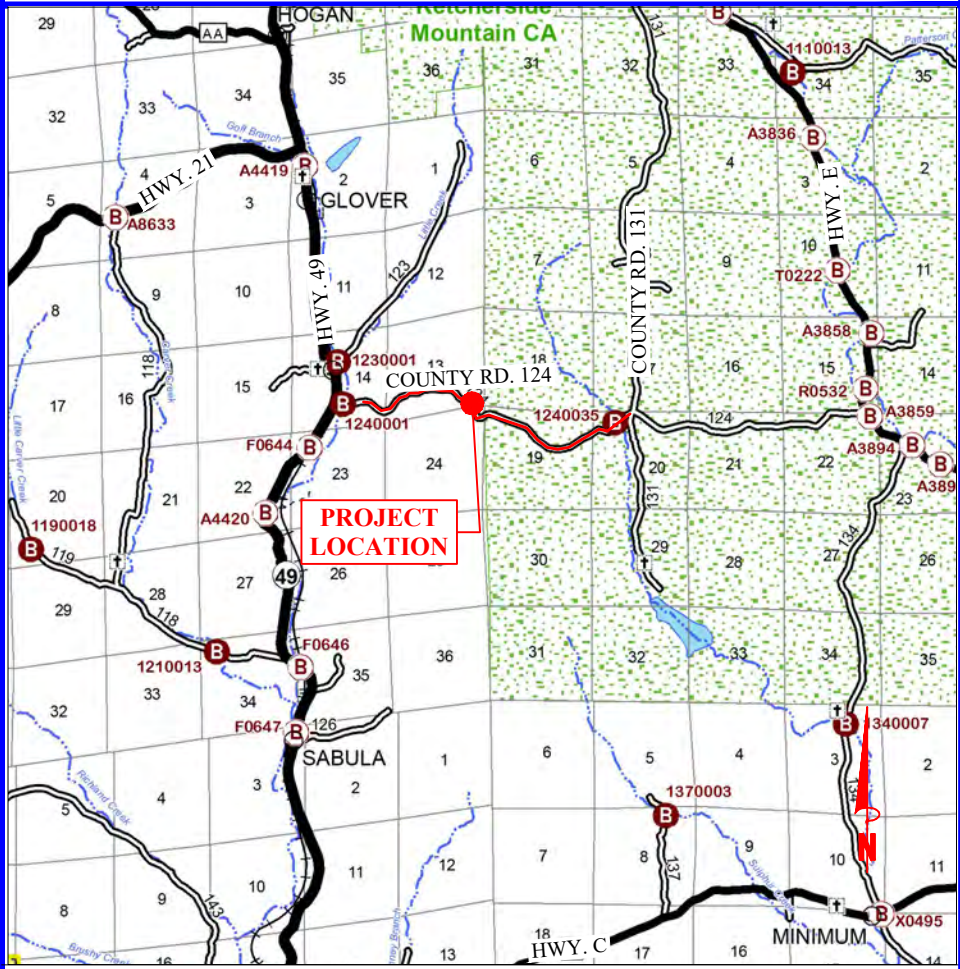


CONTACT INFORMATION	
OWNER	CONSULTANT
IRON COUNTY	COCHRAN
REPRESENTATIVE: IRON COUNTY COMMISSION	REPRESENTATIVE: TARY TODD, P.E.
ADDRESS: PO BOX 42 250 S. MAIN ST. IRONTON, MISSOURI 63650	ADDRESS: 737 RUDDER ROAD FENTON, MISSOURI 63026
PHONE: (573) 546-5700	PHONE: (314) 842-4033
	WATER
MoDOT	
REPRESENTATIVE: MELISSA ROSE	REPRESENTATIVE: _____
ADDRESS: PO BOX 160 SIKESTON, MISSOURI 63801	ADDRESS: _____
PHONE: (573) 380-1658	PHONE: _____
SEWER	GAS
REPRESENTATIVE: _____	REPRESENTATIVE: _____
ADDRESS: _____	ADDRESS: _____
PHONE: _____	PHONE: _____
ELECTRIC	TELEPHONE
AMEREN MISSOURI	BRIGHTSPEED
REPRESENTATIVE: _____	REPRESENTATIVE: _____
ADDRESS: _____	ADDRESS: _____
PHONE: 800-552-7583	PHONE: 800-244-1111
LOCATION INFORMATION	LENGTH OF PROJECT
QUADRANGLE/YEAR: GLOVER, MO/2021 TOWNSHIP: 32N RANGE: 3E (4E) SECTION: 14, 13, 24, (19, 20)	START OF PROJECT: STA. 14+40.00 END OF PROJECT: STA. 200+92.47 PROJECT LENGTH: 18,652.47 FEET



VICINITY MAP
NOT TO SCALE

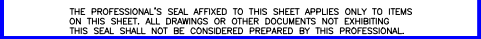
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MARCH 2025



