ADDENDUM 04

Issued: 11/12/2024

Project: Vivion Rd Trail Segment 1

PROJECT NO: TAP 3454(401)

Engineer: McClure

Matt Eblen 913-307-2588

meblen@mcclurevision.com

This addendum forms a part of the contract documents and modifies the original procurement documents dated October 2024.

ITEM

- 1. The bid due date has been extended from 11/7/24 at 10:00am to 11/15/24 at 10:00am.
- 2. Item 26 (Double Sided address sign (NICH Associates LLC Property) has been removed from the bid form... The City will work with a contractor to remove and relocate this sign. Vivion Rd Trail contractor is asked to protect the existing sign and coordinate with City's contractor for removal and replacement timing and activities.
- 3. Item 26 has been replaced with "Type F Barriers with Tie-Down Straps" (based on lineal footage).
- 4. Asphalt Pavement has been changed to KC-APWA Type 5 (instead of originally specified SP 125C)
- 5. A fee for Item 37 (Pressure Transducer Transmitter Box Relocation) has been included on the Bid Form for all contractors. The fee will cover the cost to remove and relocate the Pressure Transducer Transmitter Box.
- 6. Temporary Shoring has been moved to a Bid Alternate. Disregard item 2 under emailed questions and answers from Addendum 2:

"Is the temporary shoring quantity supposed to be a square foot quantity instead of a linear foot quantity?

The quantity is meant to be a linear foot quantity, as it was assumed 1' wide sheet piles would be driven to the length mentioned in Addendum 1 (2,187 ft)."

7. Temporary Shoring is now listed as a SF quantity. Per MoDOT, any temporary shoring that is left in place and not completely removed should be removed to at least 2 feet below the finished ground line. Shoring shop drawings and calculations shall be designed and stamped by a Missouri Registered Engineer. SF quantity listed on the bid form is based on the shoring depths noted in Item 2 on Addendum 1. If the Contractor's

Engineer or Contractor's installation method shows the need for less shoring the total units will be adjusted. It is not anticipated that more shoring will be needed.

EMAILED QUESTIONS AND ANSWERS

- 1. The Excavation item quantity appears to be off by quite a bit as the cross sections do not account for excavation to subgrade, so the quantity given in the bid form will likely double. This does not include wall excavation? This was checked twice to confirm this question, but the raw numbers (existing to finished grade surface) removed pavement thickness from the finished grade surface to create less fill. This is what was meant by the note under the summary of quantities on page 3 of the plans ("Embankment quantities have removed pavement thickness from surface to surface CAD numbers"). Wall excavation was included insofar as the existing to finished grade surfaces are concerned, but there were no additional calculations regarding gravel backfill behind the wall as regards embankment or excavation.
- 2. Would Ameristar Aegis fence be acceptable for Item 17 Railing?

 The City prefers that the fabricated rail be bid since this matches the aesthetic in other locations throughout the City.
- 3. Will there be revisions coming, specifically there is a lot of confusion about Traffic Control?

A Type F Barrier with a Tie-Down Strap is now called for in front of the guardrail and shown on sheet 26 of the plans. Appropriate details have also been added. Per discussions with MoDOT, the updates for the Type F Barriers with a Tie-Down Strap also include minimums for lane width adjacent to the barriers on the Temporary Traffic Control Plan (sheet 30 of the plans) to keep the lanes open.

THIS IS THE END OF ADDENDUM 04 – Attachments:
6 plan sheets
Updated bid form

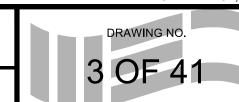
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ambiguities, or conflicts contained within the Plans and Specifications.

CITY OF RIVERSIDE, MO - VIVION RD TRAIL SEGMENT 1 [TAP-3454(401)] RIVERSIDE, PLATTE COUNTY, & KCMO, CLAY COUNTY



CONTROLLING

ELEVATION

- 1' SOD STRIP

- 1' SOD STRIP

- 1' SOD STRIP

POINT

5'-0"

5'-0"

REINFORCED

1.5% DOWNSTREAM

1' SOD STRIP (INCIDENTAL)

- 4" ROCK BASE

TYPICAL SECTION B1 - TEN FOOT WIDTH

SLOPE RIGHT

STA 11+37.66 TO STA 16+59.96

CONCRETE

5'-0"

- 6" FIBER

REINFORCED

1.5% DOWNSTREAM

4" ROCK BASE

(INCIDENTAL)

TYPICAL SECTION C - TEN FOOT WIDTH

SLOPE LEFT (WITHIN 5.0' OF EXISTING ROAD)

STA 18+92.77 TO STA 19+60.80

1.5% DOWNSTREAM

(INCIDENTAL)

TYPICAL SECTION E - TEN FOOT WIDTH

SLOPE LEFT (WITH DRAINAGE CHANNEL)

STA 32+83.80 TO STA 37+19.46

1.5% DOWNSTREAM

L 1' SOD STRIP

4" ROCK BASE

TYPICAL SECTION G - TEN FOOT WIDTH

SLOPE LEFT (WITHIN 5.0' OF EXISTING ROAD)

STA 19+60.80 TO STA 19+92.72

STA 37+19.46 TO STA 38+61.22

STA 20+58.54 TO STA 20+77.1

CONCRETE

5'-0"

- 6" FIBER

— 1' SOD STRIP

5'-0"

- 6" FIBER

REINFORCED

CONCRETE

REINFORCED

CONCRETE

- 6" FIBER

CONTROLLING -

MODOT TYPE -

S CURB

EXISTING

ELEVATION

CONTROLLING -

CONTROLLING : **ELEVATION** POINT

CONTROLLING -

ELEVATION

POINT

MODOT TYPE

S CURB

EXISTING ****

ROADWAY

ELEVATION

POINT

POINT

VAUGHN **EBLEN** NUMBER PE-2002000598. MATTHEW VAUGHN EBLEN PE-2002000598

Item No.

22

28

MOBILIZATION

EXCAVATION EMBANKMENT

STRAW WATTLE

PAVEMENT MARKINGS

12 | SEEDING AND STRAW MAT

14 | 18" RCP CULVERT

12" RCP

SOD (1' ADJACENT TO TRAIL)

15 | 18" RCP FLARED END SECTION

6" CURB (MODOT TYPE S)

6" CURB (KC-APWA CG-1)

UTILITY ADJUSTMENTS

STOP SIGN, R1-1

STOP BAR (TRAIL)

CROSS WALK STRIPING

TEMP SIGN TRAIL CLOSED

TEMP SIGN SIDEWALK CLOSED

TEMPORARY TRAFFIC CONTROL

MOW STRIP

40 BIKES SIGN

QUANTITY NOTES:

