

LEGEND		
EXISTING		PROPOSED
— R/W —	RIGHT-OF-WAY	N/A
— W —	WATER MAIN	N/A
— FM —	FORCE MAIN	N/A
— SAN —	SAN. SEWER	N/A
— STORM —	STORM SEWER	N/A
— GAS —	GAS LINE	N/A
— TEL —	TEL / COMM	N/A
— FO —	F/O CABLE	N/A
— TV —	CATV CABLE	N/A
— OHE —	OVER HEAD WIRE	N/A
⊗	VALVE	N/A
⊙	HYDRANT	N/A
●	MANHOLE	N/A
■	CURB INLET	N/A
○	STREET LIGHT	N/A

**ABBREVIATIONS:**

DND	-	DO NOT DISTURB
DNE	-	DOES NOT EXIST
EL	-	ELEVATION
EX	-	EXISTING
JSP	-	JOB SPECIAL PROVISION
REL	-	RELOCATE
RELBO	-	RELOCATE BY OTHERS
R/W	-	RIGHT OF WAY
STD	-	STANDARD
TBR	-	TO BE REMOVED
TBR&R	-	TO BE REMOVED AND REPLACED
TBA	-	TO BE ABANDONED
TYP	-	TYPICAL
UIP	-	USE IN PLACE

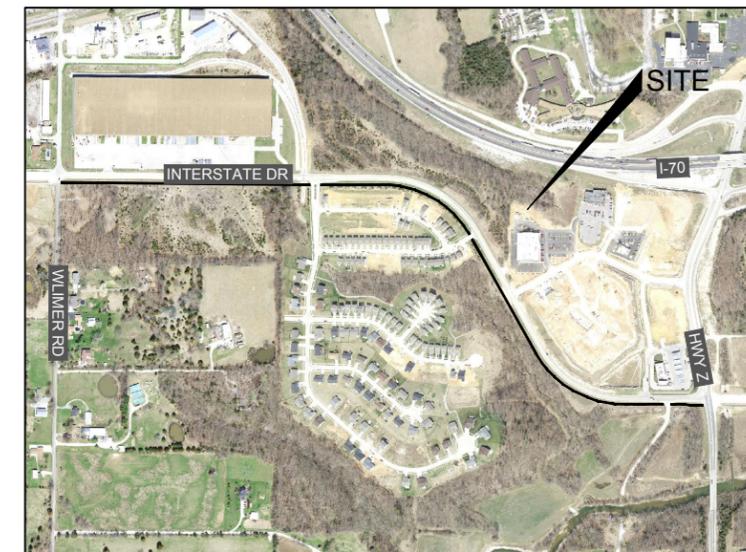
**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 - 3	SUMMARY OF QUANTITIES
4	TYPICAL SECTION
5 - 9	DEMOLITION PLAN
10 - 18	PLAN AND PROFILE
19 - 20	CONSTRUCTION DETAILS
21	TRAFFIC CONTROL DETAILS
22	COORDINATE POINTS
T1 - T2	TRAFFIC SIGNAL MODIFICATION PLAN (BY CBB)

# INTERSTATE DRIVE MULTI-USE TRAIL CITY OF WENTZVILLE

FEDERAL PROJECT NO.: TAP-7304(608)

## for City of Wentzville, Missouri Public Works Department



**LOCATION MAP**  
NOT TO SCALE

LOCAL AGENCY: WENTZVILLE, MISSOURI

SIGNATURE	
GREGORY WALLACE	SENIOR CIVIL ENGINEER
PRINTED NAME	TITLE

**UTILITY CONTACTS**

**TELEPHONE**  
CENTURYTEL  
(636) 332-7329

**ELECTRIC**  
AMEREN UE  
(636) 639-8310  
CUIVRE RIVER ELECTRIC COOPERATIVE  
(636) 327-5282

**NATURAL GAS**  
AMEREN UE  
(636) 639-8305

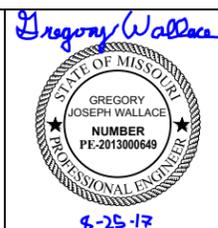
**WATER**  
CITY OF WENTZVILLE  
(636) 327-5102

**SEWER**  
CITY OF WENTZVILLE  
(636) 327-5102

NO.	DATE	BY	REVISION

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CITY OF WENTZVILLE  
PUBLIC WORKS DEPARTMENT  
200 E. FOURTH STREET  
WENTZVILLE, MISSOURI 63385  
PHONE (636) 639-2049  
FAX (636) 639-2057

DESIGNED BY:	GJW	SCALE:	NONE
DRAWN BY:	BCM	DATE:	08/25/17
CHECKED BY:	DAD	WNTZ PROJECT NO.:	2016-006
APPROVED BY:	GJW		

INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER	1
COVER SHEET		TOTAL SHEETS	24

REMOVAL OF IMPROVEMENTS – 1 LUMP SUM				
SHEET	FROM STA	TO STA	DESCRIPTION	QUANTITY
5	0+00		CURB REMOVAL	11.2 LF
5	0+00		SAW CUT (ANY DEPTH / MATERIAL)	11.2 LF
6	11+99.70	14+82.69	CONCRETE PAVEMENT REMOVAL	125.2 SY
6	14+82.69	14+93.24	ASPHALT REMOVAL	4.6 SY
6	14+93.24	15+33.77	CONCRETE PAVEMENT REMOVAL	41.0 SY
6	15+33.77		CURB REMOVAL	27.0 LF
6	15+33.77		SAW CUT (ANY DEPTH / MATERIAL)	27.0 LF
6-7	15+33.77	25+59.38	CONCRETE PAVEMENT REMOVAL	477.3 SY
7	25+59.38		CURB REMOVAL	23.7 LF
7	25+59.38		SAW CUT (ANY DEPTH / MATERIAL)	23.7 LF
7	25+59.38	29+25.07	CONCRETE PAVEMENT REMOVAL	158.0 SY
9	44+65.25		CURB REMOVAL	27.5 LF
9	44+65.25		SAW CUT (ANY DEPTH / MATERIAL)	27.5 LF
9	44+65.25		STOP BAR STRIPING	32.0 LF
9	44+65.25		LANE STRIPING	8.0 LF
9	44+65.25		PAVEMENT ARROW	1 EA

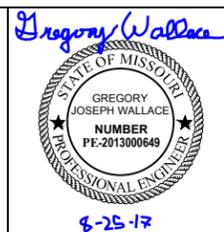
SUMMARY OF QUANTITIES				
SPEC	ITEM NO	DESCRIPTION	UNIT	QUANTITY
ROADWAY ITEMS				
JSP	109-99.01	RECORD DRAWINGS	LS	1
MoDOT	201-30.00	CLEARING AND GRUBBING	AC	1.8
JSP / MoDOT	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1
JSP / MoDOT	207-20.00	LINEAR GRADING	STA	45
MoDOT	304-05.04	TYPE 5 AGGREGATE BASE (4" THICK)	SY	4989.9
JSP	607-99.03	POWDER COATED ALUMINUM HAND RAIL	LF	35
MoDOT	608-10.10	CONCRETE CURB RAMP (8" THICK)	SY	95.7
MoDOT	608-10.12	TRUNCATED DOMES (MATS)	SF	239.4
MoDOT	608-60.04	CONCRETE SIDEWALK (4" THICK)	SY	4894.2
MoDOT	617-99.01	TRAFFIC CONTROL	LS	1
MoDOT	618-10.00	MOBILIZATION	LS	1
MoDOT	627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1
JSP	902-99.02	REMOVABLE BOLLARD	EA	9
MoDOT / JSP	903-12.50	U-CHANNEL POST	LF	150
JSP	903-99.04	PERMANENT SIGN	SF	31.2
JSP		RAILROAD GRADE CROSSING	LS	1
STRIPING ITEMS				
JSP	620.-00.51	TYPE 2 PREFORMED MARKING (PAINT), COMBINATION STR/RT ARROW	EA	1
MoDOT	620-60.01B	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4" YELLOW	LF	369
MoDOT	620-61.15	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, CROSSBUCK SYMBOL	EA	1
MoDOT	620-61.12	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6", WHITE	LF	457
MoDOT	620-61.24	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24", WHITE	LF	31
ROADSIDE ITEMS				
JSP	805-99.03	HYDROSEEDING	AC	1.5
MoDOT	806-99.03	FILTER SOCK	LF	554
SIGNAL AND LIGHTING ITEMS				
MoDOT	902-08.11	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	2
MoDOT	902-49.20	DETECTOR, PUSHBUTTON (W/APS)	EA	2
MoDOT	902-53.00	CONDUIT, 3", IN TRENCH	LF	57
MoDOT	902-83.10	CABLE, 16AWG 5 CONDUCTOR	LF	490
MoDOT	902-91.00	BASE, CONCRETE	CY	0.2
MoDOT	902-99.01	SIGNAL CABINET MODIFICATIONS	LS	1
MoDOT	902-99.02A	DRILL PULLBOX (1 OPENING)	EA	1
MoDOT	902-99.02B	PUSHBUTTON POST (62 INCH)	EA	1
MoDOT	902-99.02C	APS PUSHBUTTON CABLES	LF	510
MoDOT	903-50.04A	SH-FLAT SHEET	SF	1.88
MoDOT	903-50.73	SIGNAL SIGN, HARDWARE	EA	2
ADD ALTERNATE A – INCREASED SIDEWALK THICKNESS				
MoDOT	608-60.04B	CONCRETE SIDEWALK (+1" THICK)	SY	4894.2

NO.	DATE	BY	REVISION

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**CITY OF WENTZVILLE**

PUBLIC WORKS DEPARTMENT  
200 E. FOURTH STREET  
WENTZVILLE, MISSOURI 63385

PHONE (636) 639-2049  
FAX (636) 639-2057

DESIGNED BY: GJW  
DRAWN BY: PJM  
CHECKED BY: DAD  
APPROVED BY: GJW

SCALE: NONE  
DATE: 08/25/17  
WNTZ PROJECT NO.: 2016-006

INTERSTATE DRIVE  
MULTI-USE TRAIL

QUANTITIES

SHEET NUMBER: 2  
TOTAL SHEETS: 24

PAVEMENT MARKING							
SHEET	FROM STA	TO STA	ACRYLIC WATERBORNE PAVEMENT MARKING PLAIN, CROSSBUCK (EA)	6" WHITE ACRYLIC WATERBORNE PAVEMENT MARKING, PAINT (LF)	4" YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING, PAINT (LF)	TYPE 2 PREFORMED MARKING (PAINT), RIGHT/THROUGH ARROW (EA)	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24", WHITE (LF)
10	0+00.00	0+00.00		114			
10	0+10.03	0+30.03			41		
12	14+25.56		1				
12	15+05.30	15+25.30			41		
12	15+33.77			118			
12	15+48.60	15+68.60			41		
14	25+31.40	25+51.40			41		
14	25+59.38			56			
14	25+67.13	25+87.13			41		
18	42+23.89	42+40.89			41		
18	42+70.02	42+90.02			41		
18	44+35.18	44+55.18			41		
18	44+65.25			169			
18	44+65.25						31
18	44+65.25					1	
18	44+81.00	45+01.00			41		
		TOTALS	1	457	369	1	31

TEMPORARY EROSION CONTROL				
SHEET	FROM STA	TO STA	ROADWAY	FILTER SOCK (LF)
12	12+00.27	14+65.76	6.02 RT	267
18	41+55.51	42+55.00	16.00 RT	100
18	42+59.74	44+63.58	17.46 RT	204
		TOTALS		471

SIDEWALK & CURB RAMPS						
SHEET	FROM STA	TO STA	4" THICK, TYPE 5 AGGREGATE BASE (SY)	CONCRETE SIDEWALK, 4" THICK (SY)	CONCRETE CURB RAMP, 7" THICK (SY)	TRUNCATED DOME FOR CURB RAMPS (SF)
10	0+00.00	0+10.02	8.7		8.7	22.6
10-12	0+10.03	14+77.32	1630.3	1630.3		
12	14+75.32	14.77.32				20.0
12	14+92.32	14+97.32				20.0
1	14+97.32	15+48.60	57.0	57.0		
12	15+20.30	15+33.77	21.6	7.4	14.2	21.4
12	15+33.77	15+48.60	18.1	6.4	11.7	28.4
12-14	15+48.60	25+51.40	1114.2	1114.2		
14	25+47.35	25+59.38	15.1	7.1	8.0	21.0
14-18	25+59.38	42+43.89	1873.3	1866.1	7.2	22.3
18	42+43.89	42+56.63	10.6		10.6	26.5
18	42+56.63	44+55.18	216.5	205.7	10.8	26.8
18	44+55.18	44+65.25	24.5		24.5	30.4
		TOTALS	4989.9	4894.2	95.7	239.4

PERMANENT SIGNAGE					
SIGN	SIZE (IN)	AREA (SQ FT)	QTY	TOTAL AREA	DESCRIPTION
R1-2	18X18X18	1.0	2 EA	2.0 SQ FT	YIELD
R5-3	24X24	2.0	9 EA	18.0 SQ FT	NO MOTOR VEHICLES
R15-1	24X4.5	1.4	2 EA	2.8 SQ FT	GRADE CROSSING (CROSSBUCK)
W10-1	24 DIA.	3.2	2 EA	6.4 SQ FT	GRADE CROSSING ADVANCED WARNING
W16-2aP	12X24	2.0	1 EA	2.0 SQ FT	100 FT SUPPLEMENTAL SIGN
		TOTALS	16 EA	31.2 SQ FT	
			150 LF		U-CHANNEL POSTS

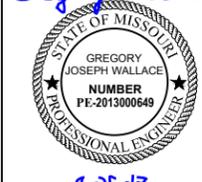
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*Gregory Wallace*



8-25-17

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 PUBLIC WORKS DEPARTMENT  
 200 E. FOURTH STREET  
 WENTZVILLE, MISSOURI 63385

PHONE (636) 639-2049  
 FAX (636) 639-2057

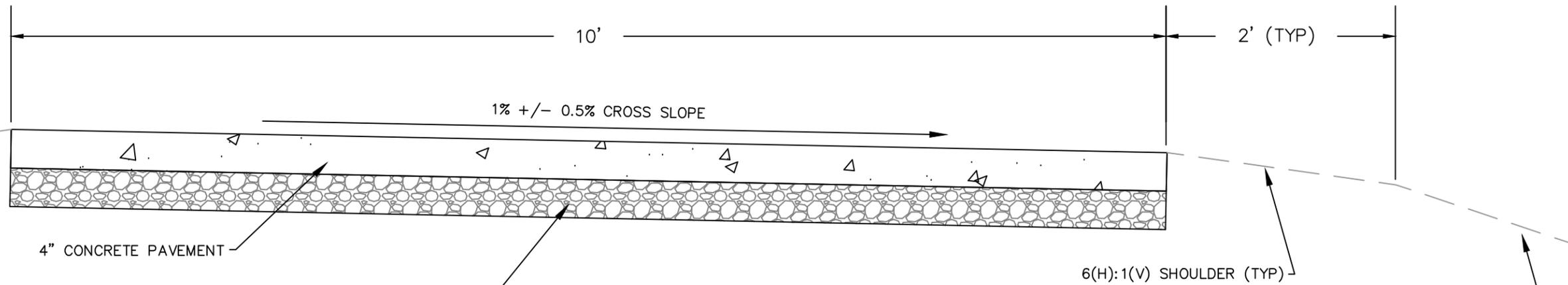
DESIGNED BY: GJW  
 DRAWN BY: PJM  
 CHECKED BY: DAD  
 APPROVED BY: GJW

SCALE: NONE  
 DATE: 08/25/17  
 WNTZ PROJECT NO.: 2016-006

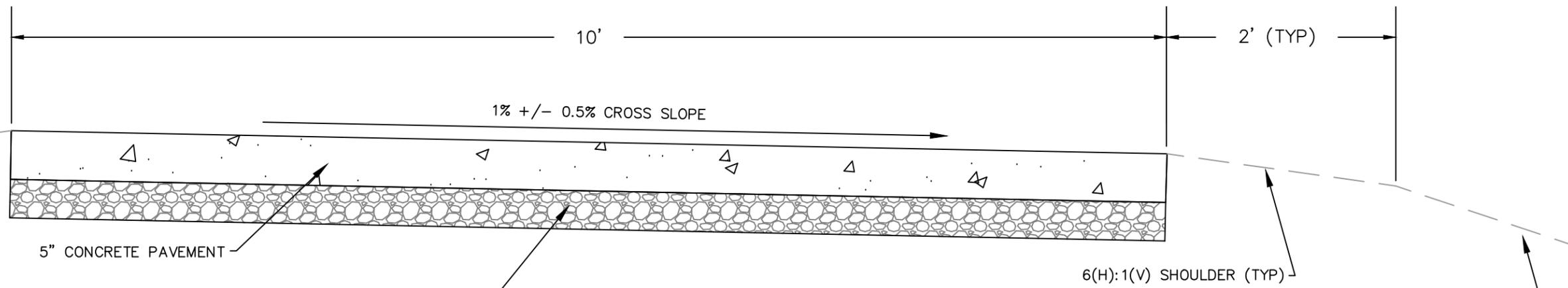
INTERSTATE DRIVE  
 MULTI-USE TRAIL

QUANTITIES

SHEET NUMBER: 3  
 TOTAL SHEETS: 24



1 **INTERSTATE DRIVE TRAIL**  
4 BASE BID - 4" SIDEWALK



2 **INTERSTATE DRIVE TRAIL**  
4 ADD ALTERNATE 'A' - 5" SIDEWALK

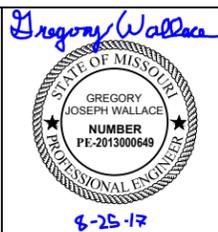
- CROSS SECTION NOTES:**
1. TRANSVERSE JOINTS SHALL BE SPACED EVERY 10' AND MADE BY SAW CUT ONLY.
  2. EXPANSION JOINTS SHALL BE PLACED EVERY 50' ON A TRANSVERSE JOINT AND AT EVERY ROAD APPROACH.