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FENTON, MISSOURI 63026
TELEPHONE (314) 842-4033
FAX (314) 842-5957
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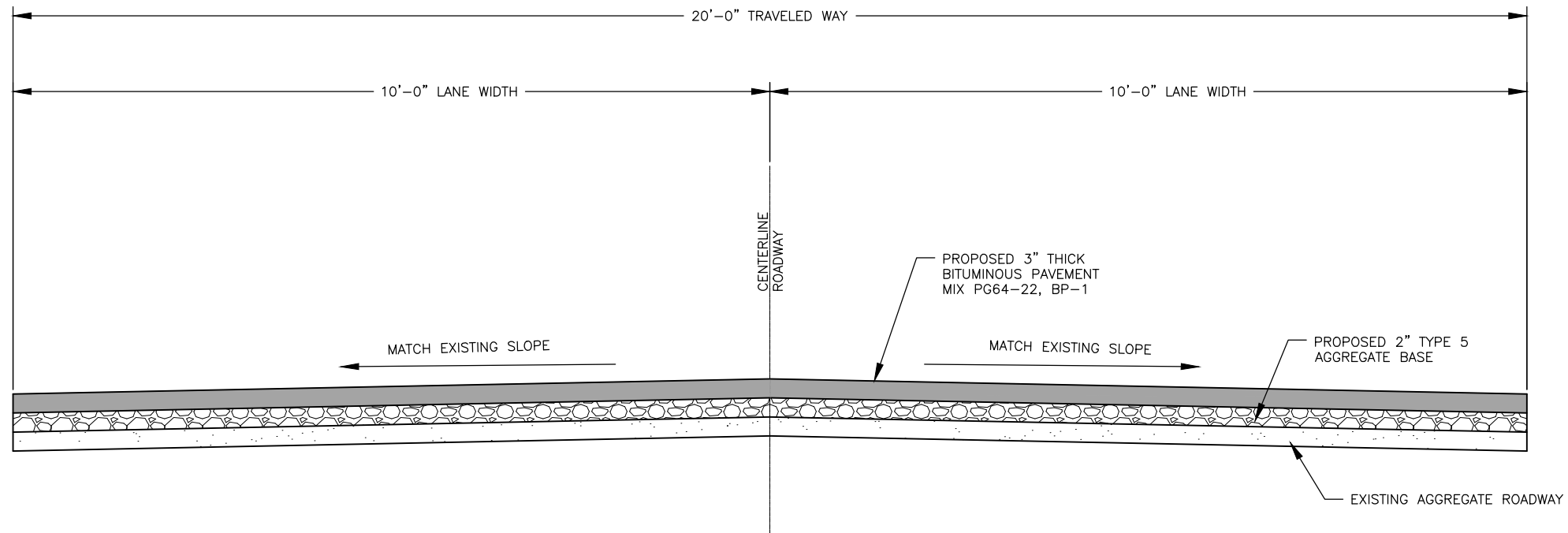
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WHERE THE TERM "STANDARD SPECIFICATIONS" IS USED, SUCH REFERENCE SHALL MEAN THE 2023 EDITION OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS OTHERWISE PROVIDED IN THE PROJECT MANUAL. IN CASE OF CONFLICT IN THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS STATED IN THE PROJECT MANUAL, THE REQUIREMENTS IN THE PROJECT MANUAL SHALL PREVAIL.

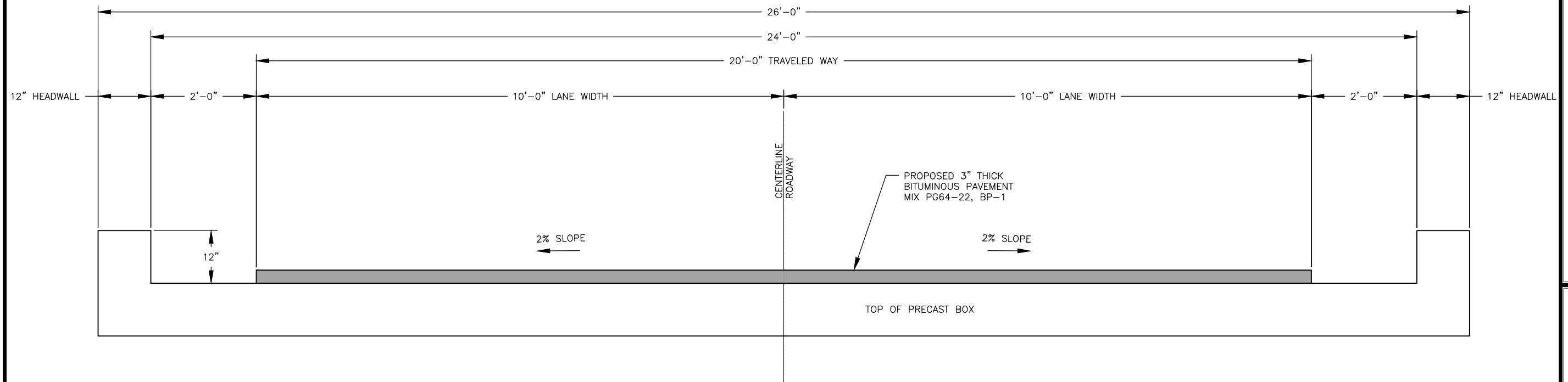


JIM SCAGGS
PRESIDING COMMISSIONER

TYPICAL SECTION



TYPICAL PAVEMENT SECTION



TYPICAL PAVEMENT SECTION
OVER CULVERT

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LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER: 2007004529



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DBA COCHRAN
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COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

[illegible]

Drawing name: U:\SC23-1534 FLAP-078 County Road 124 Paving Project\AUTOCAD DRAWINGS\SITE.dwg Tab: S-1 Plotted on: Mar 20, 2025 - 11:43am Plotted by: mburton

SITE PLAN



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STATE OF MISSOURI

TARY TODD

NUMBER E-24182

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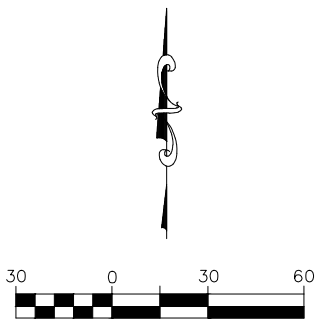
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COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

