MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

BOONE COUNTY

SECTION 09, TOWNSHIP 51 NORTH, RANGE 11 WEST

DESIGN DESIGNATION

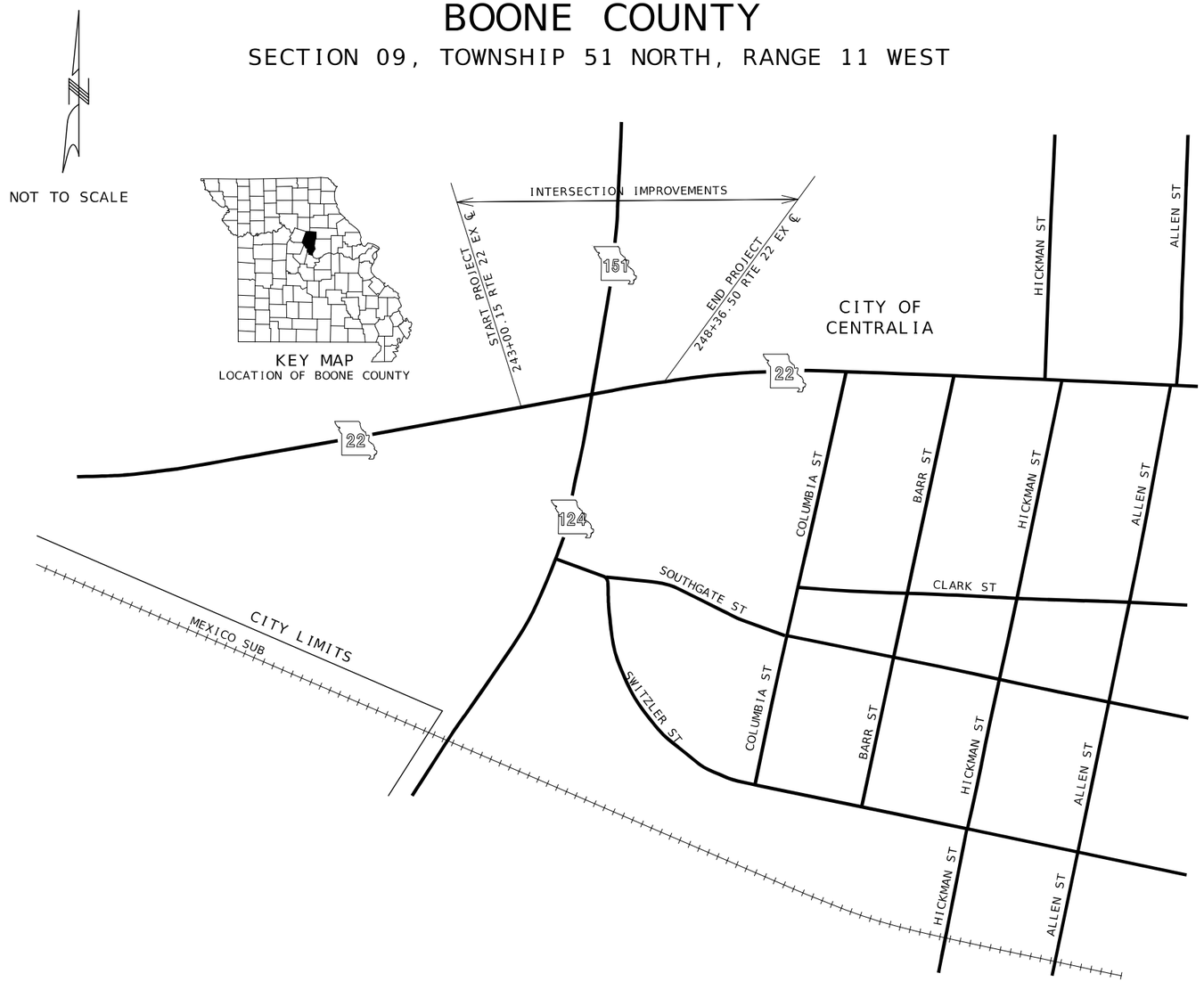
RTE 22 W of 124	
A.A.D.T - 2024 =	4,715
A.A.D.T - 2044 =	5,349
D.H.V. =	7.42%
T =	13.33%
V =	40 m.p.h
D =	49.7% / 50.3%
FUNCTIONAL CLASS.	MINOR ARTERIAL
RTE 22 E of 124	
A.A.D.T - 2024 =	4,622
A.A.D.T - 2044 =	5,245
D.H.V. =	7.44%
T =	13.31%
V =	40 m.p.h
D =	47.4%/ 52.6%
FUNCTIONAL CLASS.	MINOR ARTERIAL
RTE. 151	
A.A.D.T - 2024 =	1,253
A.A.D.T - 2044 =	1,791
D.H.V. =	8.76%
T =	9.44%
V =	45 M.P.H
D =	48.5% / 51.5%
FUNCTIONAL CLASS.	MAJOR COLLECTOR
RTE. 124	
A.A.D.T - 2024 =	5,357
A.A.D.T - 2044 =	5,758
D.H.V. =	11.86%
T =	9.61%
V =	50 M.P.H
D =	50.1% / 49.9%
FUNCTIONAL CLASS.	MINOR ARTERIAL

NO NEW RIGHT OF WAY REQUIRED

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	D	
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



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
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (5 SHEETS)	3
PLAN-PROFILE (PP)	4-22
REFERENCE POINTS (RP)	23
COORDINATE POINTS (CP)	24-25
SPECIAL SHEETS (SS)	26-27
TRAFFIC CONTROL SHEETS (TC)	28-36
EROSION CONTROL SHEETS (EC)	37
LIGHTING (LT)	38
SIGNING (SN)	39-45
PAVEMENT MARKING (PM)	46
CROSS SECTIONS (XS)	1-61

LENGTH OF PROJECT

RTE 22			
BEGINNING	STA	243+00.15	
END	STA	248+36.50	
APPARENT LENGTH		536.35	FEET
EQUATIONS AND EXCEPTIONS			
NONE			
RTE 151			
BEGINNING	STA	81+77.95	
END	STA	84+04.06	
APPARENT LENGTH		226.11	FEET
EQUATIONS AND EXCEPTIONS			
NONE			
RTE 124			
BEGINNING	STA	84+04.06	
END	STA	86+55.80	
APPARENT LENGTH		251.74	FEET
EQUATIONS AND EXCEPTIONS			
NONE			
TOTAL CORRECTIONS		0.0	FEET
NET LENGTH OF PROJECT		1,014.2	FEET
STATE LENGTH		0.2	MILES

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	1

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

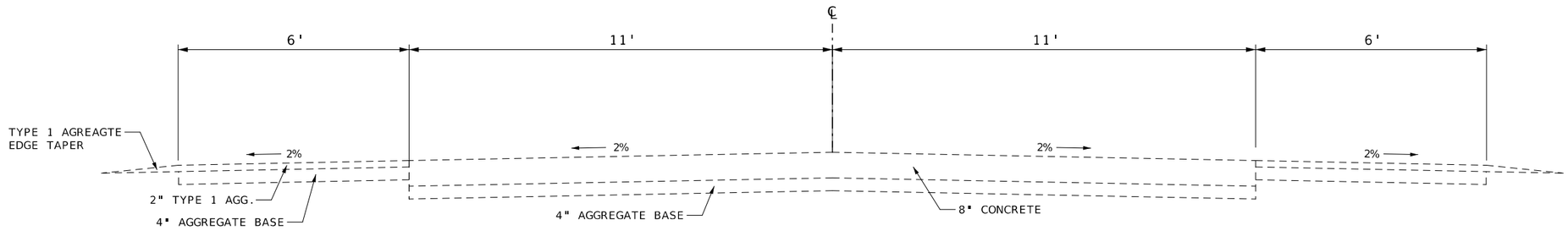
PROJECT NO.

BRIDGE NO.

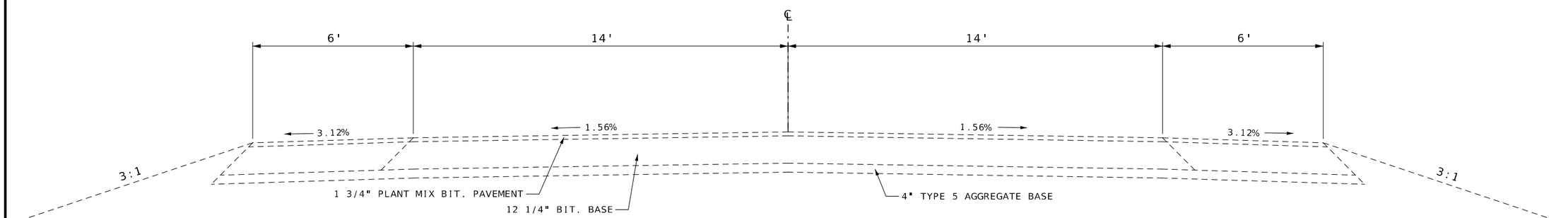
DESCRIPTION	DATE

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

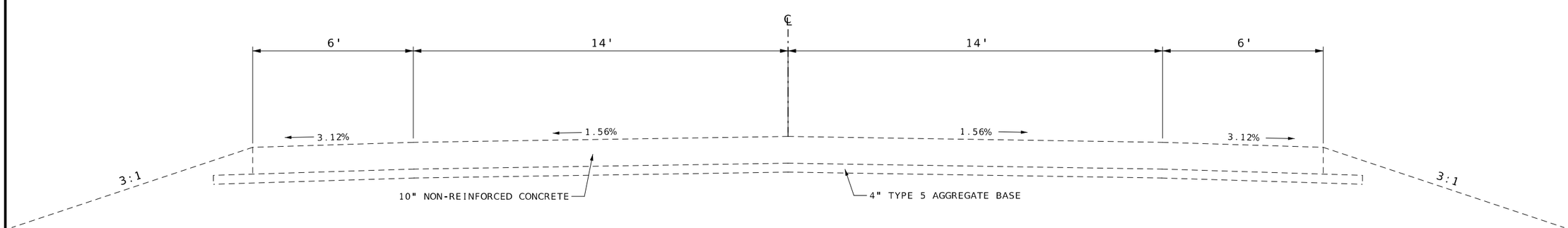
TITLE SHEET



RTE 22 EXISTING TYPICAL SECTION
STA 243+00.15 TO STA 248+36.50



RTE 151 EXISTING TYPICAL SECTION
STA 81+77.95 TO STA 82+00.00



RTE 151 EXISTING TYPICAL SECTION
STA 82+00.00 TO STA 84+04.06

RTE 124 EXISTING TYPICAL SECTION
STA 84+04.06 TO STA 86+55.80

TYPICAL SECTION SHEET
SHEET 1 OF 2

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

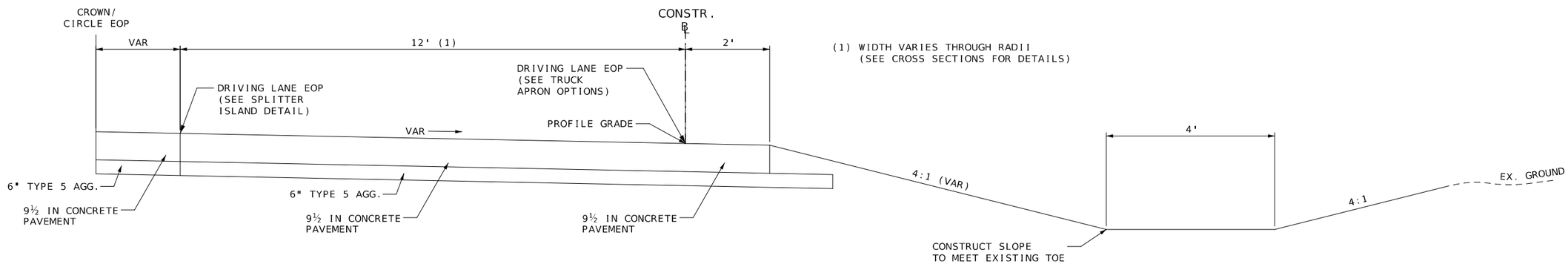
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

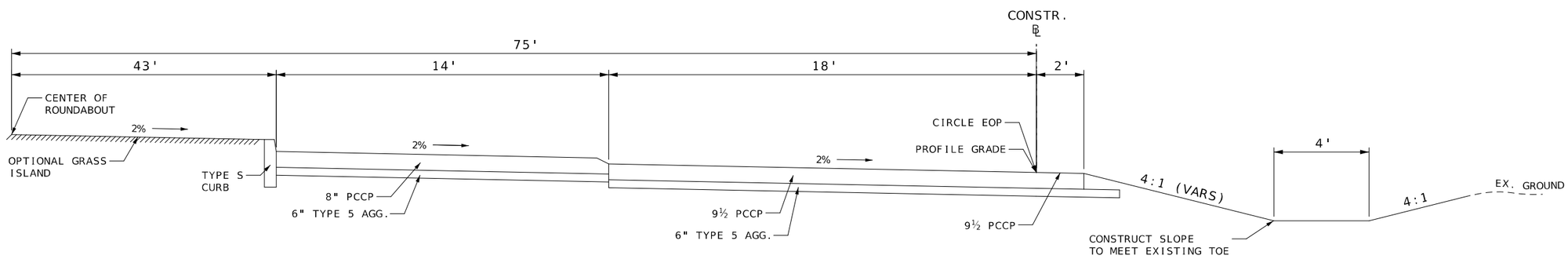
DESCRIPTION	DATE

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

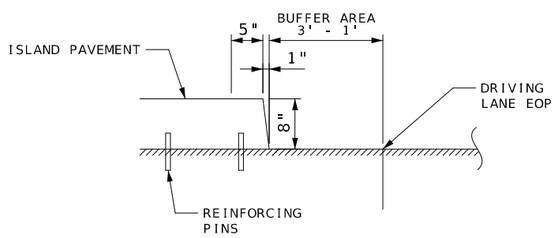
TYPICAL SECTION SHEET
SHEET 1 OF 2



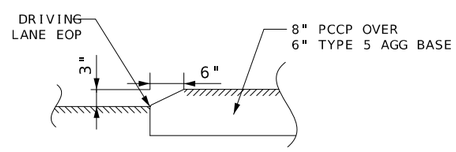
TYPICAL SECTION
22 W ENTRY STA 0+00.00 TO 1+92.37
124 EXIT STA 1+92.37 TO 3+97.66
124 ENTRY STA 0+00.00 TO 2+23.39
22 E EXIT STA 2+23.39 TO 4+69.35
22 E ENTRY STA 0+00.00 TO 2+07.42
151 EXIT STA 2+07.42 TO 3+61.38
151 ENTRY STA 0+00.00 TO 1+65.56
22 W EXIT STA 0+00.00 TO 2+21.44



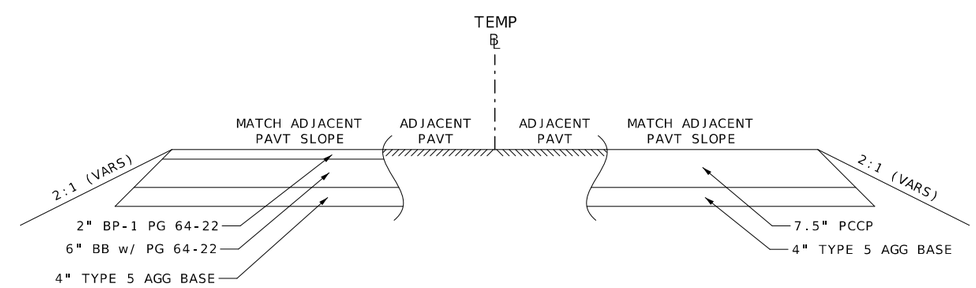
ROUNDABOUT PROPOSED TYPICAL SECTION
STA 0+00.00 TO STA 4+71.24



SPLITTER ISLAND CURB PROFILE
PINNED IN MONOLITHIC PAVEMENT



TRUCK APRON PROFILE



OPTIONAL TEMPORARY PAVEMENT DETAIL

TYPICAL SECTION SHEET
SHEET 2 OF 2

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY BOONE	
JOB NO. JCD0030	
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)

TYPICAL SECTION SHEET
SHEET 2 OF 2

TEMPORARY SURFACING

STATION TO	LOCATION	MISC. TEMPORARY SURFACING TONS	REMARKS
82+11.00	RTE 151 EX CL	100	ROAD CLOSURE ACCESS
	TOTAL	100	
	USE	100	

REMOVAL OF IMPROVEMENTS

STATION	LOCATION	QUANTITY	UNIT	REMARKS
STAGE 1 CONSTRUCTION				
SIGNS (SEE SIGNING SHEETS FOR DETAILS)				
236+19.00	RTE 22 EX CL Rt.	1	EA	SIGN
238+47.00	RTE 22 EX CL Rt.	1	EA	SIGN W/ POSTS
240+12.00	RTE 22 EX CL Rt.	3	EA	SIGNS W/ POSTS
242+52.00	RTE 22 EX CL Rt.	1	EA	SIGNS W/ POST
242+59.00	RTE 22 EX CL Lt.	1	EA	SIGN W/ POST
243+74.00	RTE 22 EX CL Lt.	1	EA	SIGNS W/ POST
246+99.00	RTE 22 EX CL Rt.	1	EA	SIGN W/ POST
248+60.00	RTE 22 EX CL Lt.	1	EA	SIGNS W/ POST
250+98.00	RTE 22 EX CL Lt.	1	EA	SIGN W/ POSTS
79+59.00	RTE 151 EX CL Rt.	1	EA	SIGN W/ POSTS
82+19.00	RTE 151 EX CL Rt.	1	EA	SIGNS W/ POST
82+79.00	RTE 151 EX CL Rt.	1	EA	SIGNS W/ POST
82+90.00	RTE 151 EX CL Lt.	1	EA	SIGNS W/ POST
83+73.00	RTE 151 EX CL Rt.	1	EA	SIGNS W/ POST
83+70.00	RTE 151 EX CL Lt.	1	EA	SIGN W/ POST
83+85.00	RTE 151 EX CL Rt.	1	EA	SIGNS W/ POST
84+25.00	RTE 124 EX CL Lt.	1	EA	SIGN W/ POST
84+39.00	RTE 124 EX CL Lt.	1	EA	SIGNS W/ POST
84+35.00	RTE 124 EX CL Rt.	1	EA	SIGN W/ POST
85+15.00	RTE 124 EX CL Rt.	1	EA	SIGNS W/ POST
85+47.00	RTE 124 EX CL Lt.	1	EA	SIGNS W/ POST
86+51.00	RTE 124 EX CL Rt.	1	EA	SIGNS W/ POST
87+71.00	RTE 124 EX CL Lt.	1	EA	SIGN W/ POSTS
90+33.00	RTE 124 EX CL Lt.	1	EA	SIGN W/ POST
90+51.00	RTE 124 EX CL Lt.	1	EA	SIGN W/ POST
STAGE 2 CONSTRUCTION				
SAWCUTS (SEE PLAN SHEETS FOR DETAILS)				
243+00.15	RTE 22 EX CL	13	LF	START PROJECT
243+00.15	RTE 22 EX CL	536	LF	OFFSET 2' ALONG RTE 22 W/E CON CL
248+36.50	RTE 22 EX CL	13	LF	END PROJECT
81+77.96	RTE 151 EX CL	40	LF	START/END PROJECT RTE 151
CONCRETE PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 151 EX CL	1,991	SY	
	RTE 22 EX CL	779	SY	
ASPHALT PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
81+77.96	RTE 151	99	SY	
STAGE 3 CONSTRUCTION				
SAWCUTS (SEE PLAN SHEETS FOR DETAILS)				
86+55.96	RTE 124 EX CL	22	LF	START/END PROJECT RTE 124
86+55.96	RTE 124 EX CL	266	LF	OFFSET 2' ALONG RTE 124 CON CL
248+36.50	RTE 22 EX CL	9	LF	END PROJECT RTE 22
CONCRETE PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 124 EX CL	1,211	SY	
	RTE 22 EX CL	284	SY	
ASPHALT PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 22	288	SY	TEMP PAVT FROM RTE 22 BYPASS
STAGE 4 CONSTRUCTION				
SAWCUTS (SEE PLAN SHEETS FOR DETAILS)				
86+55.96	RTE 124 EX CL	18	LF	START/END PROJECT RTE 124
243+00.15	RTE 22 EX CL	9	LF	START PROJECT RTE 22
243+00	RTE 22 EX CL	114	LF	FOR REMOVAL OF TEMP PAVT FROM EX ASPHALT
CONCRETE PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 124 EX CL	998	SY	
	RTE 22 EX CL	244	SY	
ASPHALT PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 22 EX CL	320	SY	TEMP PAVT FROM RTE 22 BYPASS
	RTE 124 EX CL	146	SY	TEMP PAVT FROM RTE 124 BYPASS
STAGE 5 CONSTRUCTION				
ASPHALT PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	CIRCLE	645	SY	REMOVE TEMP PAVT FOR CENTER ISLAND
STAGE 6 CONSTRUCTION				
SAWCUTS (SEE PLAN SHEETS FOR DETAILS)				
	RTE 22 EX CL	149	LF	FOR REMOVAL OF TEMP PAVT FROM EX ASPHALT
	RTE 22 EX CL	151	LF	FOR REMOVAL OF TEMP PAVT FROM EX ASPHALT
ASPHALT PAVEMENT (SEE PLAN SHEETS FOR DETAILS)				
	RTE 22 EX CL	316	SY	TEMP PAVT FROM STG 2 CONSTR.
	RTE 22 EX CL	302	SY	TEMP PAVT FROM STG 2 CONSTR.
	RTE 124 EX CL	248	SY	TEMP PAVT FROM STG 3 CONSTR.
	TOTAL	1	LS	

GRADING

STATION TO	STATION FROM	LOCATION	CLASS A EXCAVATION CUYD	EMBANKMENT IN PLACE CUYD	COMPACTING EMBANKMENT CUYD	REMARKS
STAGE 1 CONSTRUCTION						
241+85.77	244+18.12	RTE 22 EX CL	68	0	68	
246+48.05	248+47.98	RTE 22 EX CL	90	0	16	
		STAGE 1 (SUBTOTAL)	158	0	84	
STAGE 2 CONSTRUCTION						
00+00.00	01+48.82	RTE 22 W TEMP PAVT	46	0	7	
00+00.00	02+21.44	RTE 22 W EXIT w/ TEMP PAVT	146	0	37	
00+00.00	02+07.42	RTE 22 E ENTRY w/ TEMP PAVT	196	0	27	
06+88.59	08+38.89	RTE 22 E TEMP PAVT	25	0	14	
00+00.00	01+65.56	RTE 151 ENTRY	49	0	37	
02+07.42	03+61.37	RTE 151 EXIT	75	0	28	
00+42.00	01+48.82	RTE 124 TEMP PAVT	42	0	4	
00+00.00	04+64.23	CIRCLE	26	0	244	
03+64.52	04+49.32	CIRCLE TEMP PAVT	0	0	149	
		STAGE 2 (SUBTOTAL)	605	0	547	
STAGE 3 CONSTRUCTION						
00+40.51	01+53.24	RTE 124 TEMP PAVT	17	0	1	
00+00.00	02+23.39	RTE 124 ENTRY w/ TEMP PAVT	141	0	15	
02+25.00	04+69.35	RTE 22 E EXIT	158	0	5	
03+46.03	04+64.23	CIRCLE	8	0	39	
		STAGE 3 (SUBTOTAL)	324	0	60	
STAGE 4 CONSTRUCTION						
01+92.37	03+97.66	RTE 124 EXIT	87	0	31	
00+00.00	01+92.40	RTE 22 W ENTRY	233	0	24	
00+41.99	01+52.76	RTE 124 TEMP PAVT REMOVAL	6	0	7	
241+85.77	243+00.15	RTE 22 W TEMP PAVT REMOVAL	58	0	8	
02+52.55	03+46.03	CIRCLE	0	0	86	
		STAGE 4 (SUBTOTAL)	384	0	156	
STAGE 5 CONSTRUCTION						
00+00.00	04+50.00	CENTER ISLAND	7	516	392	
		STAGE 5 (SUBTOTAL)	7	516	392	
STAGE 6 CONSTRUCTION						
00+52.80	01+49.00	RTE 22 W STG 2 TEMP PAVT AREA	7	0	7	
00+73.90	02+21.40	RTE 22 W STG 2 TEMP PAVT AREA	11	0	10	
00+00.00	01+59.48	RTE 22 E STG 2 TEMP PAVT AREA	16	0	17	
06+88.60	07+76.56	RTE 22 E STG 2 TEMP PAVT AREA	22	0	11	
00+40.51	01+53.24	RTE 124 STG 4 TEMP PAVT AREA	60	0	4	
00+00.00	01+70.81	RTE 124 STG 4 TEMP PAVT AREA	165	0	13	
		STAGE 6 (SUBTOTAL)	281	0	62	

STAGE 1 (SUBTOTAL)	158	0	84
STAGE 2 (SUBTOTAL)	605	0	547
STAGE 3 (SUBTOTAL)	324	0	60
STAGE 4 (SUBTOTAL)	384	0	156
STAGE 5 (SUBTOTAL)	7	516	392
STAGE 6 (SUBTOTAL)	281	0	62
TOTAL	1,759	516	1,301
USE	1,759	516	1,301

SUMMARY OF QUANTITIES
SHEET 1 OF 5

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
BOONE

JOB NO.
JCD0030

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)

SUMMARY OF QUANTITIES SHEET
SHEET 1 OF 5

AGGREGATE FOR BASE

STATION TO	STATION FROM	LOCATION	TYPE 5 AGG. FOR BASE (4 IN. THICK) (SY)	TYPE 5 AGG. FOR BASE (6 IN. THICK) (SY)	REMARK
STAGE 1 CONSTRUCTION					
241+85.77	244+18.13	RTE 22 EX CL	288		TEMP PAVT
246+48.04	248+48.00	RTE 22 EX CL	320		TEMP PAVT
STAGE 2 CONSTRUCTION					
2+07.42	3+61.38	RTE 151 EXIT LEG		333.8	
0+00.00	1+65.56	RTE 151 ENTRY LEG		391.7	
0+00.00	1+48.82	STG 2 RTE 22 TEMP BL	183		TEMP PAVT
0+00.00	2+21.44	RTE 22 W EXIT LEG	131.1	481.9	PAVEMENT AND TEMP PAVT
0+00.00	2+07.42	RTE 22 E ENTRY LEG	112.1	645.4	TRUCK APRON, PAVT, & TEMP PAVT
6+88.59	8+38.89	STG 2 RTE 22 TEMP BL	186.2		TEMP PAVT
4+64.23	2+52.54	CIRCLE		725.9	TRUCK APRON AND PAVEMENT
03+64.52	04+49.32	CIRCLE TEMP PAVT	387.6		TEMP PAVT
00+41.99	01+48.82	STG 2 RTE 124 TEMP BL	146		TEMP PAVT
STAGE 3 CONSTRUCTION					
3+46.64	4+64.23	CIRCLE		330.6	TRUCK APRON AND PAVEMENT
3+46.64	4+64.23	CIRCLE TEMP PAVT	152.4		TEMP PAVT
0+40.51	1+53.24	STG 3 RTE 124 TEMP BL	64		TEMP PAVT
0+00.00	2+23.39	RTE 124 ENTRY LEG	183	466.7	PAVEMENT AND TEMP PAVT
2+23.39	4+69.35	RTE 22 E EXIT LEG		482.7	
STAGE 4 CONSTRUCTION					
2+52.54	3+46.64	CIRCLE		261.3	TRUCK APRON AND PAVEMENT
0+00.00	1+92.37	RTE 22 W ENTRY		514.0	TRUCK APRON AND PAVEMENT
1+92.37	3+97.66	RTE 124 EXIT		651	
		TOTAL	2153.4	5285	
		USE	2,153.00	5,285.00	

GRAVEL (A), CRUSHED STONE (B)

STATION TO	STATION FROM	LOCATION	GRAVEL (A) OR CRUSHED STONE (B) TONS	REMARKS
247+70.00		RTE 22 EX CL	5	P.E.
249+00.00		RTE 22 EX CL	5	P.E.
241+50.00	243+00.00	RTE 22 EX CL - Lt.	28.9	REPLACE AGG SHLDR
241+80.00	243+00.00	RTE 22 EX CL - Rt.	24.2	REPLACE AGG SHLDR
248+36.50	249+80.00	RTE 22 EX CL - Lt.	28.5	REPLACE AGG SHLDR
		TOTAL	91.6	
		USE	92	

CONCRETE CURB

STATION FROM	STATION TO	LOCATION	CONCRETE CURB (OVER 6 IN. HEIGHT) TYPE S (LF)	REMARKS
		CIRCLE	248.9	CENTER ISLAND
		TOTAL	249.0	