NO.	DATE	BY	REVISION

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200 E. FOURTH STREET  
WENTZVILLE, MISSOURI 63385  
PHONE (636) 639-2049  
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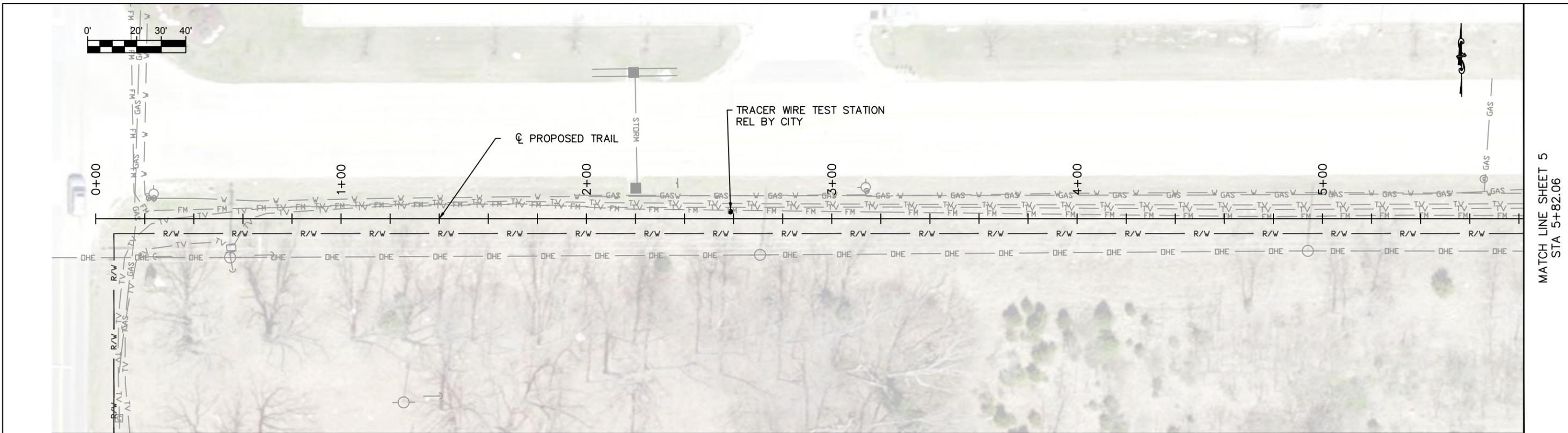
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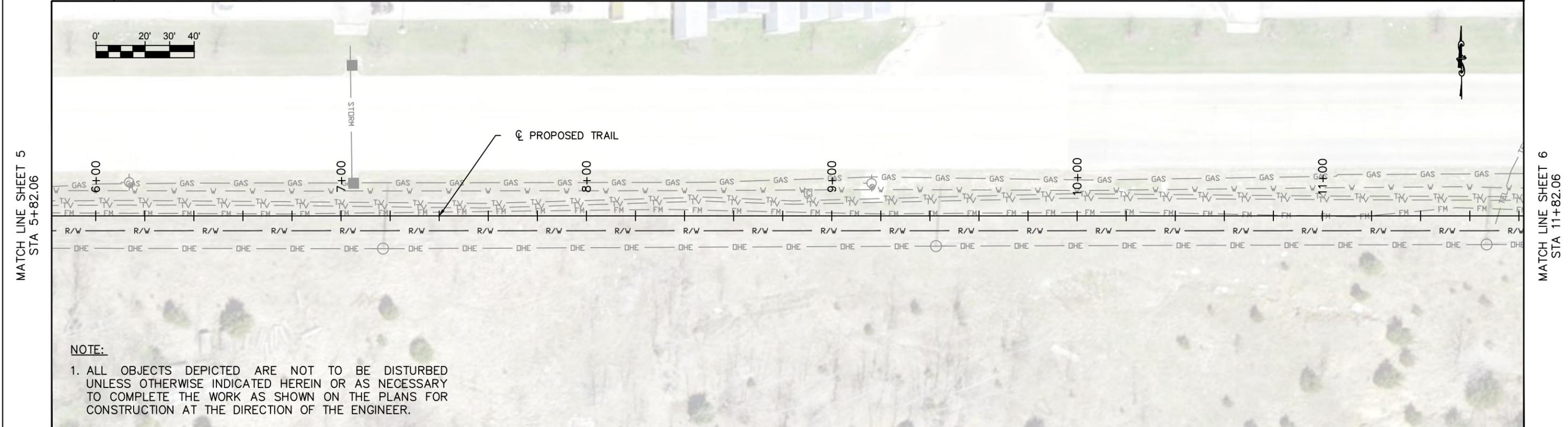
**INTERSTATE DRIVE MULTI-USE TRAIL**

TYPICAL SECTION

SHEET NUMBER	4
TOTAL SHEETS	24



MATCH LINE SHEET 5  
STA 5+82.06

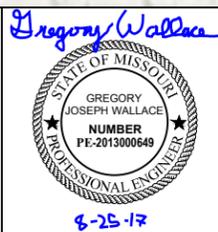


MATCH LINE SHEET 6  
STA 11+82.06

**NOTE:**  
1. ALL OBJECTS DEPICTED ARE NOT TO BE DISTURBED UNLESS OTHERWISE INDICATED HEREIN OR AS NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS FOR CONSTRUCTION AT THE DIRECTION OF THE ENGINEER.

NO.	DATE	BY	REVISION

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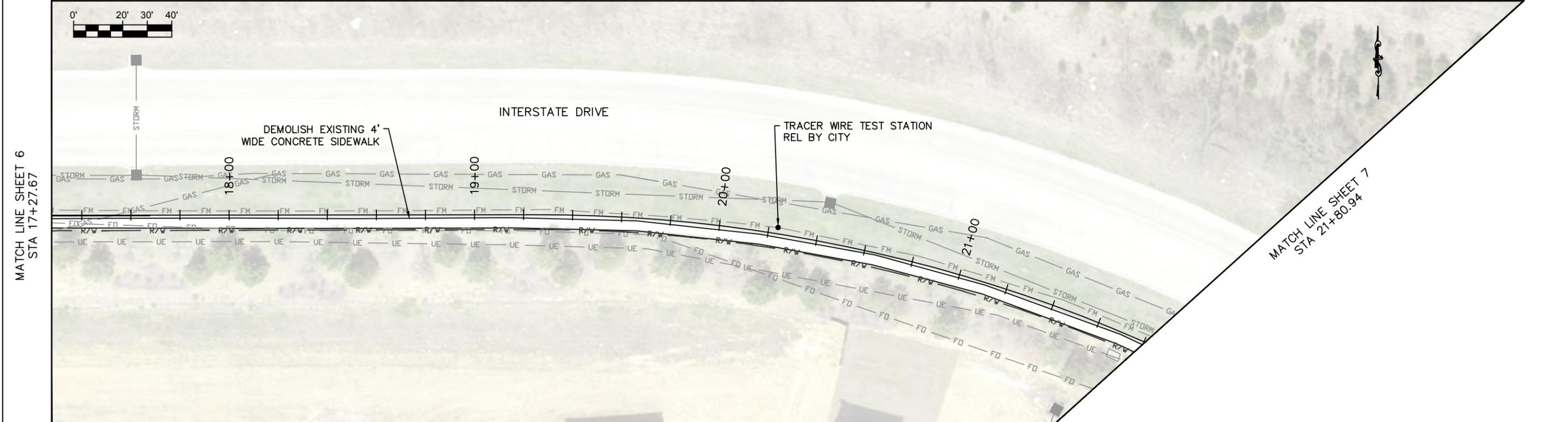
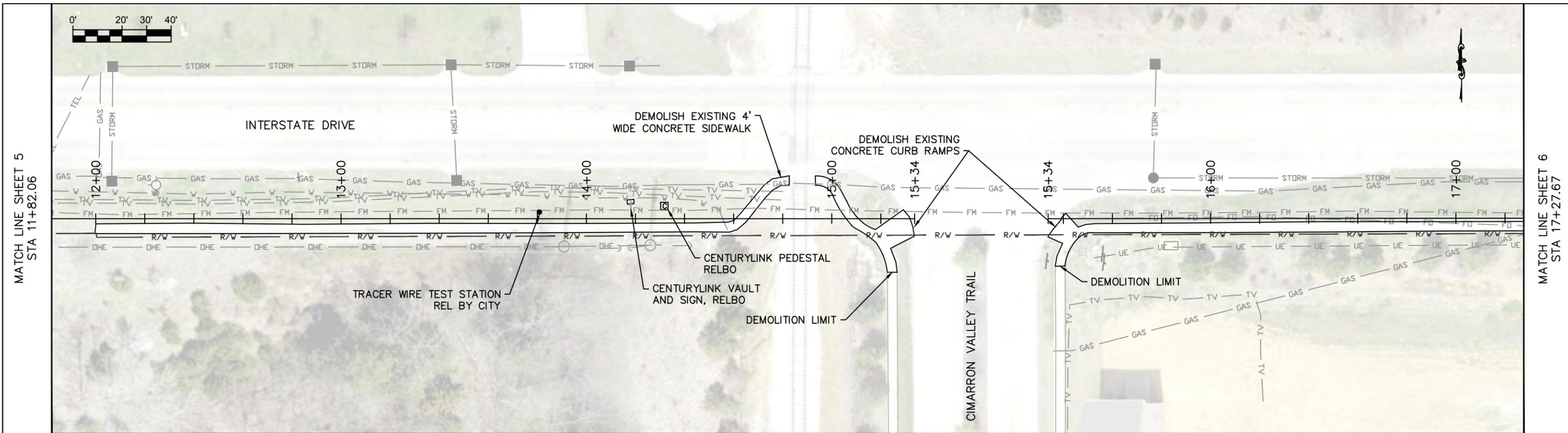
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DESIGNED BY: GJW  
DRAWN BY: DAD  
CHECKED BY: DAD  
APPROVED BY: GJW  
SCALE: 1" = 40'  
DATE: 08/25/17  
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INTERSTATE DRIVE  
MULTI-USE TRAIL  
DEMOLITION PLAN

SHEET NUMBER  
5  
TOTAL SHEETS  
24

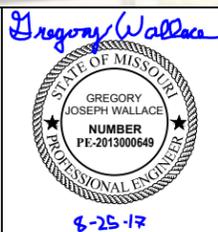
MATCH LINE SHEET 5  
STA 5+82.06



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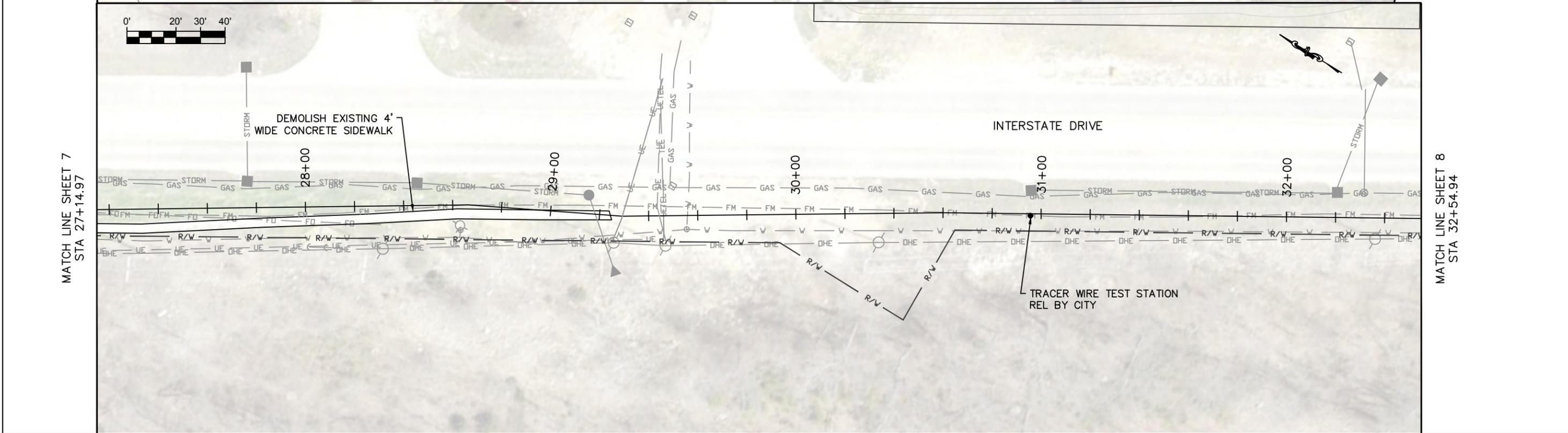
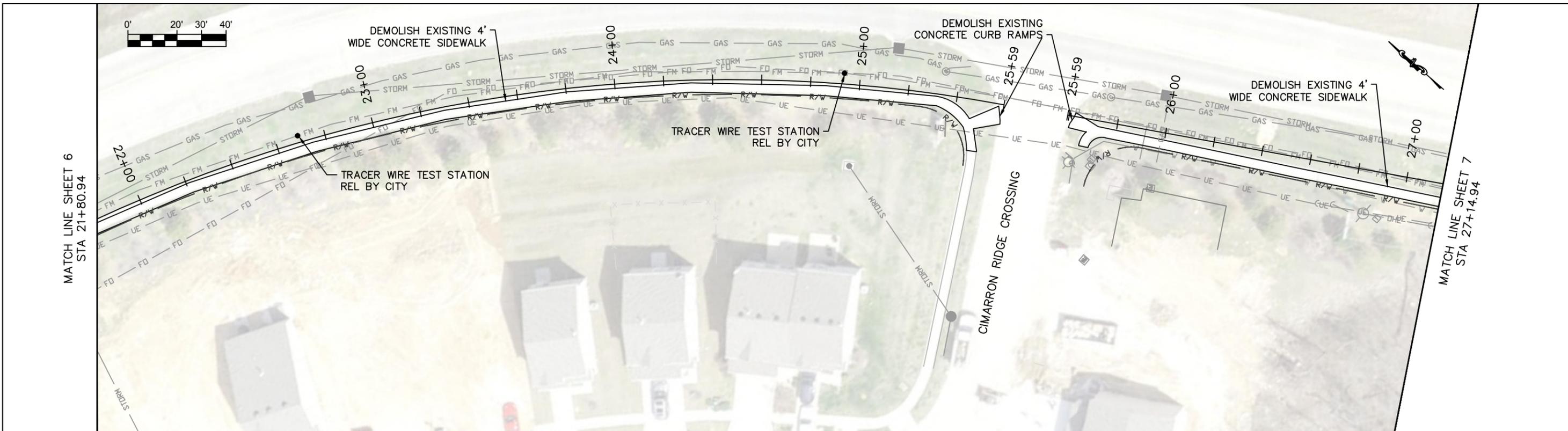
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DESIGNED BY: GJW  
 DRAWN BY: DAD  
 CHECKED BY: DAD  
 APPROVED BY: GJW  
 SCALE: 1" = 40'  
 DATE: 08/25/17  
 WNTZ PROJECT NO.: 2016-006

INTERSTATE DRIVE  
 MULTI-USE TRAIL  
 DEMOLITION PLAN  
 SHEET NUMBER: 6  
 TOTAL SHEETS: 24



NO.	DATE	BY	REVISION

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*Gregory Wallace*

6-25-17

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 200 E. FOURTH STREET  
 WENTZVILLE, MISSOURI 63385

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SCALE: 1" = 40'  
 DATE: 08/25/17  
 WNTZ PROJECT NO.: 2016-006

