)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2) STANDARD	INDUCTION LOOP (2) DELAY/ EXTEND *	INDUCTION LOOP (2) CALL UNIT *	VIDEO
64	W ISLAND	1	1				
65	N ISLAND	1	1				
TOTAL		2	2				

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) FOR PEDESTRIAN SIGNS, BOTH SIGNS AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM FOR DETECTOR PUSH BUTTON (APS).

170 OUTPUT FILE ASSIGNMENTS

FR1								MONITOR
FR2								
FR3								
FR4								

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							

US 54 & CECIL ST.
INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 22 OF 30

D-37C

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	100

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

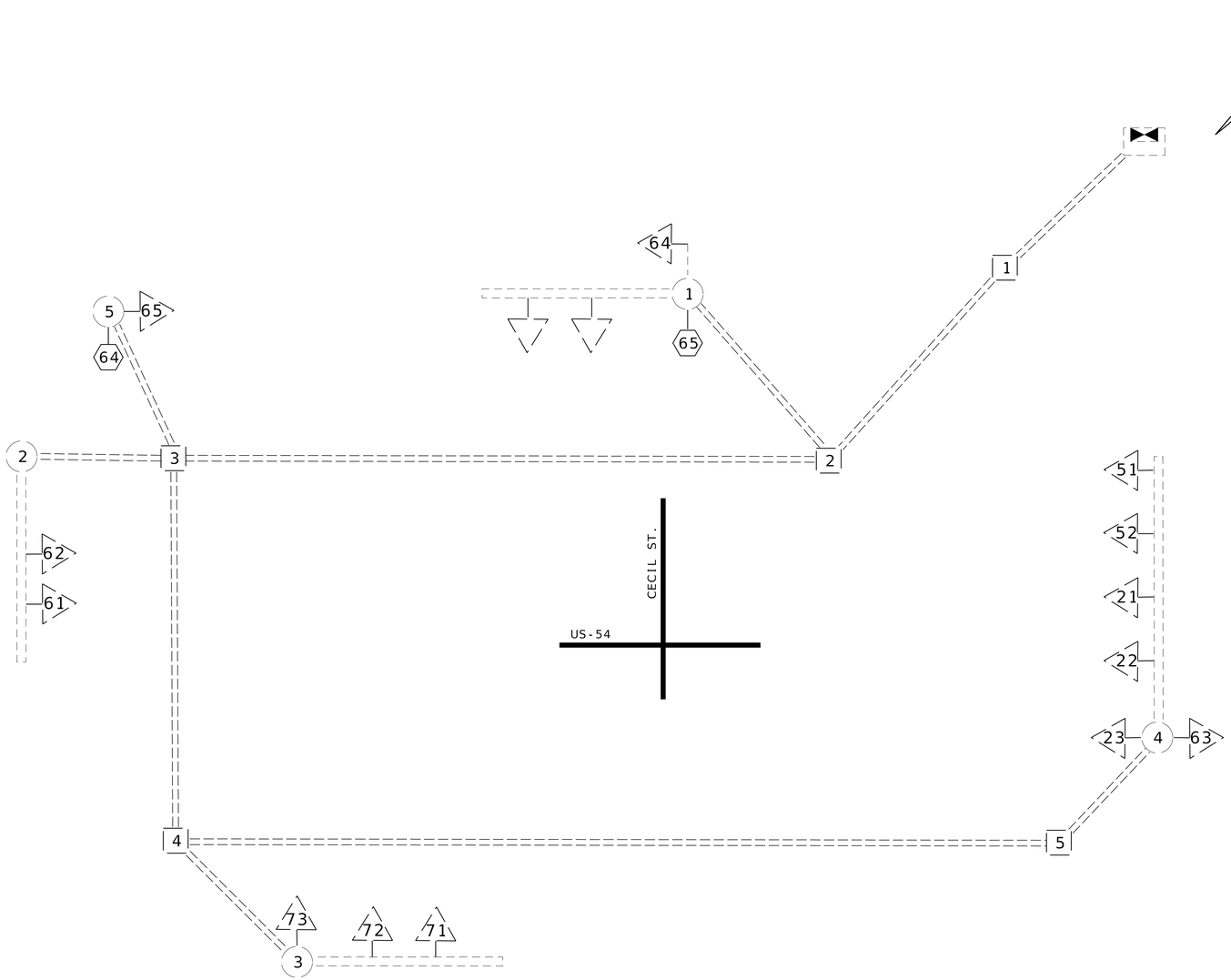
DESCRIPTION	DATE

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

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

WIRING DIAGRAM

(NOT TO SCALE)



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

US 54 & CECIL ST.