MOBILIZATION
TOTAL = 1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING
TOTAL = 4 UNITS
USE = 4 UNITS

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

PAVEMENT

STATION TO	STATION FROM	LOCATION	9 1/2 IN NON- REIN, 15' JOINTS (SY)	8 IN PCCP (SY)	OPTIONAL TEMP PAVT (SY)	REMARK
STAGE 1 CONSTRUCTION						
241+85.77	244+18.13	RTE 22 EX CL			288.0	TEMP PAVT
246+48.04	248+48.00	RTE 22 EX CL			320.0	TEMP PAVT
STAGE 2 CONSTRUCTION						
2+07.42	3+61.38	RTE 151 EXIT LEG	333.8			
0+00.00	1+65.56	RTE 151 ENTRY LEG	391.7			
0+00.00	1+48.82	STG 2 RTE 22 TEMP BL			183.0	TEMP PAVT
0+00.00	2+21.44	RTE 22 W EXIT LEG	481.9		131.1	PAVEMENT AND TEMP PAVT
0+00.00	2+07.42	RTE 22 E ENTRY LEG	599.4	46.0	112.1	TRUCK APRON, PAVT, & TEMP PAVT
6+88.59	8+38.89	STG 2 RTE 22 TEMP BL			186.2	TEMP PAVT
4+64.23	2+52.54	CIRCLE	456.8	269.1		TRUCK APRON AND PAVEMENT
03+64.52	04+49.32	CIRCLE TEMP PAVT			387.6	TEMP PAVT
00+41.99	01+48.82	STG 2 RTE 124 TEMP BL			146.0	TEMP PAVT
STAGE 3 CONSTRUCTION						
3+46.64	4+64.23	CIRCLE	208.0	122.6		TRUCK APRON AND PAVEMENT
3+46.64	4+64.23	CIRCLE TEMP PAVT			152.4	TEMP PAVT
0+40.51	1+53.24	STG 3 RTE 124 TEMP BL			64.0	TEMP PAVT
0+00.00	2+23.39	RTE 124 ENTRY LEG	466.7		183.0	PAVEMENT AND TEMP PAVT
2+23.39	4+69.35	RTE 22 E EXIT LEG	482.7			
STAGE 4 CONSTRUCTION						
2+52.54	3+46.64	CIRCLE	164.4	96.9		TRUCK APRON AND PAVEMENT
0+00.00	1+92.37	RTE 22 W ENTRY	473.7	40.3		TRUCK APRON AND PAVEMENT
1+92.37	3+97.66	RTE 124 EXIT	651.0			
STAGE 5 CONSTRUCTION						
2+62.00		RTE 22 W CON CL		109.9		RTE 22 W ISLAND
1+00.00		RTE 22 E CON CL		107.6		RTE 22 E ISLAND
0+97.00		RTE 151 CON CL		107.6		RTE 151 ISLAND
0+97.00		RTE 124 CON CL		109.7		RTE 124 ISLAND
		TOTAL	4,710.1	1,009.7	2,153.4	
		USE	4,710.0	1,010.0	2,153.0	

EROSION CONTROL

STATION FROM	LOCATION	ROCK DITCH CHECK LF	SEDIMENT REMOVAL CUYD	REMARKS
241+90.00	RTE 22 EX CL Rt.	8	10	PLACE BEFORE ENTRANCE CULVERT
241+45.00	RTE 22 EX CL Lt.	8	10	PLACE APPROX. BEFORE STG 2 TEMP PAVT
243+00.00	RTE 22 EX CL Lt.	8	10	PLACE AT START OF PROJECT LIMITS
243+00.00	RTE 22 EX CL Rt.	8	10	PLACE AT START OF PROJECT LIMITS
244+45.00	RTE 22 EX CL Rt.	8	10	PLACE NEAR SOUTHWEST CORNER OF PROJECT
86+20.00	RTE 124 EX CL Rt.	8	10	PLACE DOWNSTREAM OF CULVERT
86+24.00	RTE 124 EX CL Lt.	16	20	2 RDC's, PLACE UPSTREAM OF CULVERT
246+12.00	RTE 22 EX CL Rt.	8	10	PLACE NEAR SOUTHEAST CORNER OF PRJECT
248+00.00	RTE 22 EX CL Lt.	8	10	PLACE DOWNSTREAM OF CULVERT
247+26.00	RTE EX CL Lt.	8	10	PLACE DOWNSTREAM OF CULVERT
82+20.00	RTE 151 EX CL Rt.	8	10	PLACE UPSTREAM OF CULVERT
81+87.00	RTE 151 EX CL Lt.	8	10	PLACE AT START OF PROJECT LIMITS
	TOTAL	104	130	
	USE	104	130	

SEEDING AND MULCHING

STATION FROM	STATION TO	LOCATION	LENGTH FT	SEEDING & MULCHING MISC. LS	REMARKS
243+00.15	248+36.50	RTE 22 EX CL	536.35	1	PROJECT LIMITS
			TOTAL	1	
			USE	1	

SUMMARY OF QUANTITIES
SHEET 2 OF 5

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
${Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
BOONE

JOB NO.
JCD0030

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)

SUMMARY OF QUANTITIES SHEET
SHEET 2 OF 5

PAVEMENT MARKING

STATION FROM	STATION TO	LOCATION	LENGTH (FT)	HIGH BUILD WATERBORNE PAV. MARK. PAINT, TYPE P BEADS 4" SOLID YELLOW (FT)	4" SOLID WHITE (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING 24" SOLID YELLOW (FT)	24" SOLID WHITE (FT)	YEILD LINE TRIANGLES (EACH)	TEMPORARY REMOVABLE MARKING TAPE 4 " WHITE (LF)	4" YELLOW (LF)	REMARKS
241+60.00	248+90.00	RTE 22 EX CL							1,345	1,588	SEE TC SHEET #4
00+00.00	08+40.00	RTE 22 STG 2 BYPASS							1,507	1,681	SEE TC SHEET #5
00+60.00	02+15.00	RTE 151 CON CL							348	271	SEE TC SHEET #5
00+00.00	03+70.00	RTE 124 STG 2 BYPASS							797	764	SEE TC SHEET #5
00+00.00	03+80.00	RTE 124 STG 3 BYPASS							797	764	SEE TC SHEET #6
0+00.00	0+55.57	22 W ENTRY LEG	55.15	110.3							CENTERLINE
0+55.57	172+51.00	22 W ENTRY LEG	131.10	262.2		22					ISLAND/TAPER EDGE LINE
0+00.00	1+92.37	22 W ENTRY LEG	192.37		198.85						OUTSIDE EOP
1+73.00		22 W ENTRY LEG						9			
1+92.37	3+97.66	124 EXIT LEG	205.29		209.00		60				OUTSIDE EOP
2+10.00	3+34.00	124 EXIT LEG	124.00	136							ISLAND/TAPER EDGE LINE
0+00.00	0+67.18	124 ENTRY LEG	67.18	134.36							CENTERLINE
0+67.18	1+90.21	124 ENTRY LEG	123.03	131.22		22					ISLAND/TAPER EDGELINE
0+00.00	2+23.39	124 ENTRY LEG	223.39		223.62						OUTSIDE EOP
1+89.87		124 ENTRY LEG						9			
2+23.39	4+69.35	22 E EXIT LEG	245.96		246						OUTSIDE EOP
2+58.66	3+90.11	22 E EXIT LEG	131.45	135.82							ISLAND/TAPER EDGELINE
0+00.00	0+79.67	22 E ENTRY LEG	79.67	159.76							CENTERLINE
0+79.67	1+91.00	22 E ENTRY LEG	111.33	129.6		22					ISLAND/TAPER EDGELINE
0+00.00	2+07.42	22 E ENTRY LEG	207.42		216						OUTSIDE EOP
1+92.88		22 E ENTRY LEG						9			
2+07.42	3+61.38	151 EXIT LEG	153.96		160.8		69				OUTSIDE EOP
2+24.11	3+50.54	151 EXIT LEG	126.43	135.9							ISLAND/TAPER EDGELINE
0+00.00	0+11.19	151 ENTRY LEG	11.19	22.38							CENTERLINE
0+11.19	1+30.36	151 ENTRY LEG	119.17	129.5		22					ISLAND/TAPER EDGELINE
0+00.00	1+65.56	151 ENTRY LEG	165.56								OUTSIDE EOP
1+31.00		151 ENTRY LEG						9			
0+00.00	2+21.44	22 W EXIT LEG	221.44		221.76						OUTSIDE EOP
0+37.83	1+68.28	22 W EXIT LEG	130.45	136.32							ISLAND/TAPER EDGELINE
0+00.00	4+71.24	CIRCLE_BL	471.24	361.28							INSIDE EDGELINE
0+00.00	4+71.24	CIRCLE_BL	471.24		267.275						OUTSIDE EDGELINE
			TOTAL	1,984.6	1,743.3	88.0	129.0	36.0	4,794.0	5,068.0	
			USE	1,985	1,743	88	129	36	4,794	5,068	

LIGHTING

STATION	LOCATION	FIXTURE #	CENTER TO CENTER DISTANCE FT	LIGHTING POLE 30 FT TYPE AT EA	POLE FOUNDATION (30 FT. MOUNT HEIGHT) EA	BRACKET ARM 15 FT. EA	LUMINAIRE LED-A EA	BASE MOUNTED CONTROL STATION 240 VOLT 4 CIRCUIT EA	PULL BOX PREFORMED CLASS 1 EA	CONDUIT 2 IN. RIGID IN TRENCH LF	CONDUIT 3 IN. RIGID IN TRENCH LF	CABLE-CONDUIT 1 IN. 2 CONDUCTORS 1 BARE NEUTRAL 2 AWG LF	CABLE-CONDUIT 1 IN. 2 CONDUCTORS 1 BARE NEUTRAL 8 AWG LF	CABLE 1 CONDUCTOR POLE & BRACKET 10 AWG LF	POWER SUPPLY ASSEMBLY TYPE 1 240/120 VOLT SERVICE EA	REMARKS
246+81.00	RTE 22 EX CL	9													1	
84+71.00	RTE 124 EX CL	10	89					1		89		105				
82+19.00	RTE 151 EX CL	16	46						1				57			
246+53.00	RTE 22 EX CL	7	109	1	1	1	1						117	90		
247+16.00	RTE 22 EX CL	8	81	1	1	1	1						91	90		
82+19.00	RTE 151 EX CL	16														
82+12.00	RTE 151 EX CL	15	45						1		45		51			
82+18.00	RTE 151 EX CL	6	6	1	1	1	1						14	90		
245+16.00	RTE 22 EX CL	5	141	1	1	1	1						151	90		
243+85.00	RTE 22 EX CL	14	148						1				156			
243+84.00	RTE 22 EX CL	13	43						1		43		49			
243+90.00	RTE 22 EX CL	4	6	1	1	1	1						14	90		
244+75.00	RTE 22 EX CL	3	91	1	1	1	1						101	90		
85+86.00	RTE 124 EX CL	12	106						1				114			
85+53.00	RTE 124 EX CL	11	47						1		47		53			
85+47.00	RTE 124 EX CL	2	6	1	1	1	1						14	90		
84+44.00	RTE 124 EX CL	1	110	1	1	1	1						120	90		
			TOTAL	8	8	8	8	1	6	89	135	105	1,102.00	720.00	1	
			USE	8	8	8	8	1	6	89	135	110	1100	720	1	

SUMMARY OF QUANTITIES
SHEET 3 OF 5

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
BOONE

JOB NO.
JCD0030

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)

SUMMARY OF QUANTITIES SHEET
SHEET 3 OF 5

TEMPORARY TRAFFIC CONTROL

BEGIN/ END PROJECT SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
CONST-7	48X24	8.00	4	32			60	RATE OUR WORK ZONE	
CONST-8	48X36	12.00	4	48			33	WORK ZONE NO PHONE ZONE	
CONST-5	48X36	12.00	4	48			61	POINT OF PRESENCE	
GO20-2	48X24	8.00	4	32			26	END ROAD WORK	
GO20-5aP	36X24	6.00	4	24			54	WORK ZONE (PLAQUE)	
R2-1	36X48	12.00	4	48			4	SPEED LIMIT XX	
	SUBTOTAL (1)			232		0			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161025	20	CHANNELIZER (TRIM LINE)	
6161099	4	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED	

DETOUR/ ROAD CLOSURE SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
R11-3a	60X30	12.50	1	12.5				ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	REMOVE AFTER STG 2 CONSTR.
R11-4	60X30	12.50	1	12.5				ROAD CLOSED TO THRU TRAFFIC	REMOVE AFTER STG 2 CONSTR.
	SUBTOTAL (2)			25		0			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161099	1	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED	REMOVE AFTER STG 2 CONSTR.

STAGE 1 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
WO5-5	48X48	16.00	1	16	1	16	34	NARROW LANES	RELOC FOR STG 6 CONSTR.
WO20-1	48X48	16.00	4	64	4	64	2	ROAD/BRIDGE/RAMP WORK AHEAD	RELOC FOR STG 2 CONSTR.
WO21-5	48X48	16.00	2	32	2	32	21	SHOULDER WORK AHEAD	RELOC FOR STG 2 CONSTR.
	SUBTOTAL (3)			112		112			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161008	4	ADVANCED WARNING RAIL SYSTEM	RELOC FOR STG 2 CONSTR.
6161025	45	CHANNELIZER (TRIM LINE)	RELOC FOR STG 2 CONSTR.

STAGE 2 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
WO20-1	48X48	16.00			2	32	2	ROAD/BRIDGE/RAMP WORK AHEAD	RELOC TWO FOR STG 3 CONSTR.
WO1-4L	48X48	16.00	2	32	2	32	15	REVERSE CURVE (SYMBOL LEFT ARROW)	RELOC FOR STG 3 CONSTR.
WO1-4R	48X48	16.00	2	32	2	32	15	REVERSE CURVE (SYMBOL RIGHT ARROW)	RELOC FOR STG 3 CONSTR.
WO13-1	30X30	6.25	2	12.5	2	12.5	44	ADVISORY SPEED (PLAQUE)	RELOC FOR STG 3 CONSTR.
WO20-3	48X48	16.00	2	32			20	ROAD CLOSED AHEAD	
WO16-2	30X24	5.00	1	5				350 FEET (PLAQUE)	
R11-2	48X30	10.00	1	10			29	ROAD CLOSED	
R1-1	48X48	16.00	1	16	1	16	41	STOP	RELOC FOR STG 3 CONSTR.
	SUBTOTAL (4)			139.5		124.5			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161008		ADVANCED WARNING RAIL SYSTEM	RELOC FOR STG 3 CONSTR.
6161025	100	CHANNELIZER (TRIM LINE)	ADD, RELOC FOR STG 3 CONSTR.
6161030	5	TYPE III MOVEABLE BARRICADE	ADD FOR STG 2 CONSTR.

STAGE 3 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
WO20-1	48X48	16.00			1	16	2	ROAD/BRIDGE/RAMP WORK AHEAD	RELOC FOR STG 4 CONSTR.
WO1-4L	48X48	16.00	2	32			15	REVERSE CURVE (SYMBOL LEFT ARROW)	ADD ONE, USE FROM STG 2 CONSTR.
WO1-4R	48X48	16.00					15	REVERSE CURVE (SYMBOL RIGHT ARROW)	USE FROM STG 2 CONSTR.
WO13-1	30X30	6.25	1	6.25			44	ADVISORY SPEED (PLAQUE)	ADD ONE, USE FROM STG 2 CONSTR.
R1-1	48X48	13.25	1	13.25	1	13.25	41	STOP	RELOC FOR STG 4 CONSTR.
	SUBTOTAL (5)			51.5		29.25			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161008		ADVANCED WARNING RAIL SYSTEM	RELOC FOR STG 4 CONSTR.
6161025		CHANNELIZER (TRIM LINE)	USE FROM STG 2 CONSTR.

STAGE 4 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
WO20-1	48X48	16.00					2	ROAD/BRIDGE/RAMP WORK AHEAD	USE FROM STG 3 CONSTR.
WO1-4L	48X48	16.00					15	REVERSE CURVE (SYMBOL LEFT ARROW)	USE FROM STG 3 CONSTR.
WO1-4R	48X48	16.00	2	32			15	REVERSE CURVE (SYMBOL RIGHT ARROW)	ADD ONE, USE FROM STG 3 CONSTR.
WO13-1	30X30	6.25					44	ADVISORY SPEED (PLAQUE)	USE FROM STG 3 CONSTR.
R1-1	48X48	13.25					41	STOP	USE FROM STG 3 CONSTR.
	SUBTOTAL (6)			32		0			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161008		ADVANCED WARNING RAIL SYSTEM	USE FROM STG 3 CONSTR.
6161025		CHANNELIZER (TRIM LINE)	USE FROM STG 3 CONSTR.

STAGE 5 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
R1-2	48TRI.	6.93	4	27.72			13	YIELD	
R4-7	24x30	5	4	20			99	KEEP RIGHT	
WO5-5	48X48	16.00	3	48			34	NARROW LANES	
	SUBTOTAL (7)			95.72		0			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161025		CHANNELIZER (TRIM LINE)	USE FROM PREV. STAGES

STAGE 6 CONSTRUCTION SIGNING

SIGN	SIZE IN.	AREA SF	QTY EA	TOTAL AREA SF	QTY RELOC EA	TOTAL RELOC SF	SIGN NUM.	DESCRIPTION	REMARK
WO20-1	48X48	16.00					2	ROAD/BRIDGE/RAMP WORK AHEAD	USE FROM PREV. STAGES
WO21-5	48X48	16.00					21	SHOULDER WORK AHEAD	USE FROM PREV. STAGES
WO5-5	48X48	16.00					34	NARROW LANES	USE FROM PREV. STAGES
	SUBTOTAL (8)			0		0			

ITEM NUMBER	TOTAL QTY	DESCRIPTION	REMARK
6161008		ADVANCED WARNING RAIL SYSTEM	USE FROM PREV. STAGES
6161025		CHANNELIZER (TRIM LINE)	USE FROM PREV. STAGES

SUMMARY OF QUANTITIES
SHEET 4 OF 5

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
BOONE

JOB NO.
JCD0030

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)

SUMMARY OF QUANTITIES SHEET
SHEET 4 OF 5

TEMPORARY TRAFFIC CONTROL (CONTINUED)					
CONSTRUCTION SIGNS		RELOCATED SIGNS		CHANNELIZERS (TRIM LINE)	165
SUBTOTAL (1)	232	SUBTOTAL (1)	0	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED	5
SUBTOTAL (2)	25	SUBTOTAL (2)	0		
SUBTOTAL (3)	112	SUBTOTAL (3)	112	ADVANCED WARNING RAIL SYSTEM	4
SUBTOTAL (4)	139.5	SUBTOTAL (4)	124.5	TYPE III MOVEABLE BARRICADE	5
SUBTOTAL (5)	51.5	SUBTOTAL (5)	29.25		
SUBTOTAL (6)	32	SUBTOTAL (6)	0		
SUBTOTAL (7)	95.72	SUBTOTAL (7)	0		
SUBTOTAL (8)	0	SUBTOTAL (8)	0		
TOTAL	687.72	TOTAL	265.75		
USE	688	USE	266		

SUMMARY OF QUANTITIES
SHEET 5 OF 5

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
$[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

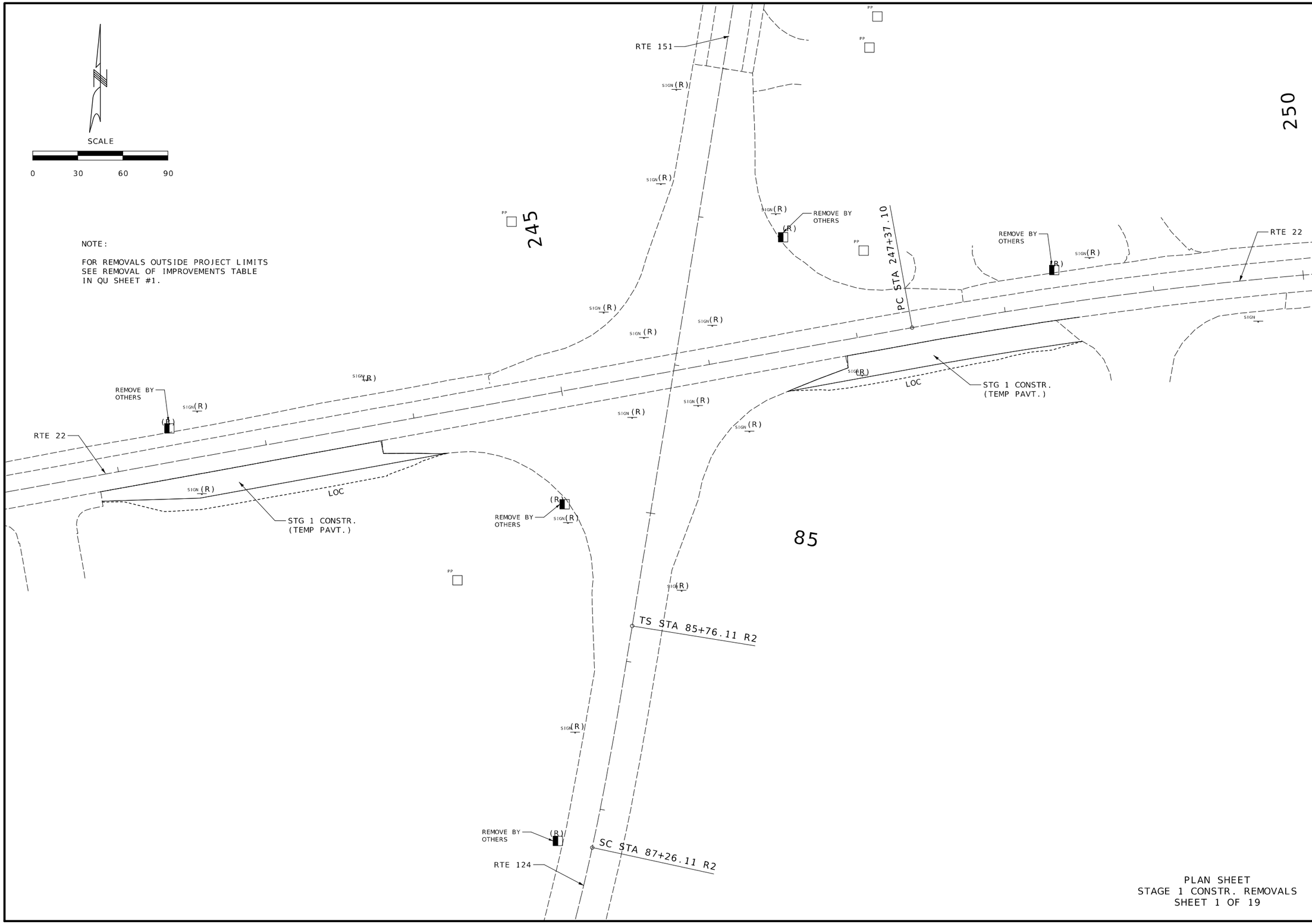
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES SHEET
SHEET 5 OF 5



PLAN SHEET
STAGE 1 CONSTR. REMOVALS
SHEET 1 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	4
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

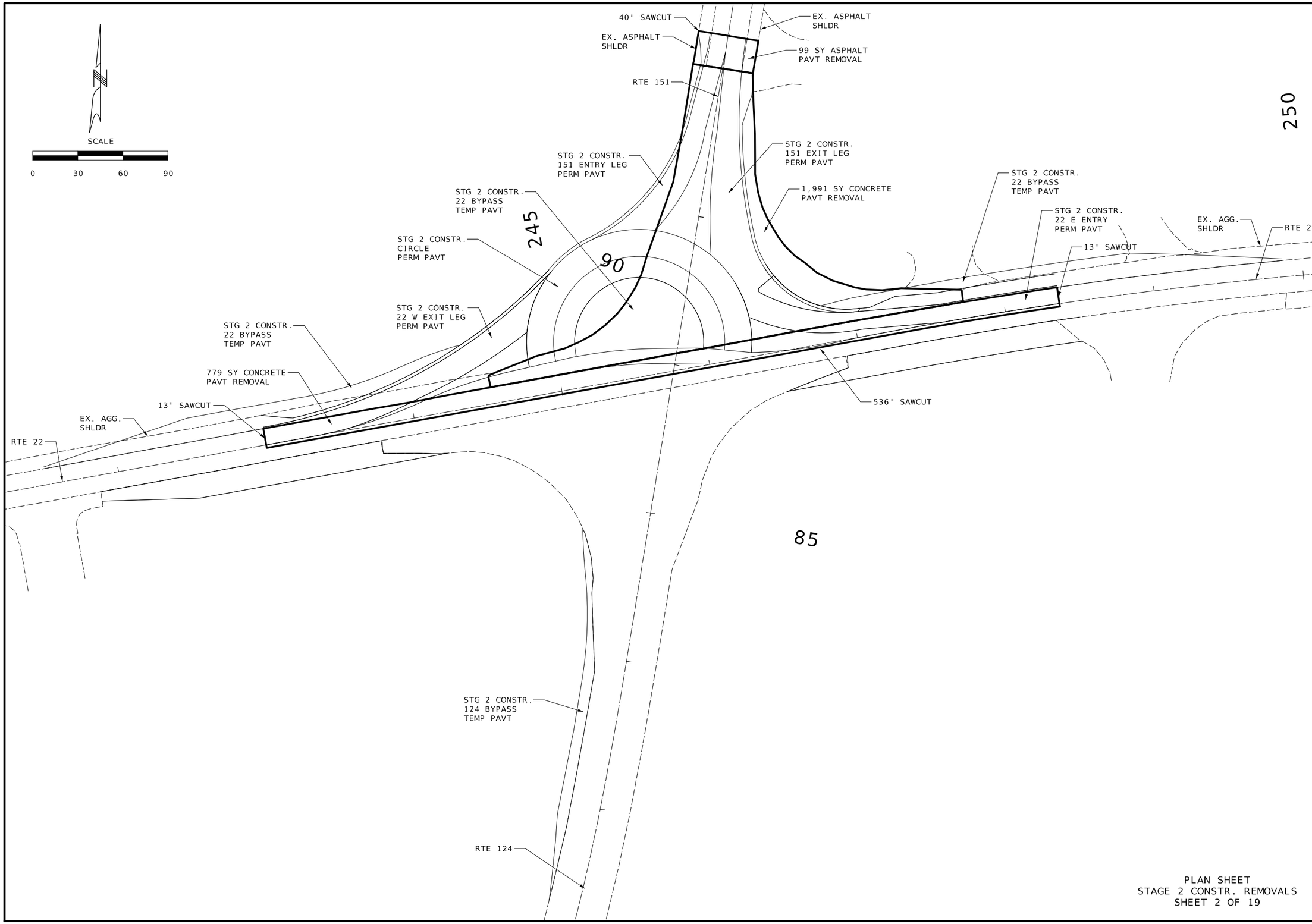
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 1 CONSTR. REMOVALS
SHEET 1 OF 19



PLAN SHEET
STAGE 2 CONSTR. REMOVALS
SHEET 2 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	5
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

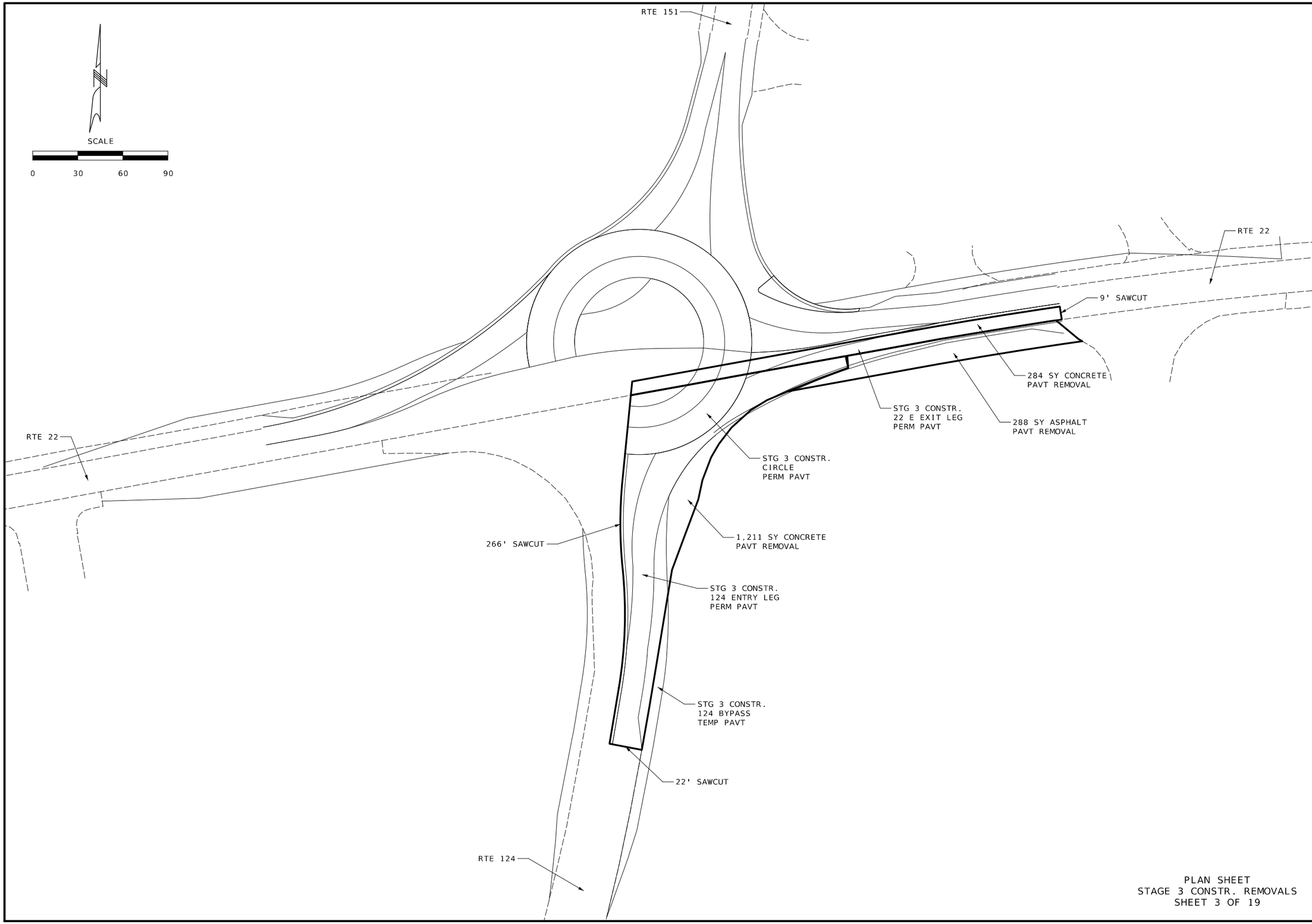
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 2 CONSTR. REMOVALS
SHEET 2 OF 19