INTERSTATE DRIVE  
 MULTI-USE TRAIL

DEMOLITION PLAN

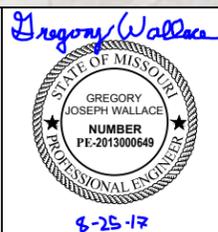
SHEET NUMBER: 7  
 TOTAL SHEETS: 24



NO.	DATE	BY	REVISION

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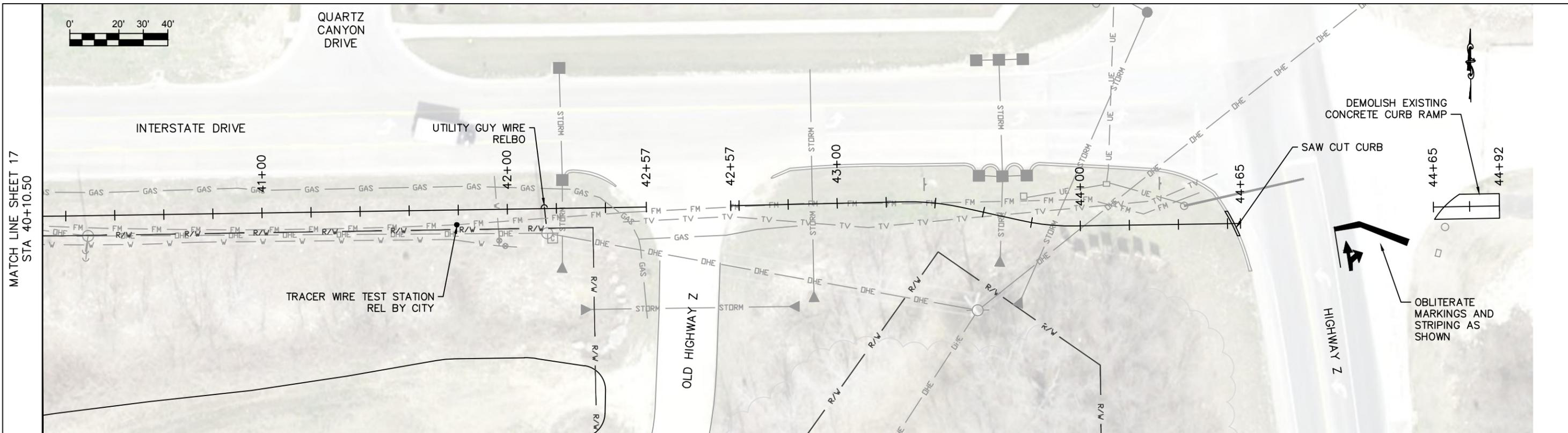
**UTILITY NOTES**  
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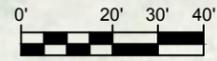
**CITY OF WENTZVILLE**  
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 200 E. FOURTH STREET  
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 PHONE (636) 639-2049  
 FAX (636) 639-2057

DESIGNED BY: GJW  
 DRAWN BY: DAD  
 CHECKED BY: DAD  
 APPROVED BY: GJW  
 SCALE: 1" = 40'  
 DATE: 08/25/17  
 WNTZ PROJECT NO.: 2016-006

INTERSTATE DRIVE  
 MULTI-USE TRAIL  
 DEMOLITION PLAN  
 SHEET NUMBER: 8  
 TOTAL SHEETS: 24



MATCH LINE SHEET 17  
STA 40+10.50

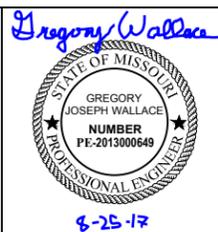


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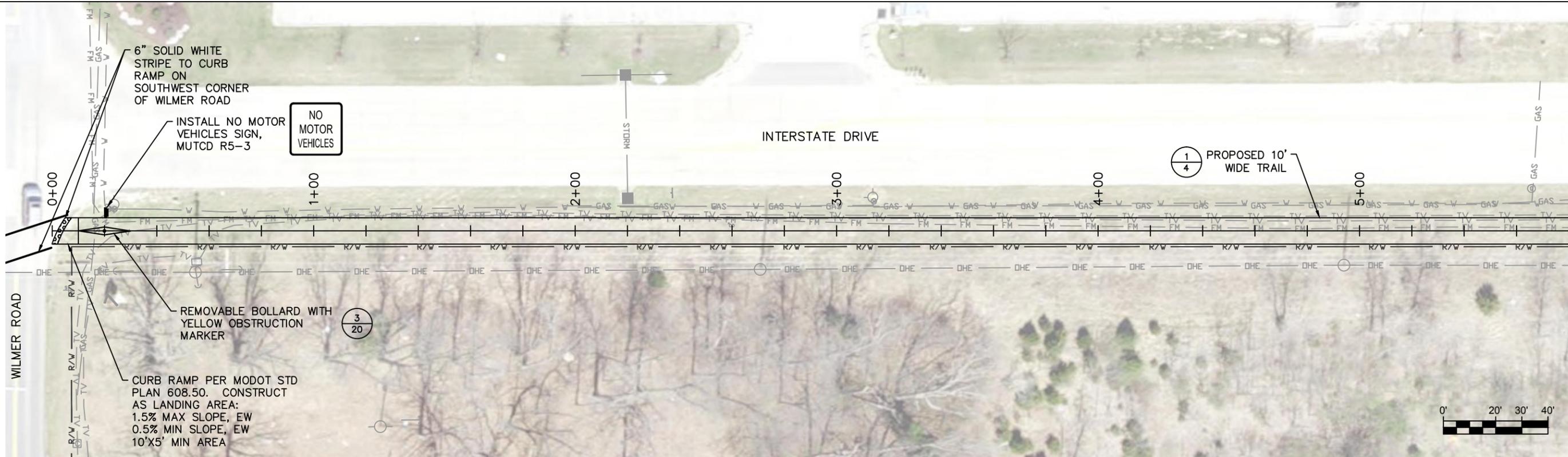
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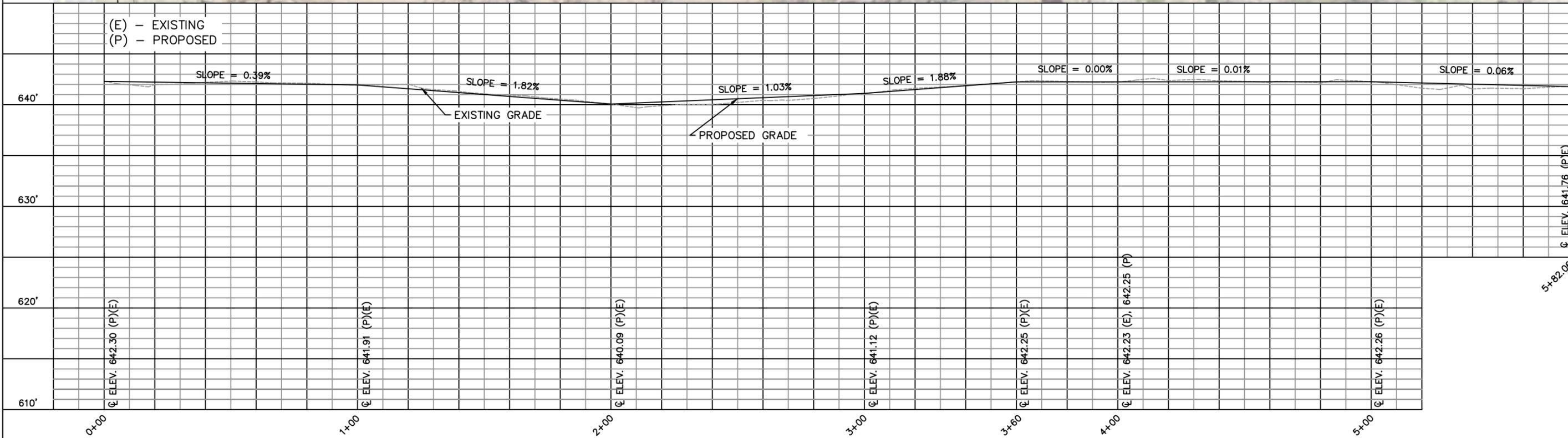
INTERSTATE DRIVE  
 MULTI-USE TRAIL

DEMOLITION PLAN

SHEET NUMBER	9
TOTAL SHEETS	24



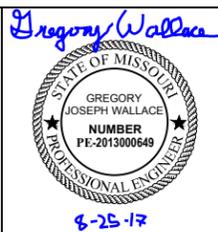
MATCH LINE SHEET 11  
STA 5+82.06



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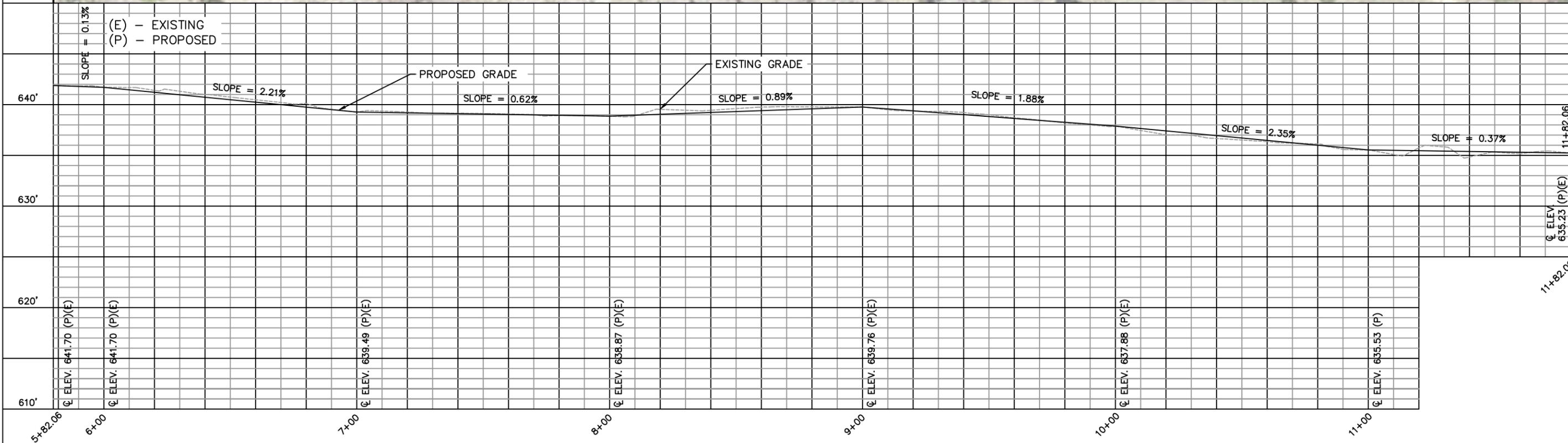
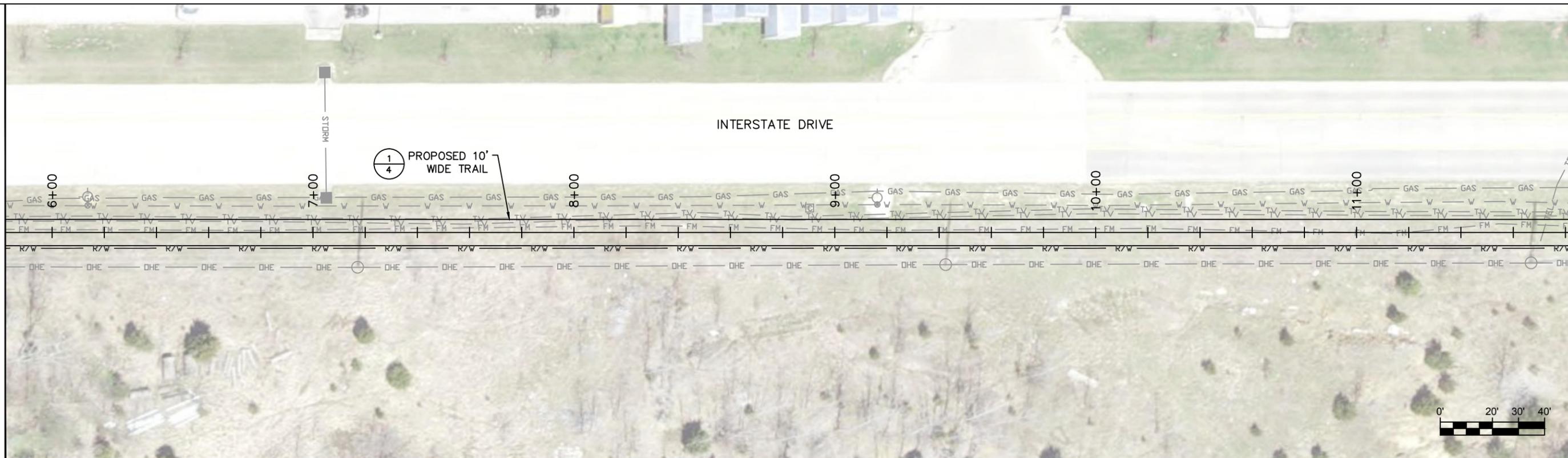
INTERSTATE DRIVE  
MULTI-USE TRAIL

PLAN & PROFILE

SHEET NUMBER	10
TOTAL SHEETS	24

MATCH LINE SHEET 10  
STA 5+82.06

MATCH LINE SHEET 12  
STA 11+82.06



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*Gregory Wallace*  
 GREGORY JOSEPH WALLACE  
 NUMBER PE-2013000649  
 PROFESSIONAL ENGINEER  
 8-25-17

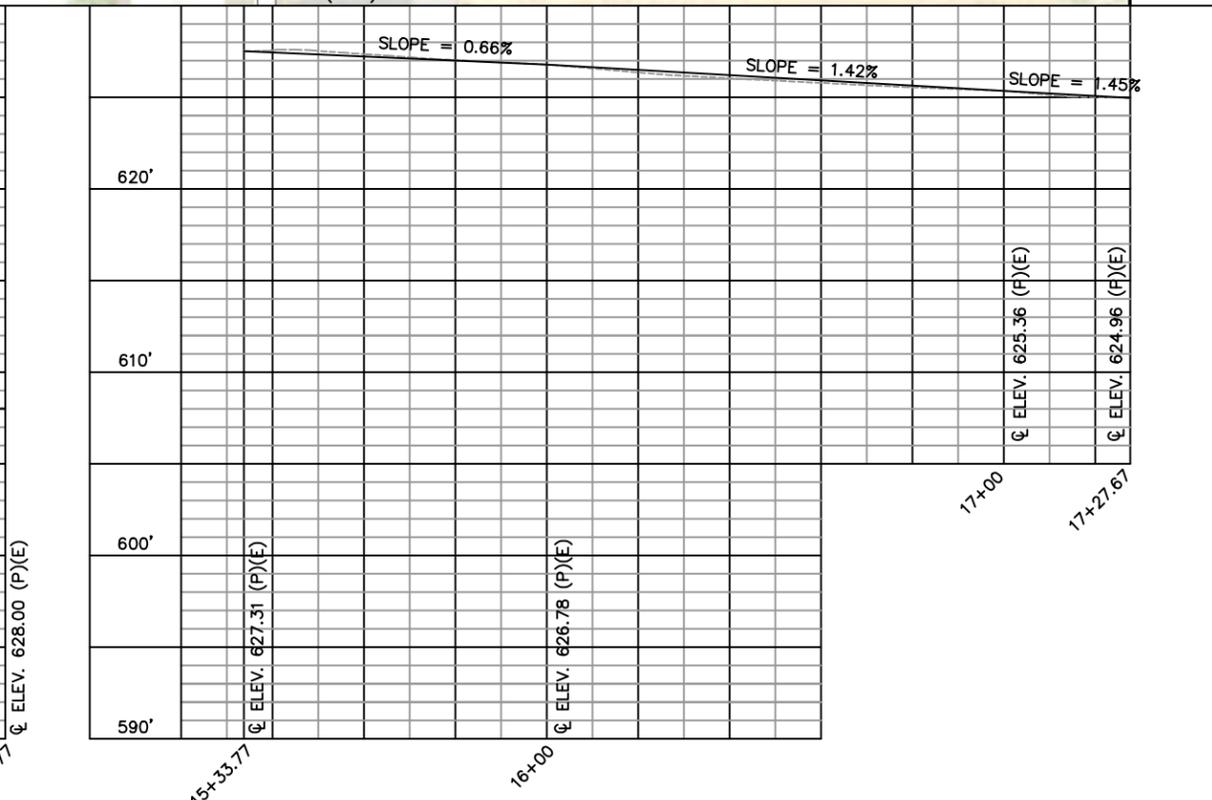
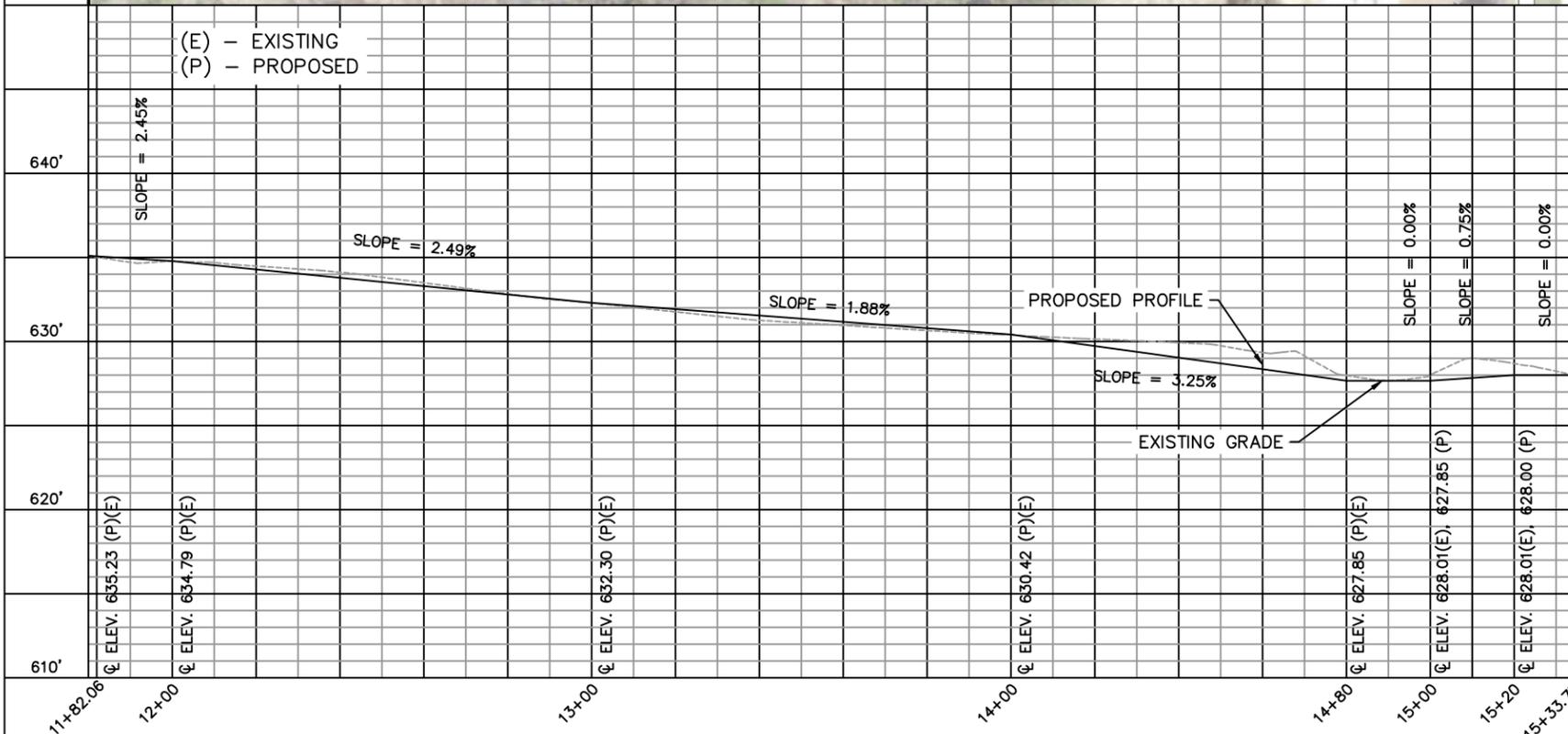
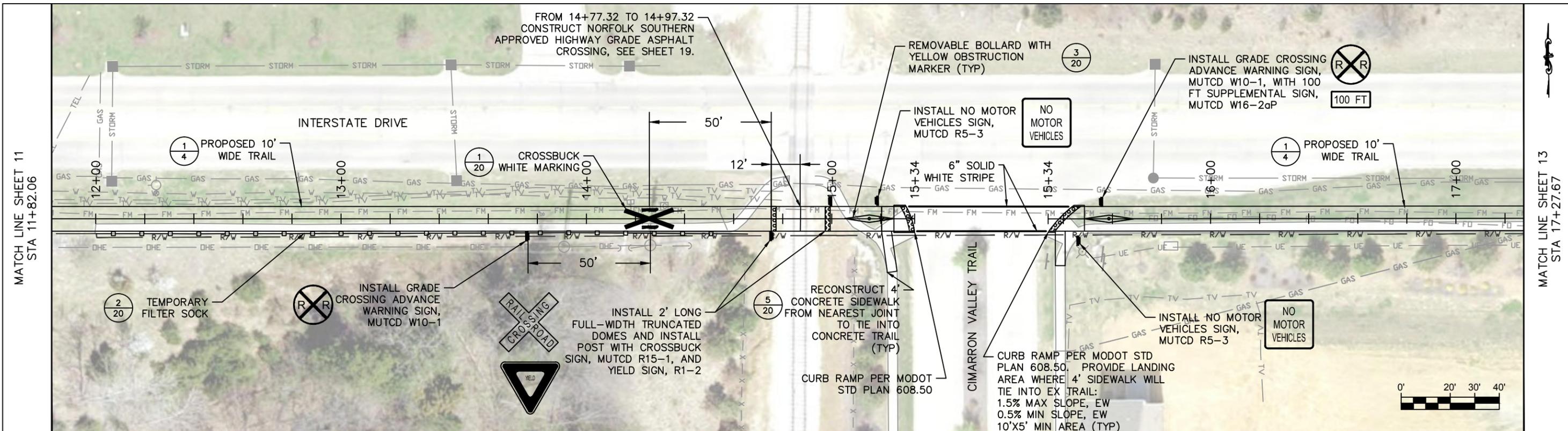
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INTERSTATE DRIVE  
 MULTI-USE TRAIL  
 PLAN & PROFILE