ALTERNATE

TEMPORARY SHORING

CONTRACTOR FURNISHED SURVEYING

CLEARING, GRUBBING, AND DEMOLITION

TYPE 2 ROCK DITCH LINER, 1' DEPTH

DOUBLE GRATE INLET (GI-1), 4' DEPTH

NO MOTOR ACCESS SIGN, R5-3

TEMP SIGN TRAIL CLOSED 200' AHEAD

TEMP ORANGE VINYL CONSTRUCTION FENCING

ASPHALT MILL & OVERLAY (KC-APWA TYPE 5-01)

PRESSURE TRANSDUCER TRANSMITTER BOX RELOCATION

STORM PIPE ABANDONMENT IN PLACE (17 LF)

6" CONCRETE TRAIL (KCMMB-4K) & 4" BASE ROCK (MODOT TYPE 1)

RAILING (AGAINST RETAINING WALL AND ALONG MOW STRIP)

8" CONCRETE PAVEMENT (KCMMB-4K) & 6 " BASE ROCK (MODOT TYPE 1)

18 FORMLINER (916 FACE FEET, INCLUDES STAIN/COLOR & GRAFFITI PROTECTION

RETAINING WALL ADJUSTMENT (NICH ASSOCIATES LLC PROPERTY)

ADJUST LANDSCAPE & PROTECT MONUMENT SIGN (SIX ZERO INC PROPERTY)

1: EMBANKMENT QUANTITIES HAVE REMOVED PAVEMENT THICKNESS FROM SURFACE TO SURFACE CAD NUMBERS.

TEMPORARY TRAFFIC BARRIER WITH TIE-DOWN STRAP

RETAINING WALL (INCLUDES BACKFILL, GEOTEXTILE & COMPACTION ABOVE BACKFILL

CONSTRUCTION ENTRANCE

Item

SILT FENCE LINE BEGIN STA. END STA. L.F. DESCRIPTION SHEET# 637 N EDGE OF TRAIL ALONG ST. JOE AVE. LINE B 11+20 16+81 | 556 | BEHIND CURB ALONG ST. JOE AVE. LINE 172 NORTH OF TRAIL ALONG VIVION LINE D 17+09 305 | SOUTH OF TRAIL ALONG VIVION LINEE 20+45 |685 | NORTH OF TRAIL ALONG VIVION LINEF 26+53 | 621 | SOUTH OF TRAIL ALONG VIVION 20+75 LINE G 26+78 SOUTH OF TRAIL ALONG VIVION LINE H 28+00 |NORTH OF TRAIL ALONG VIVION LINE 27+94 SOUTH OF TRAIL ALONG VIVION LINEJ 28+57 SOUTH OF TRAIL ALONG VIVION LINE K SOUTH OF TRAIL ALONG VIVION 1260 LINE L 32+85 NORTH OF TRAIL ALONG VIVION LINE M 32+68 SOUTH OF TRAIL ALONG VIVION LINEN 38+73 538 SOUTH OF TRAIL ALONG VIVION 33+36 LINKE O NORTH OF TRAIL ALONG VIVION LINE P 42+77 373 SOUTH OF TRAIL ALONG VIVION 9-10 39+03 LINE Q 315 NORTH OF TRAIL ALONG VIVION LINE R 42+97 SOUTH OF TRAIL ALONG VIVION 43+16 LINE S 43+46 NORTH OF TRAIL ALONG VIVION LINET 43+51 SOUTH OF TRAIL ALONG VIVION 43+46 LINE U 43+51 NORTH OF TRAIL ALONG VIVION 43+46

EROSION CONTROL -- WATTLE TABLE

Unit

LS

1| LS

120 SY

1.71 ACRES

516 CY

1236 CY

5476 LF

256 LF

3315 SY

352 SY

324 SF

0.79 ACRES

903 SY

44 LF

118 CY

325 LF

1442 SF

331 LF

257 LF

20 EACH

68 LF

1 EACH

1 LS

1| LS

1 LS

8 EACH

1 EACH

8 EACH

1 EACH

1 EACH

4 EACH

72 LF

1 LS

1 LS

62 TONS

8 EACH

2395 SF

90 LF

270 LF

225 LF

2 EACH

Quantity

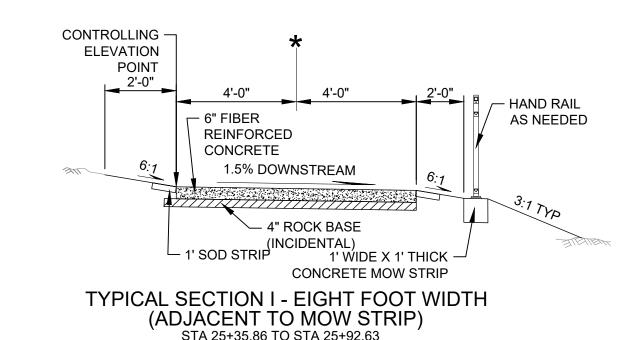
CONTROLLING -**ELEVATION POINT** 4'-0" 4'-0" HAND RAIL - 6" FIBER AS NEEDED REINFORCED CONCRETE 1.5% DOWNSTREAM ─ 4" ROCK BASE - 1' SOD STRIP PROPOSED **RETAINING WALL** (HEIGHT VARIES) TYPICAL SECTION H - EIGHT FOOT WIDTH (ADJACENT TO PROPOSED WALL) STA 25+92.63 TO STA 26+43.17

CONTROLLING ELEVATION POINT:

THIS POINT IS THE MOST CRITICAL

ELEVATION POINT TO ENSURE THE

TRAIL IS CONSTRUCTED CORRECTLY.



CONTROLLING -

CONTROLLING -

CONTROLLING -

CONTROLLING -

ELEVATION

POINT

ELEVATION

POINT

ELEVATION

POINT

ELEVATION

POINT

5'-0"

REINFORCED

1.5% DOWNSTREAM

- 4" ROCK BASE

(INCIDENTAL)

TYPICAL SECTION A - TEN FOOT WIDTH

SLOPE LEFT

5'-0"

STA 32+78.98 TO STA 32+83.80

CONCRETE

- 6" FIBER

L 1' SOD STRIP

5'-0"

REINFORCED

1.5% DOWNSTREAM

4" ROCK BASE

(INCIDENTAL)

TYPICAL SECTION B2 - TEN FOOT WIDTH

SLOPE RIGHT

STA 20+77.17 TO STA 25+35.86

STA 27+94.87 TO STA 28+22.13

STA 30+41.77 TO STA 32+20.68

STA 39+14.27 TO STA 42+69.39

4'-0"

CONCRETE

4'-0"

REINFORCED

1.5% DOWNSTREAM

TYPICAL SECTION D - EIGHT FOOT WIDTH

(ADJACENT TO PROPOSED WALL)

STA 28+09.15 TO STA 30+09.39

(INCIDENTAL)

- 4" ROCK BASE

CONCRETE

5'-0"

REINFORCED

1.5% DOWNSTREAM

(INCIDENTAL)
1' SOD STRIP

TYPICAL SECTION F - TEN FOOT WIDTH

(ADJACENT TO PROPOSED WALL)