PLAN SHEET
STAGE 3 CONSTR. REMOVALS
SHEET 3 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

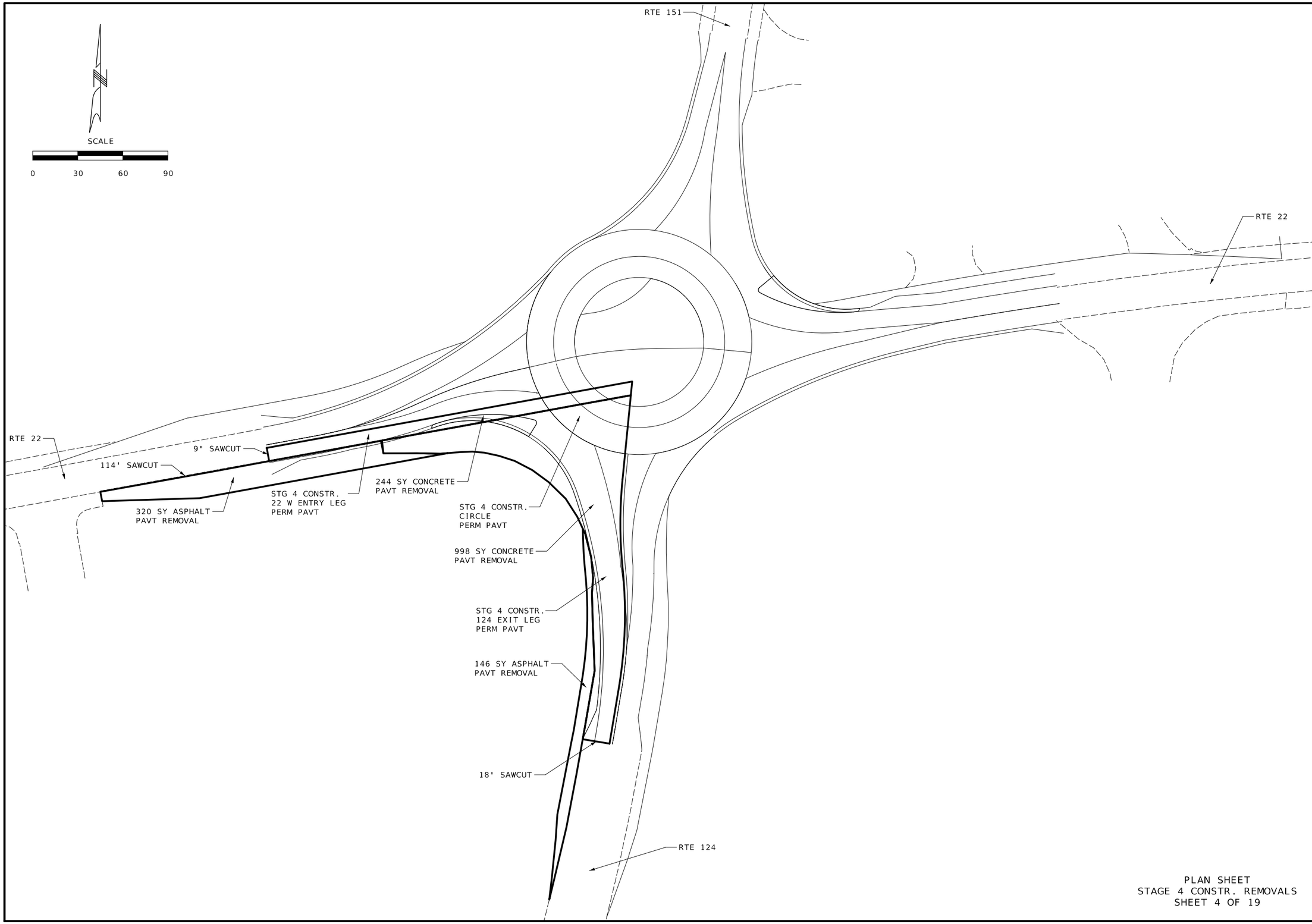
DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	6
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 3 CONSTR. REMOVALS
SHEET 3 OF 19



PLAN SHEET
STAGE 4 CONSTR. REMOVALS
SHEET 4 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

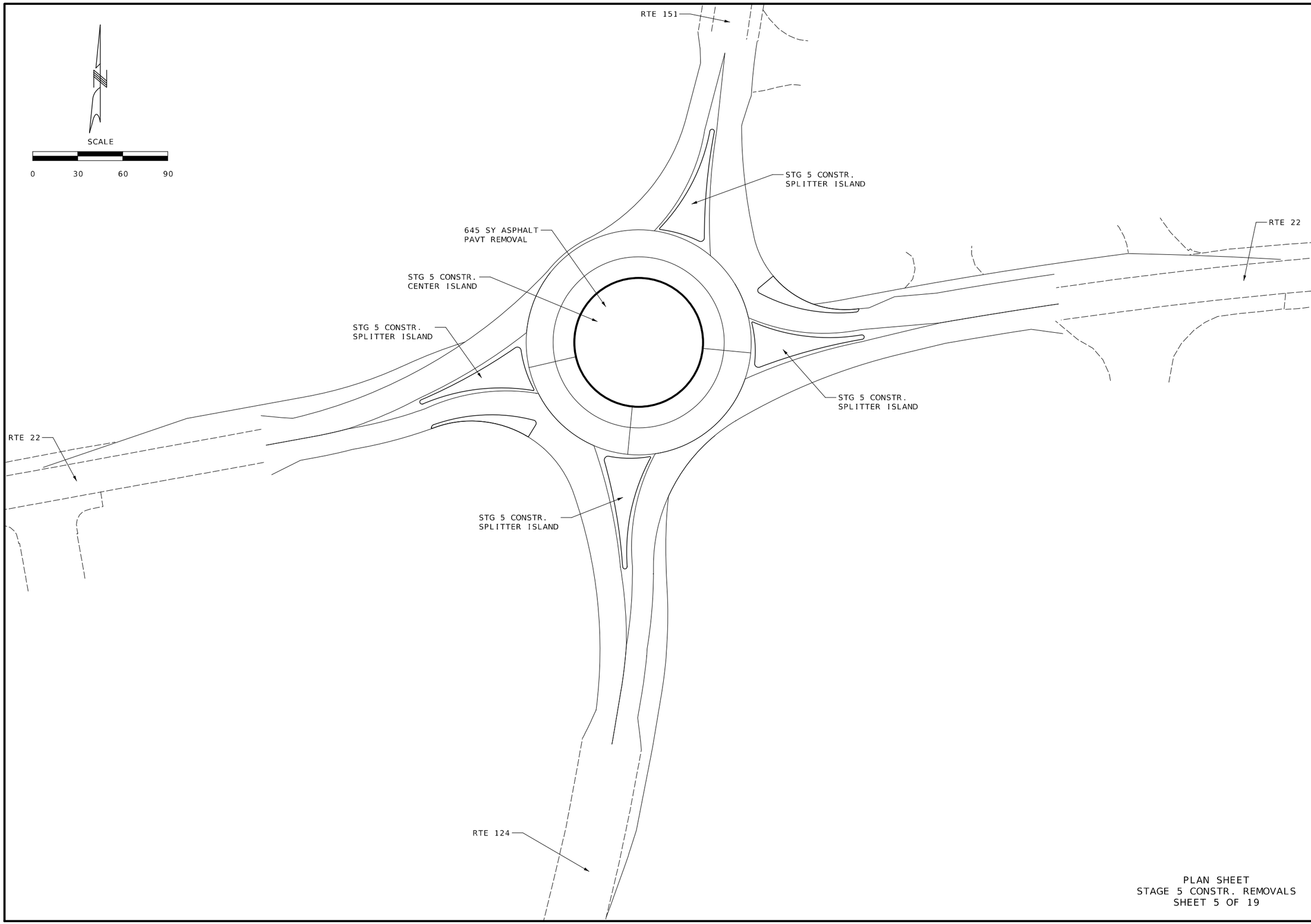
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	7
COUNTY	BOONE
JOB NO.	JCD0030
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)

PLAN SHEET
STAGE 4 CONSTR. REMOVALS
SHEET 4 OF 19



PLAN SHEET
STAGE 5 CONSTR. REMOVALS
SHEET 5 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8(Date) 8(Time)
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	
2/23/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 8
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

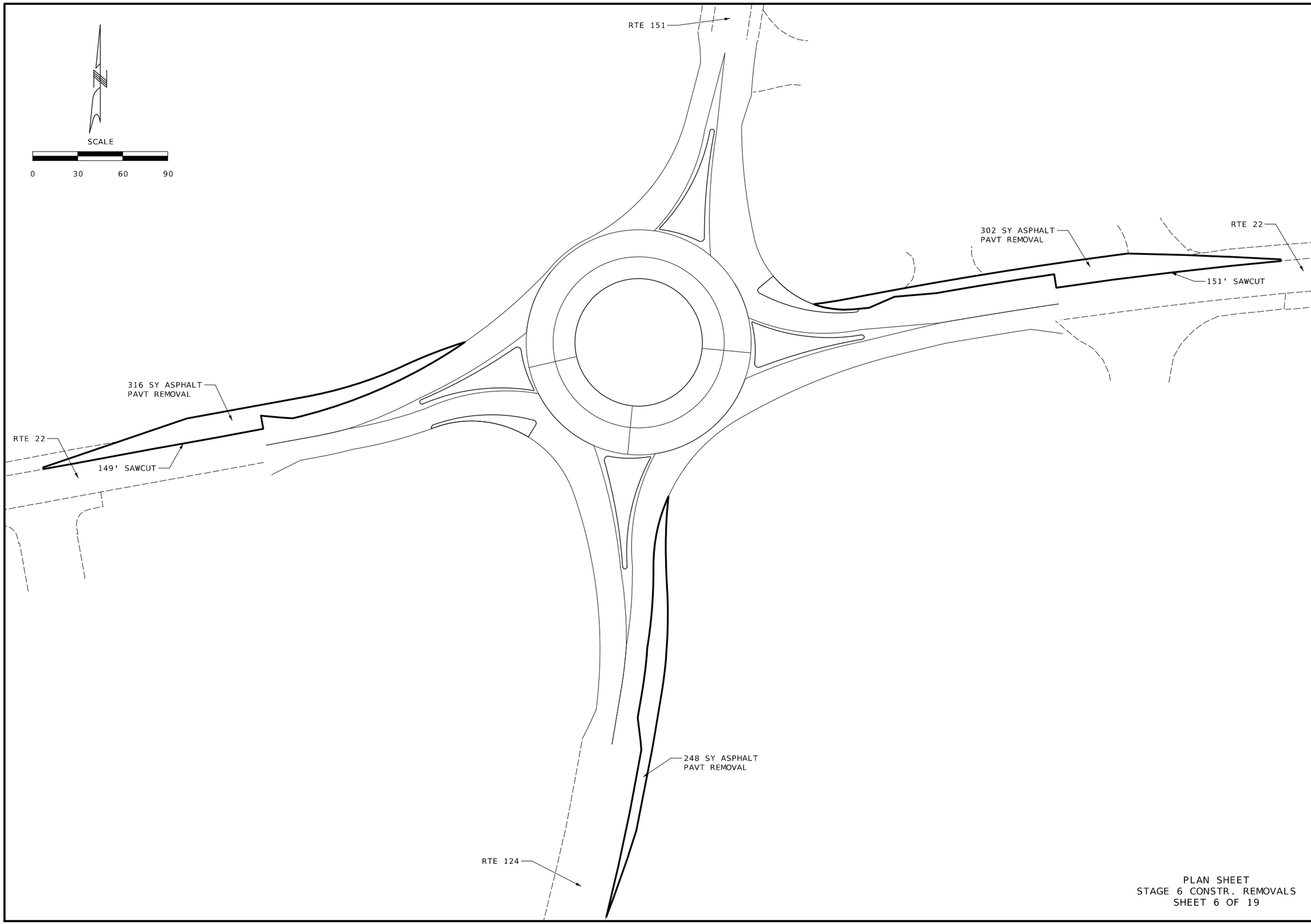
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

PLAN SHEET
STAGE 5 CONSTR. REMOVALS
SHEET 5 OF 19



PLAN SHEET
STAGE 6 CONSTR. REMOVALS
SHEET 6 OF 19

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	9
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

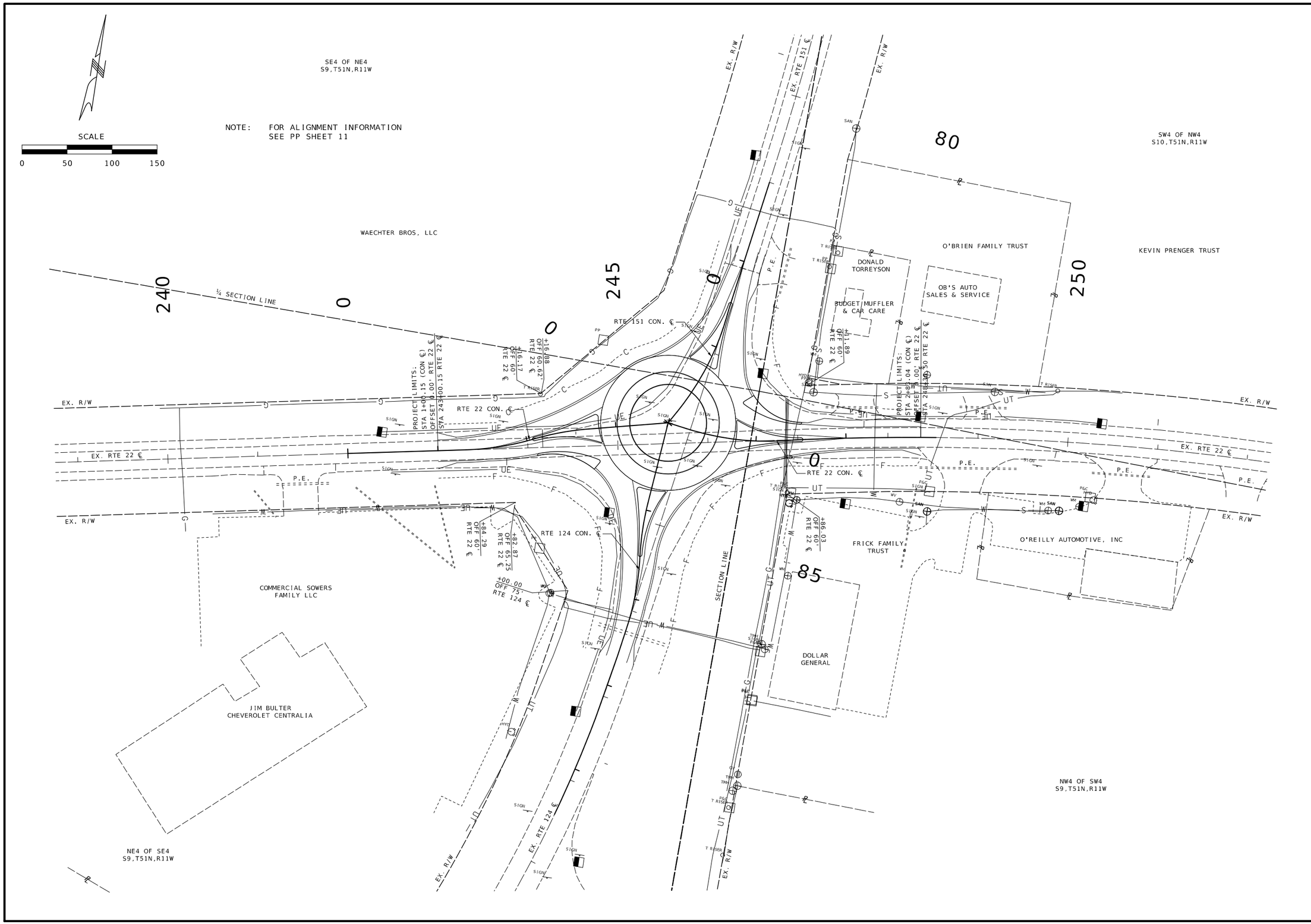
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 6 CONSTR. REMOVALS
SHEET 6 OF 19



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

8(Date) &(Time)
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 10
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

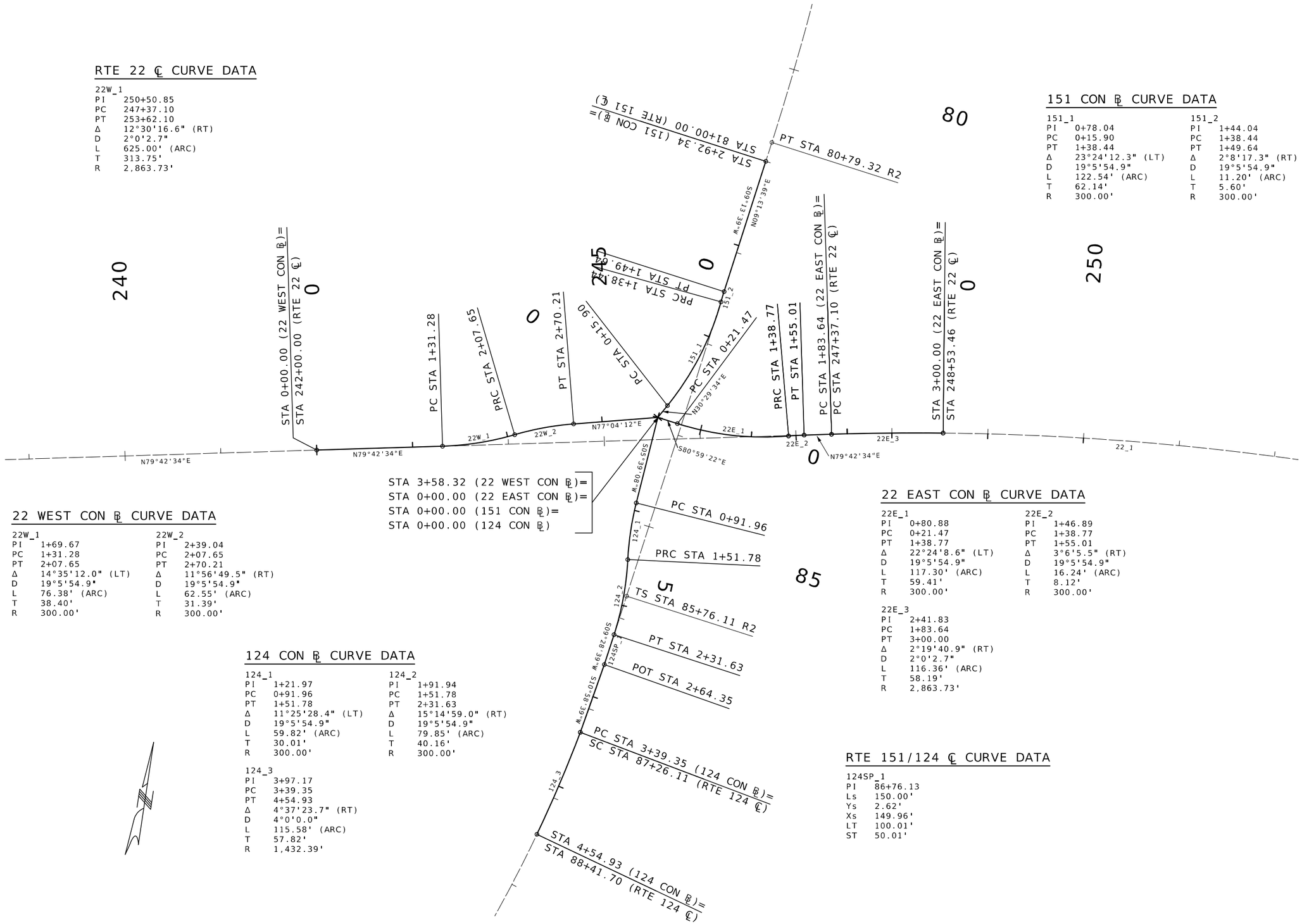
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

PLAN SHEET
SHEET 7 OF 19



RTE 22 ℄ CURVE DATA

22W_1
PI 250+50.85
PC 247+37.10
PT 253+62.10
Δ 12°30'16.6" (RT)
D 2°0'2.7"
L 625.00' (ARC)
T 313.75'
R 2,863.73'

151 CON ℄ CURVE DATA

151_1		151_2	
PI	0+78.04	PI	1+44.04
PC	0+15.90	PC	1+38.44
PT	1+38.44	PT	1+49.64
Δ	23°24'12.3" (LT)	Δ	2°8'17.3" (RT)
D	19°5'54.9"	D	19°5'54.9"
L	122.54' (ARC)	L	11.20' (ARC)
T	62.14'	T	5.60'
R	300.00'	R	300.00'

22 WEST CON ℄ CURVE DATA

22W_1		22W_2	
PI	1+69.67	PI	2+39.04
PC	1+31.28	PC	2+07.65
PT	2+07.65	PT	2+70.21
Δ	14°35'12.0" (LT)	Δ	11°56'49.5" (RT)
D	19°5'54.9"	D	19°5'54.9"
L	76.38' (ARC)	L	62.55' (ARC)
T	38.40'	T	31.39'
R	300.00'	R	300.00'

22 EAST CON ℄ CURVE DATA

22E_1		22E_2	
PI	0+80.88	PI	1+46.89
PC	0+21.47	PC	1+38.77
PT	1+38.77	PT	1+55.01
Δ	22°24'8.6" (LT)	Δ	3°6'5.5" (RT)
D	19°5'54.9"	D	19°5'54.9"
L	117.30' (ARC)	L	16.24' (ARC)
T	59.41'	T	8.12'
R	300.00'	R	300.00'

22E_3
PI 2+41.83
PC 1+83.64
PT 3+00.00
Δ 2°19'40.9" (RT)
D 2°0'2.7"
L 116.36' (ARC)
T 58.19'
R 2,863.73'

124 CON ℄ CURVE DATA

124_1		124_2	
PI	1+21.97	PI	1+91.94
PC	0+91.96	PC	1+51.78
PT	1+51.78	PT	2+31.63
Δ	11°25'28.4" (LT)	Δ	15°14'59.0" (RT)
D	19°5'54.9"	D	19°5'54.9"
L	59.82' (ARC)	L	79.85' (ARC)
T	30.01'	T	40.16'
R	300.00'	R	300.00'

124_3
PI 3+97.17
PC 3+39.35
PT 4+54.93
Δ 4°37'23.7" (RT)
D 4°0'0.0"
L 115.58' (ARC)
T 57.82'
R 1,432.39'

RTE 151/124 ℄ CURVE DATA

124SP_1
PI 86+76.13
Ls 150.00'
Ys 2.62'
Xs 149.96'
LT 100.01'
ST 50.01'

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/23/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	11

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

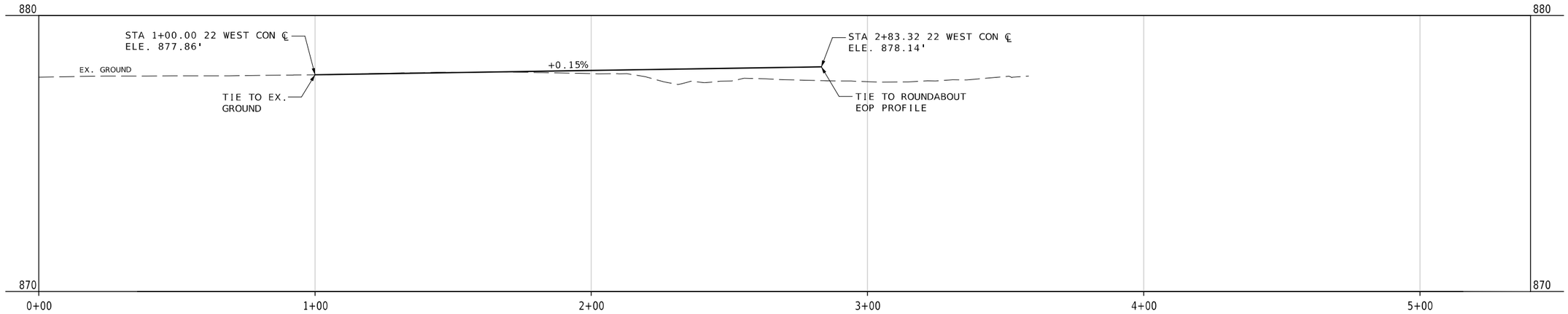
PROJECT NO.

BRIDGE NO.

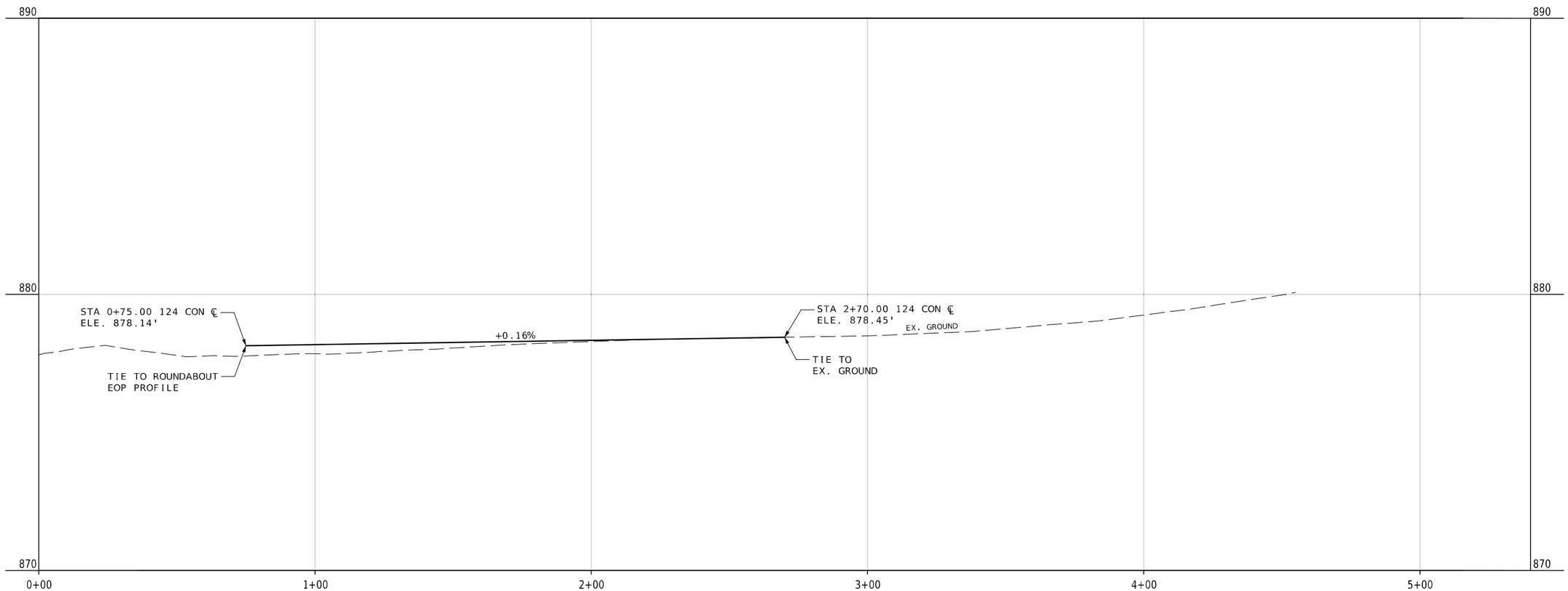
DATE	DESCRIPTION

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

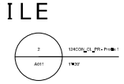
PLAN SHEET
GEOMETRY DATA
SHEET 8 OF 19



22 WEST CONSTRUCTION ℄ PROFILE



124 CONSTRUCTION ℄ PROFILE



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	12

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

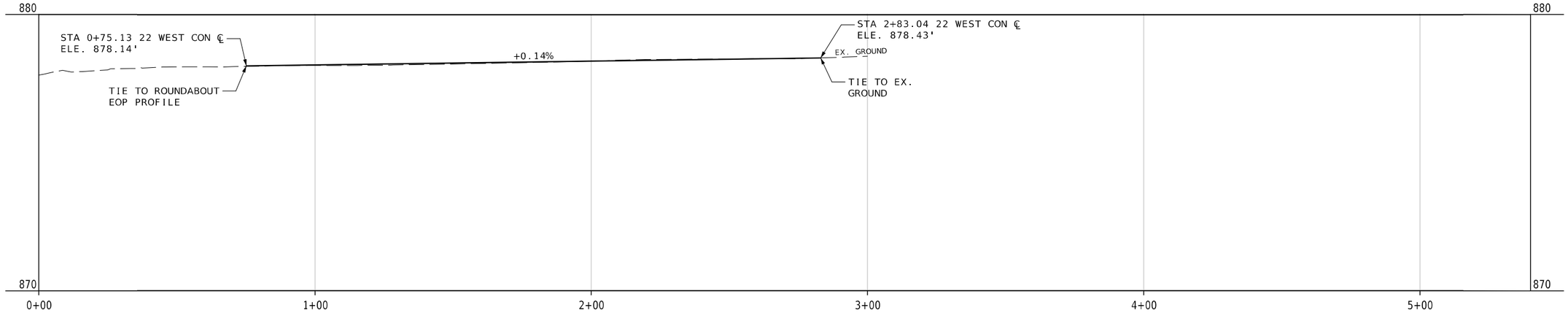
BRIDGE NO.