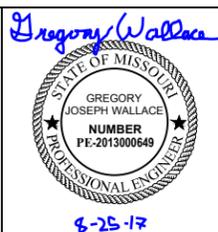
SHEET NUMBER	11
TOTAL SHEETS	24



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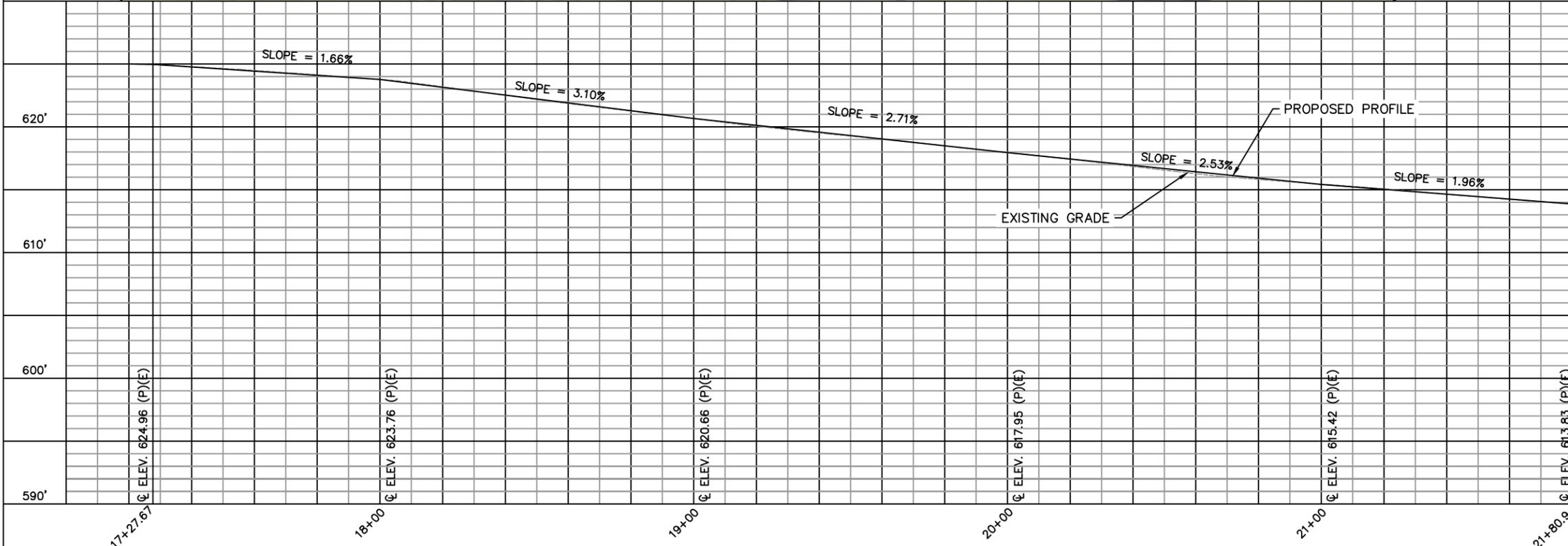
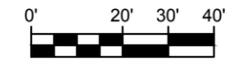
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**INTERSTATE DRIVE  
 MULTI-USE TRAIL**

PLAN & PROFILE

SHEET NUMBER	12
TOTAL SHEETS	24

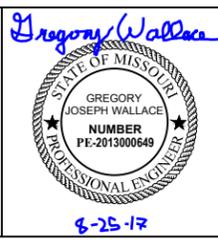


(E) - EXISTING  
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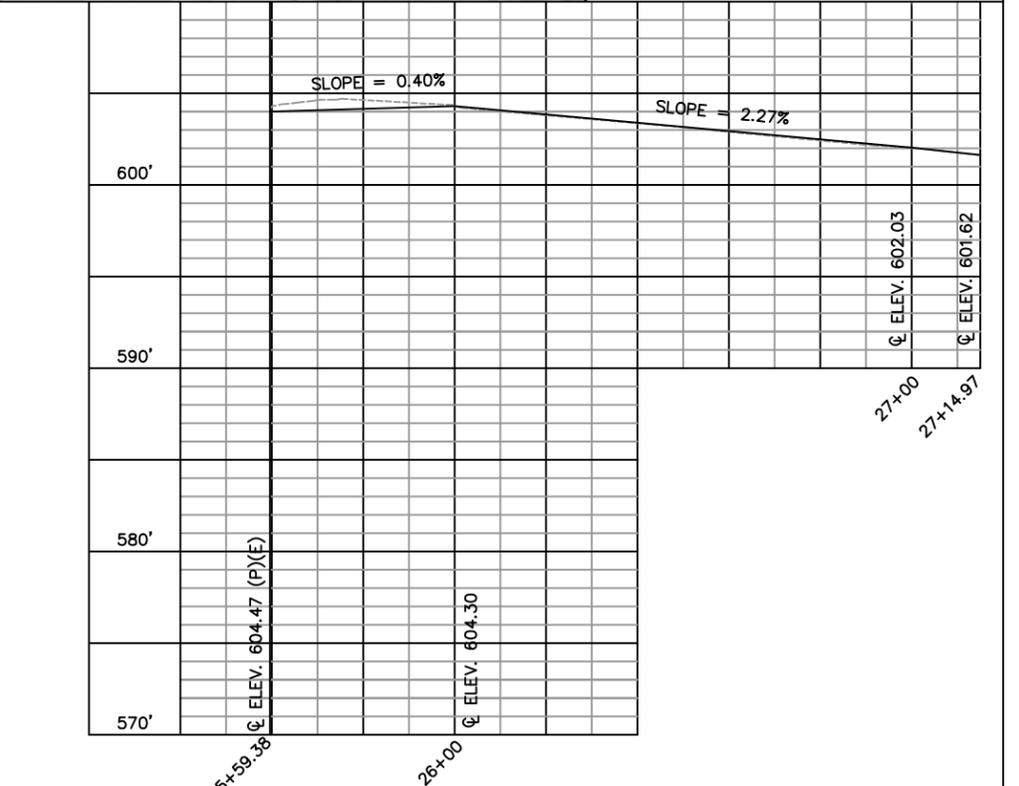
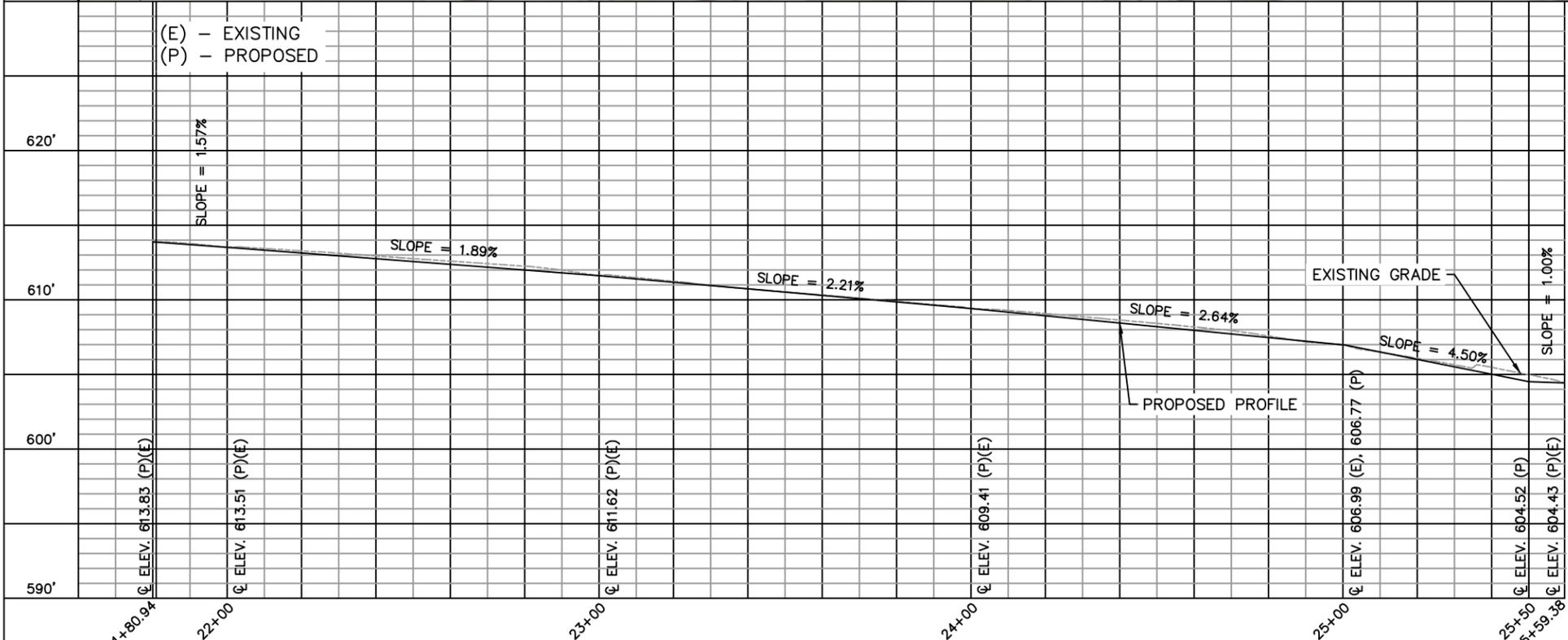
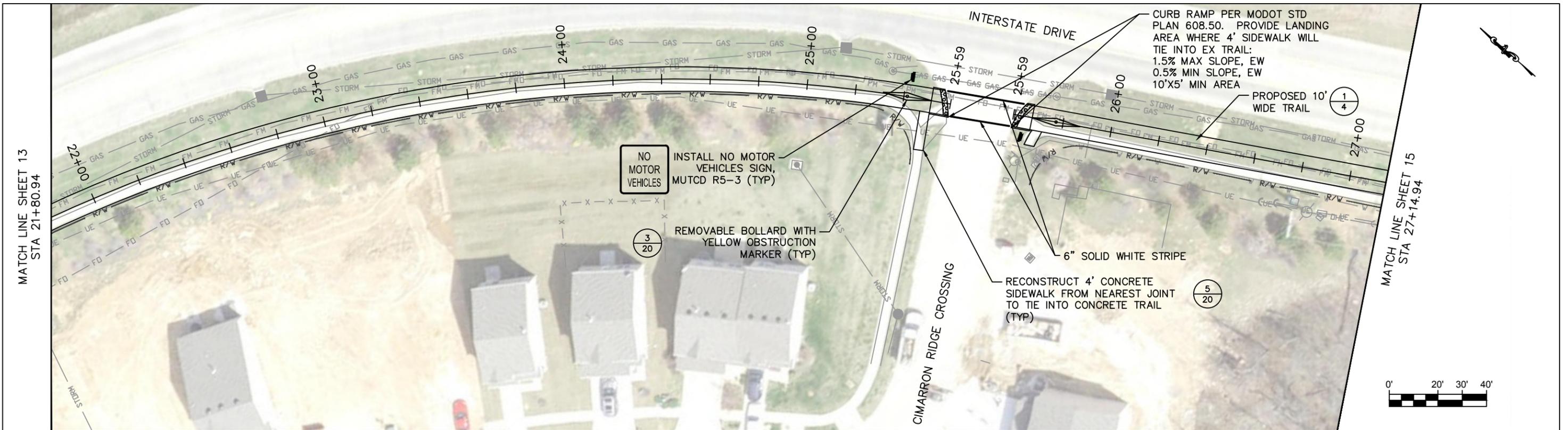


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INTERSTATE DRIVE MULTI-USE TRAIL	SHEET NUMBER 13
PLAN & PROFILE	TOTAL SHEETS 24



NO.	DATE	BY	REVISION
1	11/15/17	GJW	REMOVED LEADER COMMENT FROM TOP LEFT OF DRAWING

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STATE OF MISSOURI  
 GREGORY JOSEPH WALLACE  
 NUMBER PE-2013000649  
 PROFESSIONAL ENGINEER