STA 30+09.39 TO STA 30+41.77

- 4" ROCK BASE

CONCRETE

- 6" FIBER

- 6" FIBER

- 6" FIBER

5'-0"

· 1' SOD STRIP

- 1' SOD STRIP

— HAND RAIL

AS NEEDED

- PROPOSED

— HAND RAIL

AS NEEDED

PROPOSED

RETAINING WALL

(HEIGHT VARIES)

RETAINING WALL

STA 17+24.63 TO STA 18+92.77 STA 42+96.19 TO STA 43+16.55

STA 25+35.86 TO STA 25+92.63 STA 26+43.17 TO STA 27+01.34

2'-0" 5'-0" - 6" FIBER REINFORCED CONCRETE 1.5% DOWNSTREAM - 4" ROCK BASE (INCIDENTAL)

TYPICAL SECTION J - TEN FOOT WIDTH

STA 27+01.34 TO STA 27+37.14

* STATIONING NOTE: STATIONS SHOWN HEREON ARE CENTER OF TRAIL. TYPICAL SECTIONS SHOWN LOOKING UP-TRAIL FROM LOWER STATIONS TO HIGHER STATIONS

MISSOURI CERTIFICATE OF AUTHORITY NO. E-2006023253 EXPIRES: DECEMBER 31, 2024

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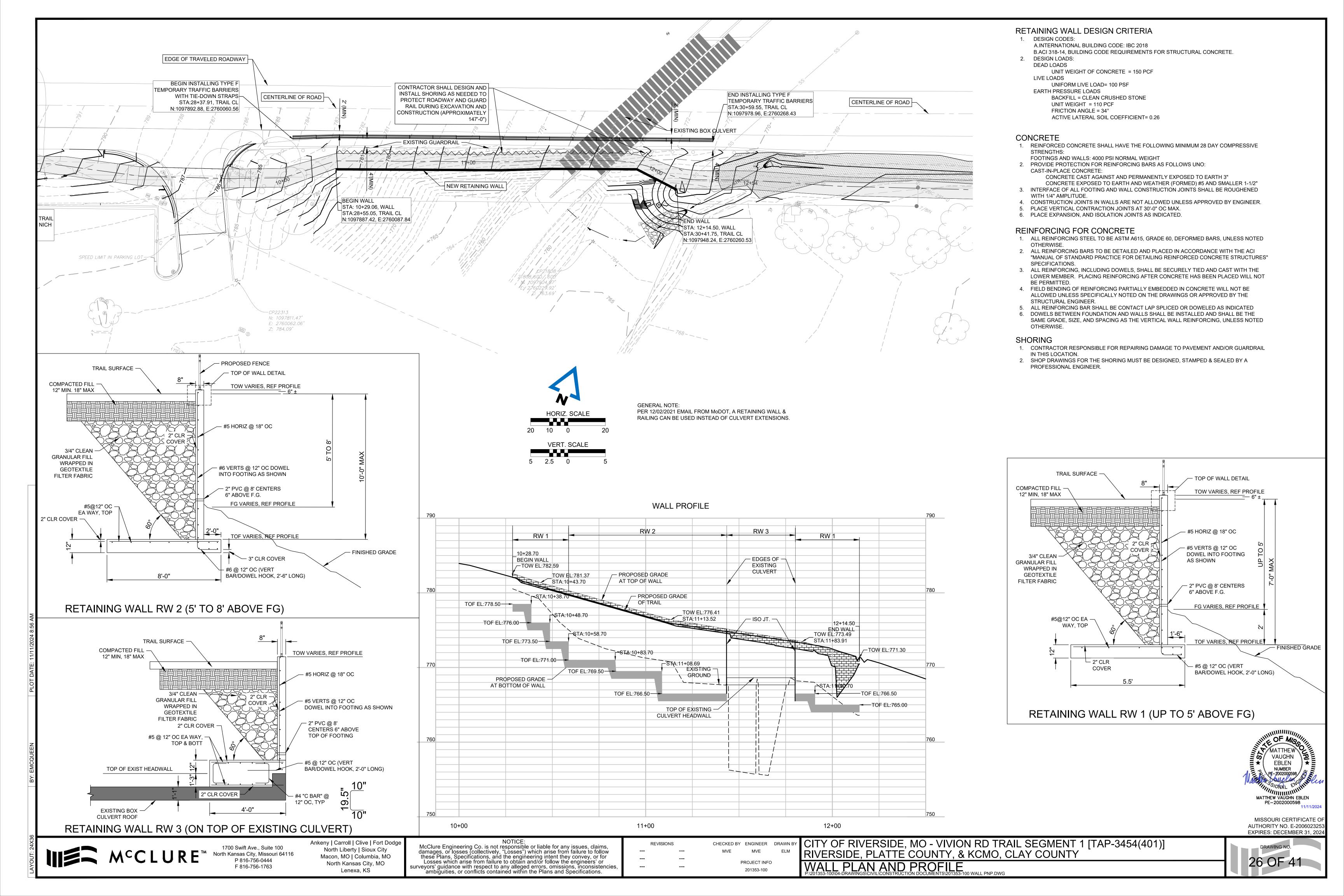
surveyors' guidance with respect to any alleged errors, omissions, inconsistencies