INTERSECTION

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 23 OF 30

D-37D

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	101

COUNTY
VARIES

JOB NO.
JCD0214

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

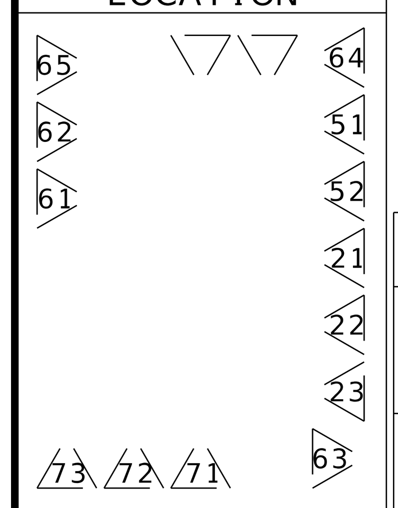
DESCRIPTION	DATE

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

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

101_SG_23_Camdenton_JCD0214_Signal-37D.dgn 4:46:13 PM 5/22/2026

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 6 OVERLAP		PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP
	NOT USED		NOT USED	NOT USED				NOT USED					
FACE NUMBERS									64	65			
SIGNAL INDICATIONS R									DW	DW			
SIGNAL INDICATIONS Y									FDW	FDW			
SIGNAL INDICATIONS FYA													
SIGNAL INDICATIONS G									W	W			
DETECTOR ASSIGNMENTS													
DETECTOR ASSIGNMENTS (PEDS. ONLY)									64	65			
OVERLAP PARENT PHASES									6	6			

RING STRUCTURE

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1	NOT USED		NOT USED	NOT USED
RING 2				NOT USED
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

BARRIER

NOTE:

PHASING SHOWN FOR INFORMATION ONLY.
EXISTING TRAFFIC SIGNAL PHASING TO BE USED.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW – FLASHING DON'T WALK
- W – WALK
- DW – DON'T WALK
- R/W – RIGHT OF WAY INTERVAL
- YRt – YELLOW RIGHT ARROW
- RT. – GREEN RIGHT ARROW
- -YL – YELLOW LEFT ARROW
- L – GREEN LEFT ARROW
- S – GREEN STRAIGHT AHEAD ARROW
- G – CIRCULAR GREEN
- Y – CIRCULAR YELLOW
- R – CIRCULAR RED
- RL – RED LEFT ARROW
- Ø – TRAFFIC PHASE
- AO – ALL OTHERS
- FR – FLASHING RED
- FY – FLASHING CIRCULAR YELLOW
- FYL – FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
USE EXISTING	FR
USE EXISTING	FY

CONTROLLER TYPE (UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF US 54
WITH CECIL ST