11-15-17

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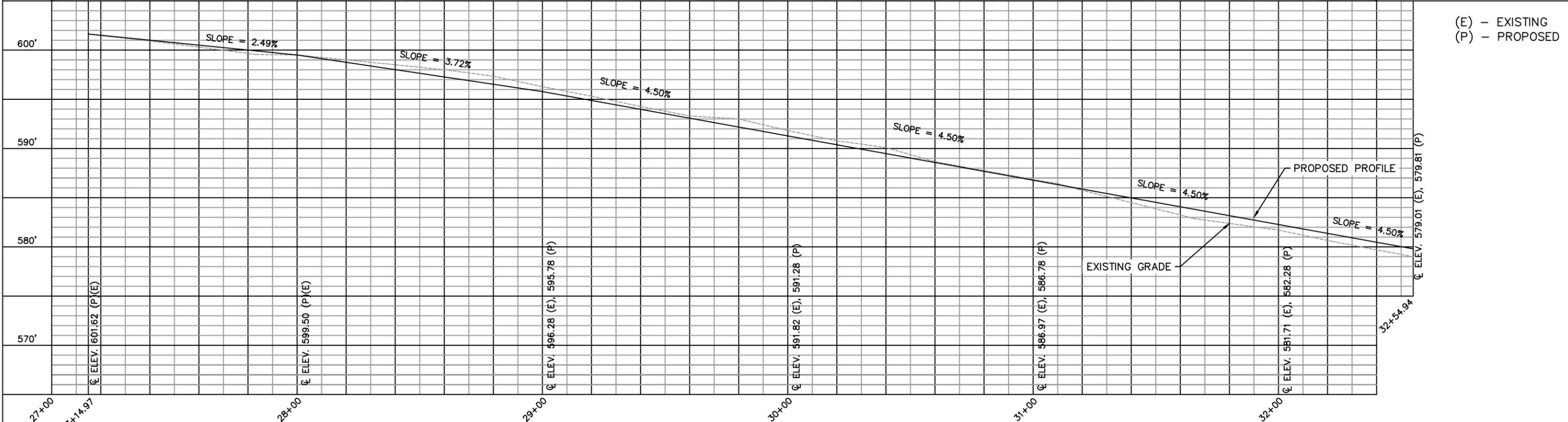
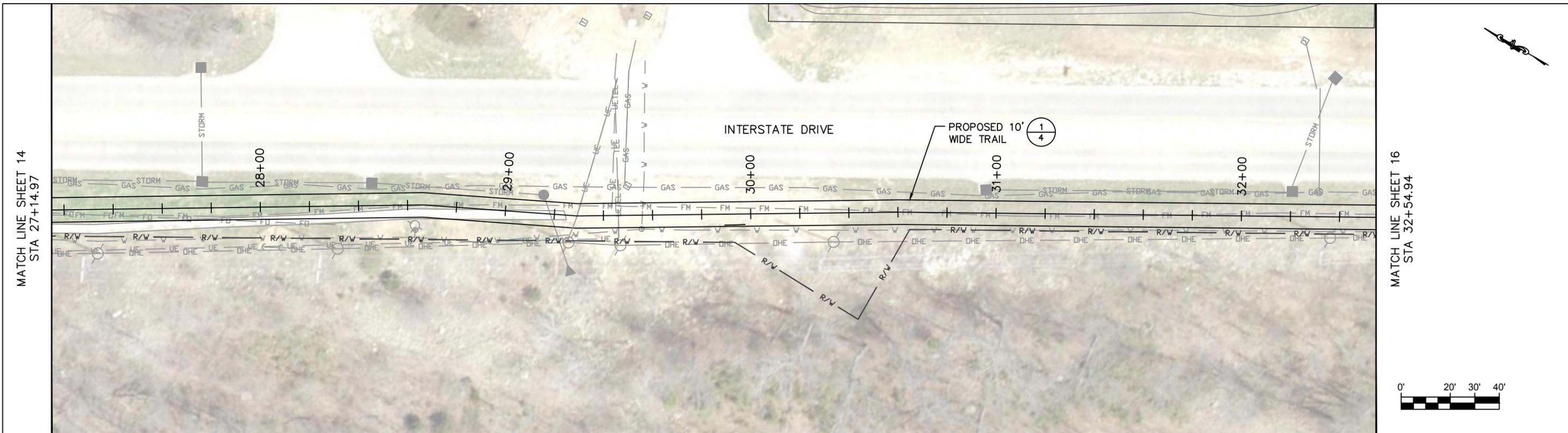
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 DATE: 11/15/17  
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INTERSTATE DRIVE  
 MULTI-USE TRAIL

PLAN & PROFILE

SHEET NUMBER	14
TOTAL SHEETS	24

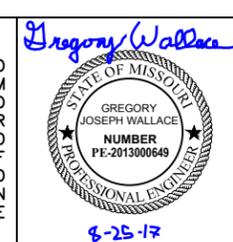


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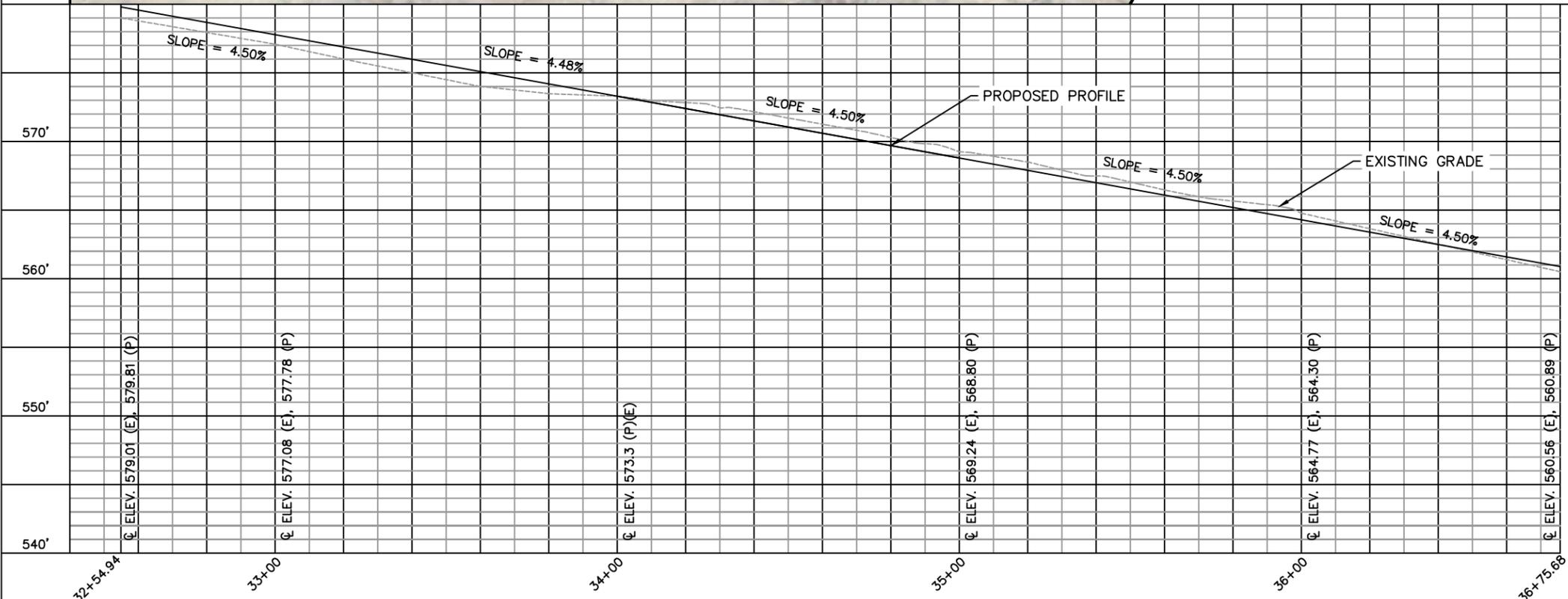
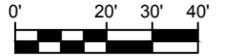
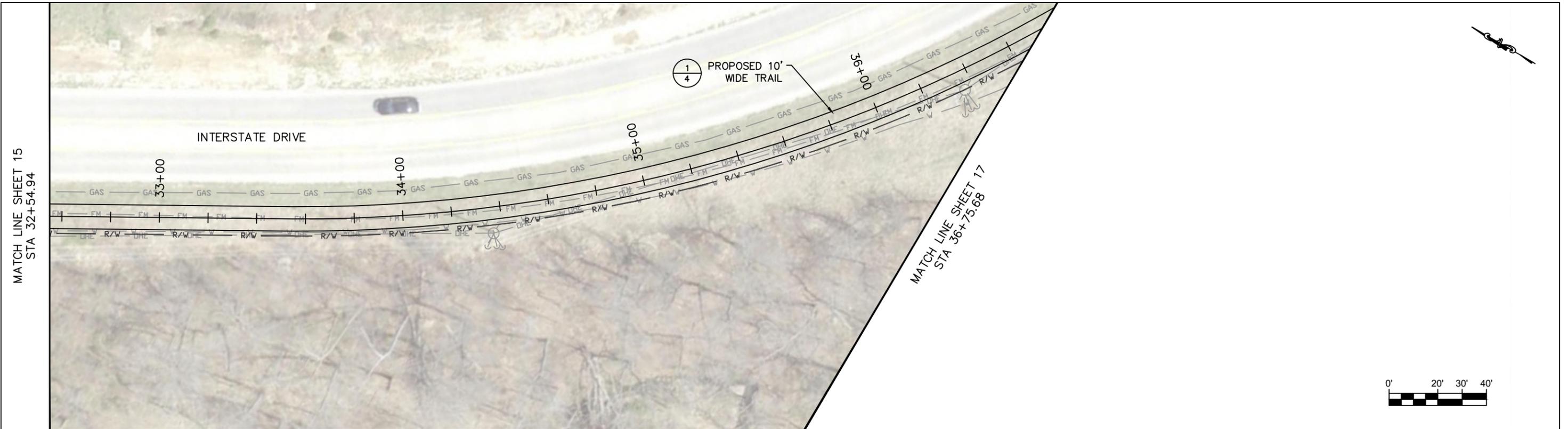


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**INTERSTATE DRIVE  
MULTI-USE TRAIL**  
  
**PLAN & PROFILE**

SHEET NUMBER	15
TOTAL SHEETS	24

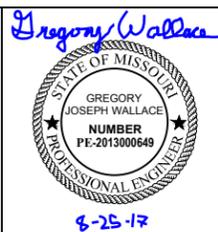


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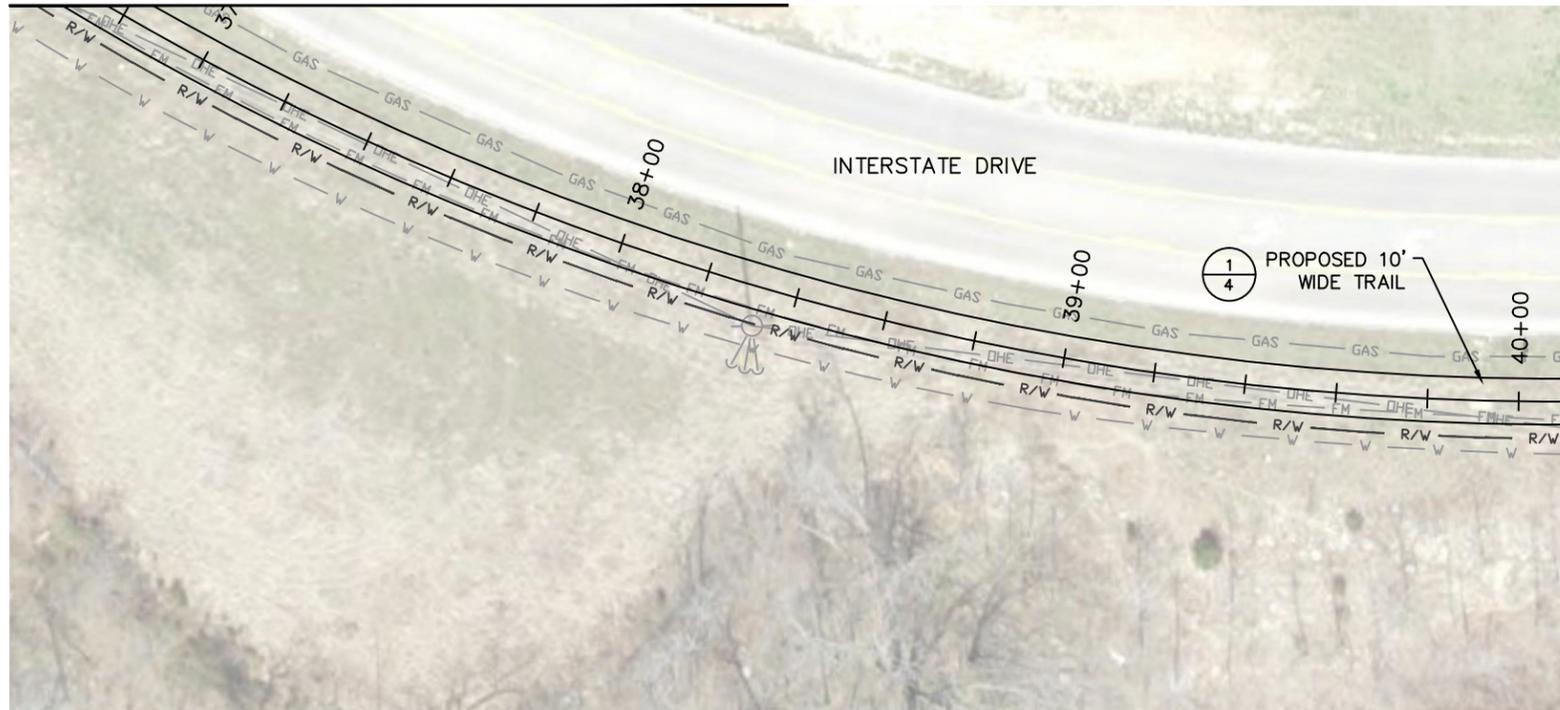


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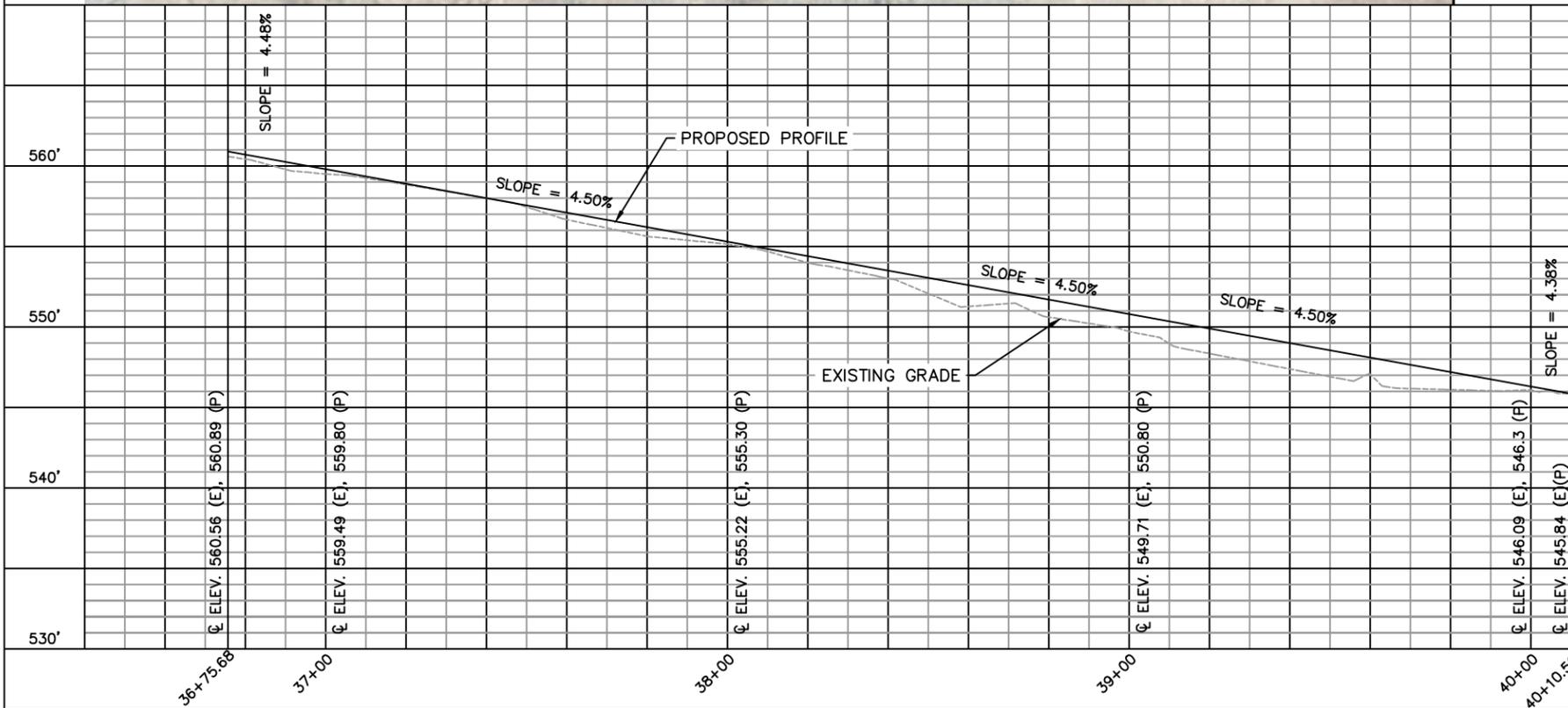
DESIGNED BY: GJW	SCALE: 1" = 40'
DRAWN BY: BCM	DATE: 08/25/17
CHECKED BY: DAD	WNTZ PROJECT NO.:
APPROVED BY: GJW	2016-006

INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER
		16
PLAN & PROFILE		TOTAL SHEETS
		24