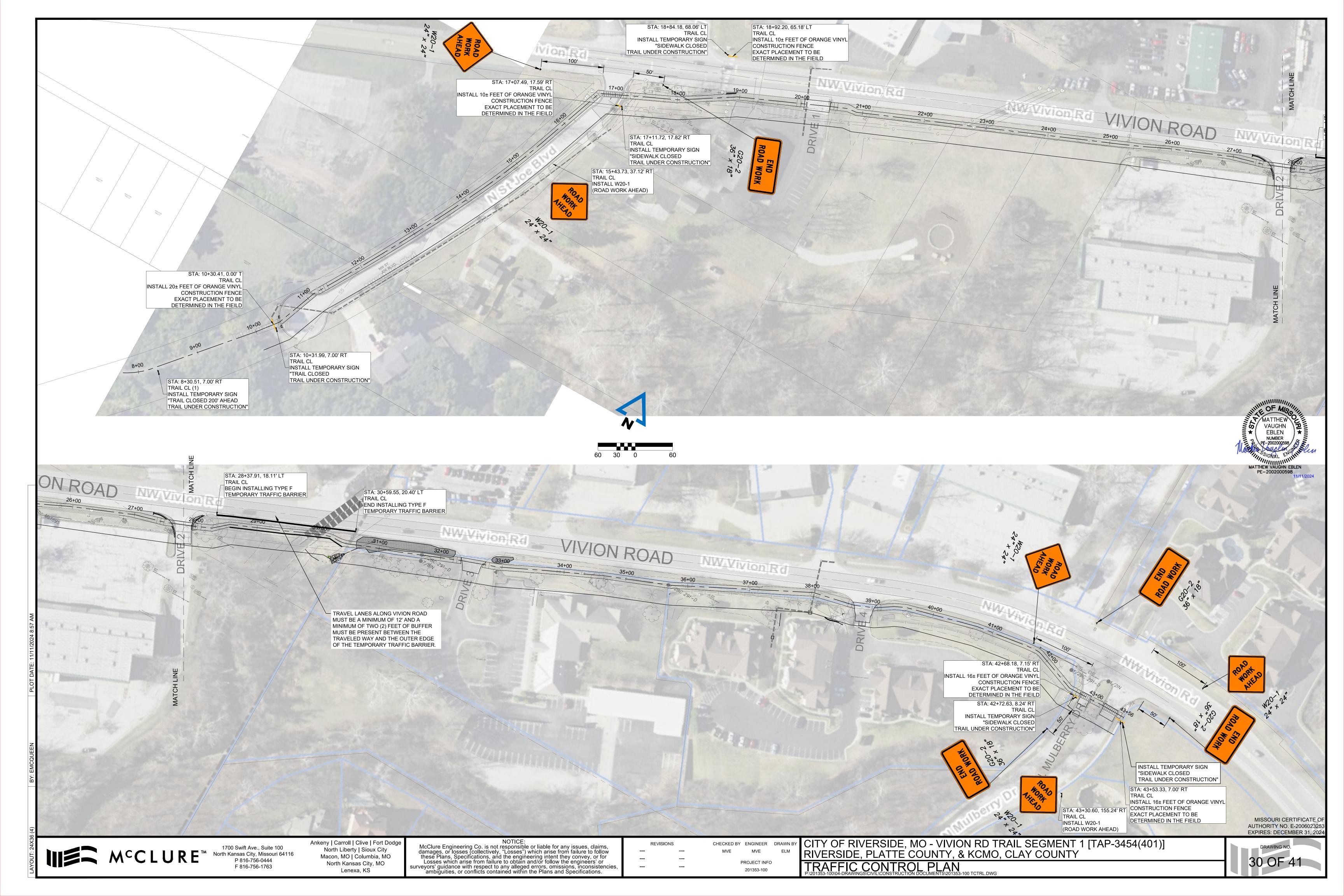
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TYPICAL SECTIONS

TYPICAL SECTION DOCUMENTS\201353-100 COVER.DWG





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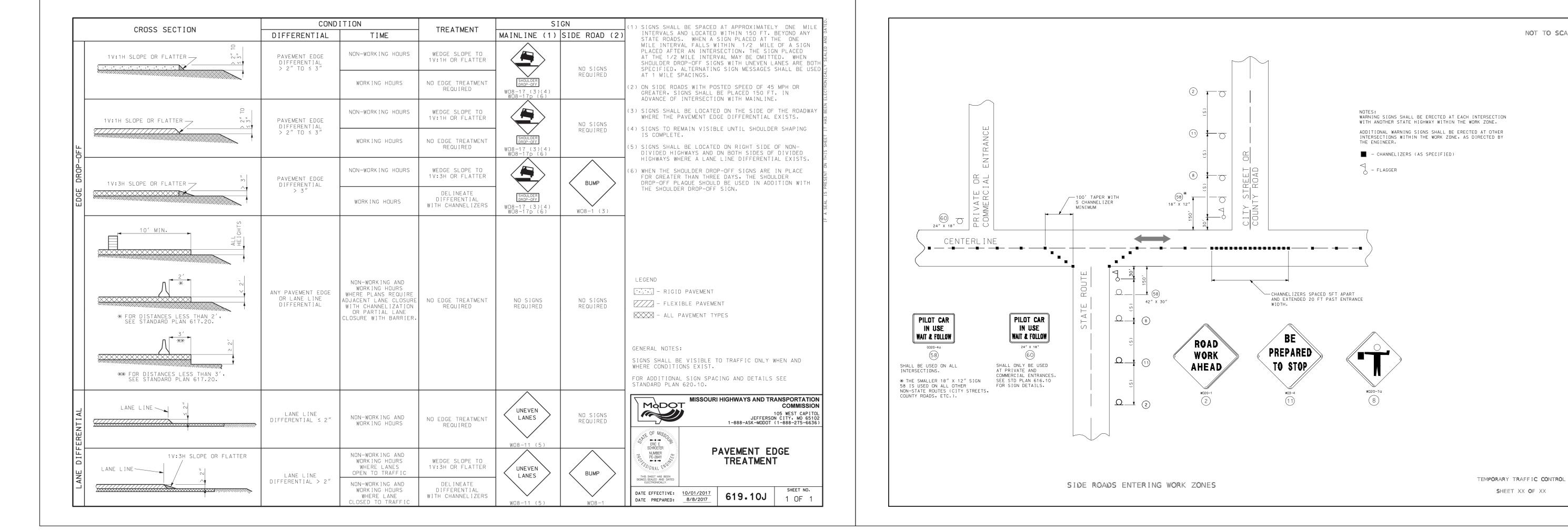
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CITY OF RIVERSIDE, MO - VIVION RD TRAIL SEGMENT 1 [TAP-3454(401)] RIVERSIDE, PLATTE COUNTY, & KCMO, CLAY COUNTY TRAFFIC CONTROL PLAN DETAILS







NOT TO SCALE

5/6/2024

DISTRICT SHEET NO.