SITE PLAN	DATE:	REVISION:		
	DWN. BY:	APPD. BY:		
	M.R.B.	T.D.T.		
	DATE:			
	MARCH 2025			
SCALE: 1" = 1,500'				
PROJ. NO: SC23-1534				
DWG. NO: S-1				

SITE PLAN



Bid No.	Spec. No.	Description	Unit	Quantity
ROADWAY ITEMS				
1	2022010	Removal of Improvements	LS	1
2	3040504	Type 5 Aggregate for Base 2 In. Thick	SY	41,453
3	4011211	Bituminous Pavement Mix PG64-22 (BP-1) 3 In.	TON	6,996
4	6161025	Channelizers	EA	100
5	6181000	Mobilization	LS	1
6	6161006	"Road Work Ahead" Sign (W20-1)	EA	4
7	6161006	"End Road Work" Sign (G20-2)	EA	4
8	6161006	"Shoulder Work Ahead" Sign (W21-5)	EA	2
9	6161006	"One Lane Road" Sign (W20-4)	EA	2
10	6161006	"Flagger" Sign (W20-7a)	EA	2
11	6161006	"Road Narrows" Sign (W5-1)	EA	2
12	6161099	Changeable Message Sign with Communication Interface, Contractor Furnished, Contractor Retained	EA	2
13	7339903	Box Culvert To Be Removed and Replaced	EA	1

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STATE OF MISSOURI

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NUMBER E-24182

7/1/2025

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COUNTY ROAD 124 PAVING PROJECT

PROJECT NO. FLAP-078

IRON COUNTY, MISSOURI

SITE PLAN

DATE: / /

REVISION:

DWN BY: M.R.B.

APPD BY: T.D.T.

DATE: MARCH 2025

SCALE: 1" = 60'

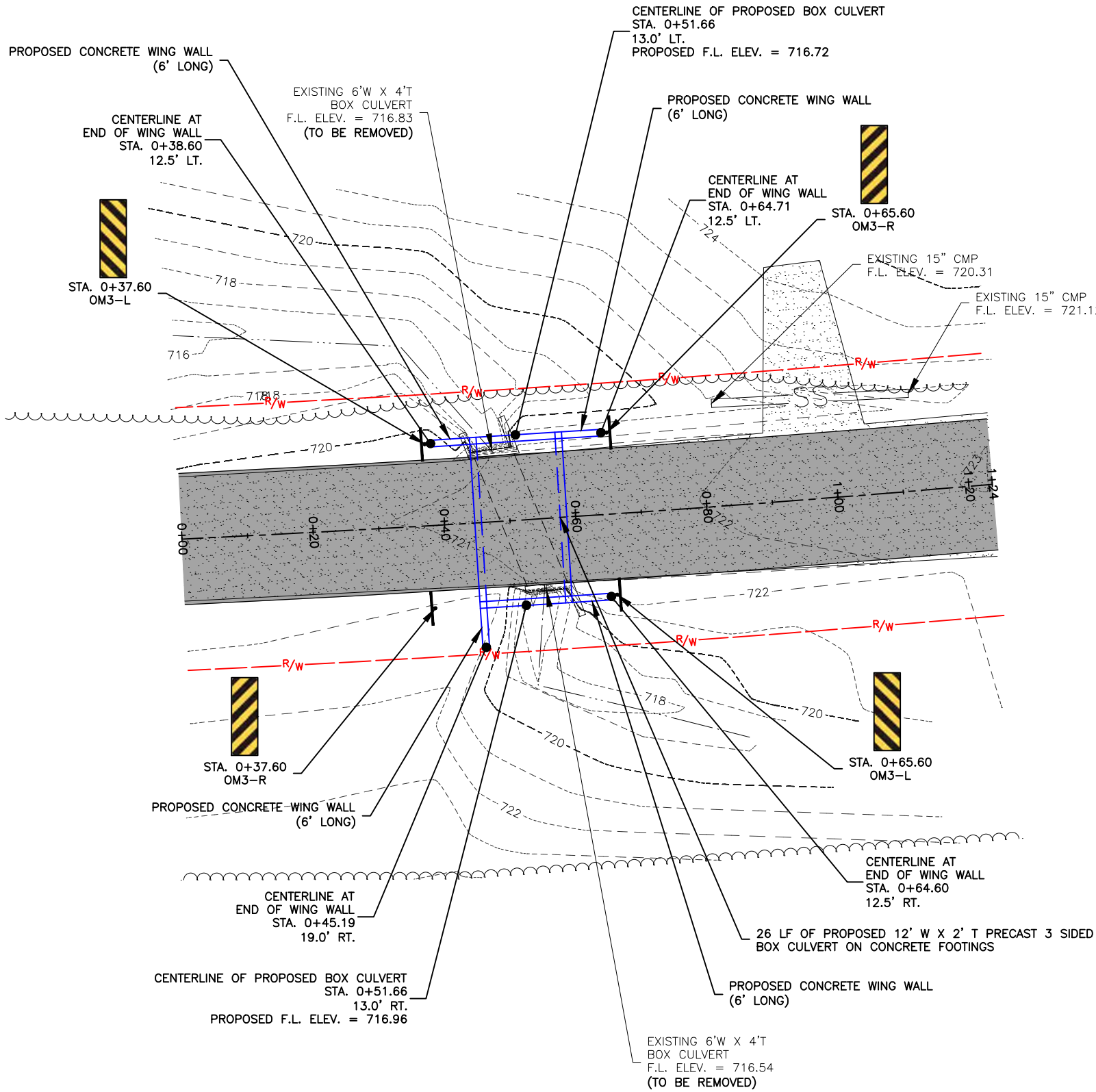
PROJ. NO: SC23-1534

DWG. NO:

S-2

Drawing name: U:\SC23-1534 FLAP-078 County Road 124 Paving Project\AUTOCAD DRAWINGS\SITE.dwg Tab: S-3 Plotted on: Mar 20, 2025 - 11:43am Plotted by: mburton

SITE PLAN



NOTE:
ALL EARTHWORK WITHIN THE FLOWLINE OF THE CREEK/DITCH SHALL BE KEPT TO A MINIMUM NECESSARY FOR REMOVAL AND INSTALLATION

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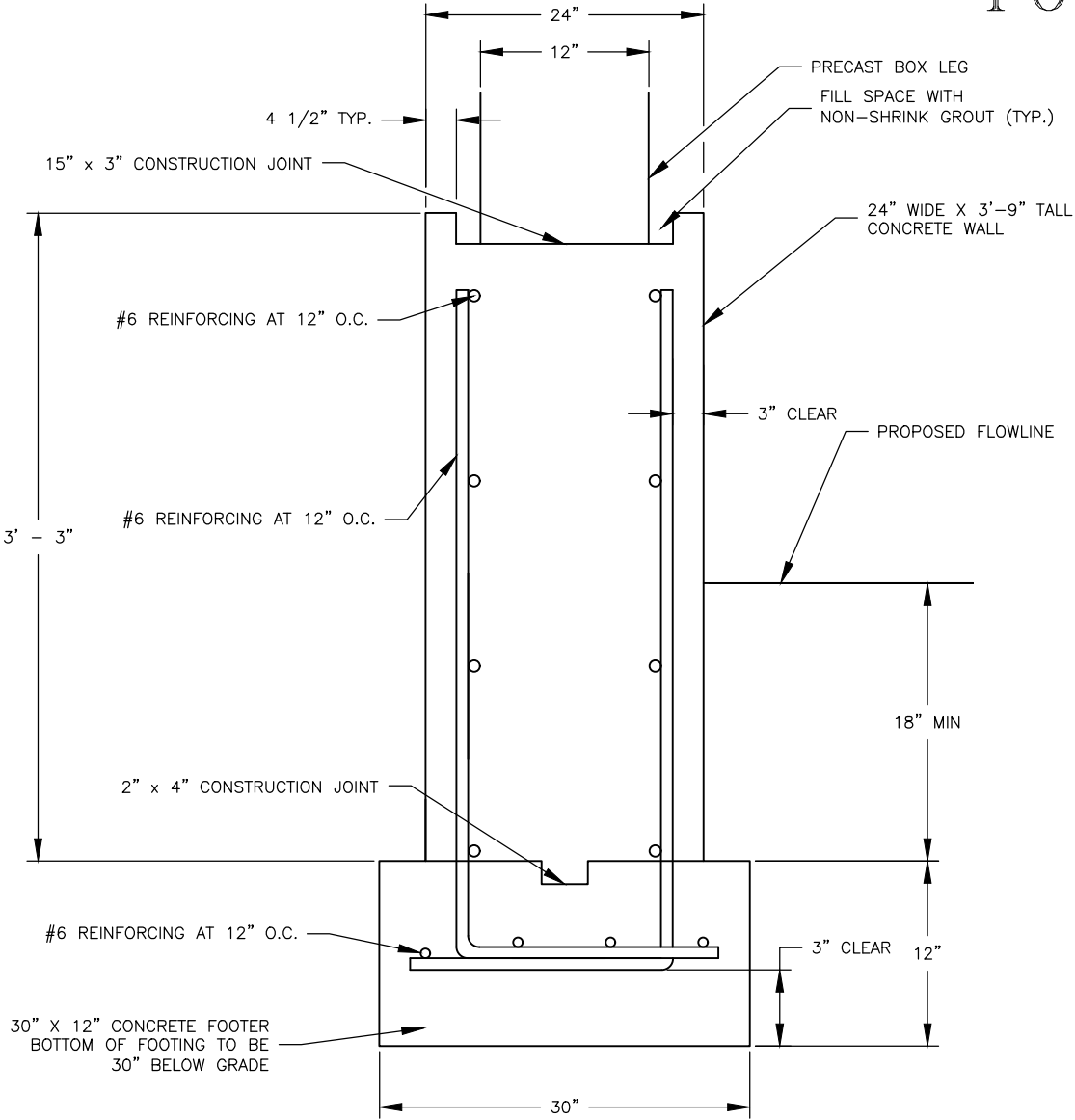
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COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

SITE PLAN	REVISION:	
	DATE:	
	DWN BY:	M.R.B.
	APPD BY:	T.D.T.
	DATE:	MARCH 2025
	SCALE:	1" = 20'
	PROJ. NO:	SC23-1534
	DWG. NO:	S-3