MATCH LINE SHEET 16  
STA 36+75.68

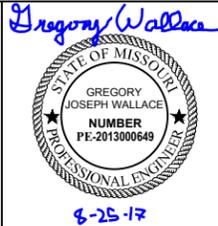


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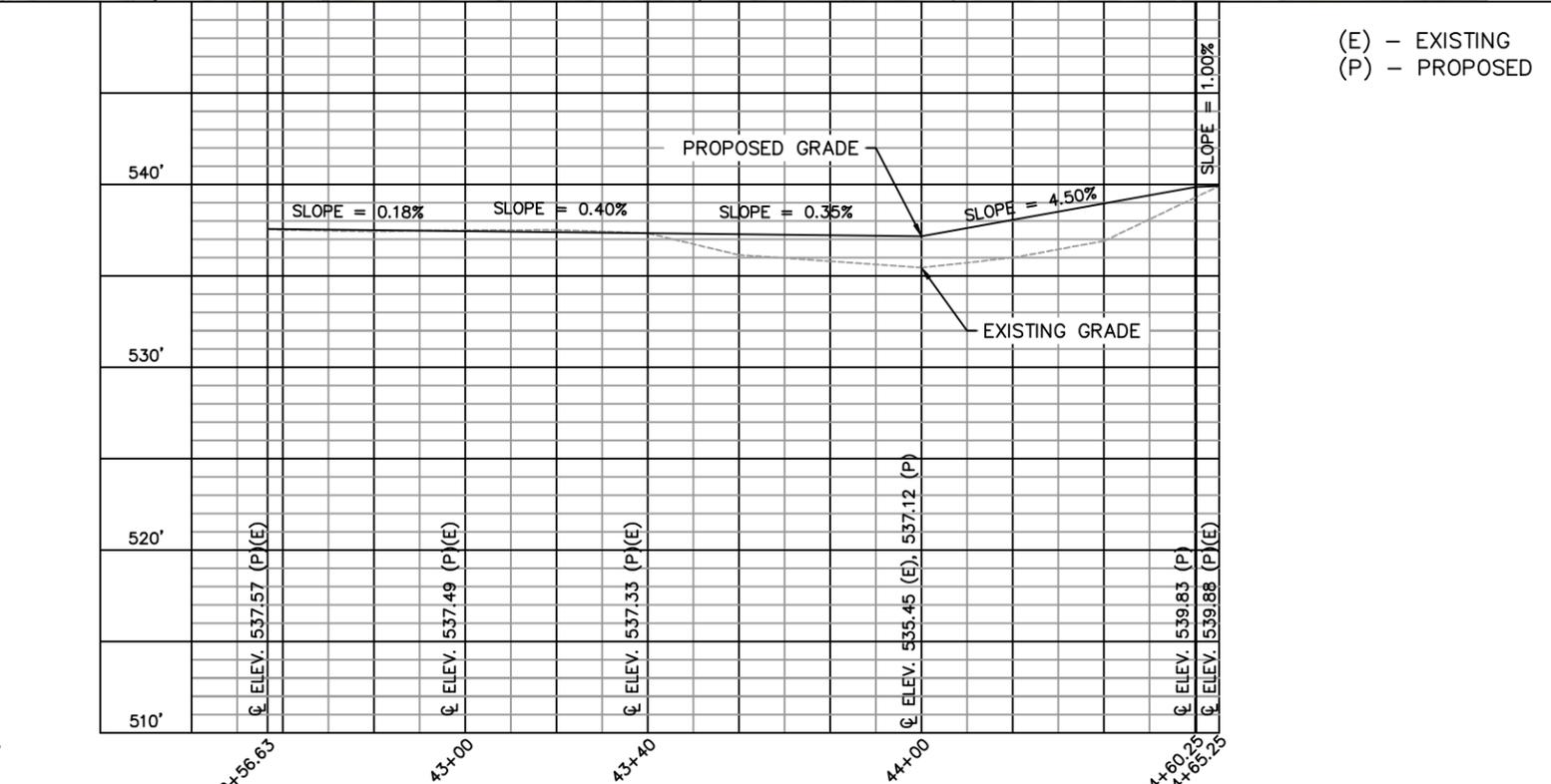
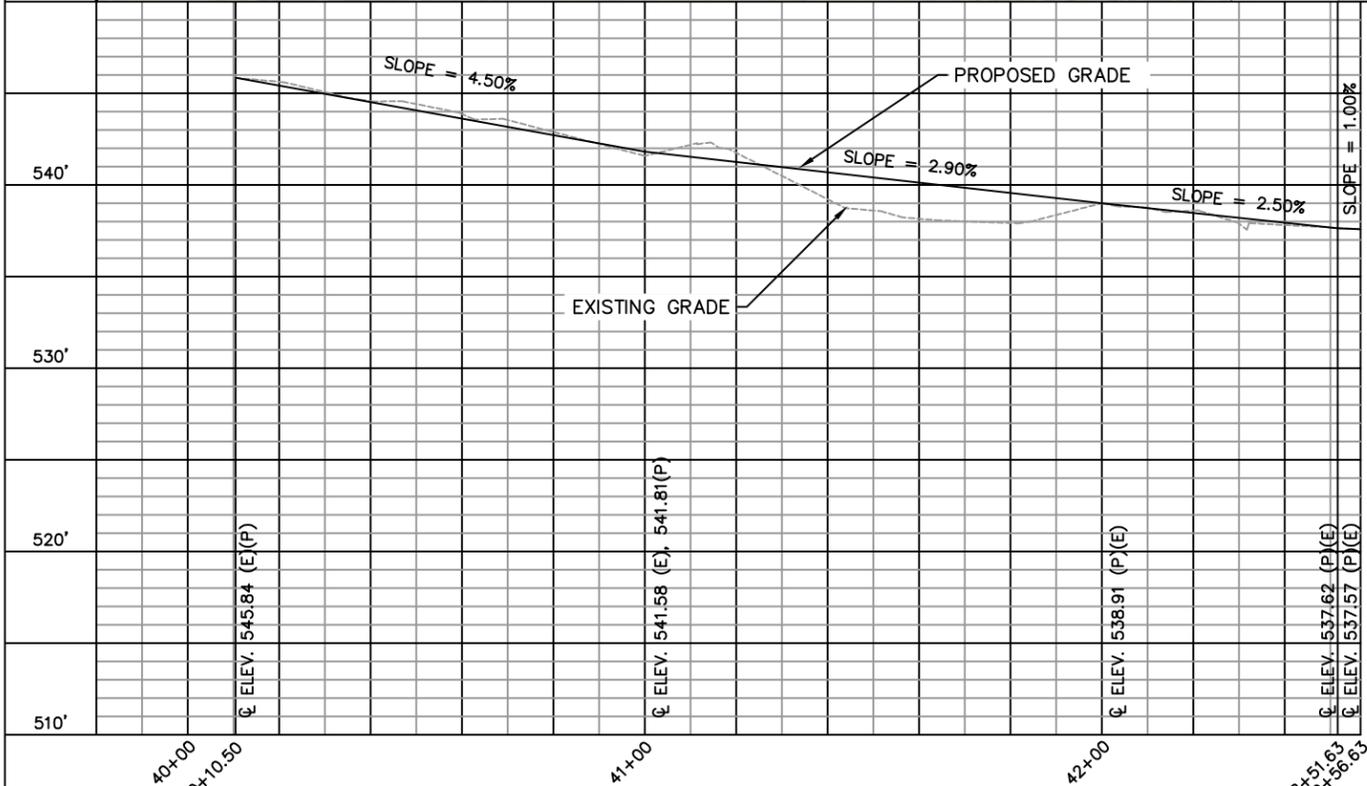
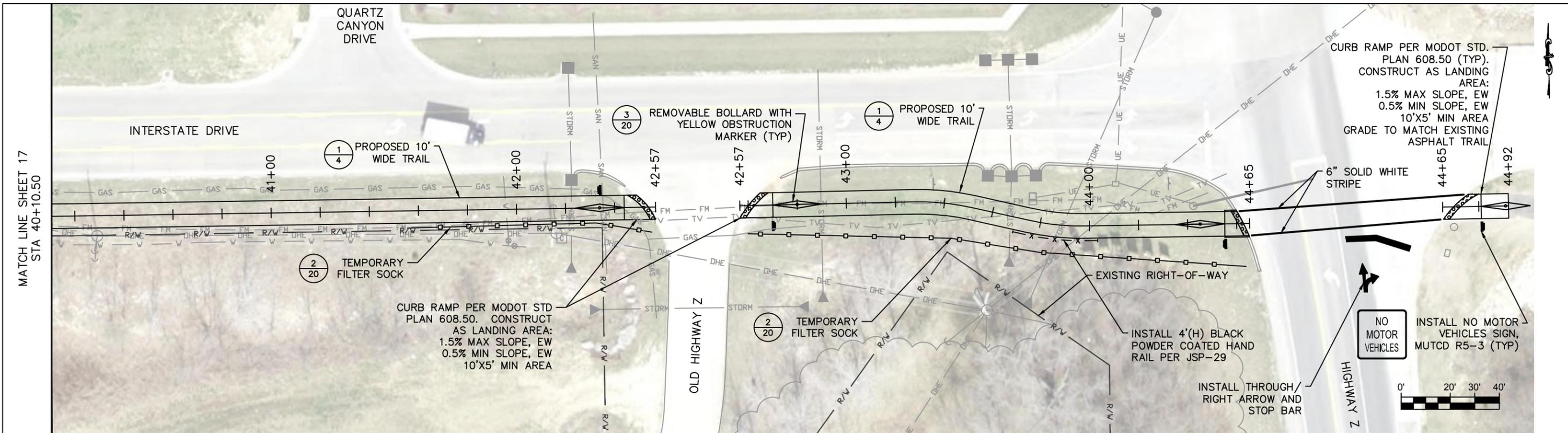
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**INTERSTATE DRIVE  
MULTI-USE TRAIL**  
  
**PLAN & PROFILE**

SHEET NUMBER  
17  
TOTAL SHEETS  
24

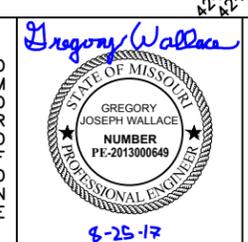
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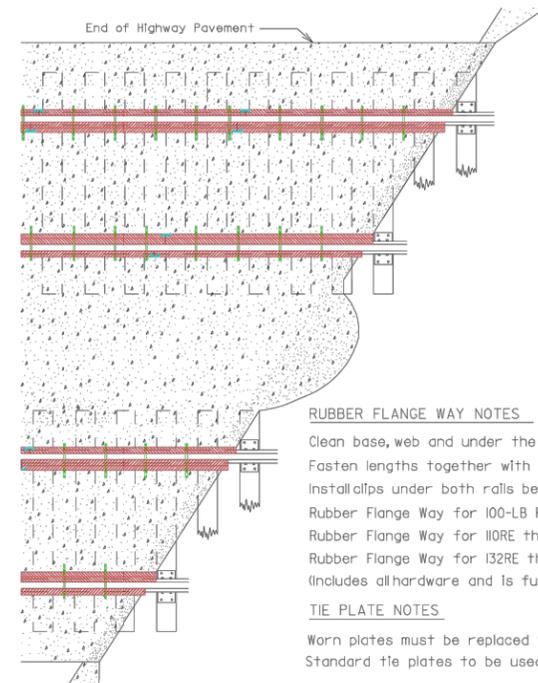
PLAN & PROFILE

SHEET NUMBER	18
TOTAL SHEETS	24

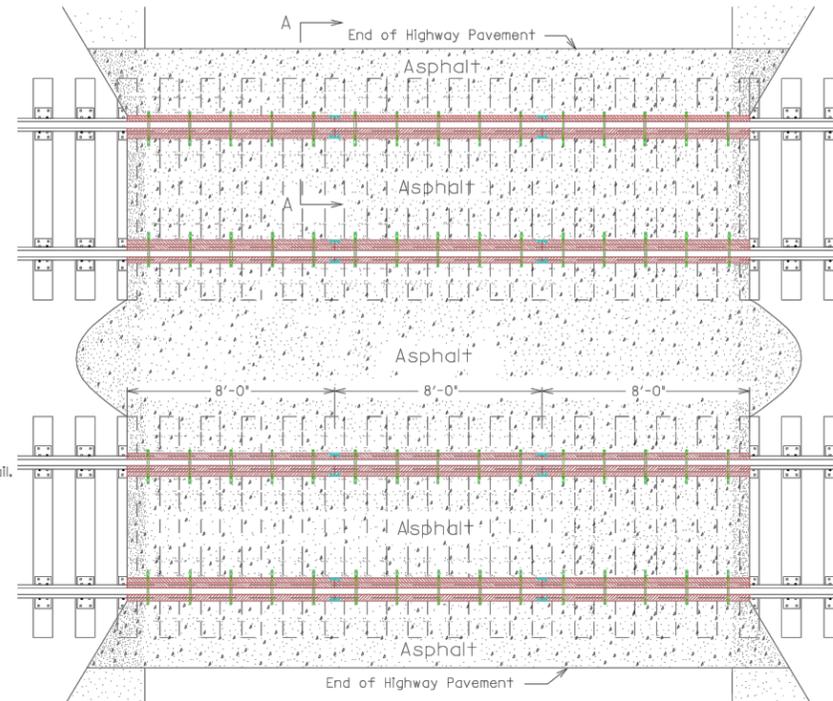
(E) - EXISTING  
 (P) - PROPOSED

RAIL CROSSING NOTES:

1. CONTRACTOR TO INSTALL CLIPS, FIELD SIDE RUBBER FILLER, GAUGE SIDE RUBBER FLANGE WAY, ASPHALT AND AGGREGATE BASE PER THIS DETAIL AND JSP-11.
2. ASPHALT TO BE 2" BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1) ON 4" BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE).
3. ALL PAVEMENT SHALL FOLLOW ADA REQUIREMENTS.
4. CONTRACTOR SHALL NOT DISTURB RAILS, SPIKES, TIES, OR BALLAST SECTION.



ACUTE ANGLE CROSSING



RIGHT ANGLE CROSSING

RUBBER FLANGE WAY NOTES

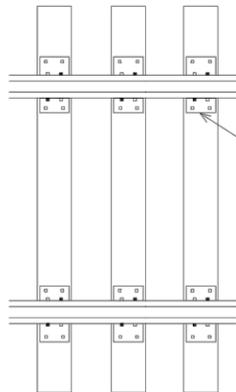
Clean base, web and under the head of the rail.  
 Fasten lengths together with end clips and lay rubber against the rail.  
 Install clips under both rails between every tie in the crossing.  
 Rubber Flange Way for 100-LB Rail 270 995291  
 Rubber Flange Way for 110RE through 115RE Rail 270 991789  
 Rubber Flange Way for 132RE through 141AB Rail 270 008791  
 (Includes all hardware and is furnished in 8 track foot sections.)

TIE PLATE NOTES

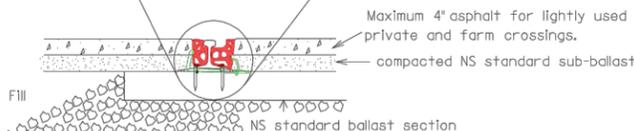
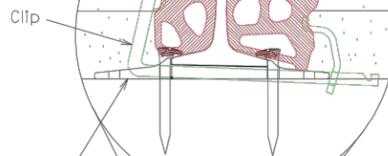
Worn plates must be replaced when crossing is renewed.  
 Standard tie plates to be used for 6' base rail are 7 3/4" x 14 3/4".

SPIKING PATTERN

All spikes for 110# thru 141# rail shall be driven in holes as shown below.



Field Side Rubber Filler Gauge Side Rubber Flange Way



SECTION A-A

PAVING NOTES

Pavement to be full depth asphalt, except lightly used private crossings and farm crossings. These type crossings are to have compacted NS standard sub-ballast with 4" maximum asphalt.  
 Where highway or street have separate sidewalks, the entire width of crossing to the outside edge of sidewalk, will be paved, where practical.  
 When necessary provide drainage between tracks.  
 To allow for compaction of paving under vehicular traffic, the surface of the asphalt paving shall be raised 3/8" above the top of the rubber flange ways for the width of the roadway.  
 In full depth crossings, lay asphalt in two lifts.  
 Jam stone or asphalt under rubber flange way between ties - both field and gauge sides. FILL ALL VOIDS.