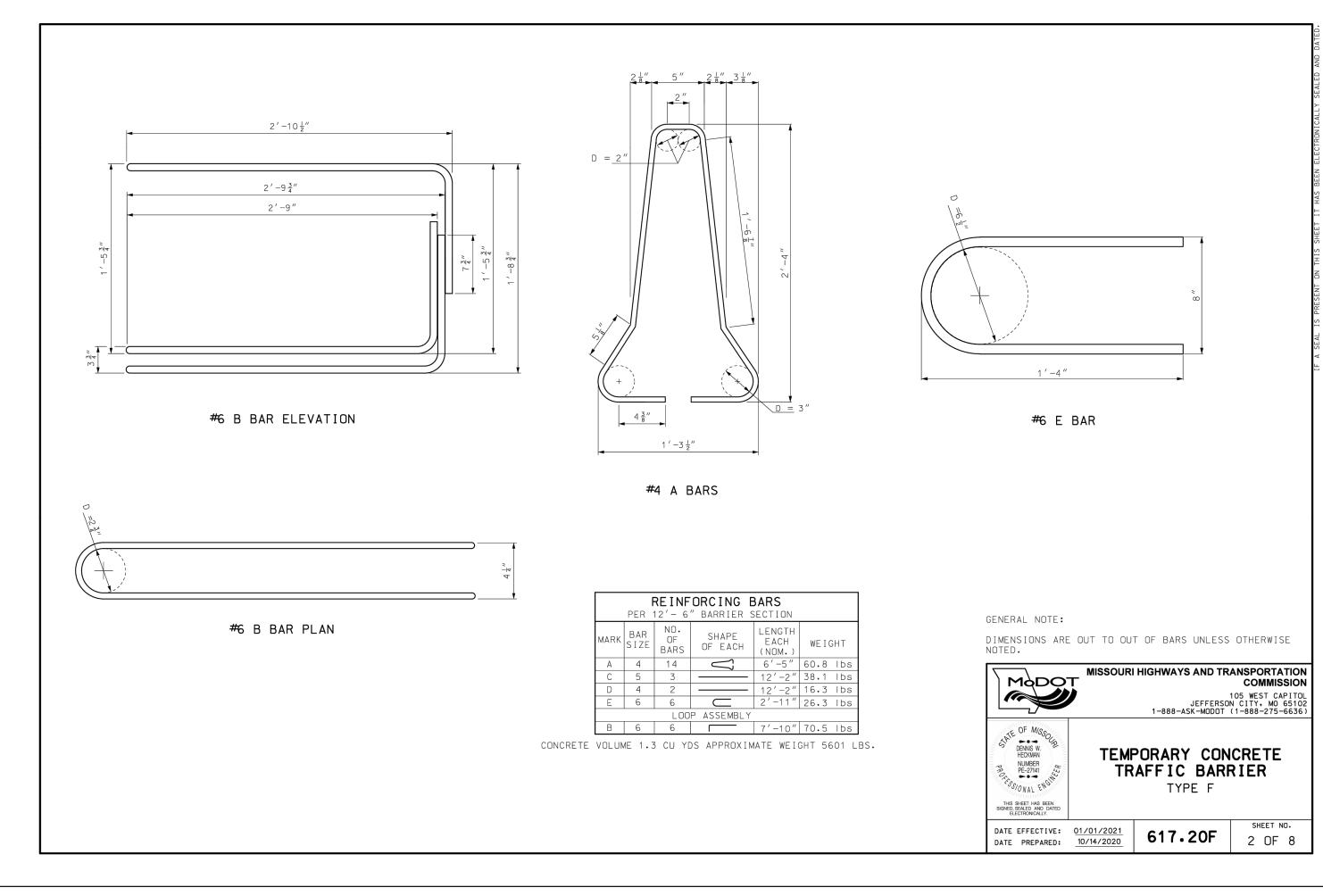
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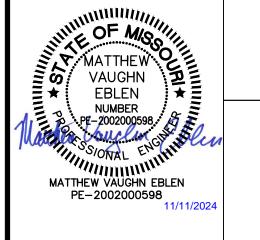
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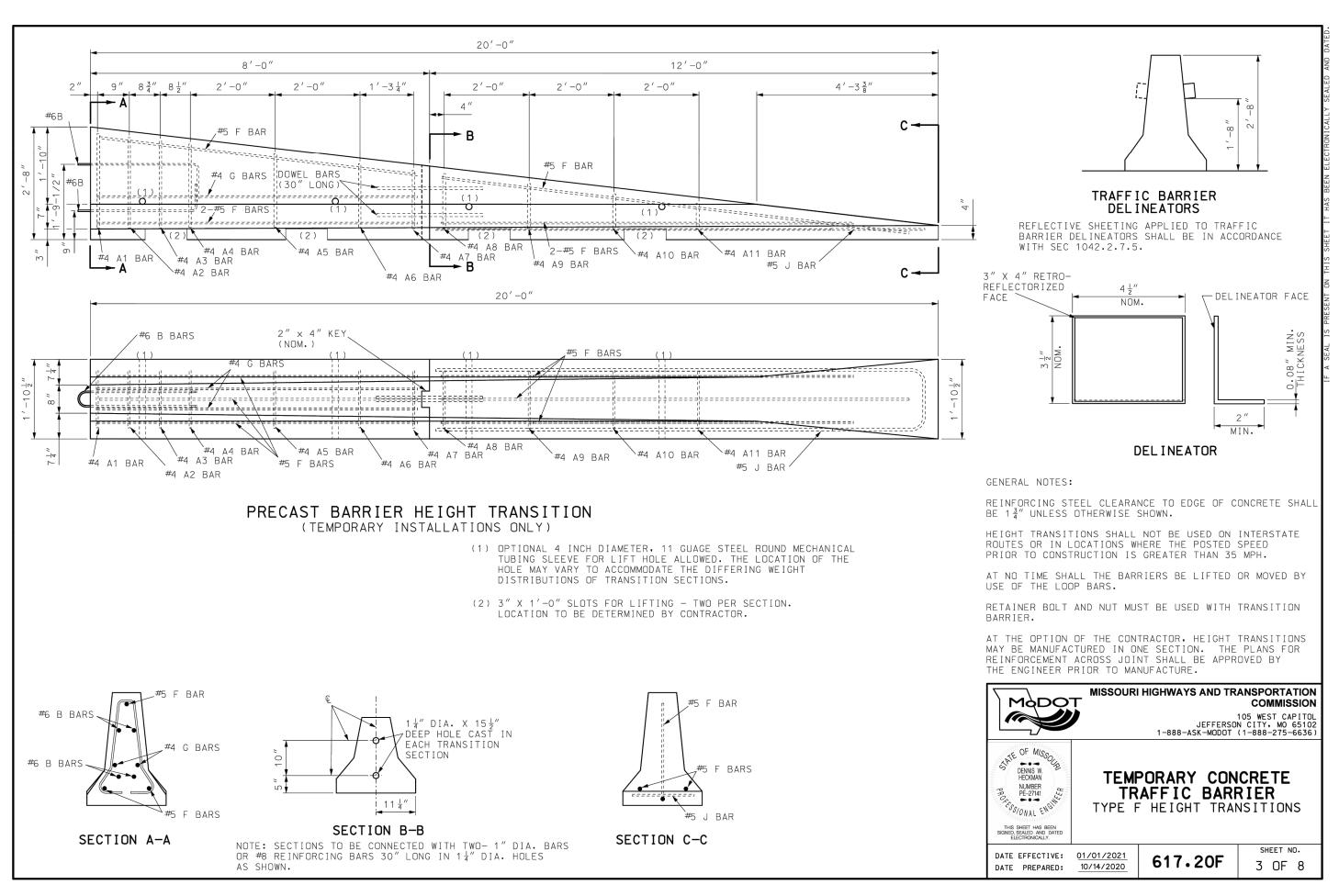
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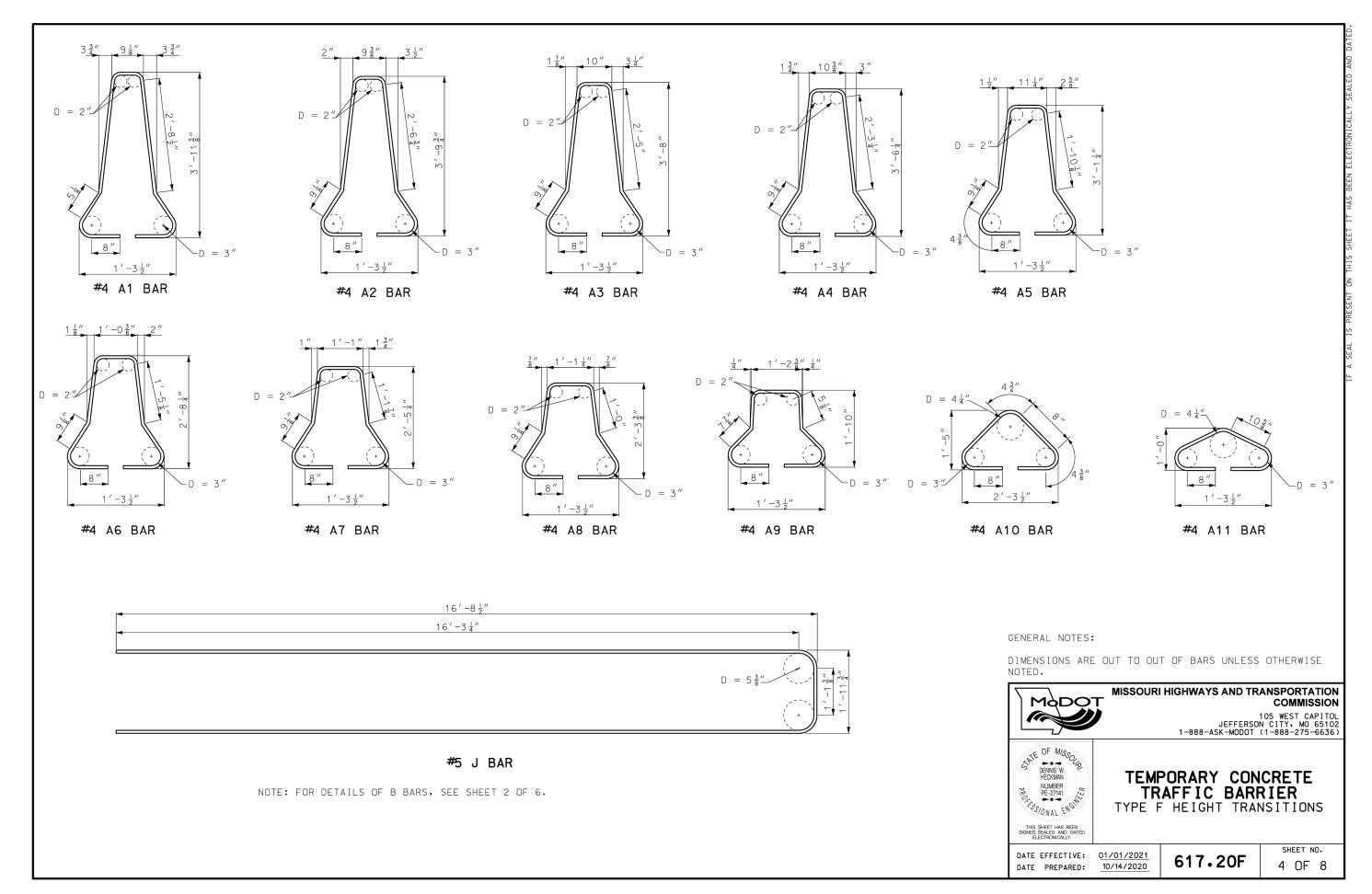
BRIDGE NO.