US 54
LOCATION 2 - CAMDENTON

SIGNAL SHEET
SHEET 24 OF 30

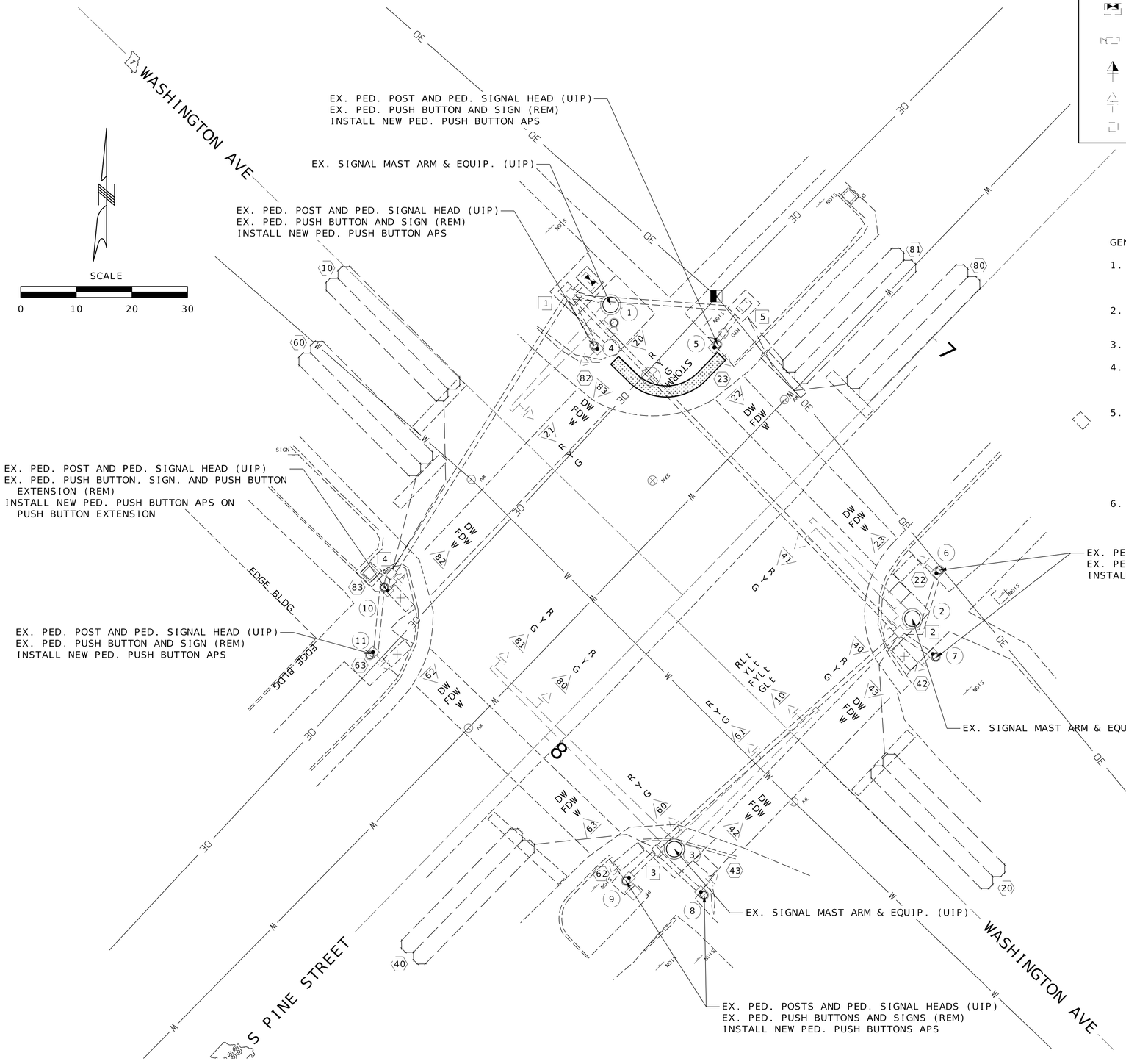
D-38A

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026
ROUTE VAR. STATE MO
DISTRICT CD SHEET NO. 102
COUNTY VARIES
JOB NO. JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347



TRAFFIC SIGNALS LEGEND

	CONTROLLER (EXISTING)		PUSH BUTTON DETECTOR
	EXIST. VIDEO DETECTOR		30 X 6 LOOP DETECTOR (EXISTING)
	SIGNAL HEAD (PEDESTRIAN)		CONDUIT PUSHED
			CONDUIT EXISTING
	EXIST. SIGNAL HEAD		CONDUIT TRENCHED
	EXIST. PULL BOX		EXIST. MAST ARM

GENERAL NOTES:

1. THE INSTALLATION OF TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNAL EQUIPMENT IS TO BE ASSUMED UIP UNLESS STATED OTHERWISE ON THE PLANS.
3. ALL PEDESTRIAN FACILITIES MUST COMPLY WITH CURRENT ADA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE MODOT INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
5. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES, AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483)
6. PAVEMENT MARKINGS NOT SHOWN FOR CLAIRTY. SEE PLAN SHEETS.