NORFOLK SOUTHERN RAILWAY COMPANY  
**HIGHWAY GRADE CROSSING  
 ASPHALT PAVING  
 WITH RUBBER FLANGE WAY**

OCTOBER 2003

Atlanta, Georgia

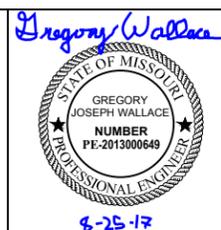
DATE	REVISION
11-18-03	ADD CLASS & ITEM NUMBER FOR 100-LB RAIL

NO.	DATE	BY	REVISION

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UTILITY NOTES

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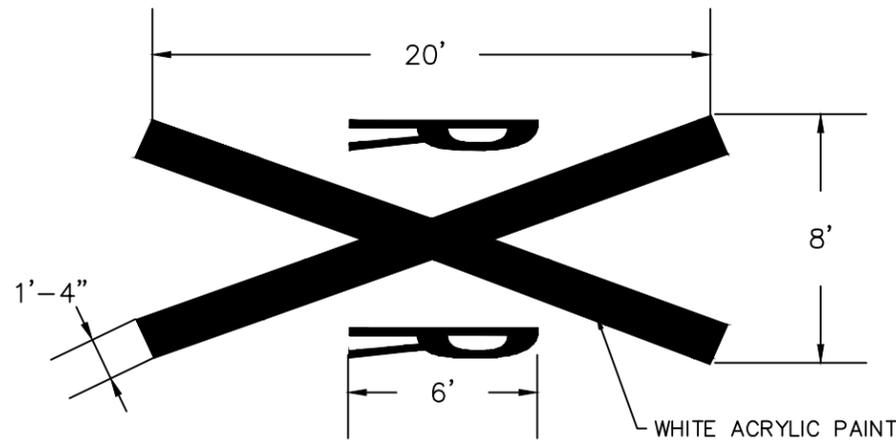
CITY OF WENTZVILLE  
 PUBLIC WORKS DEPARTMENT  
 200 E. FOURTH STREET  
 WENTZVILLE, MISSOURI 63385  
 PHONE (636) 639-2049  
 FAX (636) 639-2057

DESIGNED BY:  
 BCM  
 DRAWN BY:  
 BCM  
 CHECKED BY:  
 DAD  
 APPROVED BY:  
 GJW

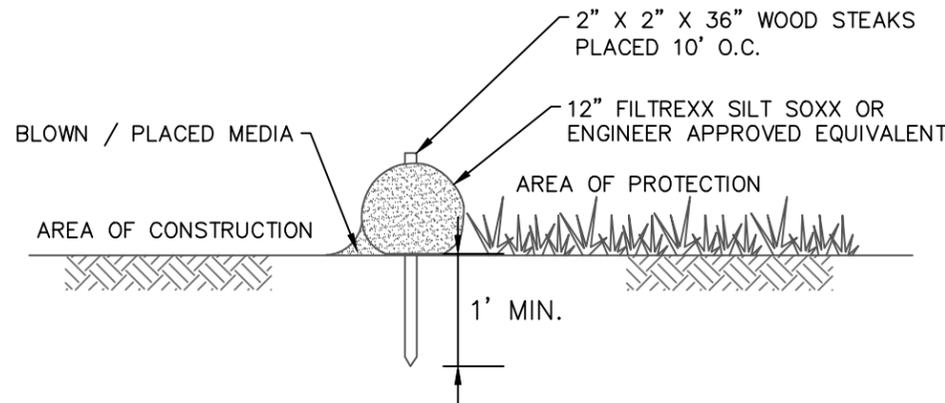
SCALE:  
 NONE  
 DATE:  
 08/25/17  
 WNTZ PROJECT NO.:  
 2016-006

INTERSTATE DRIVE  
 MULTI-USE TRAIL  
 CONSTRUCTION DETAILS

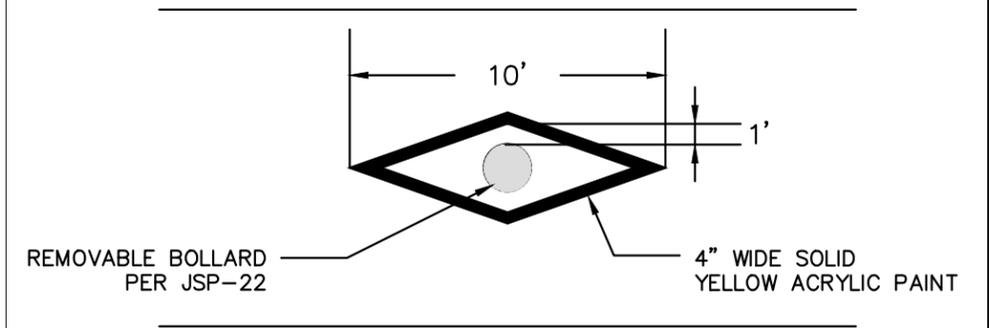
SHEET NUMBER  
 19  
 TOTAL SHEETS  
 24



1 **GRADE CROSSING MARKING DETAIL**  
20 SCALE: NONE



2 **FILTER SOCK DETAIL**  
20 SCALE: NONE

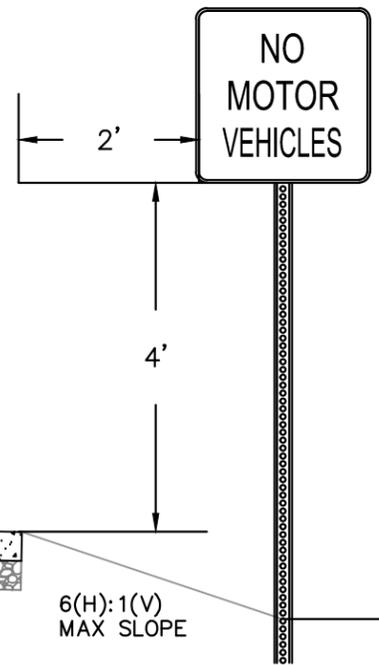


3 **OBSTRUCTION MARKING DETAIL**  
20 SCALE: NONE

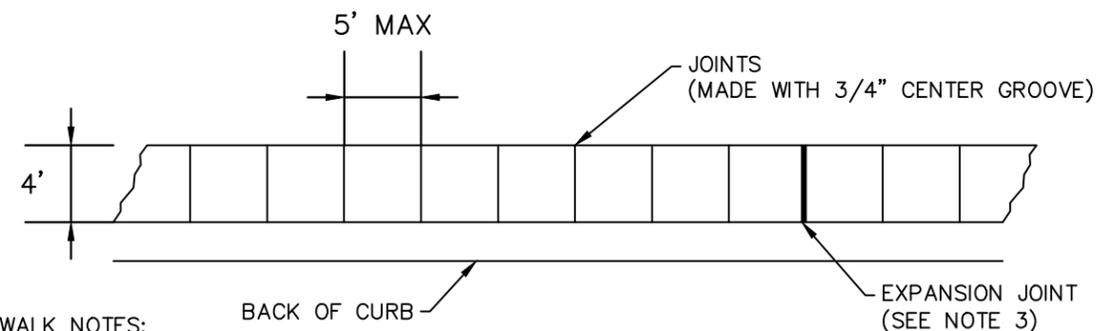
4 **SIGN LOCATION DETAIL**  
20 SCALE: NONE

SIGN LOCATION NOTES:

POST SHALL BE STANDARD U-CHANNEL POST  
EXTENDING MINIMUM 3 FEET BELOW FINISH  
GRADE.



5 **CONCRETE SIDEWALK DETAIL**  
20 SCALE: NONE



SIDEWALK NOTES:

1. SIDEWALKS AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT AMERICANS WITH DISABILITIES ACT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES AND THESE DETAILS.
2. SIDEWALKS SHALL BE A MINIMUM OF 4" THICK.
3. EXPANSION JOINTS ARE REQUIRED BETWEEN SIDEWALK AND APPROACHES, WHERE SIDEWALKS INTERSECT STREETS AND AT A MINIMUM SPACING OF 20 FEET. FOR SLIP FORMED SIDEWALK THE MAXIMUM JOINT SPACING IS 50 FEET.

NO.	DATE	BY	REVISION

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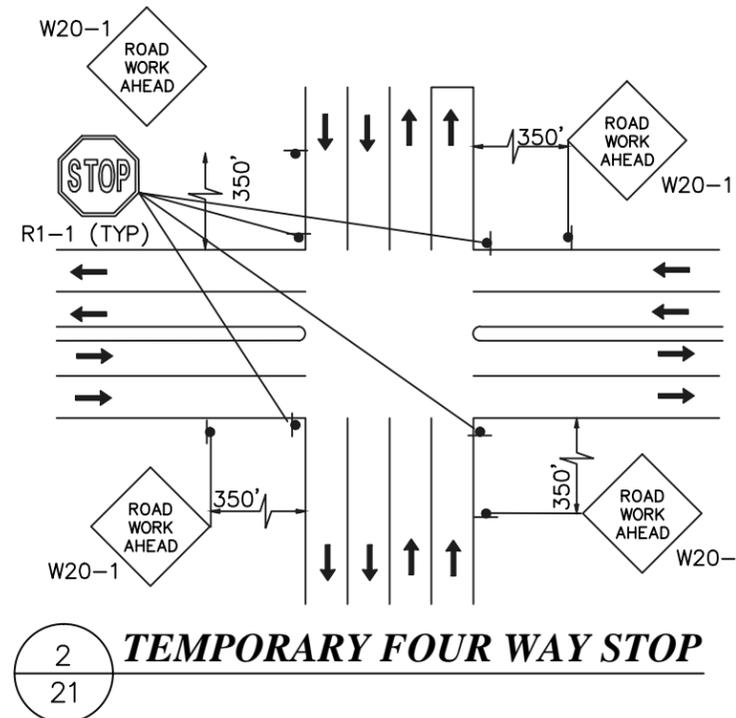
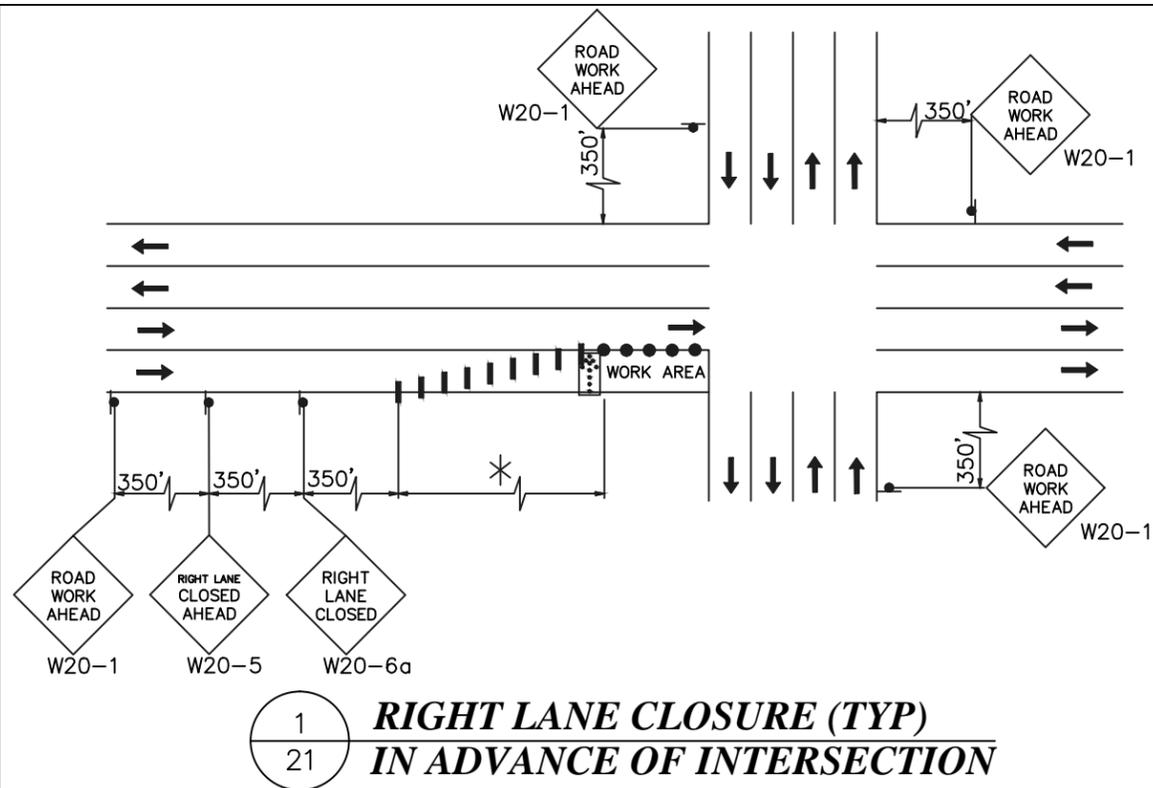
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*Gregory Wallace*  
STATE OF MISSOURI  
GREGORY JOSEPH WALLACE  
NUMBER  
PE-2013000649  
PROFESSIONAL ENGINEER  
8-25-17

CITY OF WENTZVILLE  
PUBLIC WORKS DEPARTMENT  
200 E. FOURTH STREET  
WENTZVILLE, MISSOURI 63385  
PHONE (636) 639-2049  
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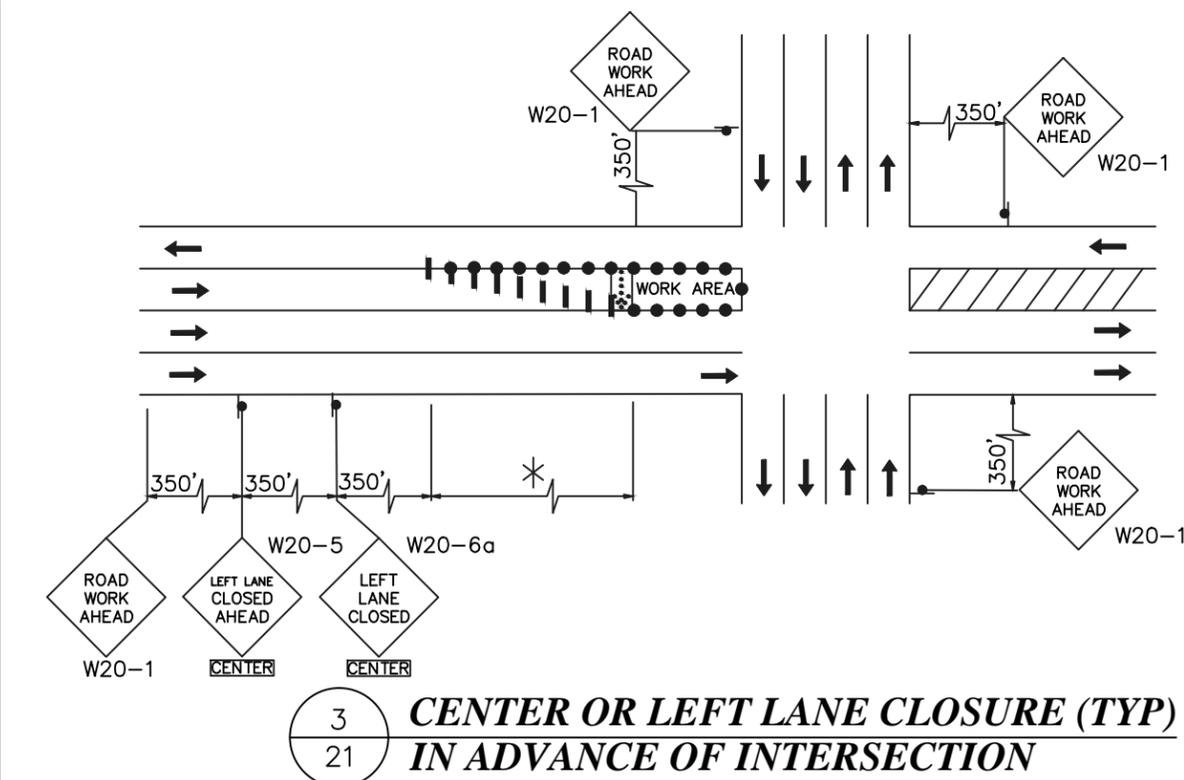
DESIGNED BY:  
PJM  
DRAWN BY:  
PJM  
CHECKED BY:  
DAD  
APPROVED BY:  
GJW  
SCALE:  
NOT TO SCALE  
DATE:  
08/25/17  
WNTZ PROJECT NO.:  
2016-006

INTERSTATE DRIVE  
MULTI-USE TRAIL  
CONSTRUCTION DETAILS  
SHEET NUMBER  
20  
TOTAL SHEETS  
24



**TRAFFIC CONTROL NOTES:**

1. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. TEMPORARY PAVEMENT MARKINGS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE FOR THIS ITEM PAVEMENT MARKINGS SHALL BE MAINTAINED IN ACCORDANCE WITH THE MUTCD. INTERIM PAVEMENT MARKINGS MAY BE LEFT IN PLACE FOR SITUATIONS OF TWO WEEKS OR LESS.
3. CHANNELIZERS SHALL BE PLACED EVERY 20 FEET UNLESS SHOWN OTHERWISE ON THE PLANS. A MINIMUM 10 FOOT WIDE DRIVING LANE SHALL BE MAINTAINED. CHANNELIZERS SHALL BE PLACED IN OPEN TRENCH DURING NON-WORKING HOURS.
4. ANY EXISTING SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED.
5. ALL SPACING AND DISTANCES ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
6. USE A FLAGGER WHEN PERFORMING THE AT-GRADE RAILROAD CROSSING AND WHEN MOVING EQUIPMENT ON AND OFF THE ROADWAY, OTHERWISE OPTIONAL.
7. PORTABLE STOP SIGNS WILL BE REQUIRED ON ALL APPROACHES DURING TRAFFIC SIGNAL DOWN TIME.
8. TRAFFIC SIGNAL DOWN TIME WILL NOT BE ALLOWED DURING PEAK PERIODS OF 6AM - 9AM, 11:30 AM - 1PM & 3PM - 7PM M-F.
9. THE CITY OF WENTZVILLE MUST BE NOTIFIED PRIOR TO ANY LANE CLOSURES OR SIGNAL DOWN TIME.
10. THESE PROCEDURES ALSO APPLY WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN UNDER THESE CONDITIONS, LEFT LANE CLOSED SIGNS AND CORRESPONDING LANE REDUCTION SYMBOL SIGNS SHALL BE USED.
11. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE PAVEMENT.
12. USE CHANNELIZERS FOR DAY AND NIGHT TIME OPERATION.
13. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS, CHANNELIZERS OR ARROW PANELS.



TAPER TABLE			
POSTED SPEED LIMIT (MPH)	MINIMUM TAPER LENGTH (FT)	MINIMUM NO OF CHANNELIZERS	MAX SPACE IN TAPER (FT)
25	125	5	25
30	180	6	3
35	250	7	35
40	325	8	40
45	550	12	45
50	600	12	50
55	660	12	55

\* DATA FROM USDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART V (LATEST REVISION). THE TAPER LENGTH SHALL BE DETERMINED PER POSTED SPEED LIMITS PRIOR TO CONSTRUCTION. THE CHANNELIZER QUANTITIES SHOWN HAVE BEEN DETERMINED FOR THE MAXIMUM TAPER LENGTH AND 100' WORK AREA LENGTH.