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CITY OF RIVERSIDE, MO - VIVION RD TRAIL SEGMENT 1 [TAP-3454(401)] RIVERSIDE, PLATTE COUNTY, & KCMO, CLAY COUNTY TRAFFIC CONTROL PLAN DETAILS



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TYPE F BARRIER SHALL BE INSTALLED

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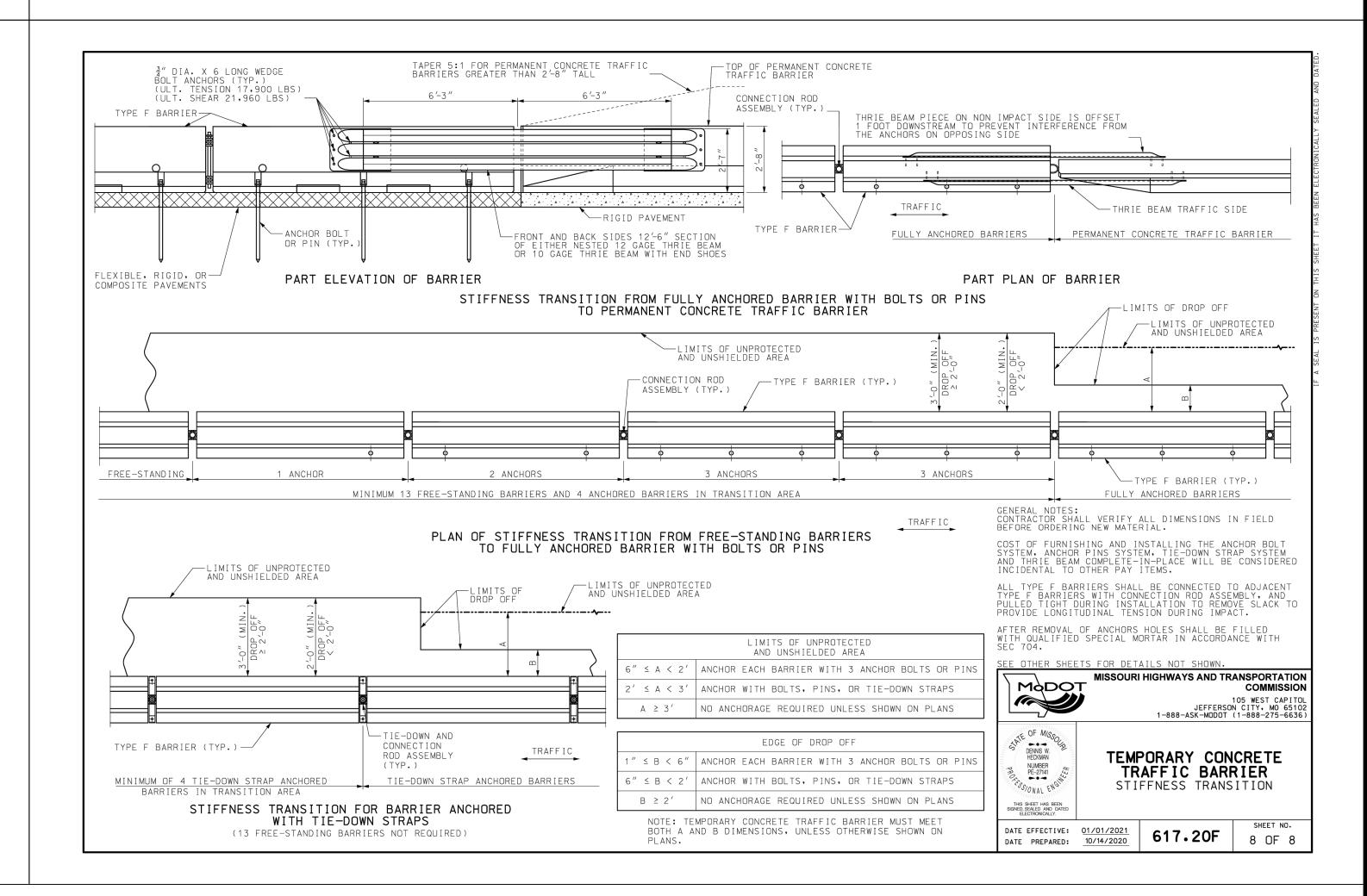
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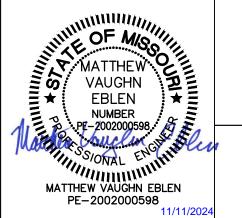
CITY OF RIVERSIDE, MO - VIVION RD TRAIL SEGMENT 1 [TAP-3454(401)] RIVERSIDE, PLATTE COUNTY, & KCMO, CLAY COUNTY TRAFFIC CONTROL PLAN DETAILS