DATE	DESCRIPTION

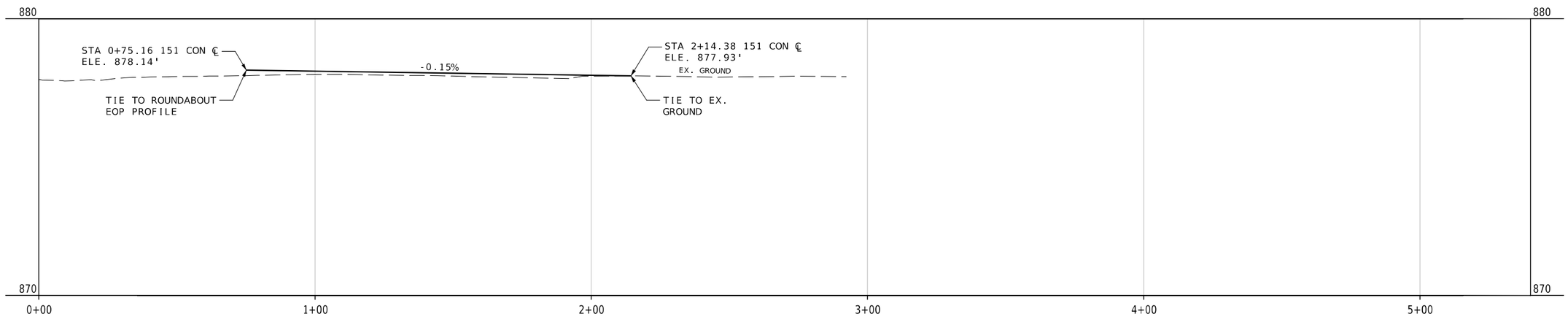
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
GEOMETRY DATA PROFILES
SHEET 9 OF 19



22 EAST CONSTRUCTION ℄ PROFILE



151 CONSTRUCTION ℄ PROFILE

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
BOONE

JOB NO.
JCD0030

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)

PLAN SHEET
GEOMETRY DATA PROFILES
SHEET 10 OF 19

SCALE

0 40 80 120

151ENTRY CON ℄ CURVE DATA

CON_13

PI	1+14.98
PC	0+57.63
PT	1+65.56
Δ	47°57'37.9" (RT)
D	44°26'12.8"
L	107.93' (ARC)
T	57.35'
R	128.94'

22WEXIT CON ℄ CURVE DATA

CON_14

PI	1+14.76
PC	0+00.00
PT	2+21.44
Δ	37°6'41.8" (RT)
D	16°45'34.0"
L	221.44' (ARC)
T	114.76'
R	341.87'

ROUNDABOUT EOP CON ℄ CURVE DATA

CON_15

PI	0+00.00
PC	0+00.00
PT	4+71.24
Δ	360°0'0.0" (RT)
D	76°23'39.7"
L	471.24' (ARC)
T	0.00'
R	75.00'

22EENTRY_151EXIT CON ℄ CURVE DATA

CON_10

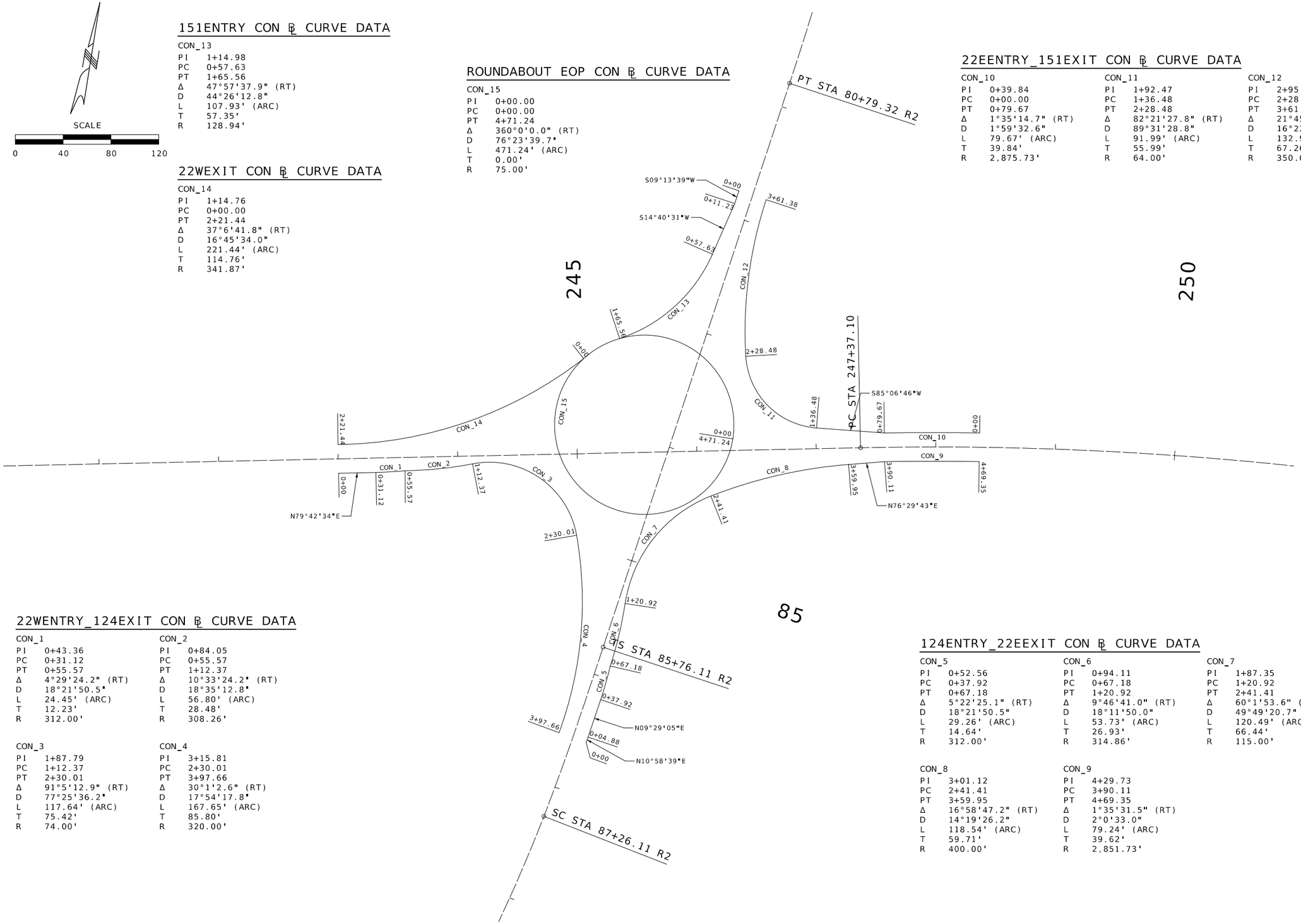
PI	0+39.84
PC	0+00.00
PT	0+79.67
Δ	1°35'14.7" (RT)
D	1°59'32.6"
L	79.67' (ARC)
T	39.84'
R	2,875.73'

CON_11

PI	1+92.47
PC	1+36.48
PT	2+28.48
Δ	82°21'27.8" (RT)
D	89°31'28.8"
L	91.99' (ARC)
T	55.99'
R	64.00'

CON_12

PI	2+95.74
PC	2+28.48
PT	3+61.38
Δ	21°45'24.7" (RT)
D	16°22'12.8"
L	132.91' (ARC)
T	67.26'
R	350.00'



22WENTRY_124EXIT CON ℄ CURVE DATA

CON_1

PI	0+43.36
PC	0+31.12
PT	0+55.57
Δ	4°29'24.2" (RT)
D	18°21'50.5"
L	24.45' (ARC)
T	12.23'
R	312.00'

CON_2

PI	0+84.05
PC	0+55.57
PT	1+12.37
Δ	10°33'24.2" (RT)
D	18°35'12.8"
L	56.80' (ARC)
T	28.48'
R	308.26'

CON_3

PI	1+87.79
PC	1+12.37
PT	2+30.01
Δ	91°5'12.9" (RT)
D	77°25'36.2"
L	117.64' (ARC)
T	75.42'
R	74.00'

CON_4

PI	3+15.81
PC	2+30.01
PT	3+97.66
Δ	30°1'2.6" (RT)
D	17°54'17.8"
L	167.65' (ARC)
T	85.80'
R	320.00'

124ENTRY_22EEXIT CON ℄ CURVE DATA

CON_5

PI	0+52.56
PC	0+37.92
PT	0+67.18
Δ	5°22'25.1" (RT)
D	18°21'50.5"
L	29.26' (ARC)
T	14.64'
R	312.00'

CON_6

PI	0+94.11
PC	0+67.18
PT	1+20.92
Δ	9°46'41.0" (RT)
D	18°11'50.0"
L	53.73' (ARC)
T	26.93'
R	314.86'

CON_7

PI	1+87.35
PC	1+20.92
PT	2+41.41
Δ	60°1'53.6" (RT)
D	49°49'20.7"
L	120.49' (ARC)
T	66.44'
R	115.00'

CON_8

PI	3+01.12
PC	2+41.41
PT	3+59.95
Δ	16°58'47.2" (RT)
D	14°19'26.2"
L	118.54' (ARC)
T	59.71'
R	400.00'

CON_9

PI	4+29.73
PC	3+90.11
PT	4+69.35
Δ	1°35'31.5" (RT)
D	2°0'33.0"
L	79.24' (ARC)
T	39.62'
R	2,851.73'

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

&(Date) &(Time)
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

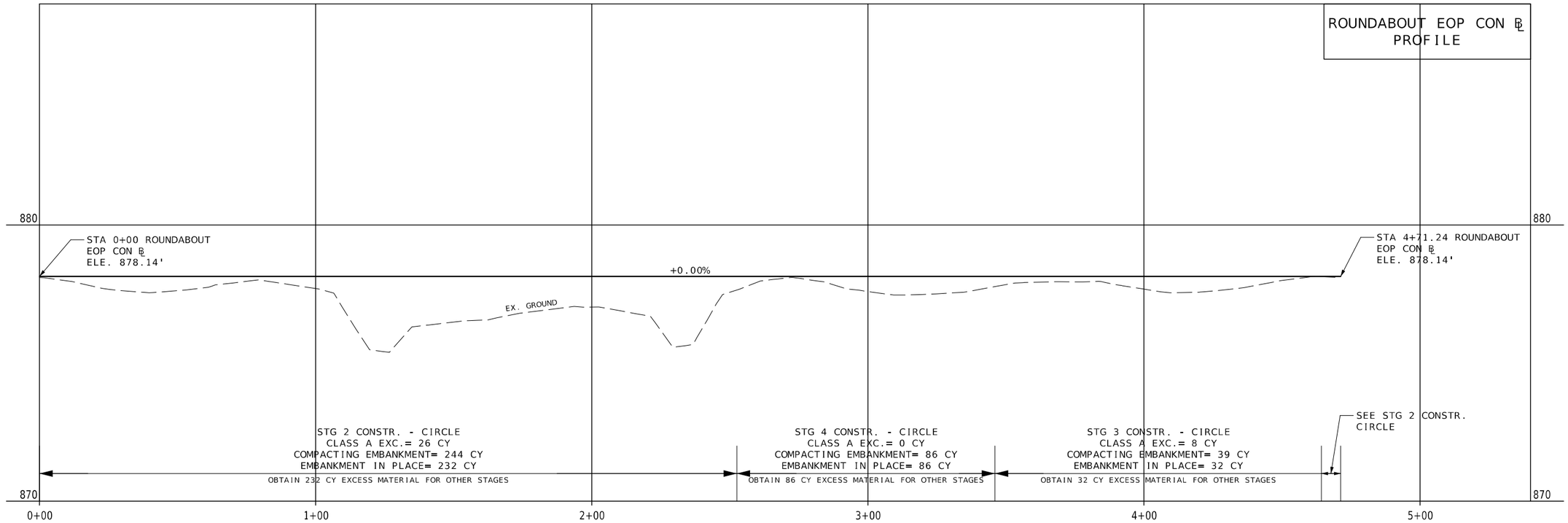
BRIDGE NO.

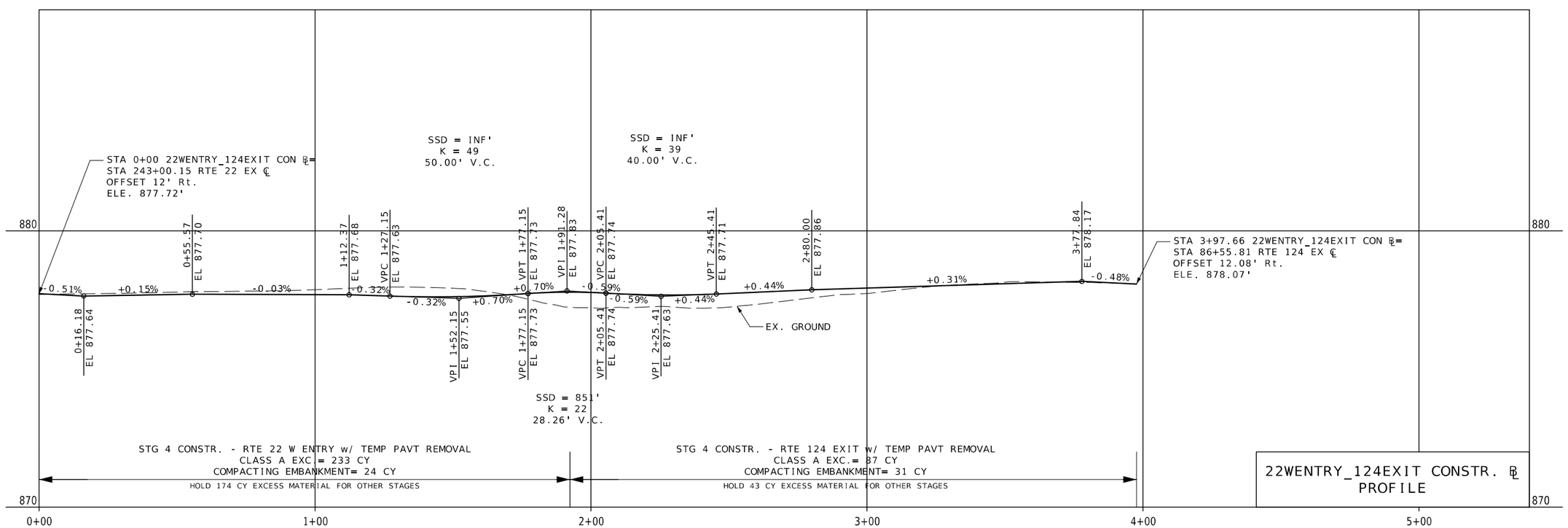
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
GEOMETRY DATA
SHEET 11 OF 19





STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

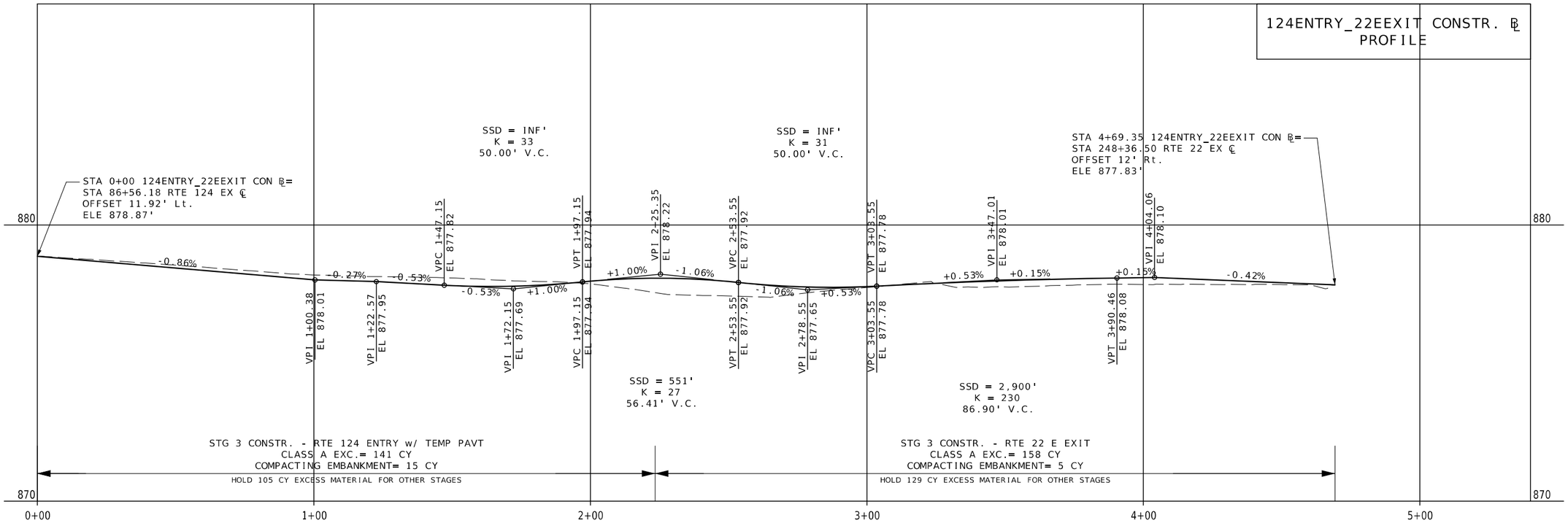
DATE PREPARED	
2/21/2024	
ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	15
COUNTY	
BOONE	
JOB NO.	
JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

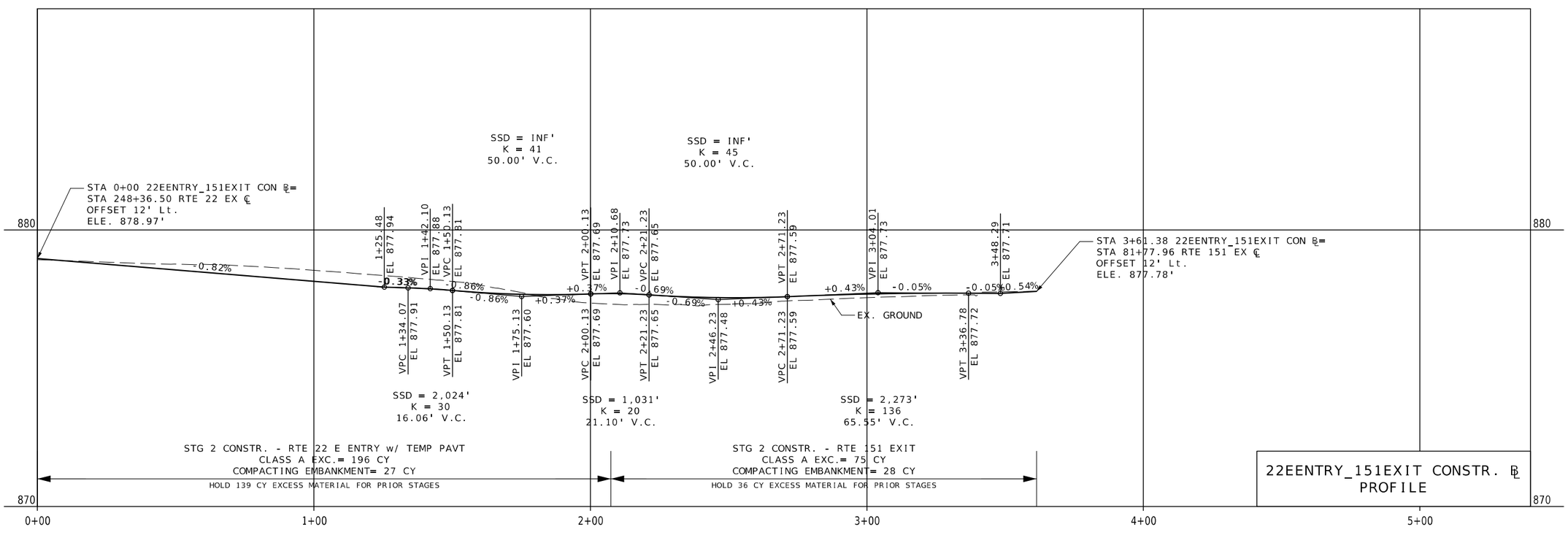
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
GEOMETRY DATA PROFILES
SHEET 12 OF 19





STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

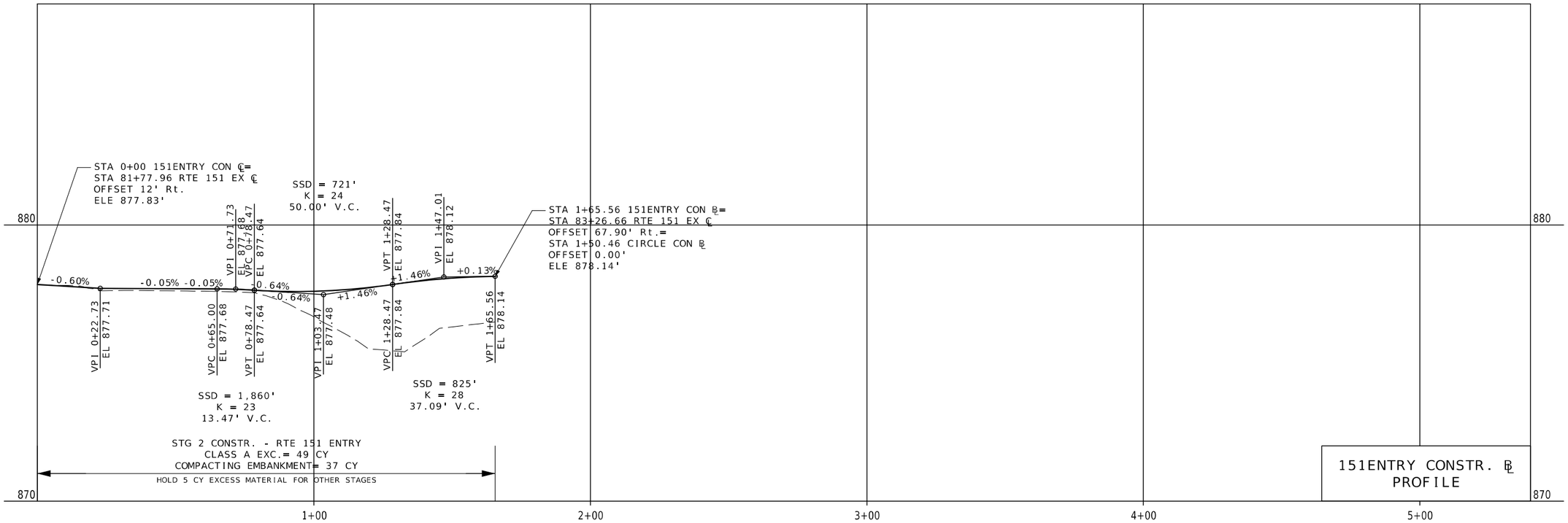
DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	16
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

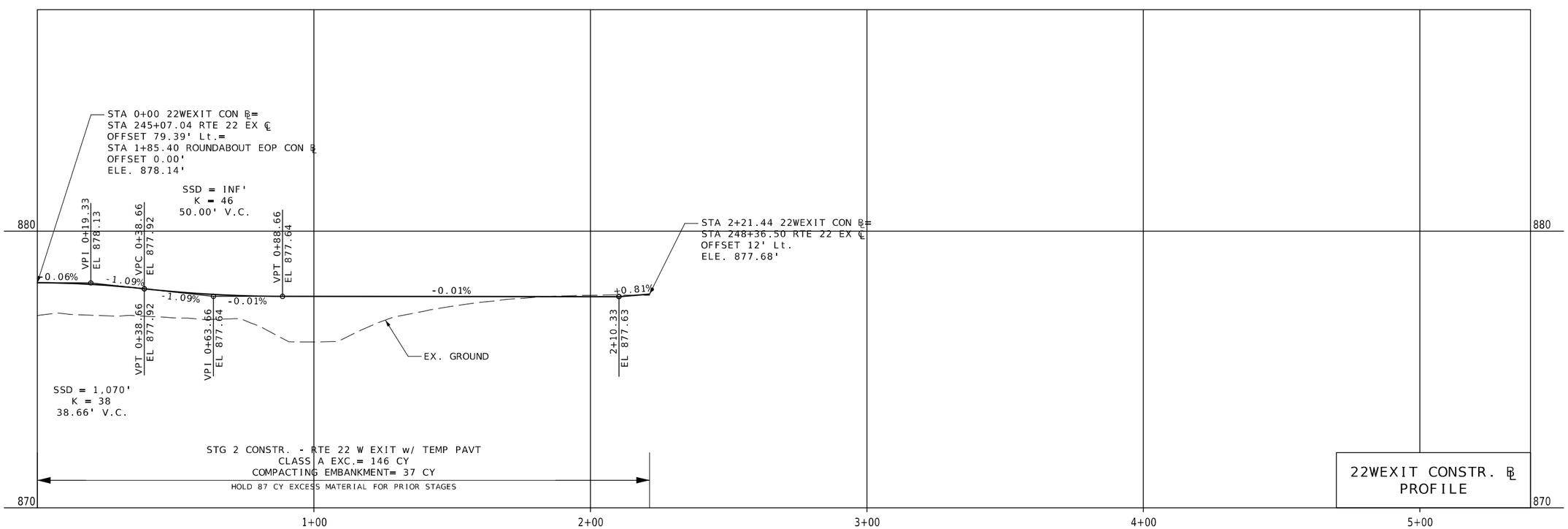
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
GEOMETRY DATA PROFILES
SHEET 13 OF 19





STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

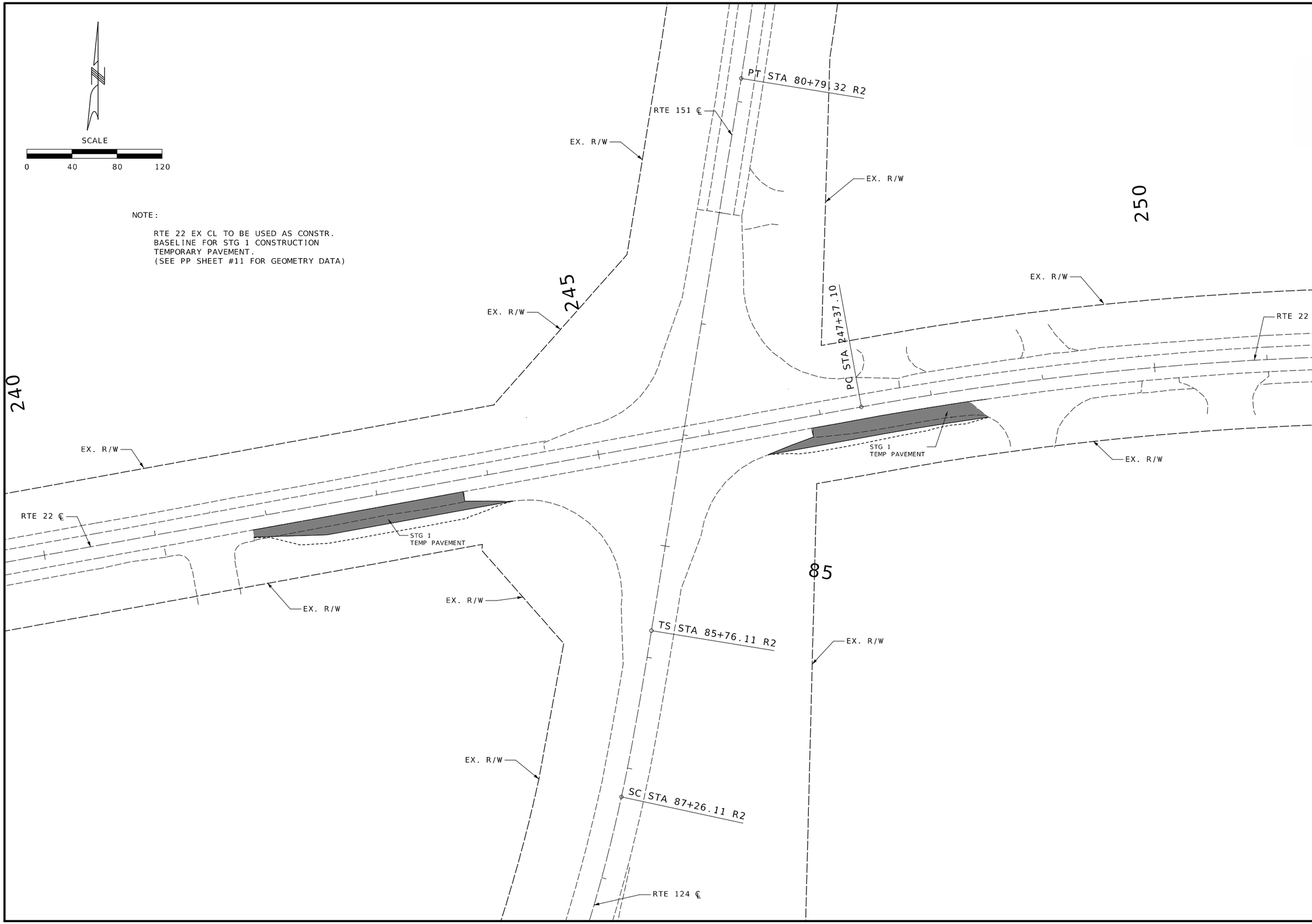
DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 17
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
GEOMETRY DATA PROFILES
SHEET 14 OF 19



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	18
COUNTY	BOONE
JOB NO.	JCD0030
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)

PLAN SHEET
STAGE 1 CONSTRUCTION
SHEET 15 OF 19

SCALE

0 40 80 120

CURVE 1
(STG 2 RTE 22 TEMP ℄)