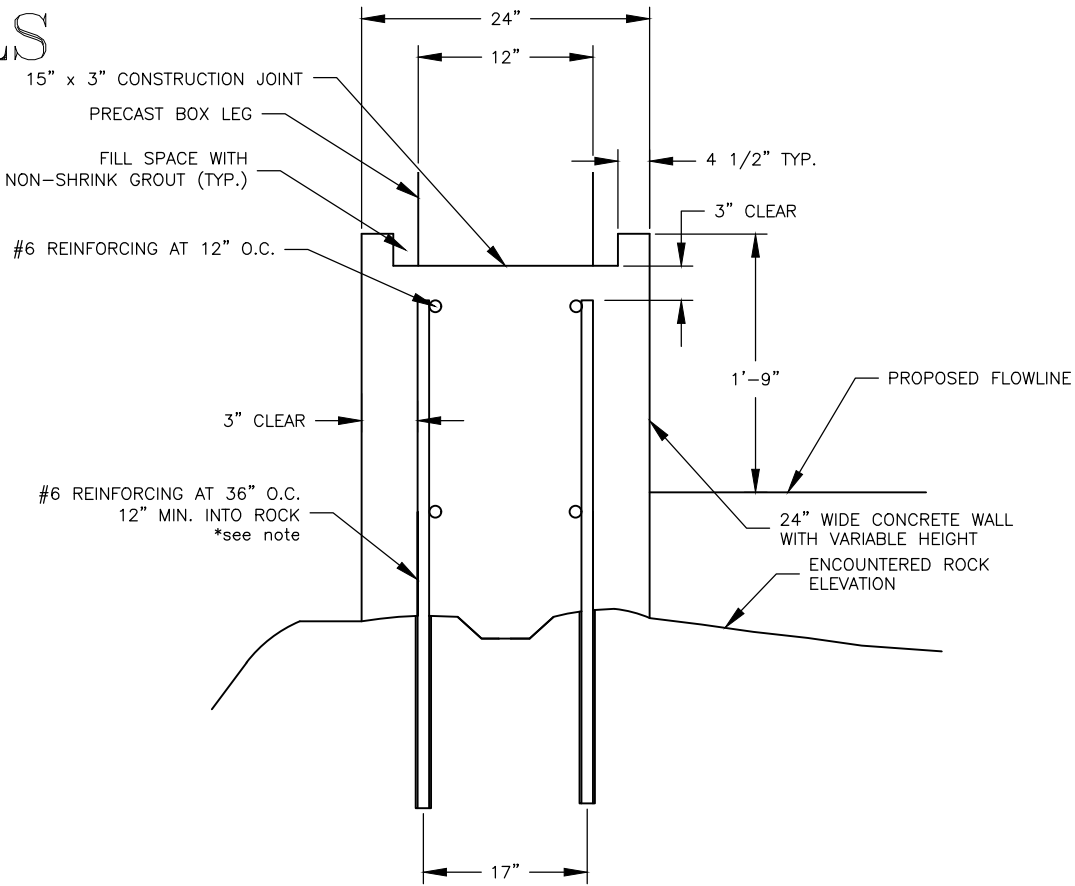
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FOOTING DETAILS

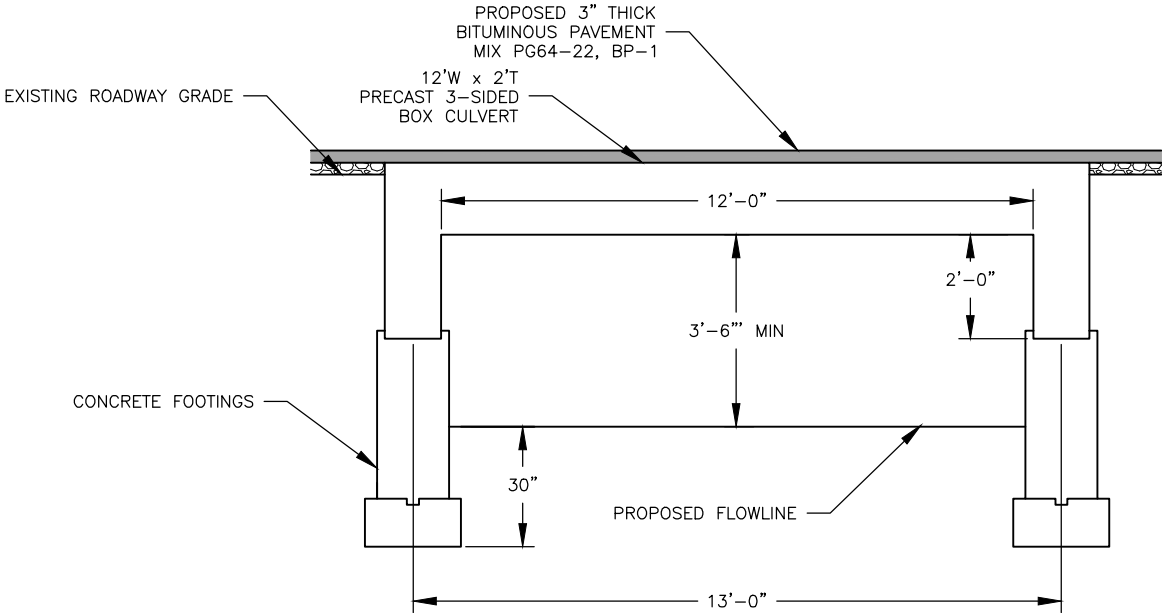


DESIGN WITH NO
ROCK ENCOUNTERED

- NOTE:
- *BOTTOM OF FOOTING TO BE 30" BELOW GRADE. IF ROCK IS ENCOUNTERED DURING EXCAVATION, DOWEL #6 REINFORCING AT 36" O.C. 12" MIN. INTO ROCK WITH EPOXY GROUT. FOOTING CAN BE ELIMINATED IF INSTALL CAN BE FORMED ON ROCK.
 - ROCK ELEVATIONS TO BE CONFIRMED PRIOR TO REINFORCING STEEL FABRICATION.
 - PROPOSED CULVERT SHALL BE INSTALLED TO MATCH THE EXISTING ROADWAY GRADE.