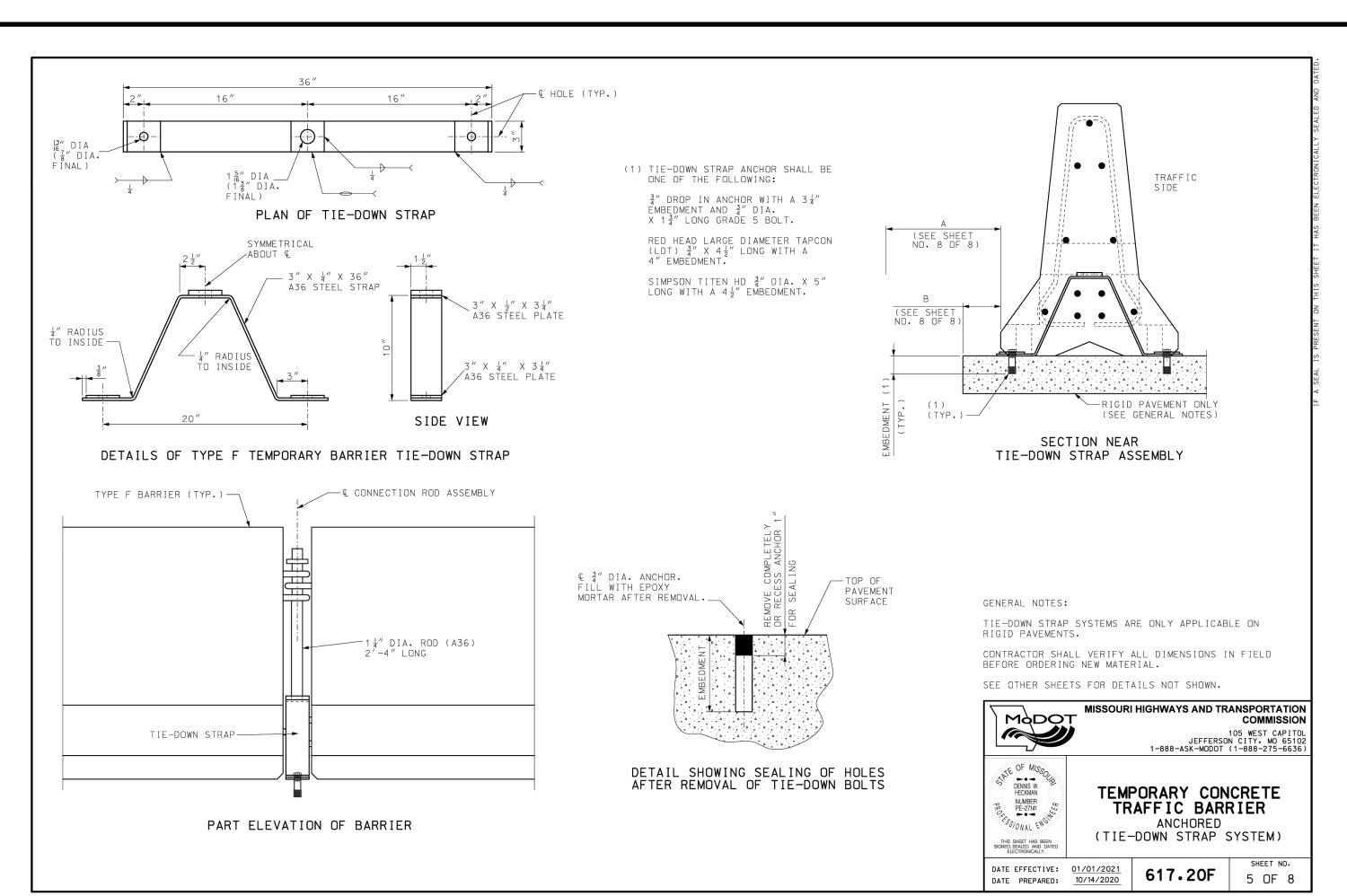
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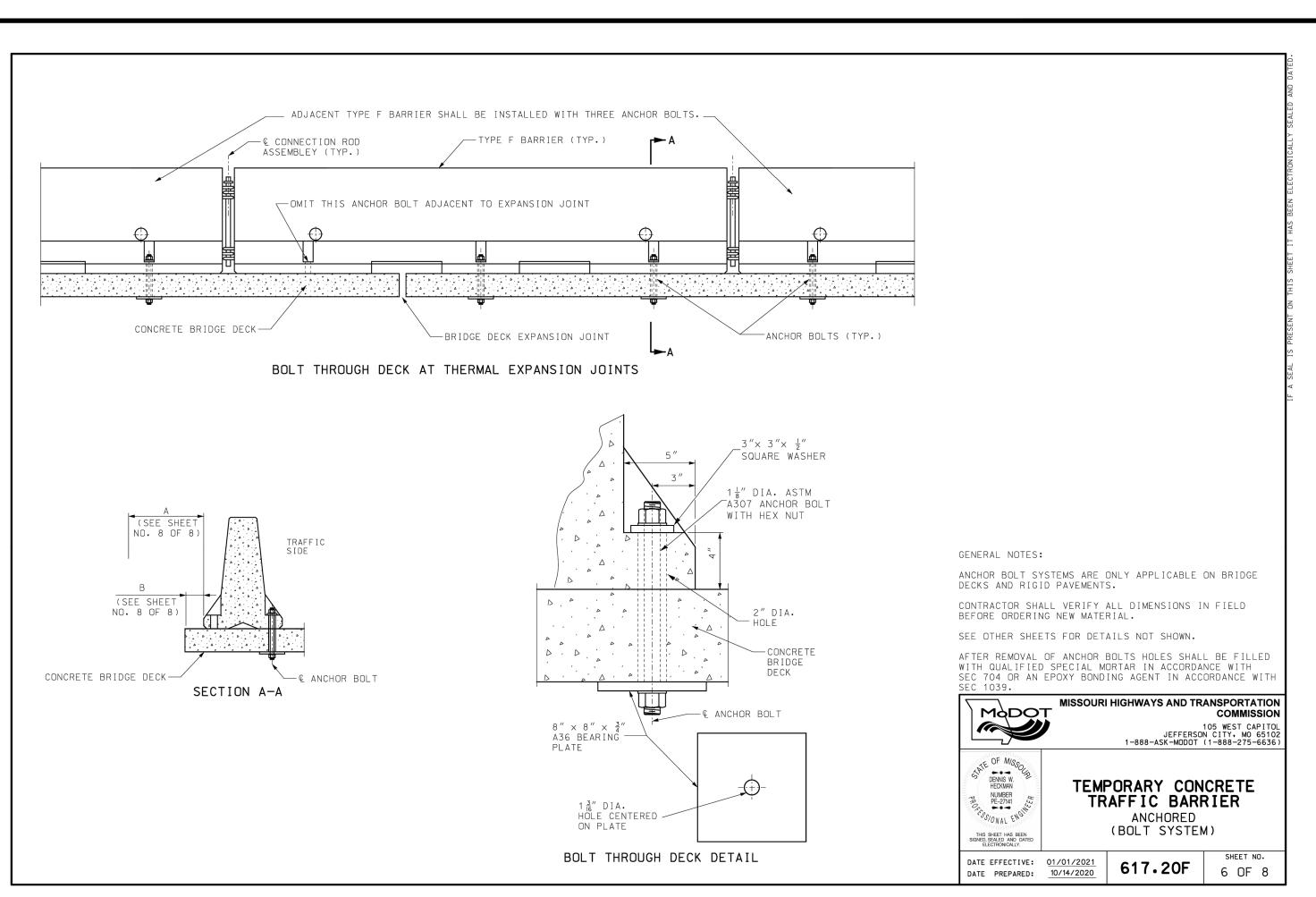
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WITH THREE DRIVEN ANCHOR PINS (TYP.), EXCEPT IN STIFFNESS TRANSITION AREA. — € CONNECTION ROD ASSEMBLEY (TYP.) A ▼1 -FLEXIBLE, RIGID, OR COMPOSITE PAVEMENTS -ANCHOR PIN (TYP.) ELEVATION OF BARRIER WITH ANCHOR PINS A36 PLATE A36 PLATE 3 X 3 X ½" — 3 X 3 X ½"-TRAFFIC SIDE GENERAL NOTES: CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD (SEE SHEET NO. 8 OF 8) BEFORE ORDERING NEW MATERIAL. FLEXIBLE, RIGID, OR COMPOSITE PAVEMENTS — WHERE EXISTING FLEXIBLE PAVEMENT OR RIGID PAVEMENT IS NOT PRESENT A 2" THICK X 30" WIDE MINIMUM ASPHALT PAD SHALL BE CONSTRUCTED. - DFTAIL A (SEE SHEET NO. 8 OF 8) COST OF FURNISHING AND INSTALLING THE ASPHALT PAD COMPLETE-IN-PLACE WILL BE CONSIDERED INCIDENTAL TO 1 ½" DIA. SEE OTHER SHEETS FOR DETAILS NOT SHOWN. AFTER REMOVAL OF ANCHOR PINS HOLES SHALL BE FILLED WITH QUALIFIED SPECIAL MORTAR IN ACCORDANCE WITH SEC 704. DROP OFF EMBANKMENT OR NATIVE SOIL MISSOURI HIGHWAYS AND TRANSPORTATION MODOT COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636) DENNIS W. HECKMAN NUMBER PE-27141 SECTION A-A TEMPORARY CONCRETE (OPTIONAL) TRAFFIC BARRIER DRIVEN ANCHOR PIN (A36) ANCHORED (PIN SYSTEM) DATE EFFECTIVE: 01/01/2021 617.20F 7 OF 8 DATE PREPARED: 10/14/2020