MO 133
LOCATION 9 - RICHLAND

SIGNAL SHEET
SHEET 25 OF 30

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	103

COUNTY: VARIES
JOB NO.: JCD0214
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.
A Kleinfelder Company
9788 N Ash Avenue Kansas City, Missouri 64157
816-781-6182 816-781-0643 (FAX)
Certificate of Authority No. 2002006347

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | C | PULL BOX | | | | | | | | | POST | | | | | | | | | | | |

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
	USE EXISTING																
SUBTOTALS																	
TOTALS																	

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	USE EXISTING															
SUBTOTALS																
TOTALS																

INTERSECTION MO 133 & MO 7/WASHINGTON AVE.

MO 133
LOCATION 9 - RICHLAND

SIGNAL SHEET
SHEET 27 OF 30

D-37B

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO

DISTRICT	SHEET NO.
CD	105

COUNTY: VARIES

JOB NO.: JCD0214

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

105_SG_27_Richland_JCD0214_Signal-37B.dgn 4:46:17 PM 5/22/2026

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
N QUAD (UIP)			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
N QUAD (UIP)																						

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12

SIGNAL SIGNS (3)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE					
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			VIDEO
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
22	E QUAD	1					
23	N QUAD	1					
42	E QUAD	1					
43	S QUAD	1					
62	W QUAD	1					
63	S QUAD	1					
82	N QUAD	1					
83	W QUAD	1	1				
TOTAL		8	1				

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) FOR PEDESTRIAN SIGNS, BOTH SIGNS AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM FOR DETECTOR PUSH BUTTON (APS).

170 OUTPUT FILE ASSIGNMENTS

FR1								MONITOR
FR2								
FR3								
FR4								

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							

MO 133 & MO 7/WASHINGTON AVE.
INTERSECTION

MO 133
LOCATION 9 - RICHLAND

SIGNAL SHEET
SHEET 28 OF 30

D-37C

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED. SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	106

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

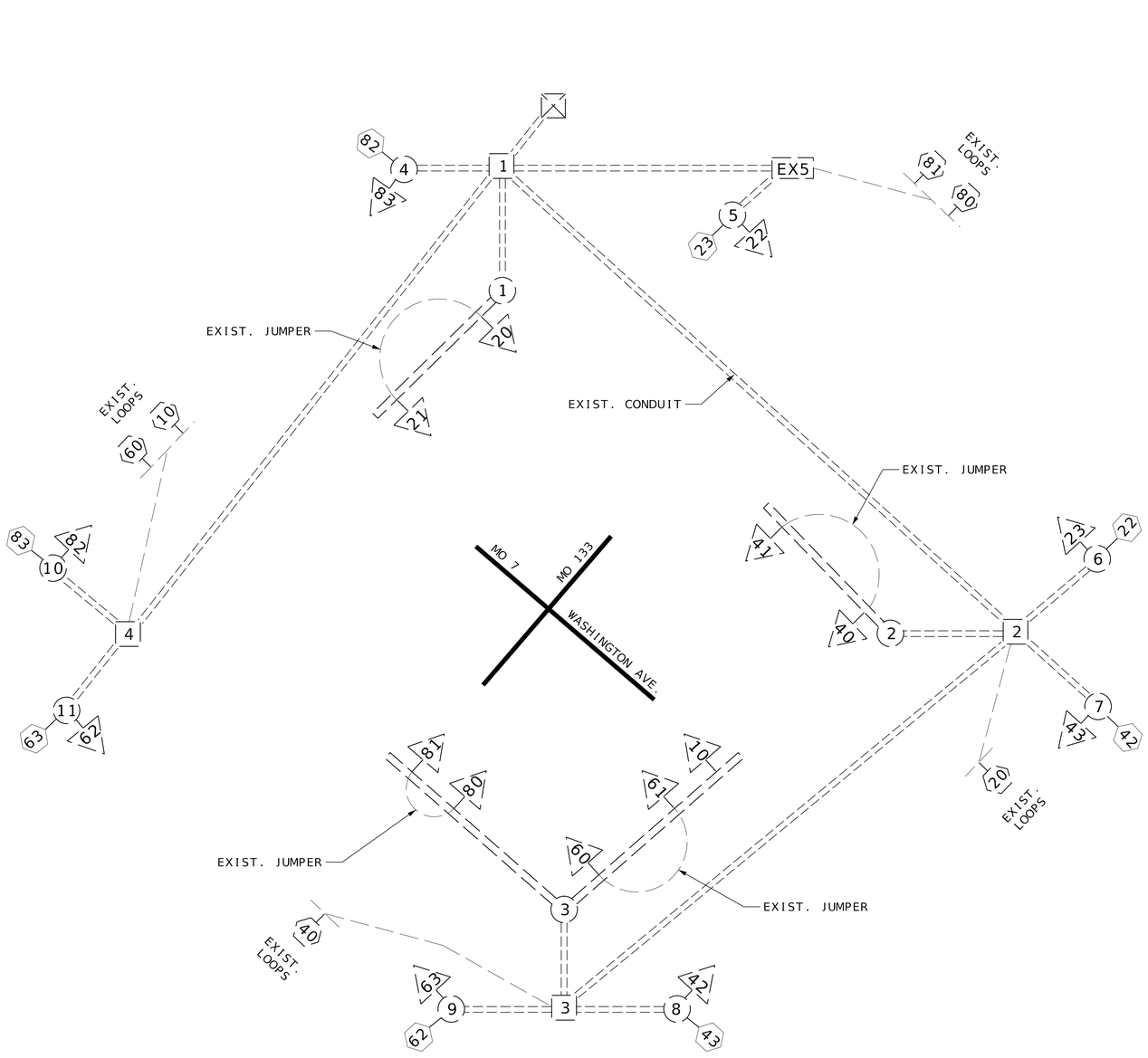
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