DESIGN WITH
ROCK ENCOUNTERED



BOX CULVERT

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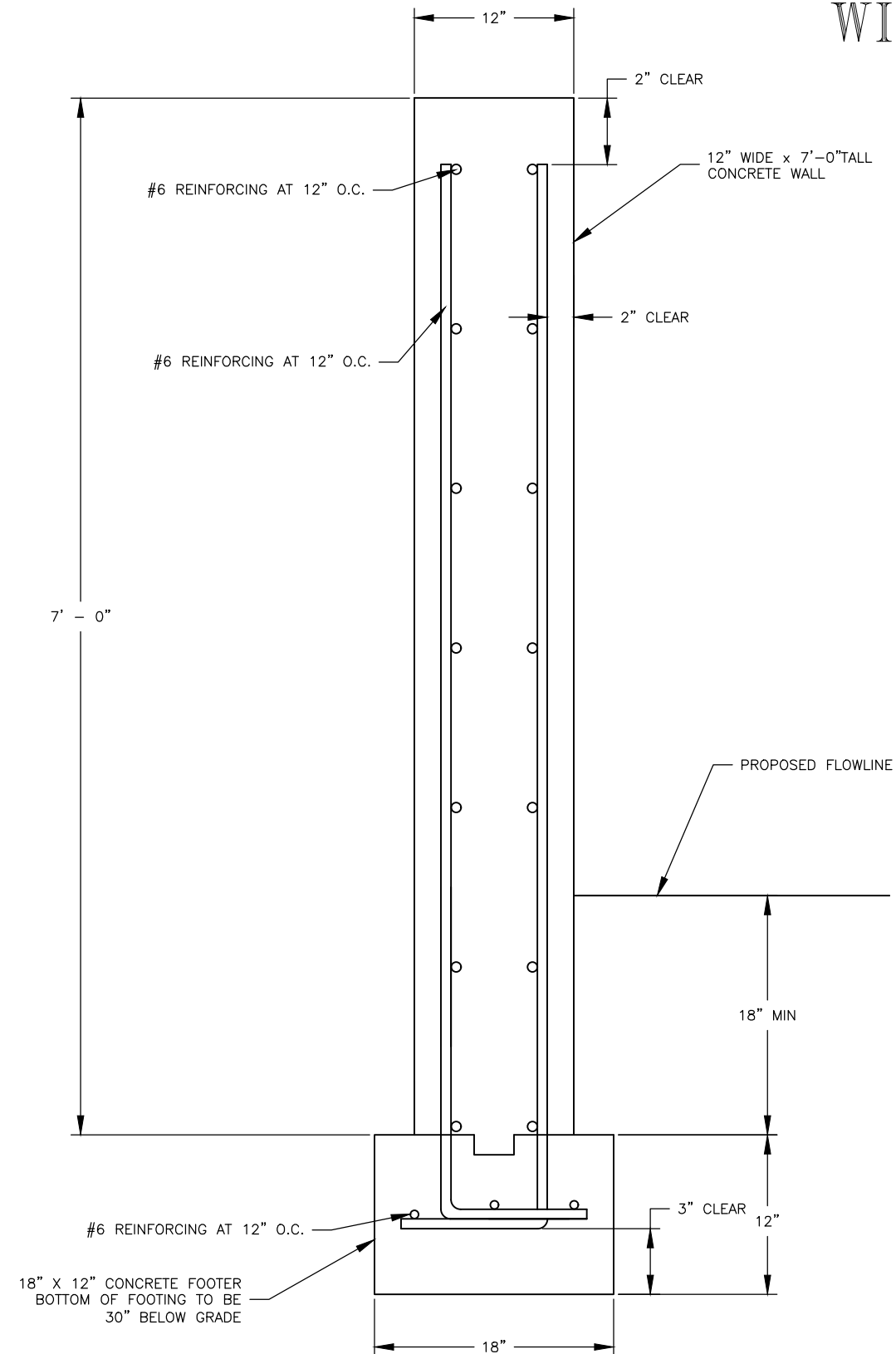
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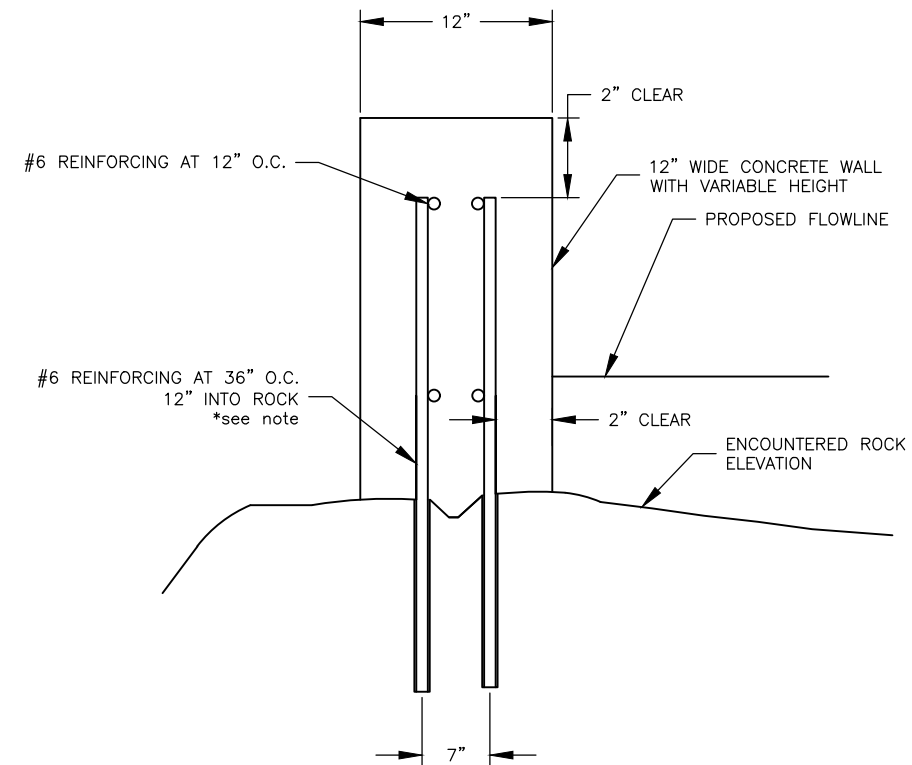
COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