PI	2+17.94
PC	1+79.65
PT	2+55.83
Δ	14°33'0.5" (LT)
D	19°5'54.9"
L	76.18' (ARC)
T	38.30'
R	300.00'

CURVE 2
(STG 2 RTE 22 TEMP ℄)

PI	2+87.44
PC	2+55.83
PT	3+18.82
Δ	11°54'38.0" (RT)
D	18°54'34.2"
L	62.99' (ARC)
T	31.61'
R	303.00'

CURVE 3
(STG 2 RTE 22 TEMP ℄)

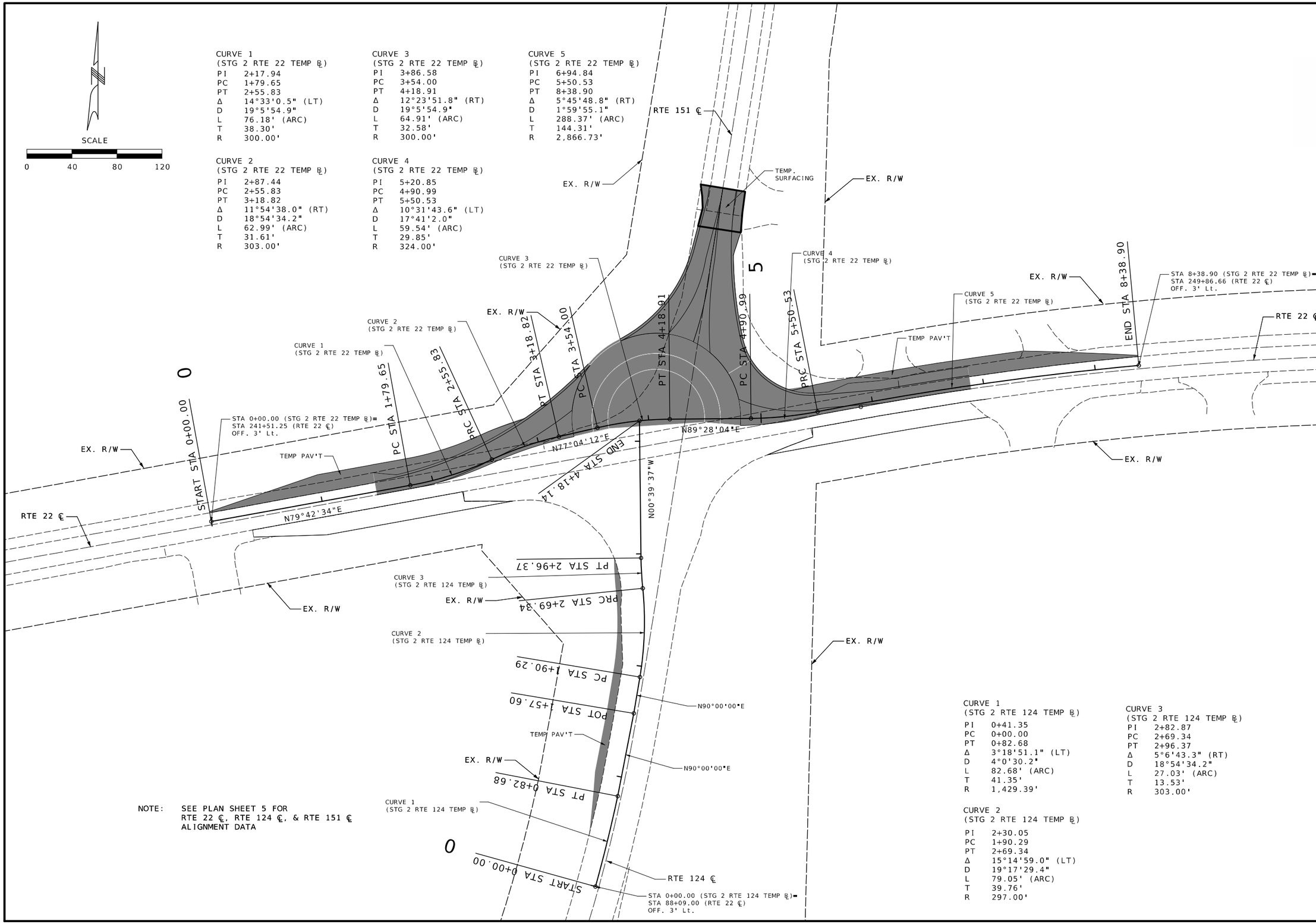
PI	3+86.58
PC	3+54.00
PT	4+18.91
Δ	12°23'51.8" (RT)
D	19°5'54.9"
L	64.91' (ARC)
T	32.58'
R	300.00'

CURVE 4
(STG 2 RTE 22 TEMP ℄)

PI	5+20.85
PC	4+90.99
PT	5+50.53
Δ	10°31'43.6" (LT)
D	17°41'2.0"
L	59.54' (ARC)
T	29.85'
R	324.00'

CURVE 5
(STG 2 RTE 22 TEMP ℄)

PI	6+94.84
PC	5+50.53
PT	8+38.90
Δ	5°45'48.8" (RT)
D	1°59'55.1"
L	288.37' (ARC)
T	144.31'
R	2,866.73'



NOTE: SEE PLAN SHEET 5 FOR RTE 22 ℄, RTE 124 ℄, & RTE 151 ℄ ALIGNMENT DATA

CURVE 1
(STG 2 RTE 124 TEMP ℄)

PI	0+41.35
PC	0+00.00
PT	0+82.68
Δ	3°18'51.1" (LT)
D	4°0'30.2"
L	82.68' (ARC)
T	41.35'
R	1,429.39'

CURVE 2
(STG 2 RTE 124 TEMP ℄)

PI	2+30.05
PC	1+90.29
PT	2+69.34
Δ	15°14'59.0" (LT)
D	19°17'29.4"
L	79.05' (ARC)
T	39.76'
R	297.00'

CURVE 3
(STG 2 RTE 124 TEMP ℄)

PI	2+82.87
PC	2+69.34
PT	2+96.37
Δ	5°6'43.3" (RT)
D	18°54'34.2"
L	27.03' (ARC)
T	13.53'
R	303.00'

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE -CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	19
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

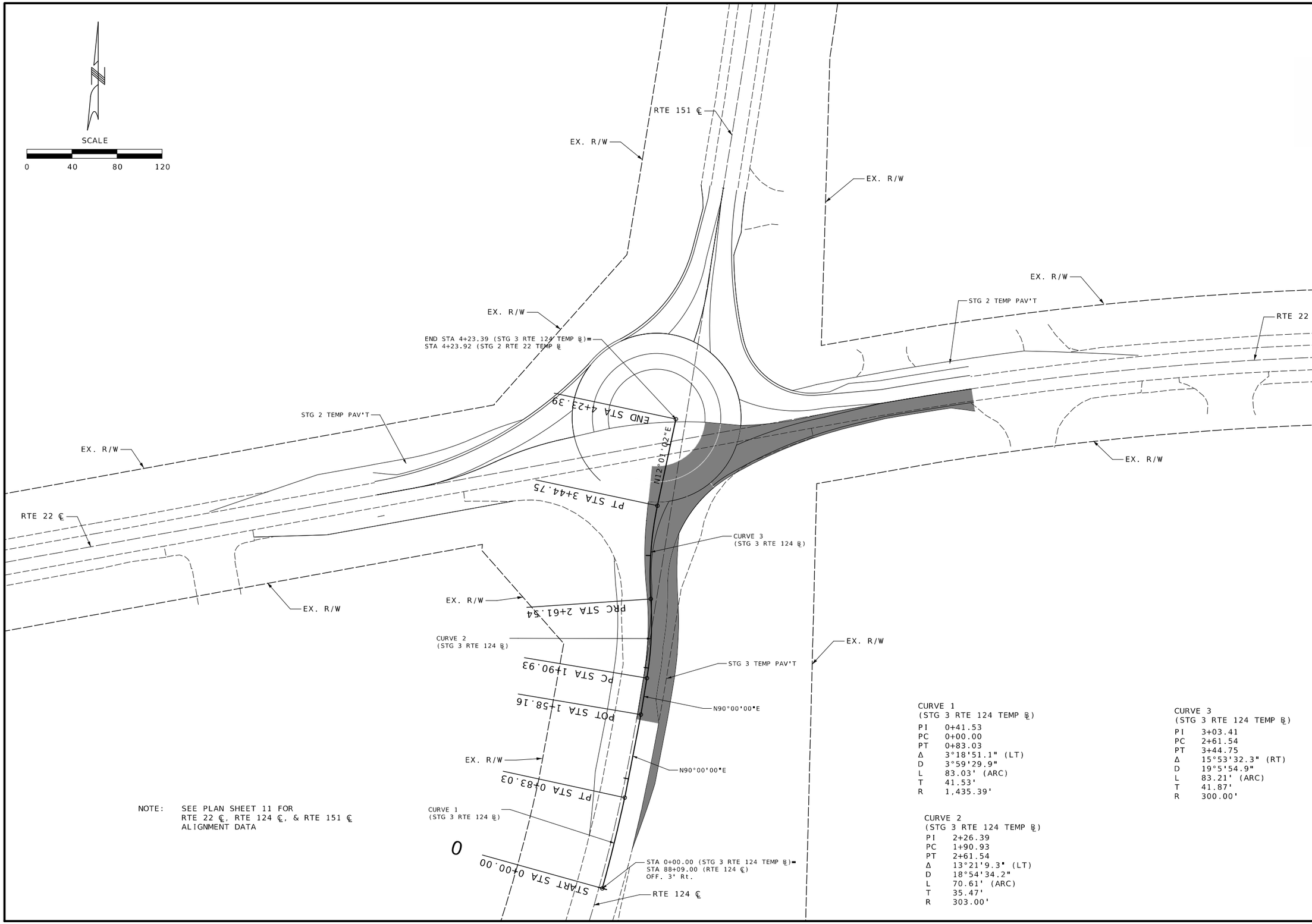
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 2 CONSTRUCTION
SHEET 16 OF 19



NOTE: SEE PLAN SHEET 11 FOR RTE 22 ℄, RTE 124 ℄, & RTE 151 ℄ ALIGNMENT DATA

CURVE 1
(STG 3 RTE 124 TEMP ℄)

PI	0+41.53
PC	0+00.00
PT	0+83.03
Δ	3°18'51.1" (LT)
D	3°59'29.9"
L	83.03' (ARC)
T	41.53'
R	1,435.39'

CURVE 2
(STG 3 RTE 124 TEMP ℄)

PI	2+26.39
PC	1+90.93
PT	2+61.54
Δ	13°21'9.3" (LT)
D	18°54'34.2"
L	70.61' (ARC)
T	35.47'
R	303.00'

CURVE 3
(STG 3 RTE 124 TEMP ℄)

PI	3+03.41
PC	2+61.54
PT	3+44.75
Δ	15°53'32.3" (RT)
D	19°5'54.9"
L	83.21' (ARC)
T	41.87'
R	300.00'

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

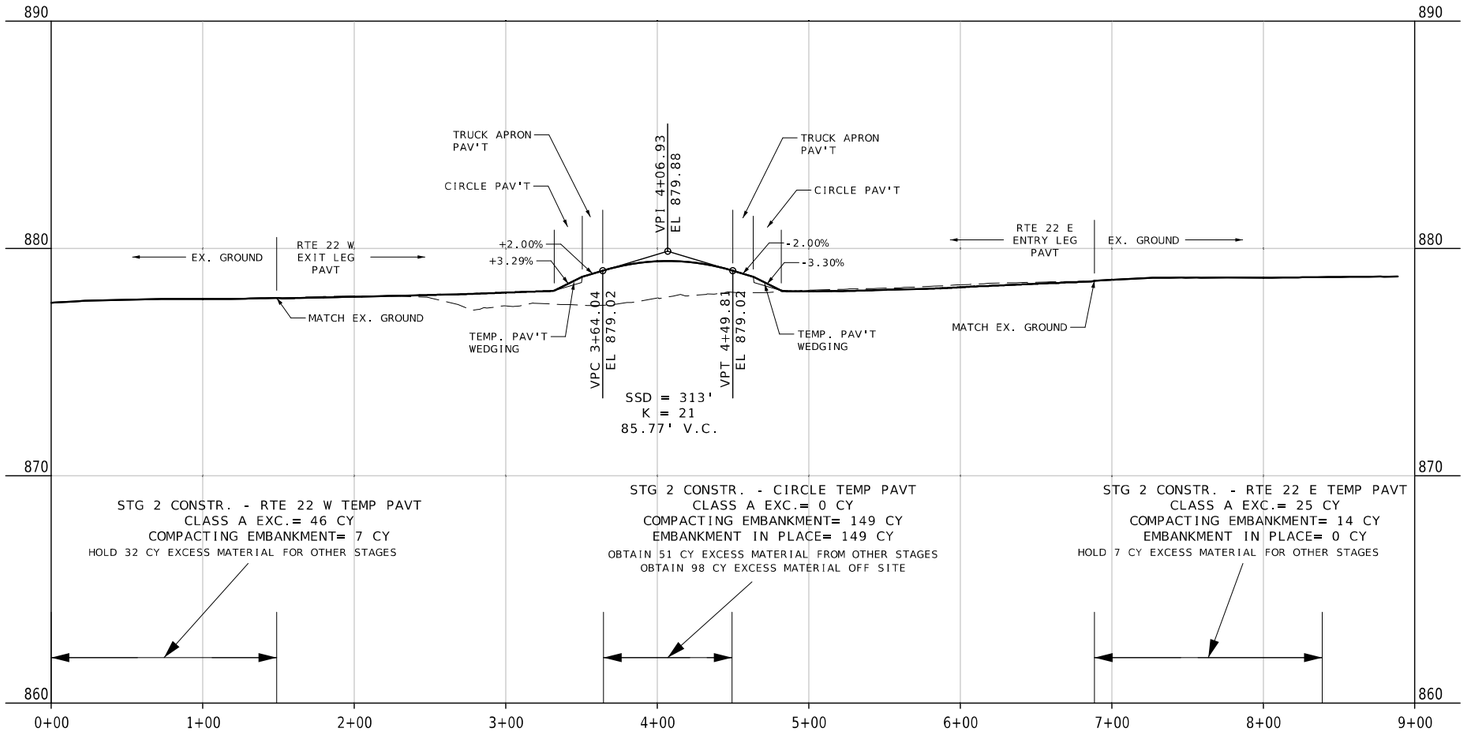
&{Date} &{Time}
PATRICK.J.HAKE -CIVIL
MO-PE-2010000826

DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 20
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

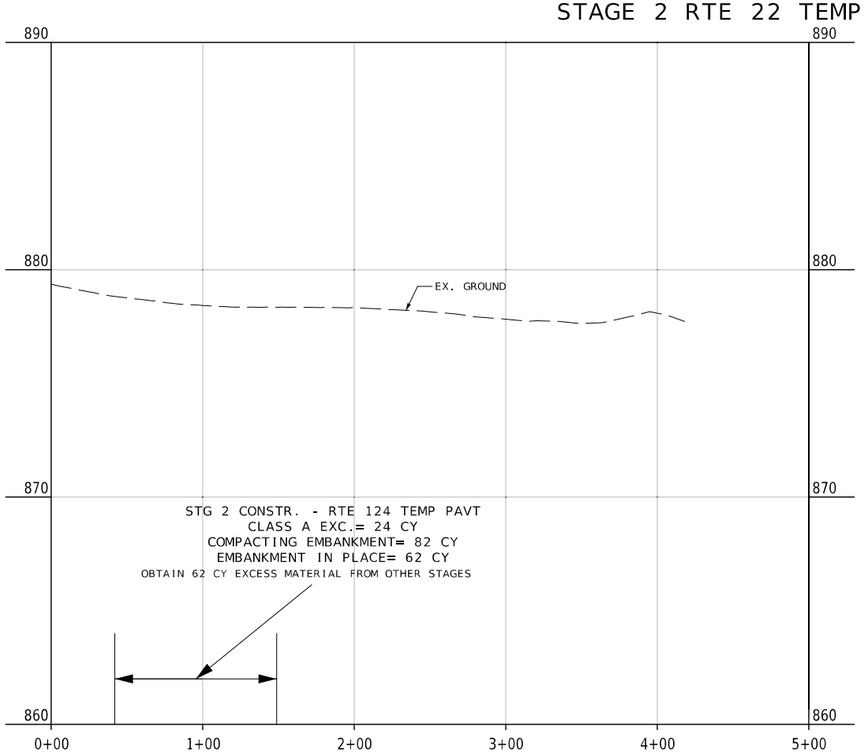
DATE	DESCRIPTION

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

PLAN SHEET
STAGE 3 CONSTRUCTION
SHEET 17 OF 19



STAGE 2 RTE 22 TEMP. ℄



STAGE 2 RTE 124 TEMP. ℄

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	21

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

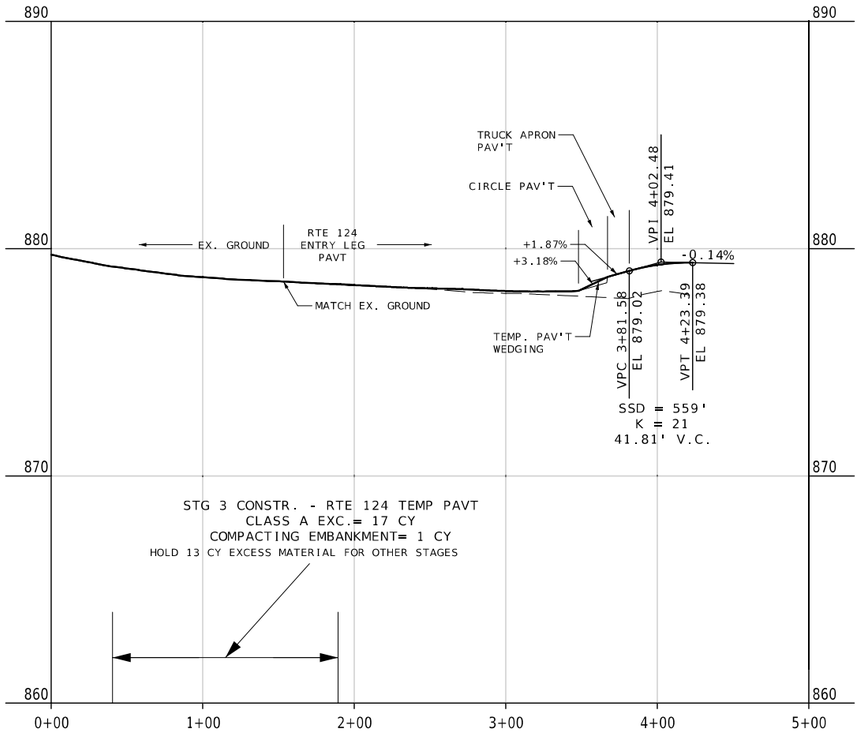
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PROFILE SHEET
STAGE 2 TEMP ℄ PROFILES
SHEET 18 OF 19



STAGE 3 RTE 124 TEMP. ℄

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	22

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

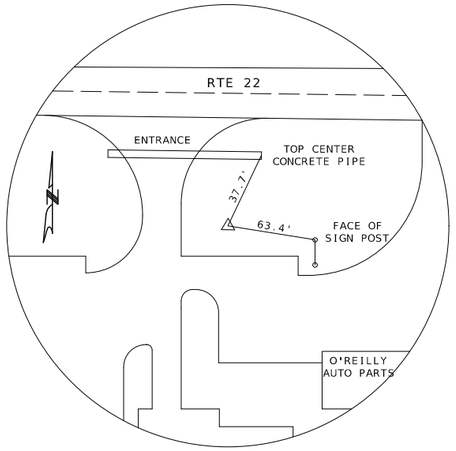
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
STAGE 3 RTE 124 TEMP ℄ PROFILE
SHEET 19 OF 19

W.P. 801

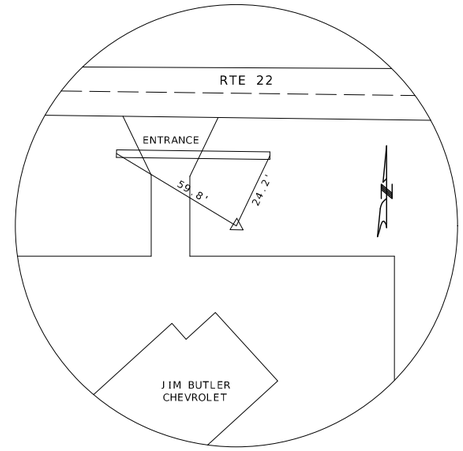
REBAR & CAP BURIED 0.15',
46' S OF RTE 22 ℄, 336'
E OF JUNCTION 22 & 124



X - 1,741,985.7634
Y - 1,233,040.2285
Z - 877.81'

W.P. 802

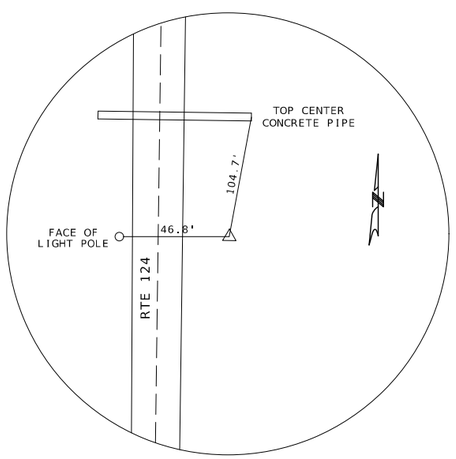
REBAR & CAP BURIED 0.20',
55' S OF RTE 22 ℄, 407'
W OF JUNCTION 22 & 124



X - 1,741,261.7449
Y - 1,232,904.4594
Z - 877.65'

W.P. 803

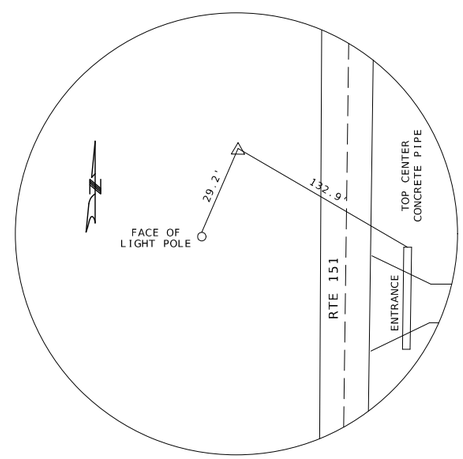
REBAR & CAP BURIED 0.15',
24' E OF RTE 124 ℄, 323'
S OF JUNCTION 22 & 124



X - 1,741,619.0412
Y - 1,232,709.3186
Z - 879.49'

W.P. 804

REBAR & CAP BURIED 0.15',
24' W OF RTE 151 ℄, 357'
N OF JUNCTION 22 & 124



X - 1,741,681.7521
Y - 1,233,387.3599
Z - 876.32'

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	23

COUNTY
BOONE

JOB NO.
JCD0030

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)

REFERENCE POINT SHEET
SHEET 1 OF 1

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
PROJECT CONTROL POINTS							
12	249+11.69	Rt.	46.48	1,233,040.23	1,741,985.76	877.81	RB & CAP 46' S OF CL RT 22, 336' E OF JNCT 22 & 124
12	241+72.12	Rt.	55.96	1,232,904.46	1,741,261.74	877.65	RB & CAP 55' S OF CL RT 22, 407' W OF JNCT 22 & 124
12	87+25.73	Lt.	24.86	1,232,709.32	1,741,619.04	879.49	RB & CAP 24' E OF CL RT 124, 323' S OF JNCT 22 & 124
12	80+47.39	Rt.	24.42	1,233,387.36	1,741,681.75	876.32	RB & CAP 24' W OF CL RT 151, 357' N OF JNCT 22 & 124
ALIGNMENTS							
RTE 22 EXISTING CL							
	233+46.47			1,232,812.028	1,740,439.375		START
	247+37.10			1,233,060.448	1,741,807.640		PC
	250+50.85			1,233,116.495	1,742,116.340		HPI
				1,230,242.779	1,742,319.211		CC
	253+62.10			1,233,104.373	1,742,429.852		PT
	263+74.32			1,233,065.266	1,743,441.312		END
RTE 151/124 EXISTING CL							
	74+50.00			1,233,979.420	1,741,743.157		START
	76+89.96			1,233,739.536	1,741,737.125		PC
	78+84.94			1,233,544.618	1,741,732.223		HPI
				1,233,811.558	1,738,873.147		CC
	80+79.32			1,233,352.161	1,741,700.957		PT
	85+76.11			1,232,861.799	1,741,621.295		TS
	86+76.12			1,232,763.079	1,741,605.257		SPI
	87+26.11			1,232,714.201	1,741,594.664		SC
	89+61.40			1,232,484.251	1,741,544.832		HPI
				1,233,017.573	1,740,194.765		CC
	91+92.52			1,232,282.325	1,741,424.059		CS
	92+42.53			1,232,239.403	1,741,398.387		SPI
	93+42.52			1,232,156.374	1,741,342.628		ST
	97+00.00			1,231,859.606	1,741,143.329		END
22 WEST CON CL							
	0+00.00			1,232,964.501	1,741,279.176		START
	1+31.28			1,232,987.952	1,741,408.341		PC
	1+69.67			1,232,994.811	1,741,446.119		HPI
				1,233,283.126	1,741,354.750		CC
	2+07.65			1,233,010.963	1,741,480.952		PRC
	2+39.04			1,233,024.168	1,741,509.430		HPI
				1,232,738.799	1,741,607.154		CC
	2+70.21			1,233,031.192	1,741,540.026		PT
	3+58.32			1,233,050.908	1,741,625.902		END
124 CON CL							
	0+00.00			1,233,050.908	1,741,625.902		START
	0+91.96			1,232,959.392	1,741,616.845		PC
	1+21.97			1,232,929.529	1,741,613.889		HPI
				1,232,929.845	1,741,915.386		CC
	1+51.78			1,232,899.672	1,741,616.907		PRC
	1+91.94			1,232,859.715	1,741,620.947		HPI
				1,232,869.500	1,741,318.429		CC
	2+31.63			1,232,820.102	1,741,614.334		PT
	2+64.35			1,232,787.824	1,741,608.945		POT
	3+39.35			1,232,714.201	1,741,594.664		PC
	3+97.17			1,232,657.690	1,741,582.418		HPI
				1,233,017.573	1,740,194.765		CC
	4+54.93			1,232,602.351	1,741,565.657		PT/END
22 EAST CON CL							
	0+00.00			1,233,050.908	1,741,625.902		START
	0+21.47			1,233,047.545	1,741,647.108		PC
	0+80.88			1,233,038.241	1,741,705.782		HPI
				1,233,343.843	1,741,694.092		CC
	1+38.77			1,233,052.001	1,741,763.575		PRC
	1+46.89			1,233,053.882	1,741,771.476		HPI
				1,232,760.158	1,741,833.059		CC
	1+55.01			1,233,055.333	1,741,779.467		PT
	1+83.64			1,233,060.448	1,741,807.640		PC
	2+41.83			1,233,070.842	1,741,864.891		HPI
				1,230,242.779	1,742,319.211		CC
	3+00.00			1,233,078.903	1,741,922.518		PT/END
151 CON CL							
	0+00.00			1,233,050.908	1,741,625.902		START
	0+15.90			1,233,064.610	1,741,633.971		PC
	0+78.04			1,233,118.153	1,741,665.501		HPI
				1,233,216.839	1,741,375.463		CC
	1+38.44			1,233,179.814	1,741,673.170		PRC
	1+44.04			1,233,185.369	1,741,673.861		HPI
				1,233,142.789	1,741,970.876		CC
	1+49.64			1,233,190.895	1,741,674.758		PT
	2+92.34			1,233,331.753	1,741,697.642		END

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
${Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/23/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	24

COUNTY
BOONE

JOB NO.
JCD0030

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)

COORDINATE POINT SHEET
SHEET 1 OF 2

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
ALIGNEMENTS CONTINUED							
22WENTRY_124EXIT CON BL							
	0+00.00			1,232,970.585	1,741,379.861		START
	0+31.12			1,232,976.145	1,741,410.485		PC
	0+43.36			1,232,978.330	1,741,422.520		HPI
				1,233,283.126	1,741,354.750		CC
	0+55.57			1,232,981.450	1,741,434.346		PCC
	0+84.05			1,232,986.185	1,741,462.429		HPI
				1,233,285.419	1,741,383.097		CC
	1+12.37			1,232,995.985	1,741,489.169		PRC
	1+87.79			1,233,021.936	1,741,559.981		HPI
				1,232,926.504	1,741,514.632		CC
	2+30.01			1,232,950.644	1,741,584.584		PCC
	3+15.81			1,232,869.542	1,741,612.573		HPI
				1,232,846.252	1,741,282.090		CC
	3+97.66			1,232,785.316	1,741,596.235		PT
124ENTRY_22EEXIT CON BL							
	0+00.00			1,232,780.746	1,741,619.796		START
	0+04.88			1,232,785.538	1,741,620.726		HPI
	0+37.92			1,232,818.126	1,741,626.170		PC
	0+52.56			1,232,832.568	1,741,628.583		HPI
				1,232,869.538	1,741,318.435		CC
	0+67.18			1,232,847.172	1,741,629.632		PCC
	0+94.11			1,232,873.753	1,741,633.967		HPI
				1,232,897.849	1,741,318.877		CC
	1+20.92			1,232,900.684	1,741,633.724		PRC
	1+87.35			1,232,967.119	1,741,633.126		HPI
				1,232,901.719	1,741,748.720		CC
	2+41.41			1,233,000.823	1,741,690.380		PCC
	3+01.12			1,233,031.113	1,741,741.834		HPI
				1,232,656.116	1,741,893.301		CC
	3+59.95			1,233,045.056	1,741,799.892		PT
	3+90.11			1,233,052.099	1,741,829.217		PC
	4+29.73			1,233,058.907	1,741,868.250		HPI
				1,230,242.784	1,742,319.233		CC
	4+69.35			1,233,064.629	1,741,907.458		PT
22ENTRY_151EXIT CON BL							
	0+00.00			1,233,088.377	1,741,903.993		PC
	0+39.84			1,233,082.625	1,741,864.570		HPI
				1,230,242.781	1,742,319.211		CC
	0+79.67			1,233,075.783	1,741,825.322		PT
	1+36.48			1,233,070.943	1,741,768.720		PC
	1+92.47			1,233,066.173	1,741,712.937		HPI
				1,233,134.710	1,741,763.267		CC
	2+28.48			1,233,120.826	1,741,700.792		PCC
	2+95.74			1,233,186.487	1,741,686.200		HPI
				1,233,196.755	1,742,042.456		CC
	3+61.38			1,233,252.879	1,741,696.985		PT
151ENTRY CON BL							
	0+00.00			1,233,256.728	1,741,673.296		START
	0+11.23			1,233,245.645	1,741,671.496		HPI
	0+57.63			1,233,200.757	1,741,659.740		PC
	1+14.98			1,233,145.275	1,741,645.210		HPI
				1,233,233.423	1,741,535.009		CC
	1+65.56			1,233,118.913	1,741,594.274		PT
22WEXIT CON BL							
	0+00.00			1,233,097.459	1,741,567.098		PC
	1+14.76			1,233,013.684	1,741,488.667		HPI
				1,233,331.107	1,741,317.528		CC
	2+21.44			1,232,994.199	1,741,375.574		PT