106_SG_28_Richland_JCD0214_Signal-37C.dgn 4:46:18 PM 5/22/2026

WIRING DIAGRAM

(NOT TO SCALE)



MO 133 & MO 7 / WASHINGTON AVE.

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

MO 133
LOCATION 9 - RICHLAND

SIGNAL SHEET
SHEET 29 OF 30

D-37D

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD NUMBER PE-2018000240
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 05/18/2026

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	107

COUNTY: VARIES
JOB NO.: JCD0214
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

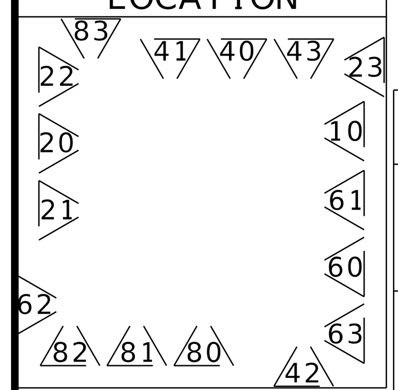
DESCRIPTION	DATE

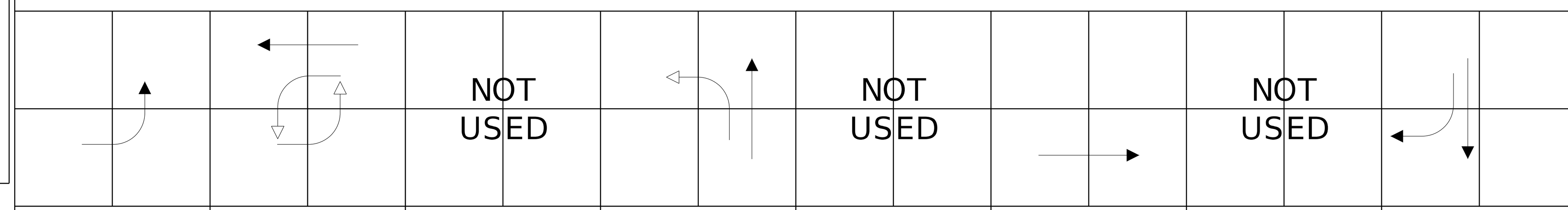
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