- LEGEND**
- CONSTRUCTION SIGN
  - FLASHING ARROW PANEL
  - CHANNELIZER DRUM
  - DIRECTIONAL INDICATOR BARRICADE WITH LIGHT

NO.	DATE	BY	REVISION

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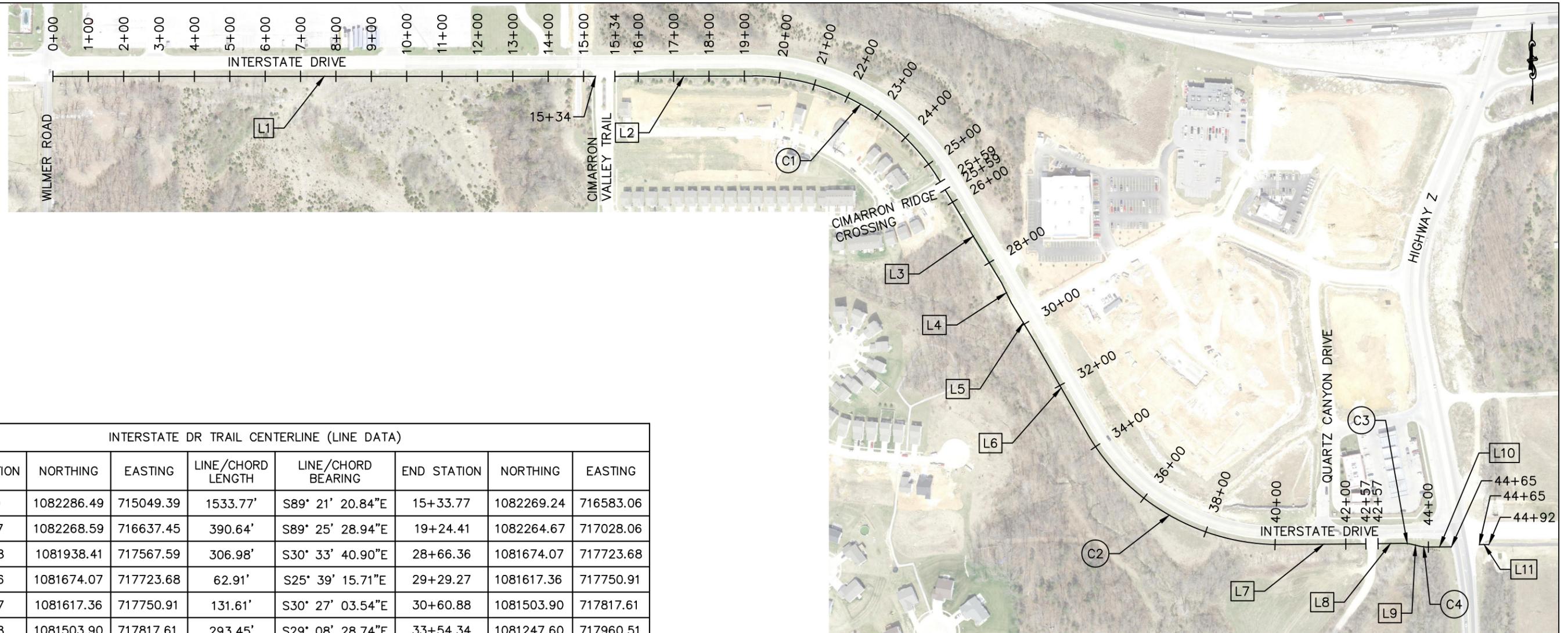
*Gregory Wallace*  
GREGORY JOSEPH WALLACE  
NUMBER PE-2013000649  
PROFESSIONAL ENGINEER  
6-25-17

CITY OF WENTZVILLE  
PUBLIC WORKS DEPARTMENT  
200 E. FOURTH STREET  
WENTZVILLE, MISSOURI 63385  
PHONE (636) 639-2049  
FAX (636) 639-2057

DESIGNED BY: GJW  
DRAWN BY: GJW  
CHECKED BY: DAD  
APPROVED BY: GJW  
SCALE: NOT TO SCALE  
DATE: 08/25/17  
WNTZ PROJECT NO.: 2016-006

INTERSTATE DRIVE  
MULTI-USE TRAIL  
TRAFFIC CONTROL DETAILS  
SHEET NUMBER: 21  
TOTAL SHEETS: 24

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INTERSTATE DR TRAIL CENTERLINE (LINE DATA)

NUMBER	BEGIN STATION	NORTHING	EASTING	LINE/CHORD LENGTH	LINE/CHORD BEARING	END STATION	NORTHING	EASTING
L1	0+00.00	1082286.49	715049.39	1533.77'	S89° 21' 20.84"E	15+33.77	1082269.24	716583.06
L2	15+33.77	1082268.59	716637.45	390.64'	S89° 25' 28.94"E	19+24.41	1082264.67	717028.06
L3	25+59.38	1081938.41	717567.59	306.98'	S30° 33' 40.90"E	28+66.36	1081674.07	717723.68
L4	28+66.36	1081674.07	717723.68	62.91'	S25° 39' 15.71"E	29+29.27	1081617.36	717750.91
L5	29+29.27	1081617.36	717750.91	131.61'	S30° 27' 03.54"E	30+60.88	1081503.90	717817.61
L6	30+60.88	1081503.90	717817.61	293.45'	S29° 08' 28.74"E	33+54.34	1081247.60	717960.51
L7	40+18.41	1080926.57	718506.90	238.22'	S89° 52' 01.74"E	42+56.63	1080926.01	718745.12
L8	42+56.63	1080925.91	718779.54	70.72'	N89° 43' 11.14"E	43+27.35	1080926.26	718850.27
L9	43+51.56	1080923.45	718874.25	23.22'	S76° 23' 47.02"E	43+74.78	1080917.99	718896.82
L10	43+98.29	1080915.19	718920.10	66.97'	S89° 52' 01.74"E	44+65.25	1080915.03	718987.07
L11	44+65.25	1080920.28	719065.85	26.89'	N90° 00' 00.00"E	44+92.14	1080920.28	719092.74

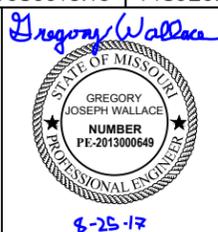
INTERSTATE DR TRAIL CENTERLINE (CURVE DATA)

NUMBER	BEGIN STATION	NORTHING	EASTING	LINE/CHORD LENGTH	LINE/CHORD BEARING	END STATION	NORTHING	EASTING	P.I. STATION	NORTHING	EASTING	DELTA	DEGREE OF CURVE (ARC)	TANGENT	ARC LENGTH	RADIUS
C1	19+24.41	1082264.67	717377.00	607.23'	S59° 58' 28.19"E	25+59.38	1081960.82	717553.81	22+73.35	1082261.656	717377.00	59°03'38"	9°18'05"	348.95'	634.97'	616.00'
C2	33+54.34	1081247.60	718140.23	633.72'	S59° 33' 48.98"E	40+18.41	1080926.57	718506.90	37+21.01	1080927.993	718140.23	60°25'37"	9°05'58"	366.67'	664.07'	629.66'
C3	43+27.35	1080926.26	718862.43	24.15'	S83° 20' 17.94"E	43+51.56	1080923.45	718874.25	43+39.52	1080926.315	718862.43	13°53'02"	57°21'25"	12.16'	24.21'	99.89'
C4	43+74.78	1080917.99	718908.29	23.46'	S83° 07' 54.38"E	43+98.29	1080915.19	718920.10	43+86.59	1080915.215	718908.29	13°28'15"	57°17'45"	11.81'	23.51'	100.00'

NO.	DATE	BY	REVISION

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**CITY OF WENTZVILLE**  
 PUBLIC WORKS DEPARTMENT  
 200 E. FOURTH STREET  
 WENTZVILLE, MISSOURI 63385  
 PHONE (636) 639-2049  
 FAX (636) 639-2057

DESIGNED BY: GJW  
 DRAWN BY: PJM  
 CHECKED BY: DAD  
 APPROVED BY: GJW

SCALE: 1" = 300'  
 DATE: 08/25/17  
 WNTZ PROJECT NO.: 2016-006

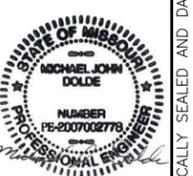
INTERSTATE DRIVE  
 MULTI-USE TRAIL  
 COORDINATE POINTS

SHEET NUMBER: 22  
 TOTAL SHEETS: 24

**GENERAL NOTES:**

1. THE INSTALLATION OF THE TRAFFIC SIGNALS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, CURRENT EDITION.
2. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483).
3. TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND MISSOURI DEPARTMENT OF TRANSPORTATION STANDARDS.
4. DIRECTIONAL BORING MAY BE USED INSTEAD OF TRENCHING OR PUSHING CONDUIT, HOWEVER, NO ADDITIONAL PAYMENT WILL BE MADE.
5. THE TRAFFIC SIGNAL CONSTRUCTION SHALL BE COORDINATED WITH THE ROADWAY CONSTRUCTION.
6. REFER TO THE ROADWAY PLANS FOR STRIPING AND SIGNING EXCEPT FOR SIGNS MOUNTED ON SIGNAL EQUIPMENT.
7. ALL PEDESTRIAN FACILITIES MUST COMPLY TO CURRENT ADA STANDARDS.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR FOR THE CITY OF WENTZVILLE A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
9. SEE ROADWAY SHEETS FOR STRIPING AND CURB RAMP DETAILS.

Corporate Engineering  
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED  
**8/4/17**

ROUTE STATE  
MO

DISTRICT SHEET NO.  
SL T1

COUNTY  
ST CHARLES

JOB NO.  
101-16

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

5/31/17 1st SUBMITTAL

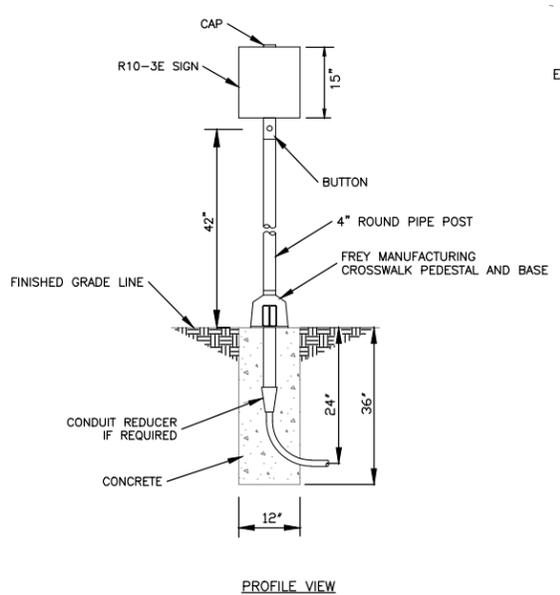
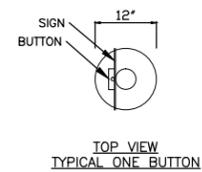
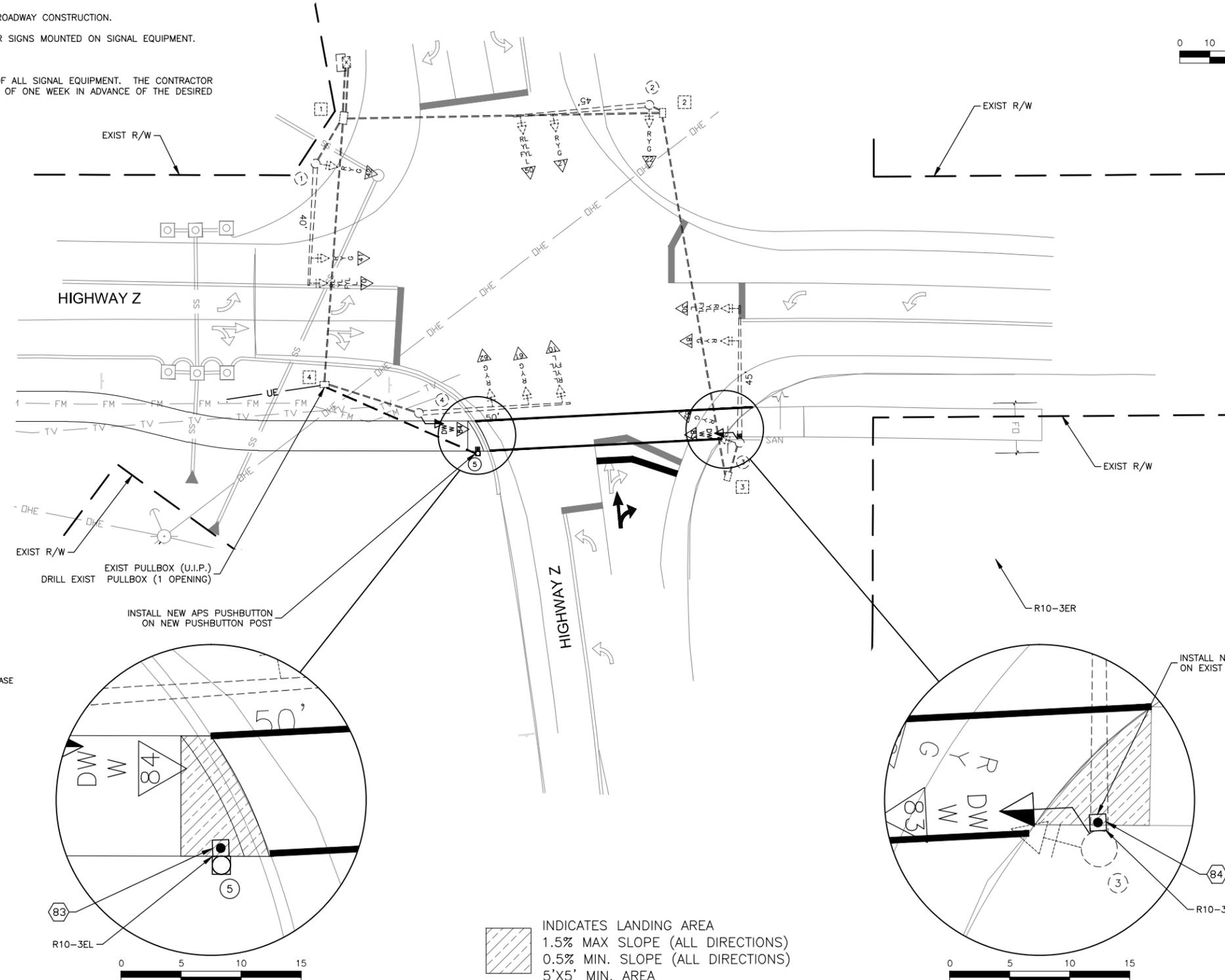
8/4/17 2nd SUBMITTAL

TRANSPORTATION ENGINEERS+PLANNERS

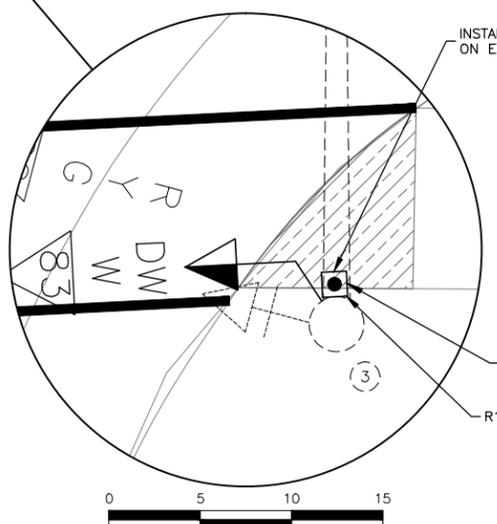
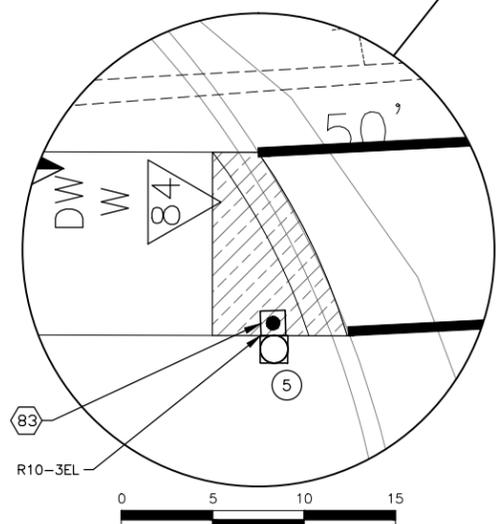
12400 OLIVE BLVD. SUITE 430  
ST. LOUIS, MO 63141  
(314) 878-6644

450 COTTONWOOD RD. SUITE B  
GLEN CARBON, IL 62034  
(618) 656-2612  
www.cbtraffic.com

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



**PUSHBUTTON POST AND BASE**  
(TYP)(N.T.S.)



INDICATES LANDING AREA  
1.5% MAX SLOPE (ALL DIRECTIONS)  
0.5% MIN. SLOPE (ALL DIRECTIONS)  
5'X5' MIN. AREA

TRAFFIC SIGNAL PLAN  
MO HWY Z & INTERSTATE DR  
WENTZVILLE, MO