WALL DETAILS	REVISION:	DATE:	DWN BY:	APPD BY:
			M.R.B.	T.D.T.
			DATE:	MARCH 2025
			SCALE:	NOT TO SCALE
			PROJ. NO.:	SC23-1534
			DWG. NO.:	DE-1

WING WALL DETAILS



WING WALL DESIGN
WITH NO ROCK
ENCOUNTERED



WING WALL DESIGN WITH ROCK ENCOUNTERED

- NOTE:
- *BOTTOM OF FOOTING TO BE 30" BELOW GRADE. IF ROCK IS ENCOUNTERED DURING EXCAVATION, DOWEL #6 REINFORCING AT 36" O.C. 12" MIN. INTO ROCK WITH EPOXY GROUT. FOOTING CAN BE ELIMINATED IF WALL CAN BE FORMED ON ROCK.
 - ROCK ELEVATIONS TO BE CONFIRMED PRIOR TO REINFORCING STEEL FABRICATION.



TARY TODD
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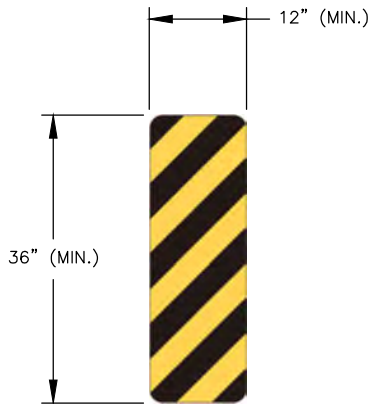
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COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

WALL DETAILS	RETURN:															
	DATE:															
	DWN. BY: M.R.B.								APP'D. BY: T.D.T.							
	DATE: MARCH 2025															
	SCALE: NOT TO SCALE															
	PROJ. NO: SC23-1534															
	DWG. NO: <i>DE-2</i>															

Drawing name: U:\SC23-1534 FLAP-078 County Road 124 Paving Project\AUTOCAD DRAWINGS\WALL DETAILS.dwg Tab: DE-3 Plotted on: Mar 20, 2025 - 11:43am Plotted by: mburton

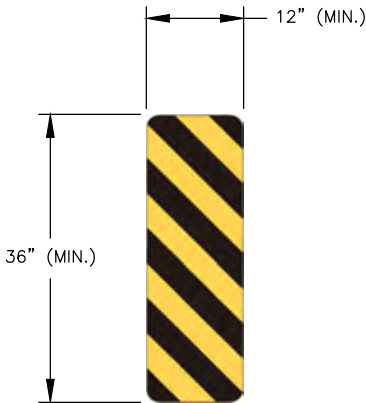
SIGN DETAILS



- NOTE:
- 1. STRIPES SHALL SLOPE DOWNWARD AT AN ANGLE OF 45 DEGREES
 - 2. STRIPES SHALL BE A MINIMUM WIDTH OF 3 INCHES
 - 3. INSTALL AT CORNER OF BRIDGE AND ALIGN WITH CURB.

COLORS:
STRIPES - BLACK
BACKGROUND - YELLOW (RETROREFLECTIVE)

"TYPE 3 OBJECT MARKER RIGHT" (OM3-R) SIGN
NO SCALE



- NOTE:
- 1. STRIPES SHALL SLOPE DOWNWARD AT AN ANGLE OF 45 DEGREES
 - 2. STRIPES SHALL BE A MINIMUM WIDTH OF 3 INCHES
 - 3. INSTALL AT CORNER OF BRIDGE AND ALIGN WITH CURB.

COLORS:
STRIPES - BLACK
BACKGROUND - YELLOW (RETROREFLECTIVE)

"TYPE 3 OBJECT MARKER LEFT" (OM3-L) SIGN
NO SCALE

SIGN DETAILS

DATE:	REVISION:	DWN. BY:	APPD. BY:
		M.R.B.	T.D.T.
DATE:			
SCALE:			
PROJ. NO:			
DWG. NO:			

DE-3

COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI



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Table 6B-1. Recommended Advance Warning Sign Minimum Spacing

Road Type	Distance between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by the highway agency or owner of site roadways open to public travel.

** The column headings A, B, and C are the dimensions shown in Figures 6P-1 through 6P-54 The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The “first sign” is the sign in a three-sign series that is closest to the TTC zone. The “third sign” is the sign that is furthest upstream from the TTC zone.)