107_SG_29_Richland_JCD0214_Signal-37D.dgn 4:46:18 PM 5/22/2026

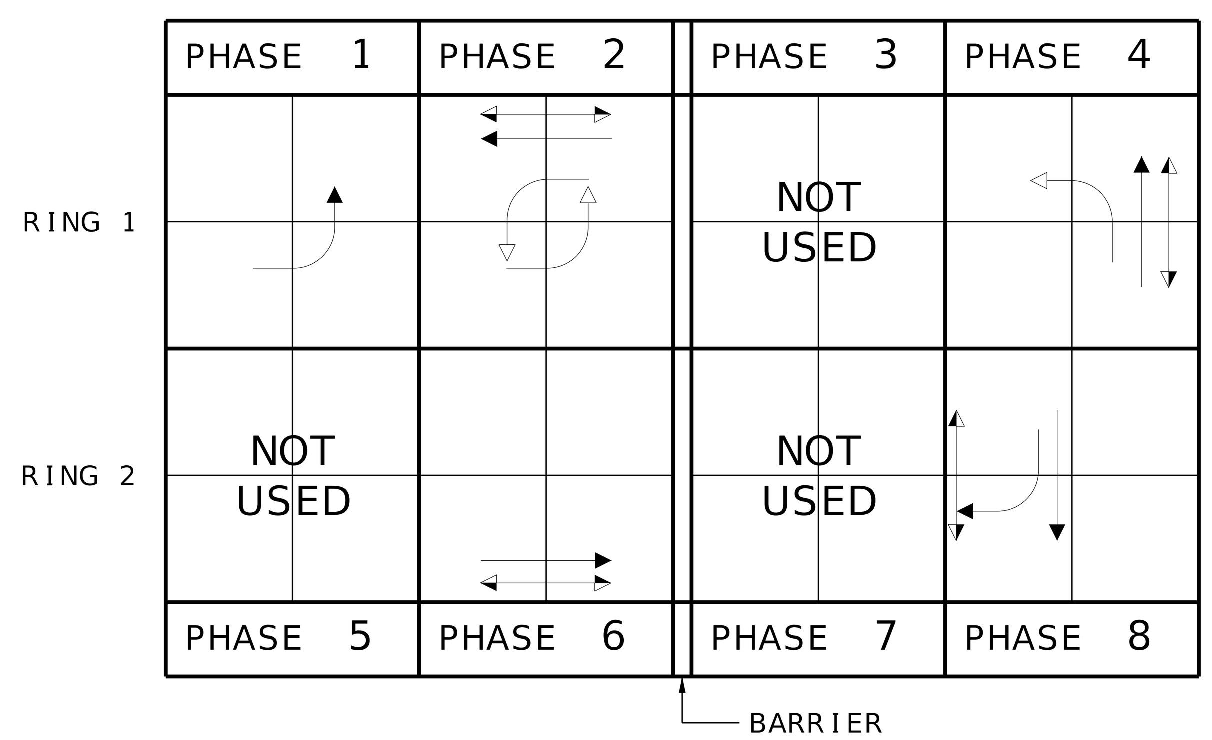
TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS





PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2	PED Ø 4	PED Ø 6	PED Ø 8
								OVERLAP	OVERLAP	OVERLAP	OVERLAP

		PED Ø 2		PED Ø 4		PED Ø 6		PED Ø 8		
FACE NUMBERS		22	23	42	43	62	63	82	83	FACE NUMBERS
SIGNAL INDICATIONS	R	DW	DW	DW	DW	DW	DW	DW	DW	R
	Y	FDW	FDW	FDW	FDW	FDW	FDW	FDW	FDW	Y
	FYA									FYA
	G	W	W	W	W	W	W	W	W	G
DETECTOR ASSIGNMENTS										DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)		22	23	42	43	62	63	82	83	
OVERLAP PARENT PHASES										



RING STRUCTURE

NOTE:

PHASING SHOWN FOR INFORMATION ONLY.
EXISTING TRAFFIC SIGNAL PHASING TO BE USED.