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	G201BU7
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1.0000946

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
CONTROL STATION	
DESIGNATION	MODOT COLUMBIA CORS ARP
CORS_ID	MOCO
PID	DN4500
LATITUDE	385,932.0021
LONGITUDE	921,704.8857
NORTHING (M)	350,589.5150
EASTING (M)	518,652.2980
ZONE	2402 (MO-CENTRAL)
PROJECT AVERAGE GRID FACTOR	0.9999054

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 # 801
N 1,233,040.2285 X 0.9999054 = N 1,232,923.583
E 1,741,985.7634 X 0.9999054 = E 1,741,820.972

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
$[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/23/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	25

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

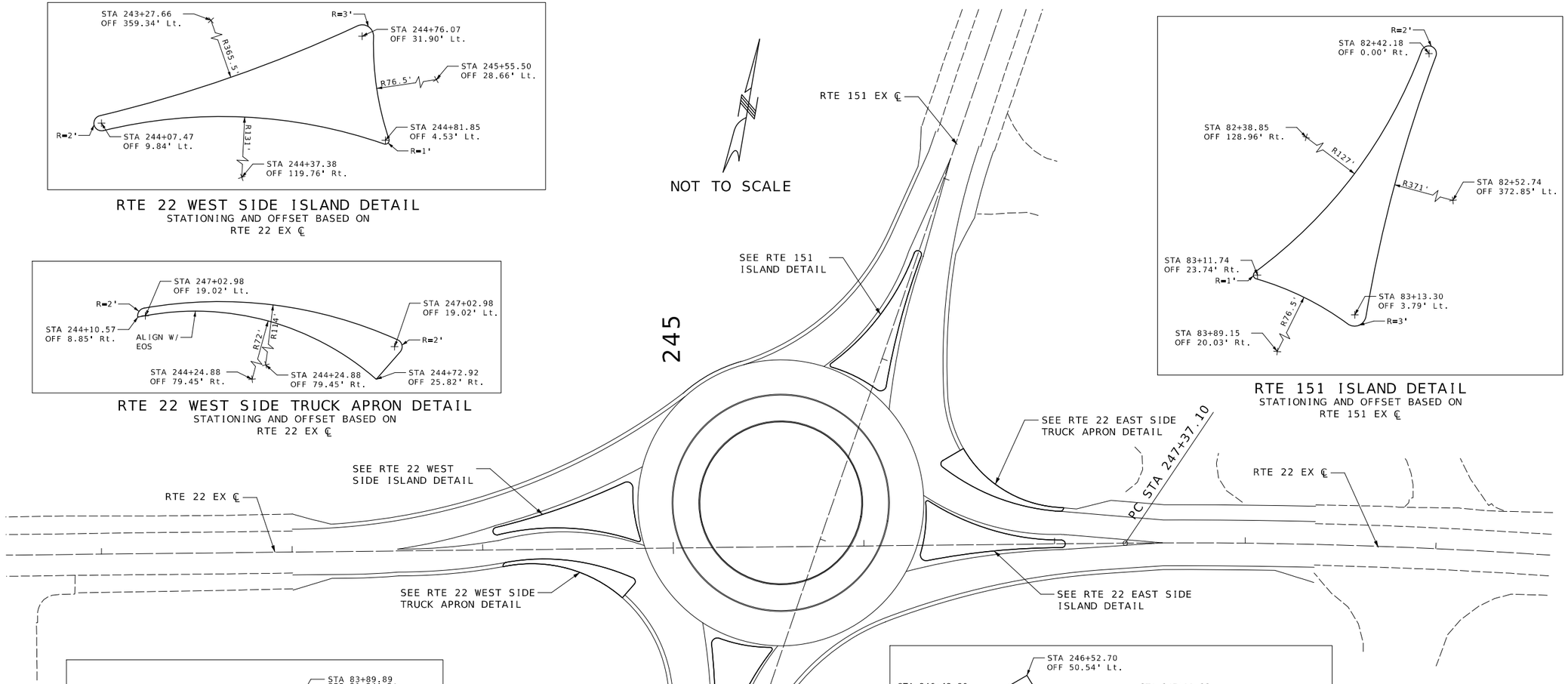
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

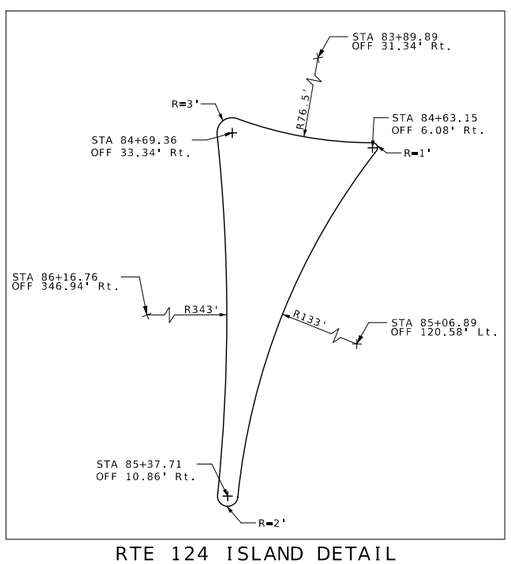
COORDINATE POINT SHEET
SHEET 2 OF 2

RTE 22 WEST SIDE ISLAND DETAIL
STATIONING AND OFFSET BASED ON
RTE 22 EX ℄

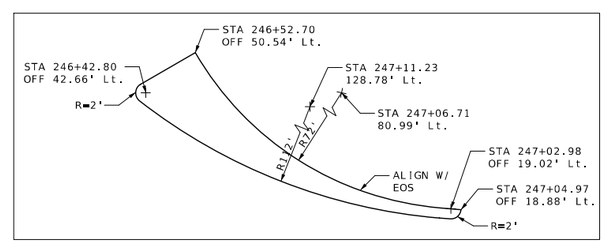
RTE 22 WEST SIDE TRUCK APRON DETAIL
STATIONING AND OFFSET BASED ON
RTE 22 EX ℄



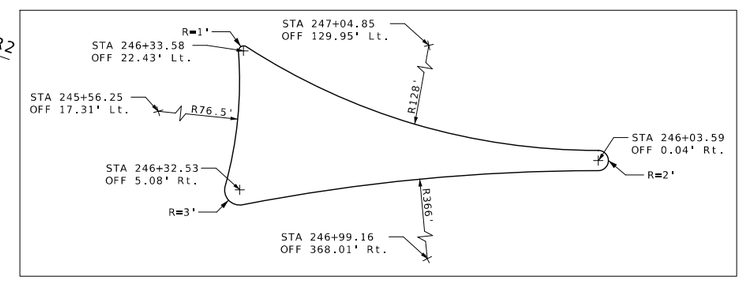
RTE 151 ISLAND DETAIL
STATIONING AND OFFSET BASED ON
RTE 151 EX ℄



RTE 124 ISLAND DETAIL
STATIONING AND OFFSET BASED ON
RTE 124 EX ℄



RTE 22 EAST SIDE TRUCK APRON DETAIL
STATIONING AND OFFSET BASED ON
RTE 22 EX ℄



RTE 22 EAST SIDE ISLAND DETAIL
STATIONING AND OFFSET BASED ON
RTE 22 EX ℄

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

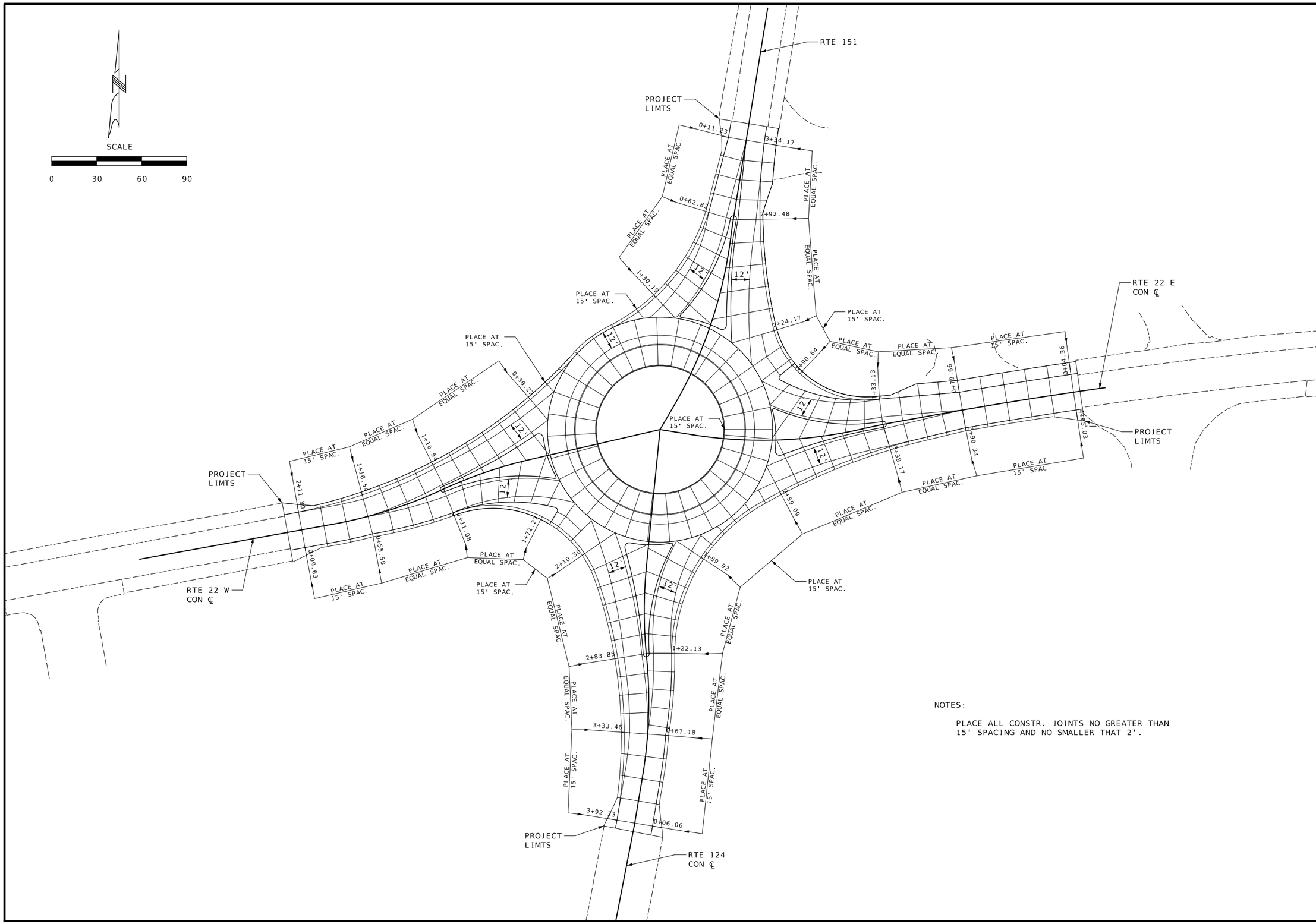
DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 26
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
ISLAND DETAIL
SHEET 1 OF 2



NOTES:

PLACE ALL CONSTR. JOINTS NO GREATER THAN 15' SPACING AND NO SMALLER THAT 2'.

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick J. Hake
&[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 27
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

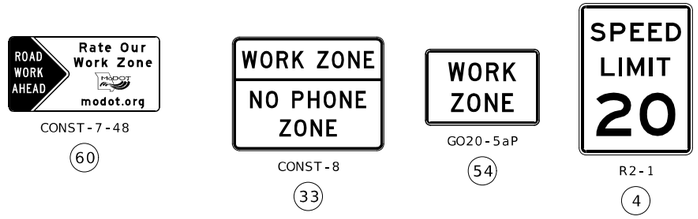
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

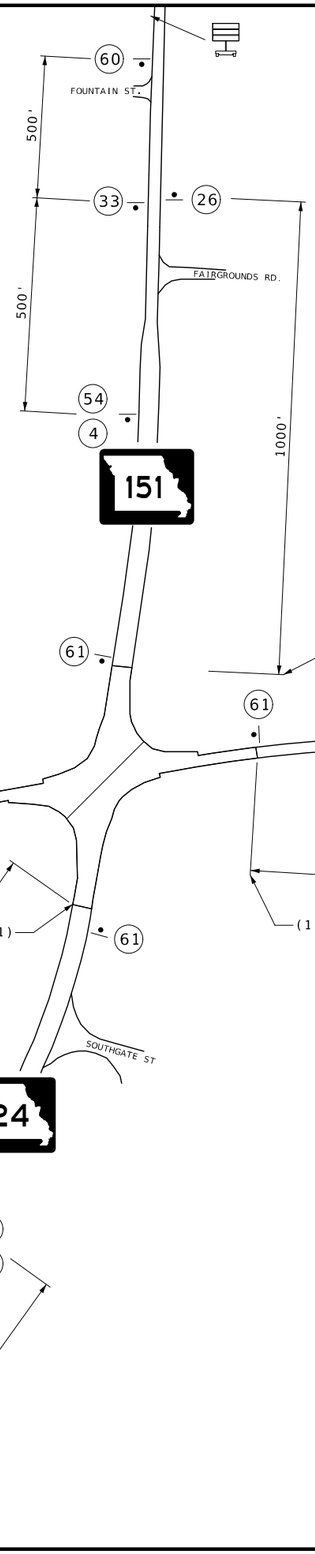
MoDOT

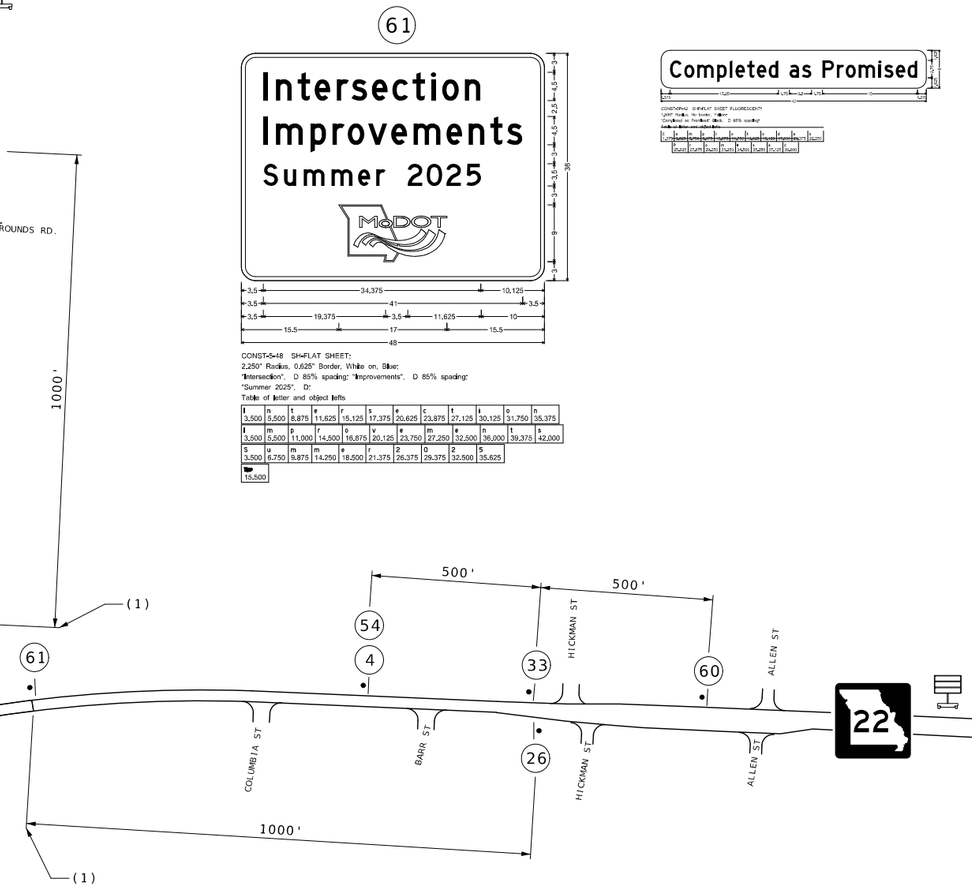
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
CONSTRUCTION JOINT LAYOUT
SHEET 2 OF 2

NOT TO SCALE







NOTE

(1) BEGINNING OF PROJECT LIMITS:
OR INITIAL WORK ZONE SIGN, IF
LOCATED OUTSIDE PORJECT LIMITS.

END OF PROJECT LIMITS: END OR WORK ZONE
TERMINATION AREA, IF LOCATED BEYOND END
OF PROJECT: OR LAST WORK ZONE SIGN, IF
LOCATED OUTSIDE PROJECT LIMITS

TRAFFFIC CONTROL LEGEND

- CHANGEABLE MESSAGE BOARD
- CHANNELIZER
- TYPE 3 MOVABLE BARRIER
- SIGN

TRAFFIC CONTROL SHEET
BEGIN / END PROJECT SIGNING
SHEET 1 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

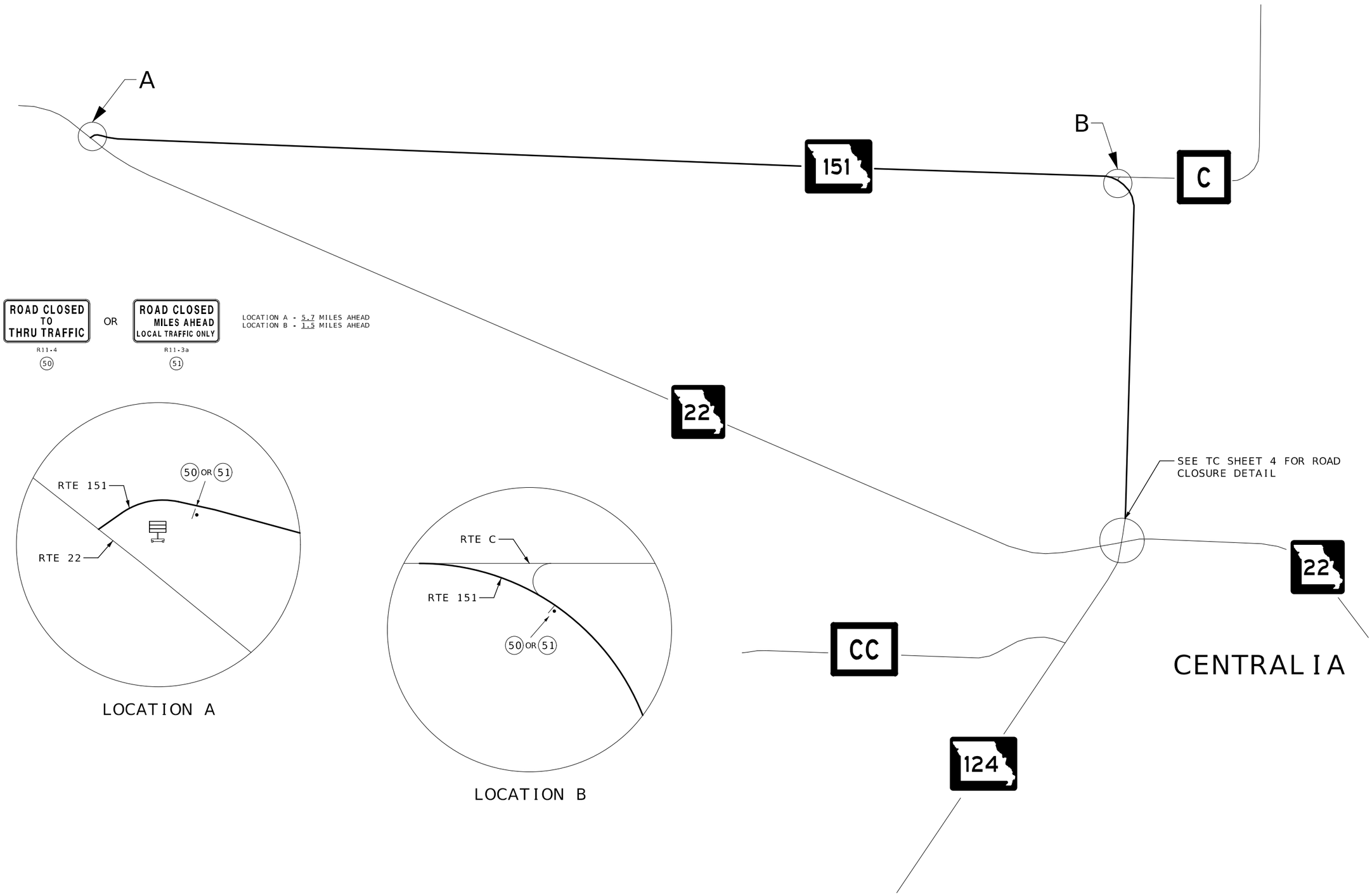
DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 28
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

TRAFFIC CONTROL SHEET
BEGIN/ END PROJECT SIGNING
SHEET 1 OF 9



TRAFFIC CONTROL SHEET
DETOUR/ ROAD CLOSURE SIGNAGE
SHEET 2 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

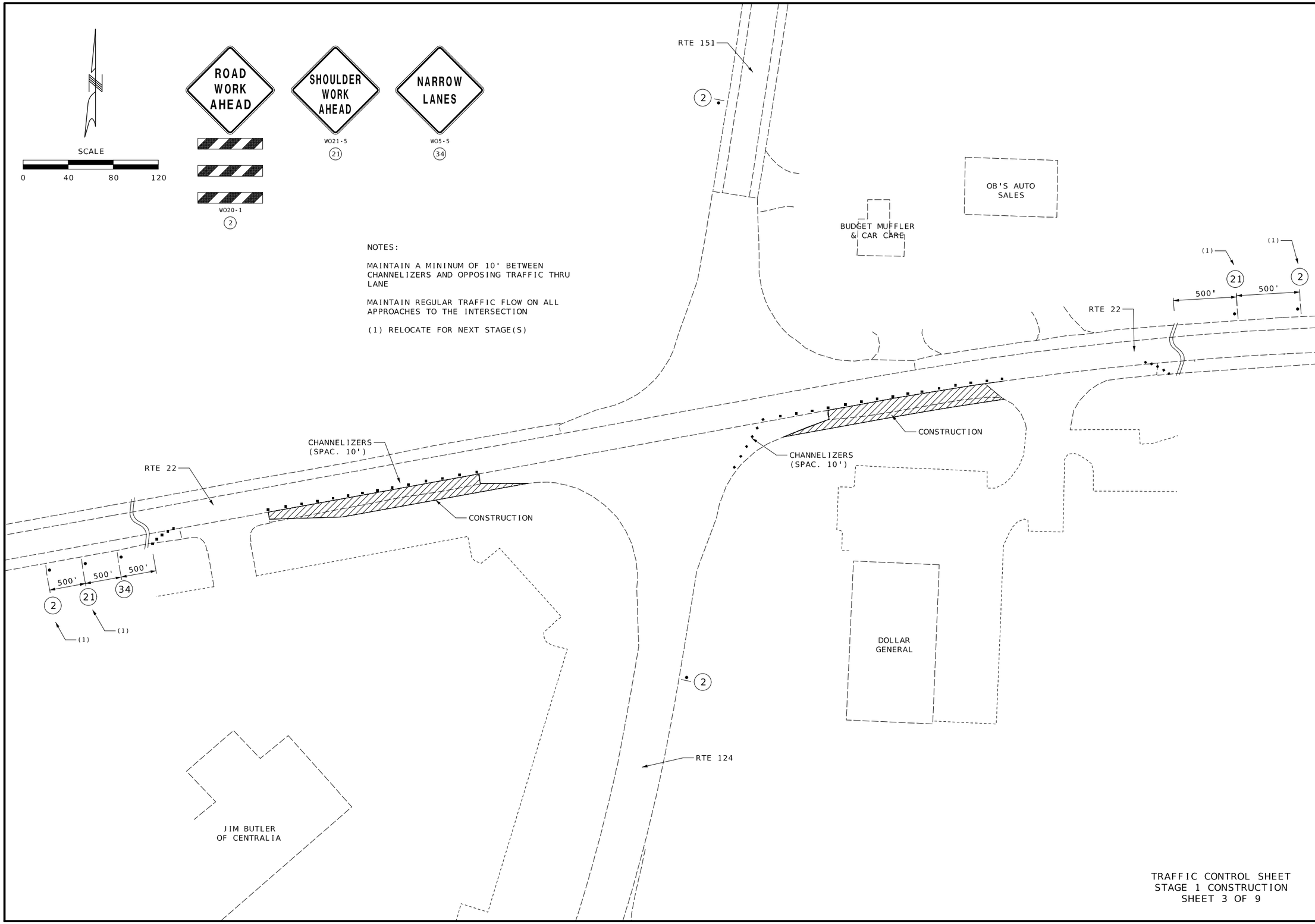
DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	29
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
DETOUR/ ROAD CLOSURE SIGNING
SHEET 2 OF 9



NOTES:

MAINTAIN A MININUM OF 10' BETWEEN CHANNELIZERS AND OPPOSING TRAFFIC THRU LANE

MAINTAIN REGULAR TRAFFIC FLOW ON ALL APPROACHES TO THE INTERSECTION

(1) RELOCATE FOR NEXT STAGE(S)

TRAFFIC CONTROL SHEET
STAGE 1 CONSTRUCTION
SHEET 3 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

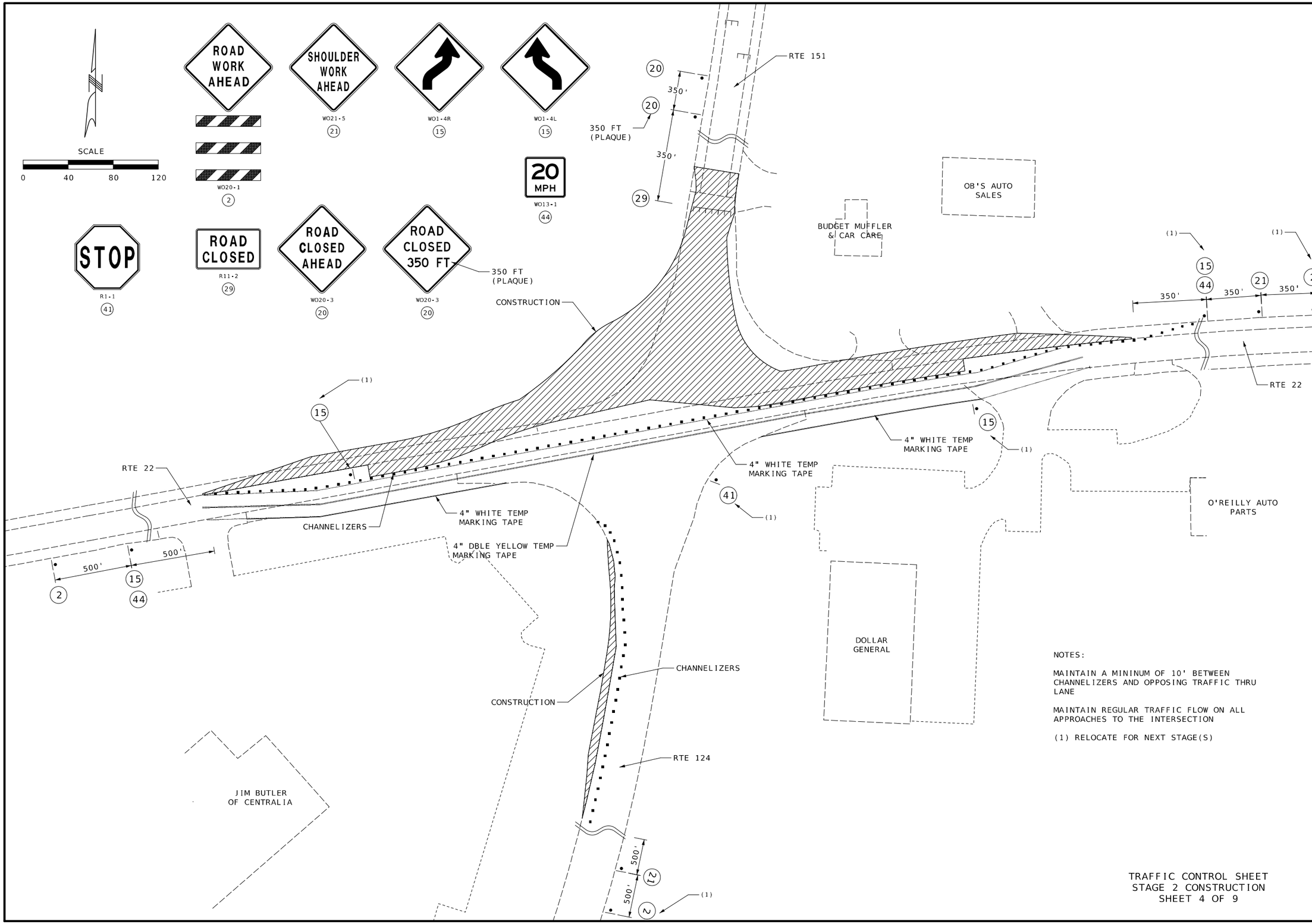
DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 30
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
STAGE 1 CONSTRUCTION SIGNING
SHEET 3 OF 9