Table 6B-2. Stopping Sight Distance as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

* Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed

Table 6B-3. Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Merging Taper	at least L
Shifting Taper	at least 0.5 L
Shoulder Taper	at least 0.33 L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream Taper	50 feet minimum, 100 feet maximum

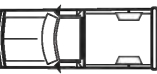
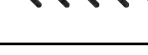
Note: Use Table 6B-4 to calculate L

Table 6B-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Table 6P-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or support trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of travel		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work vehicle
	Pavement markings that should be removed for a long-term project		



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STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
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PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

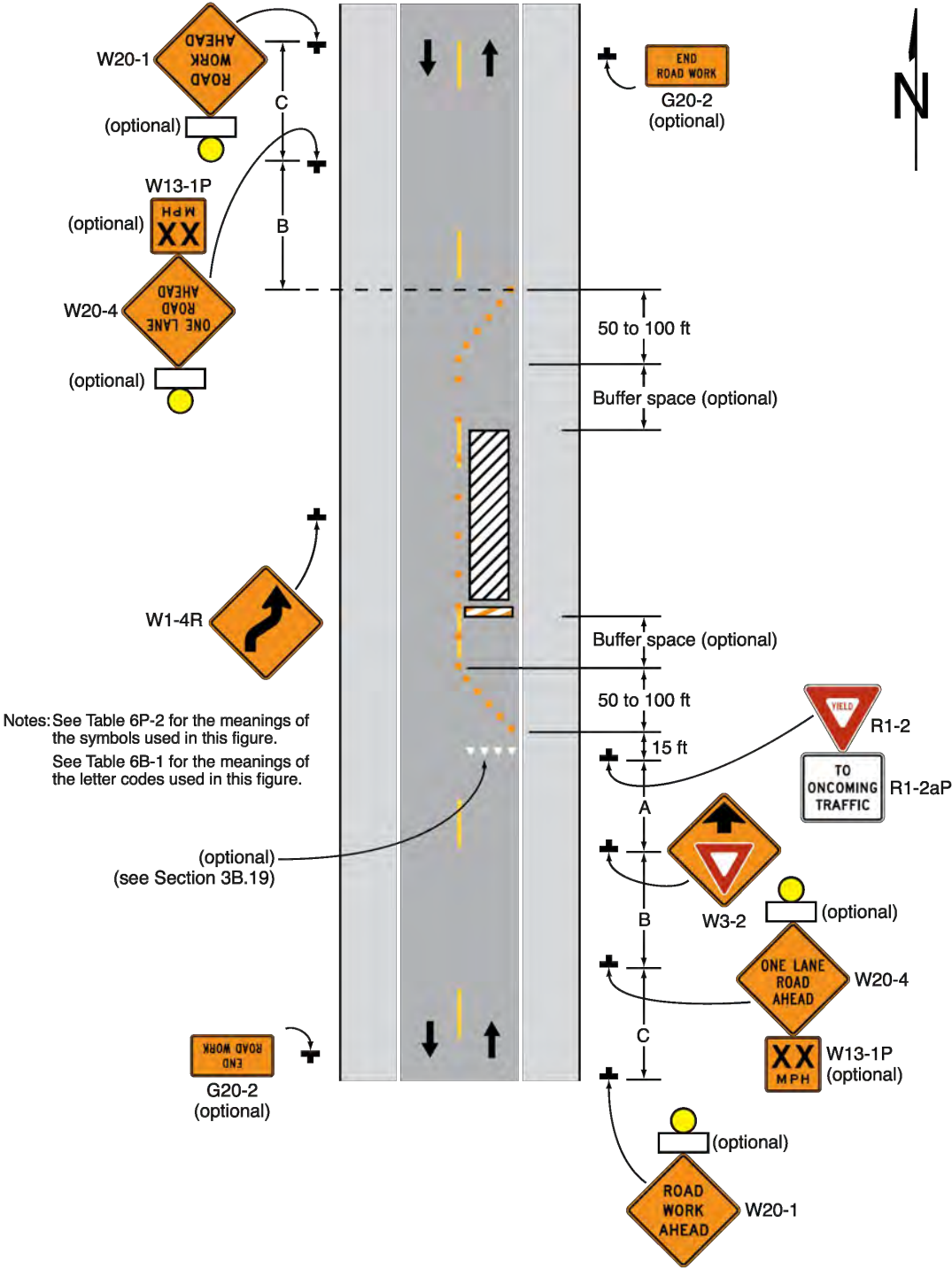
TRAFFIC CONTROL PLAN	DATE:	REVISION:	DWN BY:	APPD BY:
			M.R.B.	T.D.T.
			DATE:	MARCH 2025
			SCALE:	NO SCALE
			PROJ. NO:	SC23-1534
			DWG. NO:	TC-1

Drawing name: U:\SC23-1534 FLAP-078 County Road 124 Paving Project\AUTOCAD DRAWINGS\TRAFFIC CONTROL.dwg Tab: TC-2 Plotted on: Mar 20, 2025 - 11:43am Plotted by: mburton

Notes for Figure 6P-11—Typical Application 11
Lane Closure on a Two-Lane Road with Low Traffic Volumes

- Option:
- 1. Positive protection devices may be used per Section 6M.02.
 - 2. This TTC zone application may be used as an alternate to the TTC application shown in Figure 6P-10 (using flaggers) when the following conditions exist:
 - a. Vehicular traffic volume is such that sufficient gaps exist for vehicular traffic that must yield.
 - b. Road users from both directions are able to see approaching vehicular traffic through and beyond the worksite and have sufficient visibility of approaching vehicles.
 - 3. The Type B flashing warning lights may be placed on the ROAD WORK AHEAD and the ONE LANE ROAD AHEAD signs whenever a night lane closure is necessary.

Figure 6P-11. Lane Closure on a Two-Lane Road with Low Traffic Volumes (TA-11)



Typical Application 11

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COUNTY ROAD 124 PAVING PROJECT
PROJECT NO. FLAP-078
IRON COUNTY, MISSOURI

TRAFFIC CONTROL PLAN

DATE	REVISION

DWN BY: M.R.B.

APPD BY: T.D.T.

DATE: MARCH 2025

SCALE: NO SCALE

PROJ. NO: SC23-1534

DWG. NO: TC-2