BID FORM

BID FOR UNIT PRICE CONTRACTS (Pricing)

CONTRACTOR:	

NO.	BID ITEM	UNIT	QTY	TOTAL COST
1	MOBILIZATION	LS	1	
2	CONTRACTOR FURNISHED SURVEYING		1	
3	CONSTRUCTION ENTRANCE		120	
4	CLEARING, GRUBBING, AND DEMOLITION		1.71	
5	EXCAVATION		516	
6	EMBANKMENT		1236	
7	STRAW WATTLE		5476	
8	PAVEMENT MARKINGS		256	
9	6" CONCRETE TRAIL - KCMMB-4K & 4" BASE ROCK (MODOT TYPE 1)	SY	3315	
10	8" CONCRETE PAVEMENT & 6" BASE ROCK (MODOT TYPE 1)	SY	352	
11	TYPE 2 ROCK DITCH LINER, 1' DEPTH	SF	324	
12	SEEDING AND STRAW MAT	ACRES	0.79	
13	SOD (1' ADJACENT TO TRAIL)	SY	903	
14	18" RCP CULVERT	LF	44	
15	18" RCP FLARED END SECTION	EACH	2	
16	RETAINING WALL (INCLUDES BACKFILL,	CY	118	
	GEOTEXTILE & COMPACTION ABOVE BACKFILL)			
17	RAILING (AGAINST RETAINING WALL)	LF	325	
18	FORMLINER (916 FACE FEET, INCLUDES STAIN/COLOR & GRAFFITI PROTECTION)	SF	1442	
19	6" CURB (MODOT TYPE S)	LF	331	
20	6" CURB (CG-1)	LF	257	
21	UTILITY ADJUSTMENTS	EACH	20	
22	12" RCP	LF	68	
23	DOUBLE GRATE INLET (GI-1), 4' DEPTH	EACH	1	
24	STORM PIPE ABANDONMENT IN PLACE (17 LF)	LS	1	
25	RETAINING WALL ADJUSTMENT (NICH	LS	1	
	ASSOCIATES LLC PROPERTY)			
26	TEMPORARY TRAFFIC BARRIER WITH TIE-DOWN STRAP	LF	225	

Federal Job # TAP-3454(401)

27	ADJUST LANDSCAPE & PROTECT MONUMENT	LS	1		
	SIGN (SIX ZERO INC PROPERTY)				
28	STOP SIGN, R1-1		8		
29	NO MOTOR ACCESS SIGN, R5-3		1		
30	MOW STRIP		90		
31	STOP BAR (TRAIL)		8		
32	CROSS WALK STRIPING		270		
33	TEMP SIGN TRAIL CLOSED 200' AHEAD		1		
34	4 TEMP SIGN TRAIL CLOSED		1		
35	TEMP SIGN SIDEWALK CLOSED		4		
36	TEMP ORANGE VINYL CONSTRUCTION FENCING	LF	72		
37	PRESSURE TRANSDUCER TRANSMITTER BOX	LS	1	\$3,000	
	RELOCATION				
38	TEMPORARY TRAFFIC CONTROL	LS	1		
39	ASPHALT MILL & OVERLAY (KC-APWA TYPE 5-01)	TONS	62		
40	BIKES SIGN	EACH	8		
	ALTERNATE				
1	TEMPORARY SHORING)	SF	2395		
	Total Bid				