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW – FLASHING DON'T WALK
- W – WALK
- DW – DON'T WALK
- R/W – RIGHT OF WAY INTERVAL
- YRt – YELLOW RIGHT ARROW
- RT. – GREEN RIGHT ARROW
- -YL – YELLOW LEFT ARROW
- L – GREEN LEFT ARROW
- S – GREEN STRAIGHT AHEAD ARROW
- G – CIRCULAR GREEN
- Y – CIRCULAR YELLOW
- R – CIRCULAR RED
- RL – RED LEFT ARROW
- Ø – TRAFFIC PHASE
- AO – ALL OTHERS
- FR – FLASHING RED
- FY – FLASHING CIRCULAR YELLOW
- FYL – FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
USE EXISTING	FR
	FY

CONTROLLER TYPE	(UIP)

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF MO 133
WITH MO 7 / WASHINGTON AVE.

MO 133
LOCATION 9 - RICHLAND

SIGNAL SHEET
SHEET 30 OF 30

D-38A

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

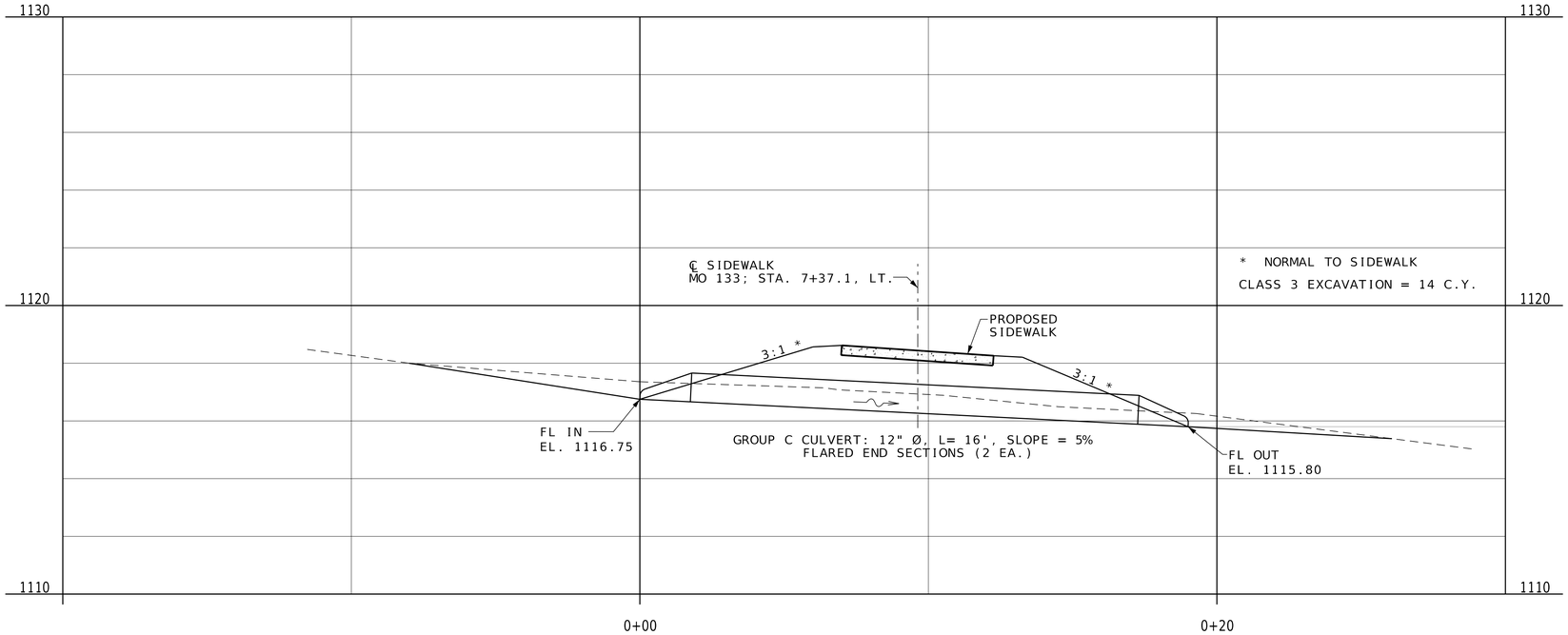
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
05/18/2026	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 108
COUNTY: VARIES	
JOB NO.: JCD0214	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