NOTES:

MAINTAIN A MININUM OF 10' BETWEEN CHANNELIZERS AND OPPOSING TRAFFIC THRU LANE

MAINTAIN REGULAR TRAFFIC FLOW ON ALL APPROACHES TO THE INTERSECTION

(1) RELOCATE FOR NEXT STAGE(S)

TRAFFIC CONTROL SHEET
STAGE 2 CONSTRUCTION
SHEET 4 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

&[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 31
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

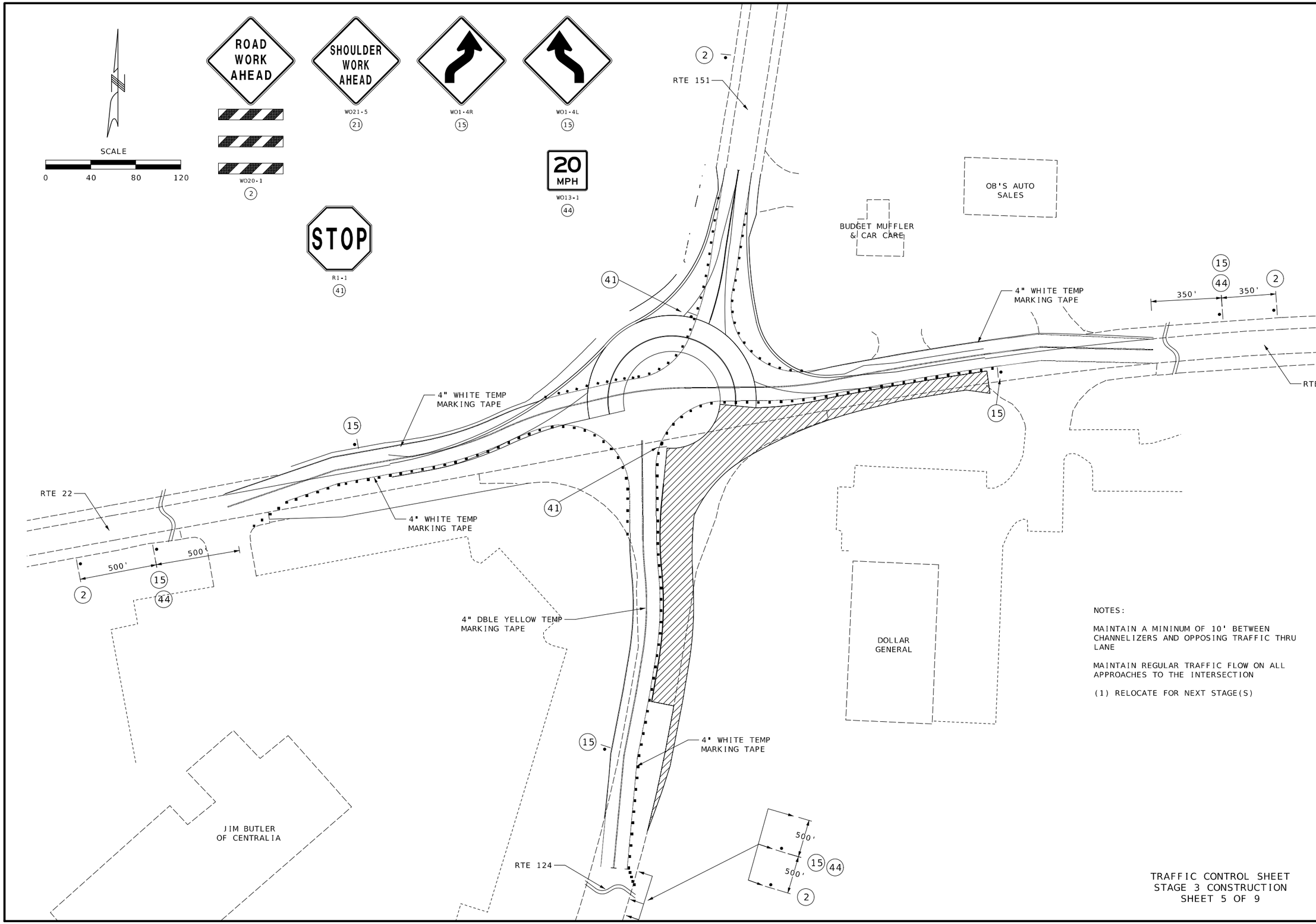
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

TRAFFIC CONTROL SHEET
STAGE 2 CONSTRUCTION SIGNING
SHEET 4 OF 9



NOTES:

MAINTAIN A MININUM OF 10' BETWEEN CHANNELIZERS AND OPPOSING TRAFFIC THRU LANE

MAINTAIN REGULAR TRAFFIC FLOW ON ALL APPROACHES TO THE INTERSECTION

(1) RELOCATE FOR NEXT STAGE(S)

TRAFFIC CONTROL SHEET
STAGE 3 CONSTRUCTION
SHEET 5 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

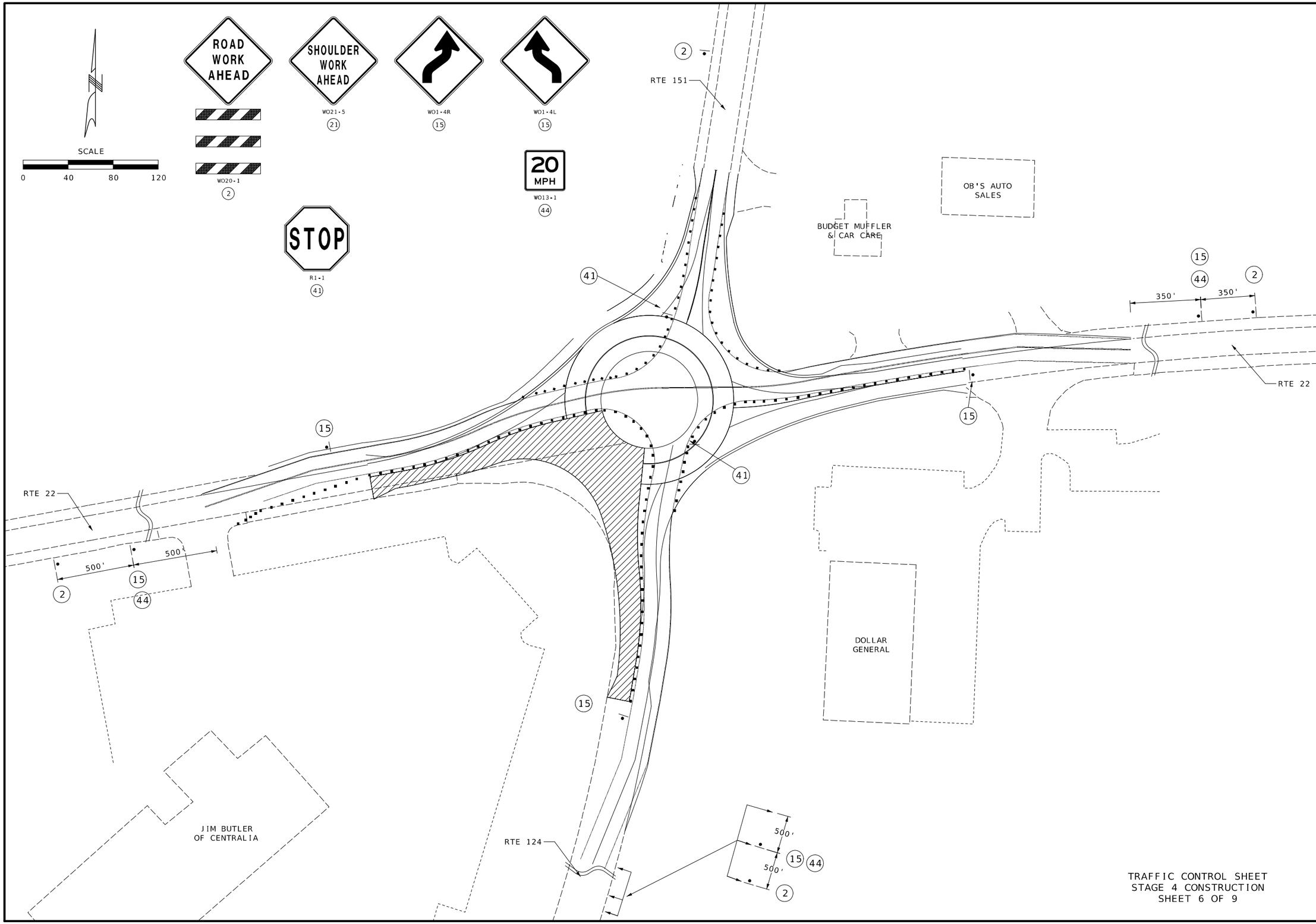
Patrick Hake
&[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 32
COUNTY BOONE	
JOB NO. JCD0030	
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)

TRAFFIC CONTROL SHEET
STAGE 3 CONSTRUCTION SIGNING
SHEET 5 OF 9



TRAFFIC CONTROL SHEET
STAGE 4 CONSTRUCTION
SHEET 6 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

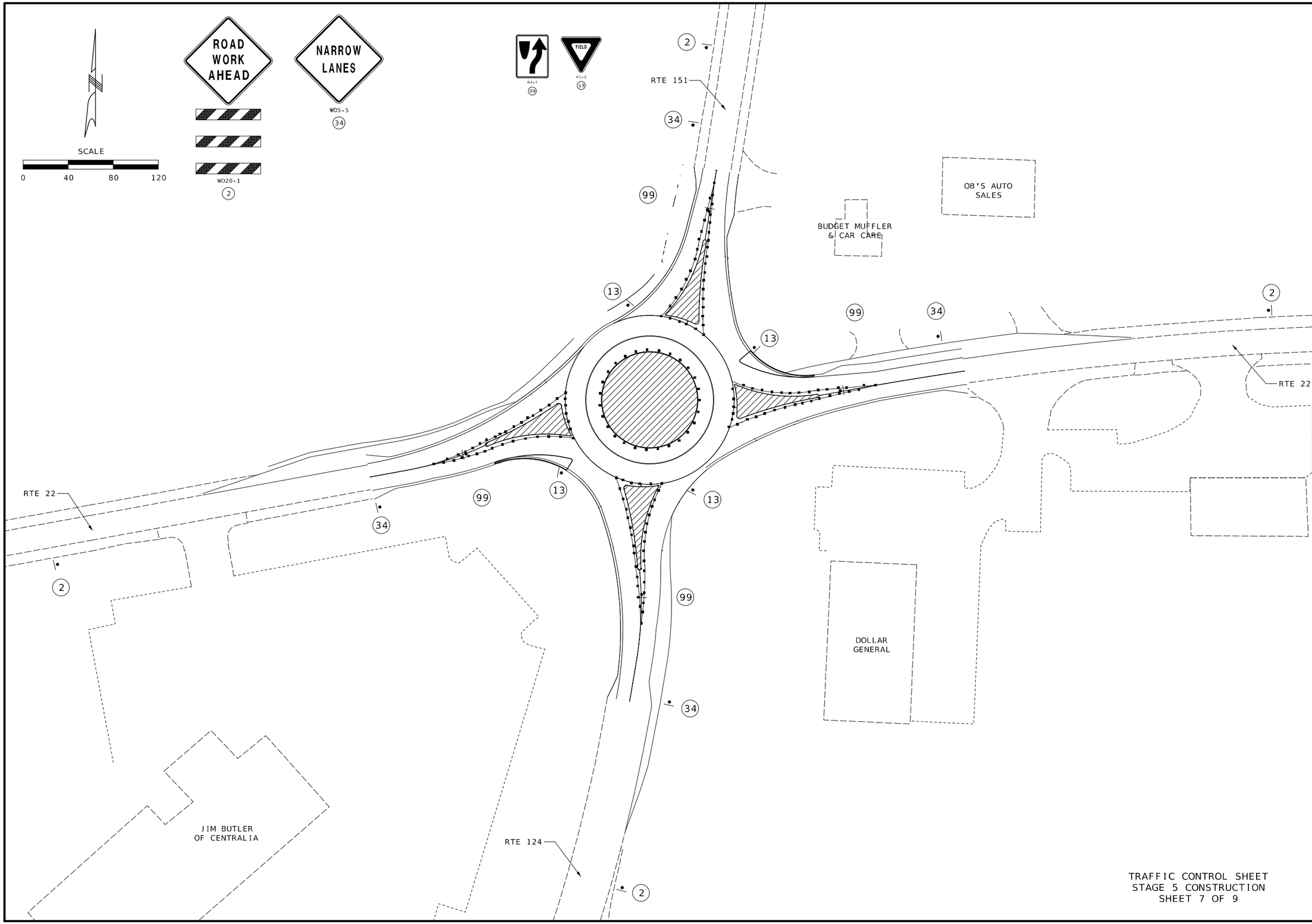
DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	33
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
STAGE 4 CONSTRUCTION SIGNING
SHEET 6 OF 9



TRAFFIC CONTROL SHEET
STAGE 5 CONSTRUCTION
SHEET 7 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

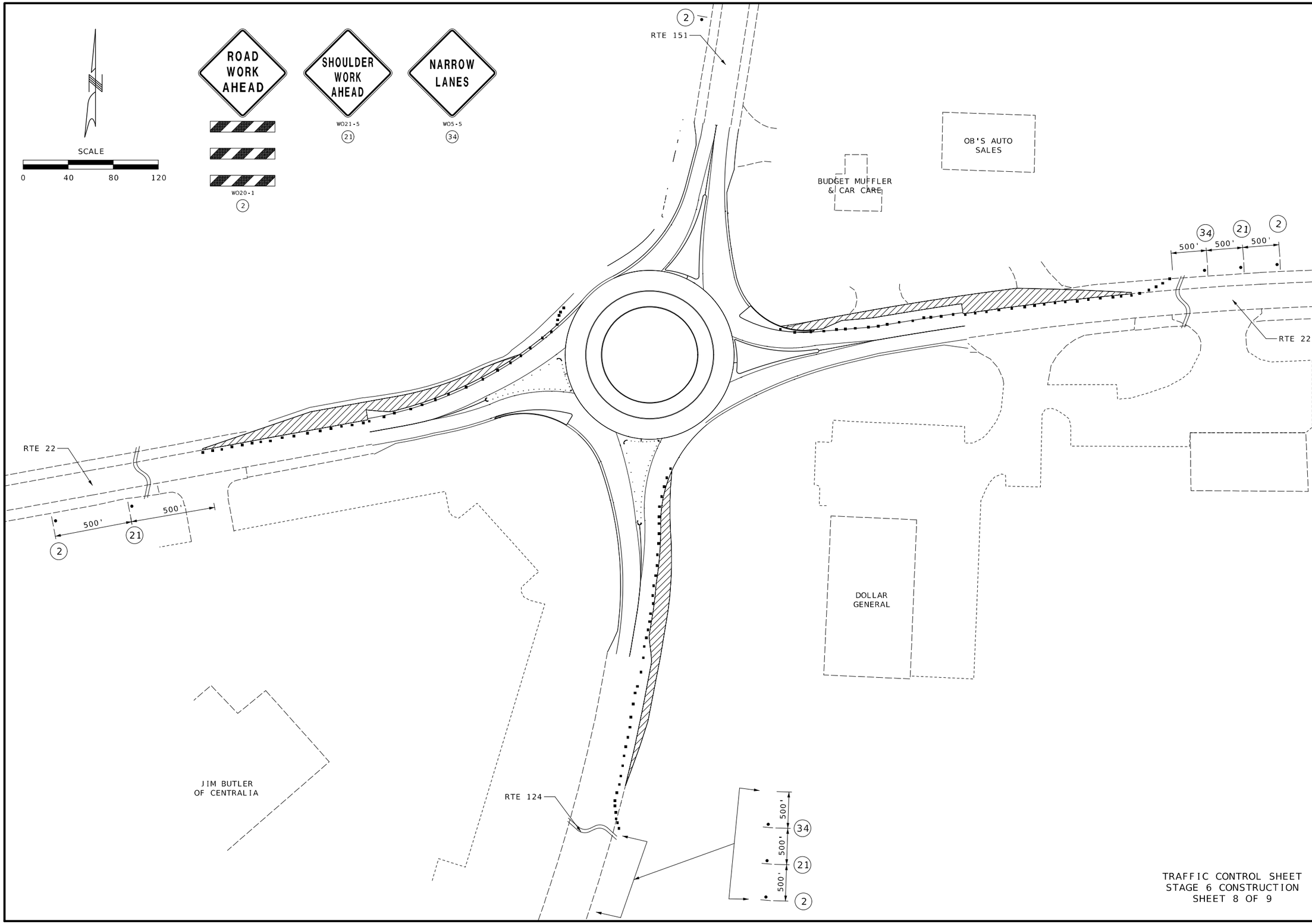
DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	34
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
STAGE 5 CONSTRUCTION SIGNING
SHEET 7 OF 9



TRAFFIC CONTROL SHEET
STAGE 6 CONSTRUCTION
SHEET 8 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

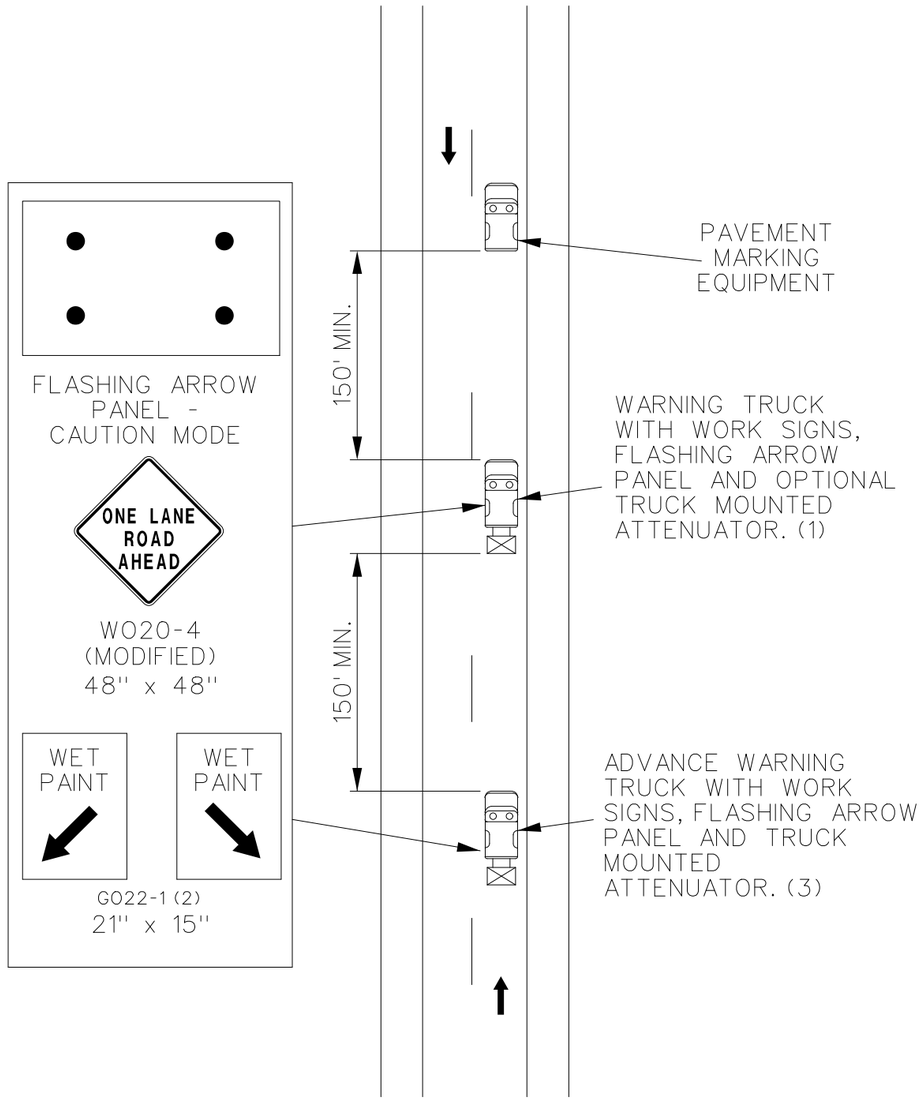
DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	35
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
STAGE 6 CONSTRUCTION SIGNING
SHEET 8 OF 9



CENTERLINE/ EDGELINE STRIPING
TWO-LANE HIGHWAY

NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

TRAFFIC CONTROL SHEET
STRIPING OPERATION
SHEET 9 OF 9

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
&{Date} &{Time}
PATRICK.J.HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	36
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

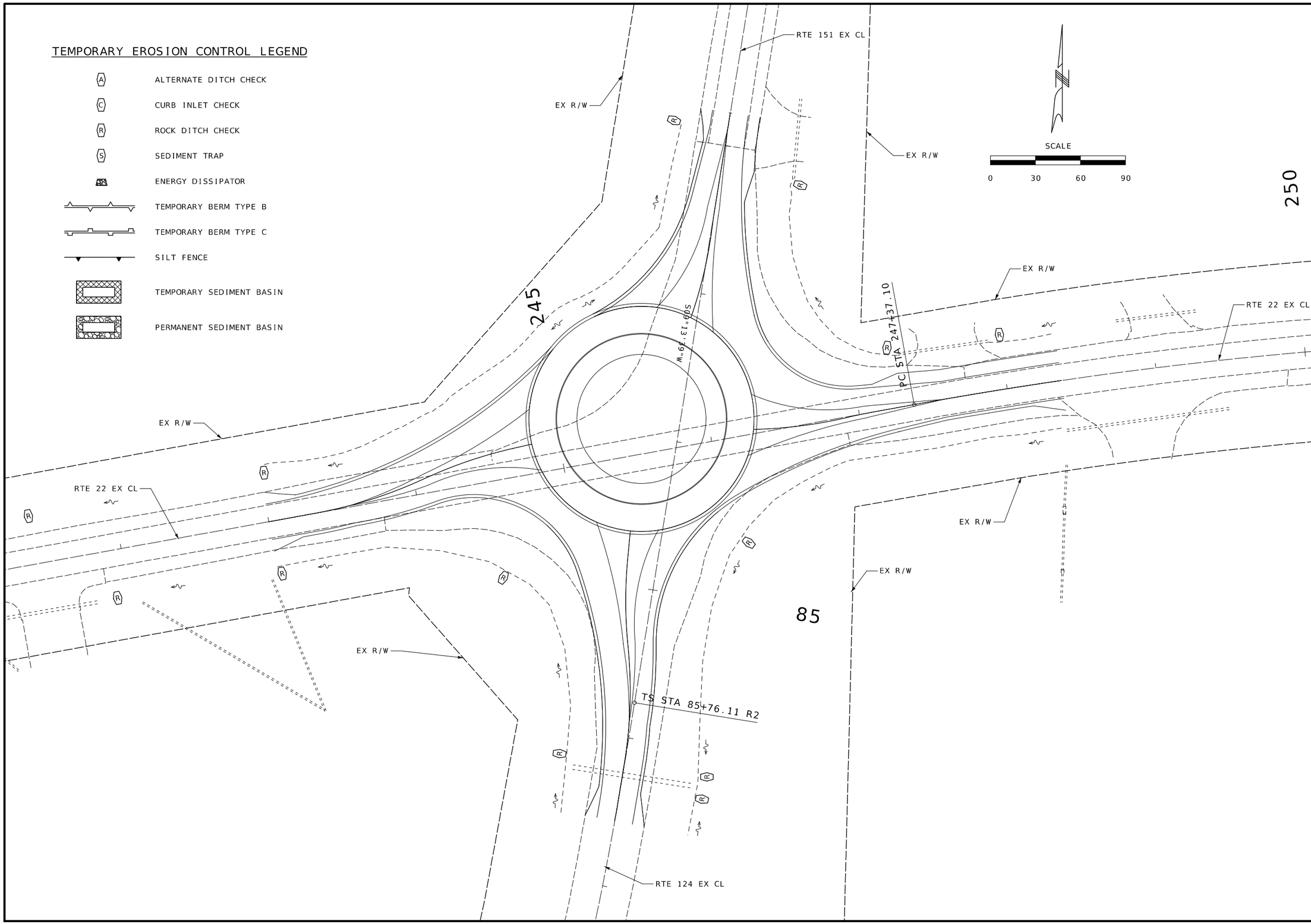
DATE	DESCRIPTION

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

TRAFFIC CONTROL SHEET
STRIPING OPERATION
SHEET 9 OF 9

TEMPORARY EROSION CONTROL LEGEND

- A — ALTERNATE DITCH CHECK
- C — CURB INLET CHECK
- R — ROCK DITCH CHECK
- S — SEDIMENT TRAP
- ENERGY DISSIPATOR
- TEMPORARY BERM TYPE B
- TEMPORARY BERM TYPE C
- SILT FENCE
- TEMPORARY SEDIMENT BASIN
- PERMANENT SEDIMENT BASIN



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/(Date) &(Time)
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	37
COUNTY	BOONE
JOB NO.	JCD0030
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)

EROSION CONTROL SHEET
SHEET 1 OF 1

LIGHTING LEGEND

	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY	P.S	POWER SOURCE
JCT	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
M M M	CONDUIT, RIGID (MEDIAN)	B B B	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

SCALE

0 30 60 90

NOTES:

(1) TYPE AT POLE, 30' MOUNTING HEIGHT
LED-A LUMINAIRE, 15' BRACKET ARM
CABLE 1C. 10 AWG POLE & BRACKET
(2) PULL BOX PREFORMED CLASS 1
(3) 2" RIGID CONDUIT (TRENCHED)
(4) 3" RIGID CONDUIT (TRENCHED)
(5) 1" CABLE-CONDUIT 2C, 2 AWG
(6) 1" CABLE-CONDUIT 2C, 8 AWG

240 VOLT CONTROL STATION

TYPE 1 POWER SUPPLY

EX. LT POLE

EX. LT POLE

EX. LT POLE

EX. LT POLE

EX. LT POLE

T RISER

P&C

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/23/2024
ROUTE	22
STATE	MO
DISTRICT	CD
SHEET NO.	38
COUNTY	BOONE
JOB NO.	JCD0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

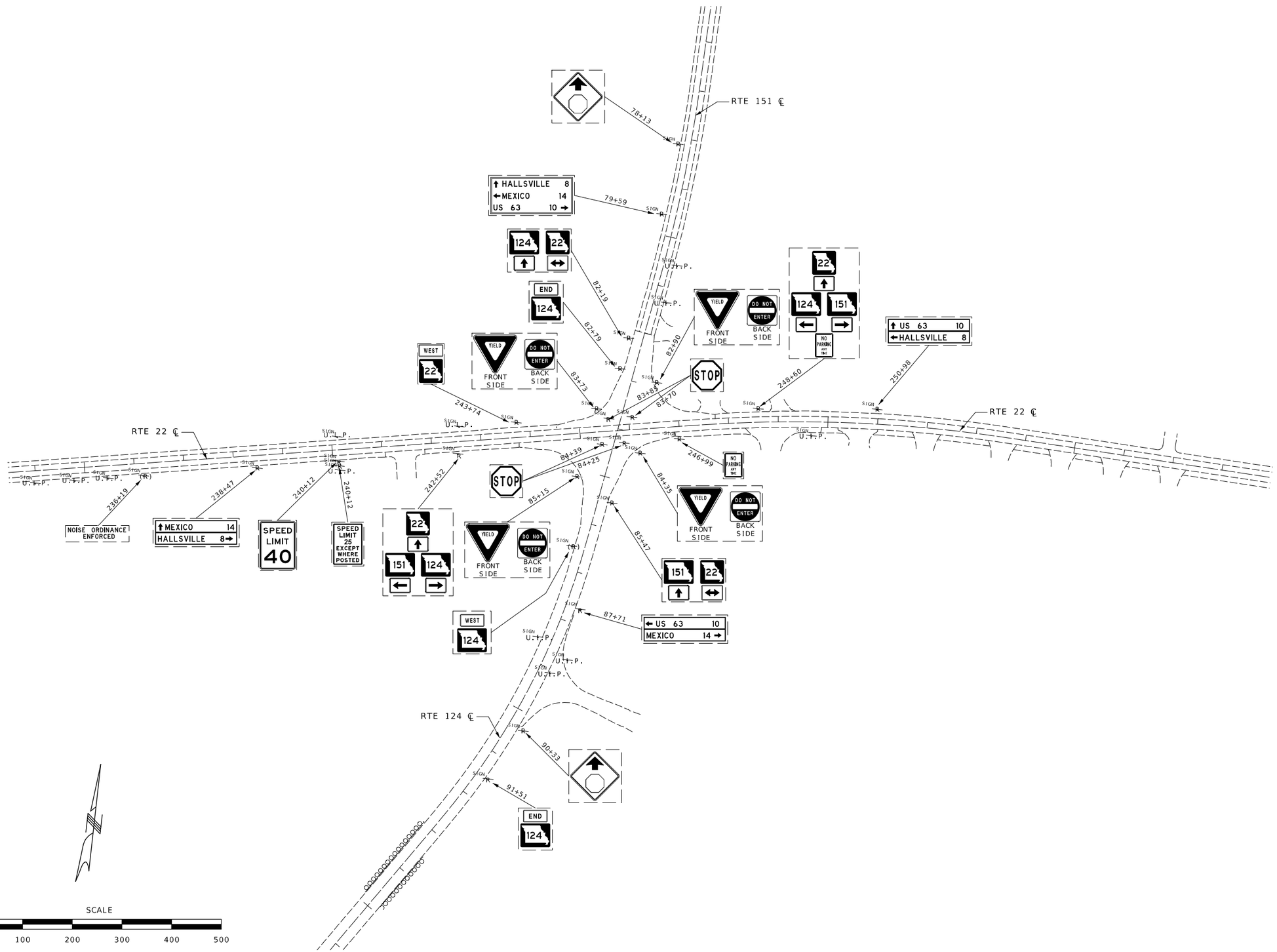
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LIGHTING SHEET
SHEET 1 OF 1