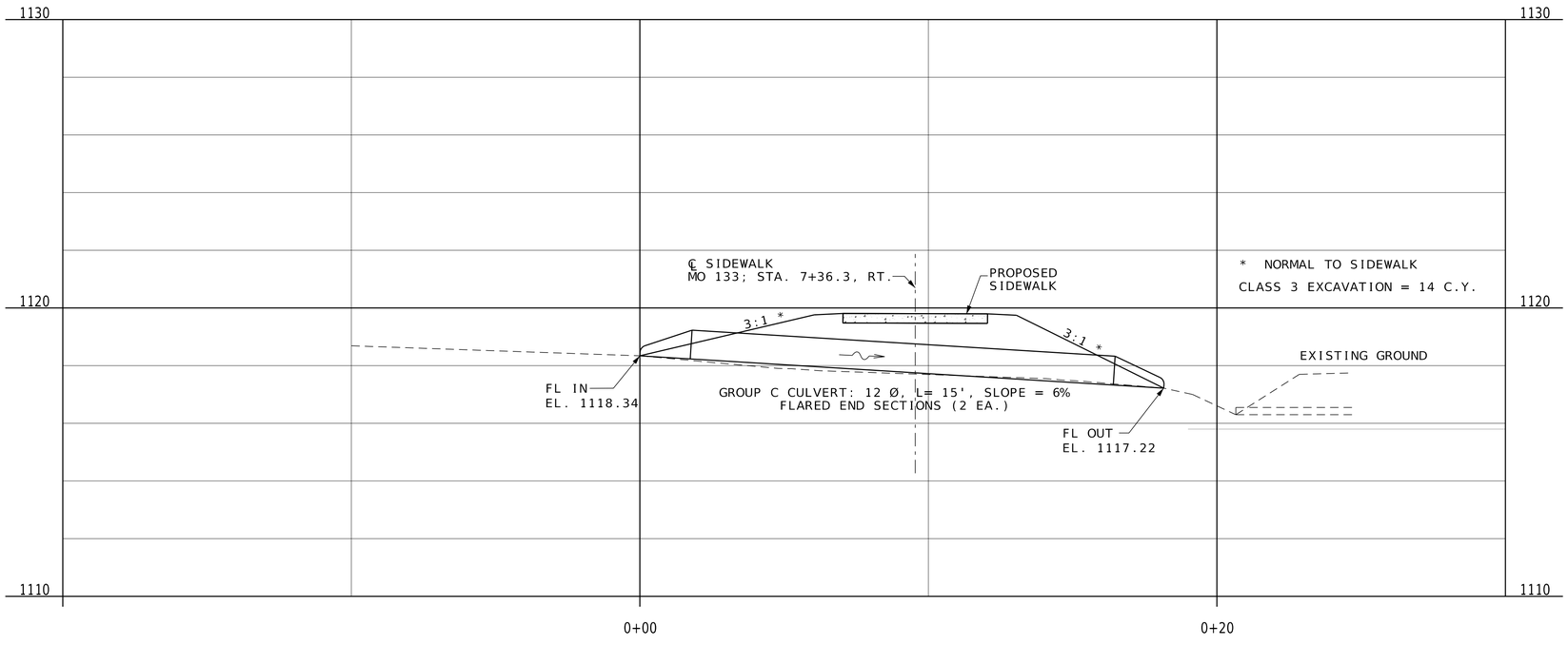
DESCRIPTION
DATE

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

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



NORTH SIDE MO 133 @ LOCUST ST.



SOUTH SIDE MO 133 @ LOCUST ST.

MO 133
LOCATION 9 - RICHLAND

CULVERT SECTIONS
SHEET 1 OF 1

STATE OF MISSOURI
SCOTT MICHAEL MCDONALD
NUMBER PE-2018000240
PROFESSIONAL ENGINEER

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DATE PREPARED
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ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	109

COUNTY
VARIES

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