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
$[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

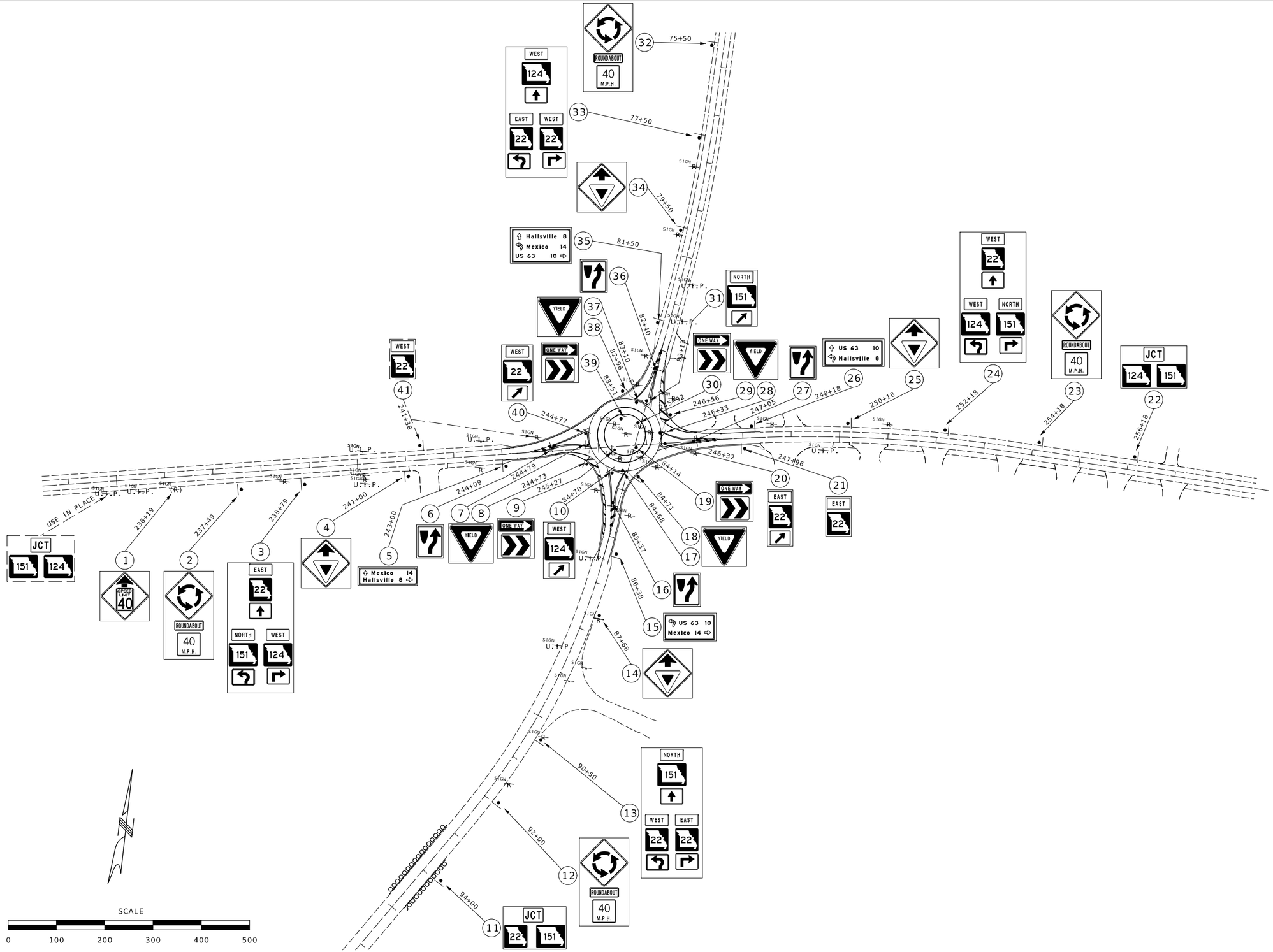
DATE PREPARED	
2/21/2024	
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 39
COUNTY BOONE	
JOB NO. JCD0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNING SHEET
SIGN REMOVALS
SHEET 1 OF 7



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&{Date} &{Time}
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 40
COUNTY	BOONE
JOB NO.	JCD0030
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)

SIGNING SHEET
SIGN INSTALLATIONS
SHEET 2 OF 7

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *						PIPE POST *					BACKING BARS *				U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST												
																		2" x 3/8" BARS @ 2.55 LBS PER LIN FT.					2 IN. POSTS						2.5 IN. POSTS						
																										ANCHORS							ANCHORS		BREAK-AWAY ASSEMBLY
SIGN NO.	SIGN SIZE	STATION/ LOG MILE	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	NO.	LGTH	TOTAL	TOTAL	ITEM NO. 9031250A	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	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7 GA. ITEM NO. 9031281A	CONCRETE 7 GA. ITEM NO. 9031285	ITEM NO. 9031241
						CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	EACH	LF	EACH
2		237+00		RTE 22 Rt.																									16		16		1		
3		239+00		RTE 22 Rt.														6	300	25	63.8								16		16		1		
4		241+00		RTE 22 Rt.																									16		16		1		
5		243+00		RTE 22 Rt.																									16	16	32				2
6		244+09		RTE 22 Lt.																									16		16				1
7		244+79		RTE 22 Lt.																									16		16				1
8		244+73		RTE 22 Rt.																									16		16		1		
9		245+27		RTE 22 Rt.																									16		16		1		
10		84+70		RTE 124 Rt.																									16		16				1
11		94+00		RTE 124 Lt.														2	100	8.3	21.2								16		16		1		
12		92+00		RTE 124 Lt.																									16		16		1		
13		90+50		RTE 124 Lt.														6	300	25	63.8								16		16		1		
14		87+68		RTE 124 Lt.																									16		16		1		
15		86+38		RTE 124 Lt.																									16	16	32				2
16		85+37		RTE 124 Rt.																									16		16				1
17		84+68		RTE 124 Rt.																									16		16				1
18		84+71		RTE 124 Lt.																									16		16		1		
19		84+14		RTE 124 Lt.																									16		16		1		
20		246+32		RTE 22 Rt.																									16		16				1
21		247+96		RTE 22 Rt.																									16		16		1		
22		256+18		RTE 22 Lt.														2	100	8.3	21.2								16		16		1		
23		254+18		RTE 22 Lt.																									16		16		1		
24		252+18		RTE 22 Lt.														6	300	25	63.8								16		16		1		
25		250+18		RTE 22 Lt.																									16		16		1		
26		248+18		RTE 22 Lt.																									16	16	32				2
27		247+05		RTE 22																									16		16				1
28		246+33		RTE 22 Lt.																									16		16				1
29		246+56		RTE 22 Lt.																									16		16		1		
30		245+92		RTE 22 Lt.																									16		16		1		
31		83+13		RTE 151 Lt.																									16		16				1
32		75+50		RTE 151 Rt.																									16		16		1		
33		77+50		RTE 151 Rt.														6	300	25	63.8								16		16		1		
34		79+50		RTE 151 Rt.																									16		16		1		
35		81+50		RTE 151 Rt.																									16	16	32				2
36		82+40		RTE 151																									16		16				1
37		83+10		RTE 151 Rt.																									16		16				1
38		82+96		RTE 151 Rt.																									16		16		1		
39		83+51		RTE 151 Rt.																									16		16		1		
40		244+77		RTE 22 Lt.																									16		16				1
41		241+38		RTE 22 Lt.																									16		16		1		
				TOTAL		0						300					0				300	0			0	0	0	0			704	0	24	0	20

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

REMARKS & OTHER REQUIRED ITEMS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN	LENGTH	DIA.	DEPTH	C.Y.
2	5.79	0.48	4'-3 "	12"	4'-6"	0.13
3	7.58	0.63	4'-3 "	12"	4'-6"	0.13
4	10.79	0.90	5'-3 "	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST					FOOTING								
POST DES.	NOM.	WEIGHT		STUB	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
NO.	SIZE	LBS/FT	LBS/IN	LENGTH		DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.5	4'-3"	0.51	4'-6"	0.54
3	W6	18	1.5	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26	2.17	5'-0"	36"	5'-0"	1.31	5-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	41

COUNTY
BOONE

JOB NO.
JCD0030

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)

SIGNING SHEET
D-29
SHEET 3 OF 7

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN																			
			36 x 36 (IN)	36 x 36 (IN)	24 x 24 (IN)	24 x 12 (IN)	24 x 24 (IN)	21 x 15 (IN)	24 x 12 (IN)	24 x 12 (IN)	30 x 24 (IN)	30 x 24 (IN)	21 x 15 (IN)	21 x 15 (IN)	36 x 36 (IN)	84 x 24 (IN)	24 x 30 (IN)	48 x 48 (IN)	36 x 12 (IN)	30 x 24 (IN)	36 x 12 (IN)
			SIGN DESCRIPTION, SIZES, AND NUMBER OF EACH																		
			W3-5	W2-6	W13-1P	M3-2	M1-5	M6-3	M3-1	M3-4	M1-5	M1-5	M5-3	M5-1R	W3-2	D1-2a	R4-7	R1-2	R6-1R	R6-4	W16-17P
1	236+19	RTE 22 Rt.	1																		
2	237+49	RTE 22 Rt.		1	1																1
3	238+79	RTE 22 Rt.				1	1	1	1	1	1	1	1	1							
4	241+00	RTE 22 Rt.													1						
5	243+00	RTE 22 Rt.														1					
6	244+09	RTE 22 Lt.															1				
7	244+79	RTE 22 Lt.																1			
8	244+73	RTE 22 Rt.																1			
9	245+27	RTE 22 Rt.																	1	1	

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE, AND SQUARE FEET: SIZE (IN)	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLOURESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A
W3-5	STD.	1	36 x 36		9	
W2-6	STD.	1	36 x 36		9	
W13-1P	STD.	1	24 x 24		4	
M3-2	STD.	1	24 x 12	2		
M1-5	STD.	1	24 x 24	4		
M6-3	STD.	1	21 x 15	2.1875		
M3-1	STD.	1	24 x 12	2		
M3-4	STD.	1	24 x 12	2		
M1-5	STD.	1	30 x 24	5		
M1-5	STD.	1	30 x 24	5		
M5-3	STD.	1	21 x 15	2.1875		
M5-1R	STD.	1	21 x 15	2.1875		
W3-2	STD.	1	36 x 36		9	
D1-2a	STD.	1	84 x 24			14
R4-7	STD.	1	24 x 30	5		
R1-2	STD.	2	48 x 48	32		
R6-1R	STD.	1	36 x 12	3		
R6-4	STD.	1	30 x 24	5		
W16-17P	STD.	1	36 x 12		3	
	SUBTOTAL 1			72	34	14

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN																		
			24 x 12 (IN)	30 x 24 (IN)	21 x 15 (IN)	21 x 15 (IN)	24 x 24 (IN)	30 x 24 (IN)	48 x 48 (IN)	24 x 24 (IN)	24 x 12 (IN)	30 x 24 (IN)	21 x 15 (IN)		24 x 12 (IN)	24 x 24 (IN)	21 x 15 (IN)	21 x 15 (IN)	48 x 48 (IN)	72 x 36 (IN)	36 x 12 (IN)
			SIGN DESCRIPTION, SIZES, AND NUMBER OF EACH																		
			M3-4	M1-5	M6-2R	M2-1	M1-5	M1-5	W2-6	W13-1P	M3-1	M1-5	M6-3		M3-2	M1-5	M5-3	M5-1R	W3-2	D1-2d	W16-17P
10	84+70	RTE 124 Rt.	1	1	1																
11	94+00	RTE 124 Lt.				1	1	1													
12	92+00	RTE 124 Lt.							1	1											1
13	90+50	RTE 124 Lt.	1								1	1	1		1	2	1	1			
14	87+68	RTE 124 Lt.																	1		
15	86+38	RTE 124 Lt.																		1	

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE, AND SQUARE FEET: SIZE (IN)	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLOURESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A
M3-4	STD.	2	24 x 12	4		
M1-5	STD.	1	30 x 24	5		
M6-2R	STD.	1	21 x 15	2.1875		
M2-1	STD.	1	21 x 15	2.1875		
M1-5	STD.	1	24 x 24	4		
M1-5	STD.	1	30 x 24	5		
W2-6	STD.	1	48 x 48		16	
W13-1P	STD.	1	24 x 24		4	
M3-1	STD.	1	24 x 12	2		
M1-5	STD.	1	30 x 24	5		
M6-3	STD.	1	21 x 15	2.1875		
M3-2	STD.	1	24 x 12	2		
M1-5	STD.	2	24 x 24	8		
M5-3	STD.	1	21 x 15	2.1875		
M5-1R	STD.	1	21 x 15	2.1875		
W3-2	STD.	1	48 x 48		16	
D1-2d	STD.	1	72 x 36			18
W16-17P	STD.	1	36 x 12		3	
	SUBTOTAL 2			46	39	18

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	42

COUNTY
BOONE

JOB NO.
JCD0030

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)

SIGNING SHEET
D-30
SHEET 4 OF 7

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN: 24 x 30 (IN)	48 x 48 (IN)	36 x 12 (IN)	30 x 24 (IN)	24 x 12 (IN)	24 x 24 (IN)	21 x 15 (IN)	21 x 15 (IN)	30 x 24 (IN)	30 x 24 (IN)	48 x 48 (IN)	24 x 24 (IN)	24 x 12 (IN)	21 x 15 (IN)	24 x 12 (IN)	21 x 15 (IN)	21 x 15 (IN)	48 x 48 (IN)	36 x 12 (IN)
			SIGN DESCRIPTION, SIZES, AND NUMBER OF EACH																		
			R4-7	R1-2	R6-1R	R6-4	M3-2	M1-5	M6-2R	M2-1	M1-5	M1-5	W2-6	W13-1P	M3-4	M5-3	M3-1	M5-1R	M6-3	W3-2	W16-17P
16	85+37	RTE 124 Rt.	1																		
17	84+68	RTE 124 Rt.		1																	
18	84+71	RTE 124 Lt.		1																	
19	84+14	RTE 124 Lt.			1	1															
20	246+32	RTE 22 Rt.					1	1	1												
21	247+96	RTE 22 Rt.					1	1													
22	256+18	RTE 22 Lt.								1	1	1									
23	254+18	RTE 22 Lt.											1	1							1
24	252+18	RTE 22 Lt.						1			1	1			2	1	1	1	1		
25	250+18	RTE 22 Lt.																		1	

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE, AND SQUARE FEET: SIZE (IN)	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLOURESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A
R4-7	STD.	1	24 x 30	5		
R1-2	STD.	2	48 x 48	32		
R6-1R	STD.	1	36 x 12	3		
R6-4	STD.	1	30 x 24	5		
M3-2	STD.	2	24 x 12	4		
M1-5	STD.	3	24 x 24	12		
M6-2R	STD.	1	21 x 15	2.1875		
M2-1	STD.	1	21 x 15	2.1875		
M1-5	STD.	2	30 x 24	10		
M1-5	STD.	2	30 x 24	10		
W2-6	STD.	1	48 x 48		16	
W13-1P	STD.	1	24 x 24		4	
M3-4	STD.	2	24 x 12	4		
M5-3	STD.	1	21 x 15	2.1875		
M3-1	STD.	1	24 x 12	2		
M5-1R	STD.	1	21 x 15	2.1875		
M6-3	STD.	1	21 x 15	2.1875		
W3-2	STD.	1	48 x 48		16	
W16-17P	STD.	1	36 x 12		3	
	SUBTOTAL	3		98	39	0

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN: 84 x 36 (IN)	24 x 30 (IN)	48 x 48 (IN)	36 x 12 (IN)	30 x 24 (IN)	24 x 12 (IN)	30 x 24 (IN)	21 x 15 (IN)	48 x 48 (IN)	24 x 24 (IN)	24 x 12 (IN)	30 x 24 (IN)	21 x 15 (IN)	24 x 12 (IN)	24 x 24 (IN)	21 x 15 (IN)	21 x 15 (IN)	48 x 48 (IN)	36 x 12 (IN)
			SIGN DESCRIPTION, SIZES, AND NUMBER OF EACH																		
			D1-2d	R4-7	R1-2	R6-1R	R6-4	M3-1	M1-5	M6-2R	W2-6	W13-1P	M3-4	M1-5	M5-3	M3-2	M1-5	M5-1R	M6-3	W3-2	W16-17P
26	248+18	RTE 22 Lt.	1																		
27	247+05	RTE 22		1																	
28	246+33	RTE 22 Lt.			1																
29	246+56	RTE 22 Lt.			1																
30	245+92	RTE 22 Lt.				1	1														
31	83+13	RTE 151 Lt.						1	1	1											
32	75+50	RTE 151 Rt.									1	1									1
33	77+50	RTE 151 Rt.											2	1	1	1	2	1	1		
34	79+50	RTE 151 Rt.																		1	

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE, AND SQUARE FEET: SIZE (IN)	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLOURESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A
D1-2d	STD.	1	84 x 36			21
R4-7	STD.	1	24 x 30	5		
R1-2	STD.	2	48 x 48	32		
R6-1R	STD.	1	36 x 12	3		
R6-4	STD.	1	30 x 24	5		
M3-1	STD.	1	24 x 12	2		
M1-5	STD.	1	30 x 24	5		
M6-2R	STD.	1	21 x 15	2.1875		
W2-6	STD.	1	48 x 48		16	
W13-1P	STD.	1	24 x 24		4	
M3-4	STD.	2	24 x 12	4		
M1-5	STD.	1	30 x 24	5		
M5-3	STD.	1	21 x 15	2.1875		
M3-2	STD.	1	24 x 12	2		
M1-5	STD.	2	24 x 24	8		
M5-1R	STD.	1	21 x 15	2.1875		
M6-3	STD.	1	21 x 15	2.1875		
W3-2	STD.	1	48 x 48		16	
W16-17P	STD.	1	36 x 12		3	
	SUBTOTAL	4		80	39	21

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake
&[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	43

COUNTY
BOONE

JOB NO.
JCD0030

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)

SIGNING SHEET
D-30
SHEET 5 OF 7

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN 84 x 48 (IN)	24 x 30 (IN)	48 x 48 (IN)	36 x 12 (IN)	30 x 24 (IN)	x (IN)	x (IN)	21 x 15 (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	x (IN)	(IN)
			SIGN DESCRIPTION, SIZES, AND NUMBER OF EACH																		
			D1-3d	R4-7	R1-2	R6-1R	R6-4			M6-2R											
35	81+50	RTE 151 Rt.	1																		
36	82+40	RTE 151		1																	
37	83+10	RTE 151 Rt.			1																
38	82+96	RTE 151 Rt.			1																
39	83+51	RTE 151 Rt.				1	1														
40	244+77	RTE 22 Lt.								1											

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE, AND SQUARE FEET: SIZE (IN)	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLOURESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A
D1-3d	STD.	1	84 x 48			28
R4-7	STD.	1	24 x 30	5		
R1-2	STD.	2	48 x 48	32		
R6-1R	STD.	1	36 x 12	3		
R6-4	STD.	1	30 x 24	5		
M6-2R	STD.	1	21 x 15	2.1875		
			SUBTOTAL 5	47	0	28
			SUBTOTAL 4	80	39	21
			SUBTOTAL 3	98	39	0
			SUBTOTAL 2	46	39	18
			SUBTOTAL 1	72	34	14
			TOTAL	343	151	81

* ORANGE, YELLOW, & YELLOW/GREEN

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

8[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/27/2024

ROUTE 22 | STATE MO
DISTRICT CD | SHEET NO. 44
COUNTY BOONE
JOB NO. JCD0030
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

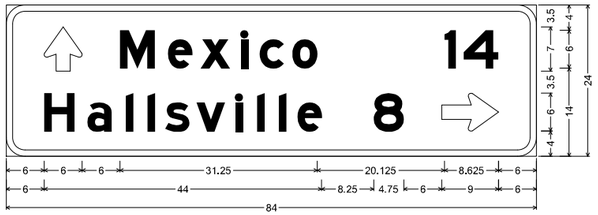
DESCRIPTION
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

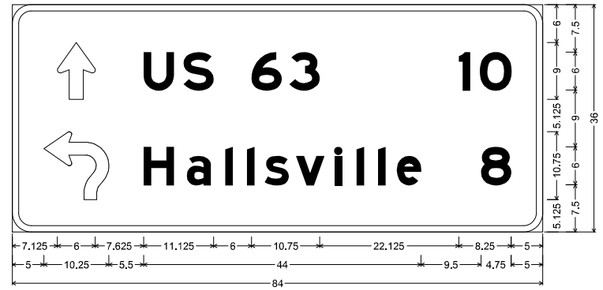
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET
D-30
SHEET 6 OF 7



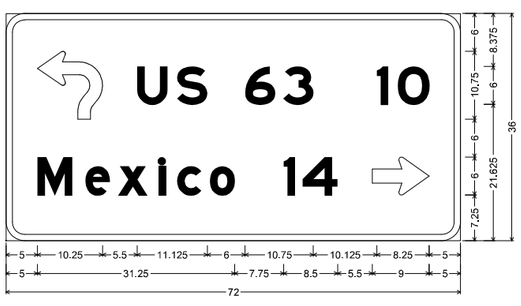
D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 7.000" X 6.000" 90°; "Mexico", E Mod; "14", E Mod; "Hallsville", E Mod; "8", E Mod; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 6.000	M 18.000	e 25.625	x 30.750	l 37.125	c 40.125	o 45.375	l 69.375	4 72.500					
H 6.000	a 12.875	l 19.000	l 22.375	s 25.125	v 30.125	l 36.375	l 39.750	l 43.125	e 46.125	8 58.250	⇨ 69.000		



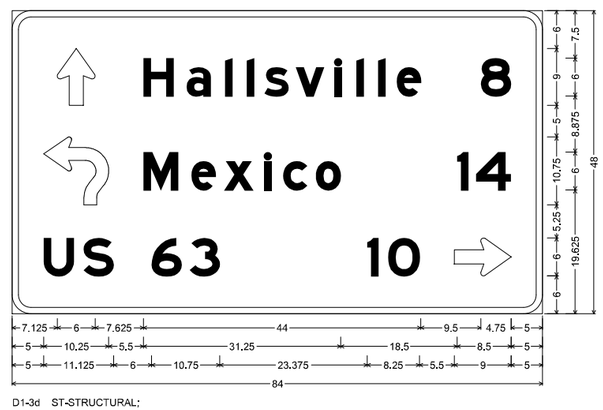
D1-2d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "US 63", E Mod; "10", E Mod; "Hallsville", E Mod; "8", E Mod;
Table of letter and object lefts

⇧ 7.125	U 20.750	S 27.125	6 37.875	3 43.875	l 70.750	0 74.000
⇦ 5.000	H 20.750	a 27.625	l 33.750	l 37.125	s 40.000	v 44.875	l 51.125	l 54.500	l 58.000	e 60.875	8 74.250



D1-2d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "US 63", E Mod; "10", E Mod; "Mexico", E Mod; "14", E Mod;
Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇦ 5.000	U 20.750	S 27.125	6 37.875	3 43.875	l 58.750	0 62.000			
M 5.000	e 12.625	x 17.750	l 24.125	c 27.125	o 32.250	l 44.000	4 47.000	⇨ 58.000	



D1-3d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "Hallsville", E Mod; "8", E Mod; "Mexico", E Mod; "14", E Mod; "US 63", E Mod; "10", E Mod; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 7.125	H 20.750	a 27.625	l 33.750	l 37.125	s 40.000	v 44.875	l 51.125	l 54.500	l 57.875	e 60.875	8 74.250		
⇦ 5.000	M 20.750	e 28.375	x 33.500	l 39.875	c 42.875	o 48.125	l 70.500	4 73.500					
U 5.000	S 11.250	6 22.125	3 28.125	l 56.250	0 59.500	⇨ 70.000							

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER
Patrick Hake
8/[Date] &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
2/21/2024

ROUTE	STATE
22	MO
DISTRICT	SHEET NO.
CD	45

COUNTY
BOONE

JOB NO.
JCD0030

CONTRACT ID.

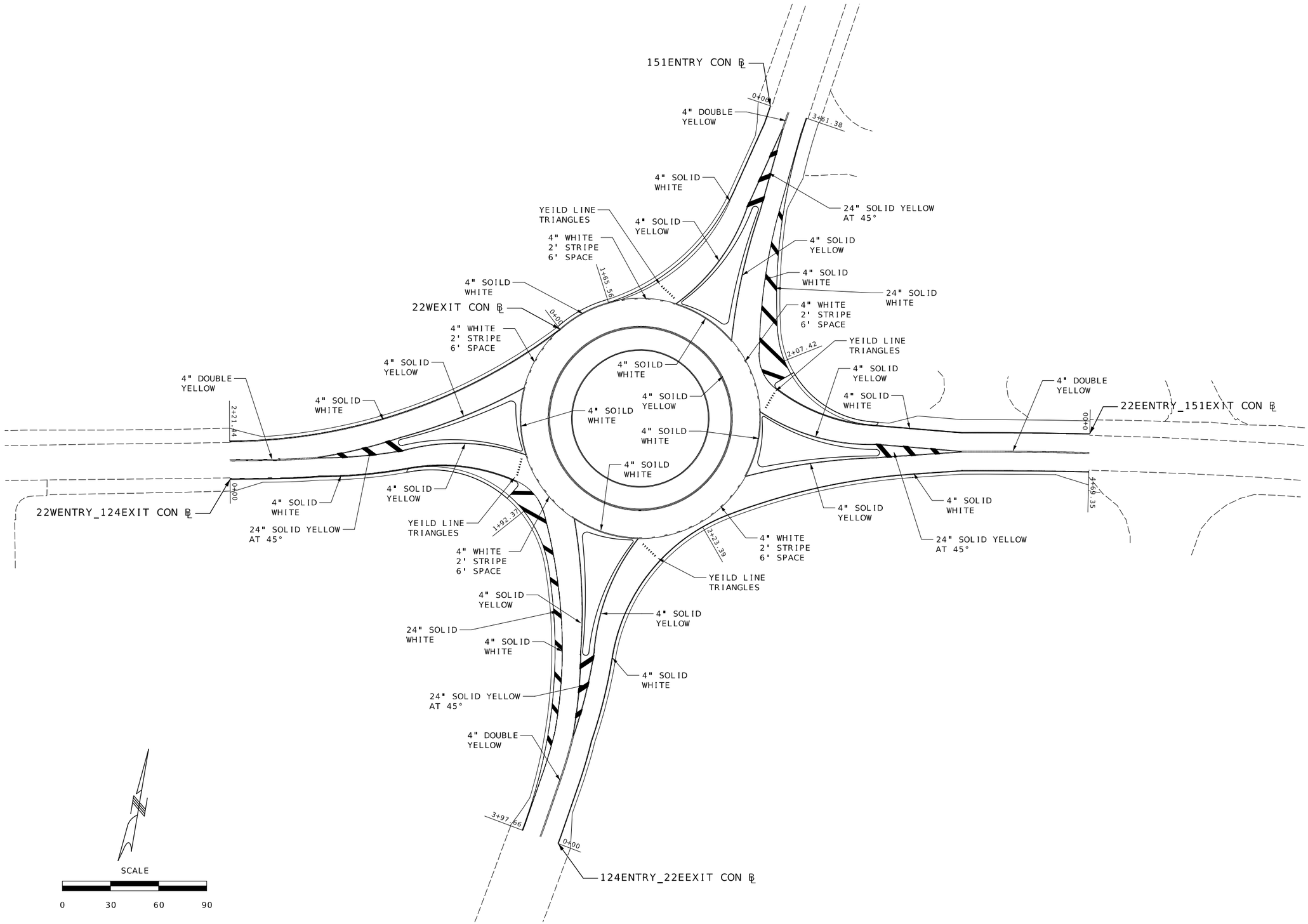
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

SIGNING SHEET
D-31
SHEET 7 OF 7



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER PE-2010000826
PROFESSIONAL ENGINEER

Patrick Hake

$[Date) &[Time]
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED	2/21/2024
ROUTE 22	STATE MO
DISTRICT CD	SHEET NO. 46
COUNTY	BOONE
JOB NO.	JCD0030
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)

PAVEMENT MARKING SHEET
SHEET 1 OF 1