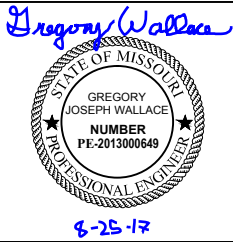


REMOVAL OF IMPROVEMENTS – 1 LUMP SUM				
SHEET	FROM STA	TO STA	DESCRIPTION	QUANTITY
5	0+00		CURB REMOVAL	11.2 LF
5	0+00		SAW CUT (ANY DEPTH / MATERIAL)	11.2 LF
6	11+99.70	14+82.69	CONCRETE PAVEMENT REMOVAL	125.2 SY
6	14+82.69	14+93.24	ASPHALT REMOVAL	4.6 SY
6	14+93.24	15+33.77	CONCRETE PAVEMENT REMOVAL	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

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	INTERSTATE DRIVE MULTI-USE TRAIL	SHEET NUMBER
DRAWN BY: PJM	DATE: 08/25/17		2
CHECKED BY: DAD	WNTZ PROJECT NO.: 2016-006		TOTAL SHEETS
APPROVED BY: GJW		QUANTITIES	24


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

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

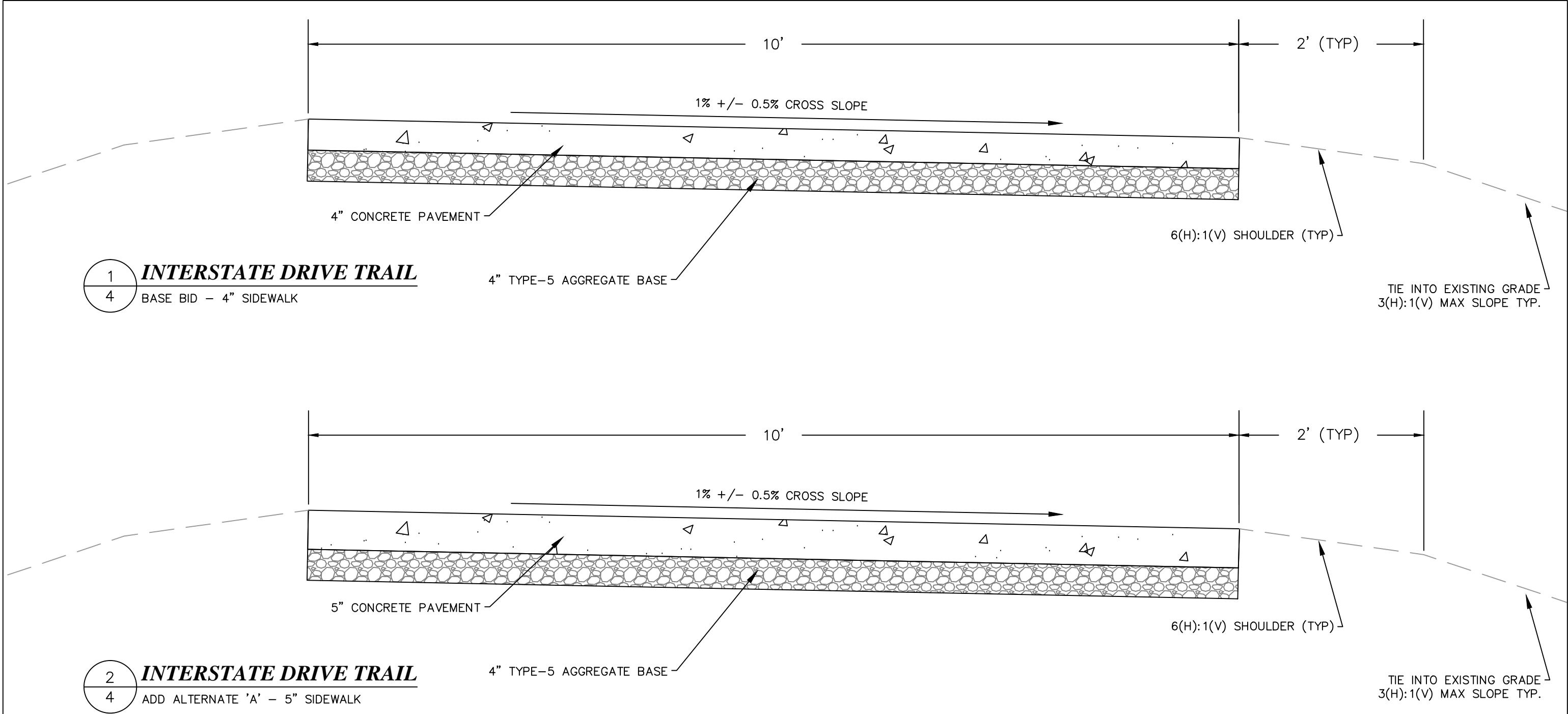
SIDEWALK & CURB RAMPS						
SHEET	FROM STA	TO STA	4” THICK, TYPE 5 AGGREGATE BASE (SY)	CONCRETE SIDEWALK, 4” THICK (SY)	CONCRETE CURB RAMP, 7” THICK (SY)	TRUNCATED DOME FOR CURB RAMPS (SF)
10	0+00.00	0+10.02	8.7		8.7	22.6
10–12	0+10.03	14+77.32	1630.3	1630.3		
12	14+75.32	14+77.32				20.0
12	14+92.32	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

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	


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

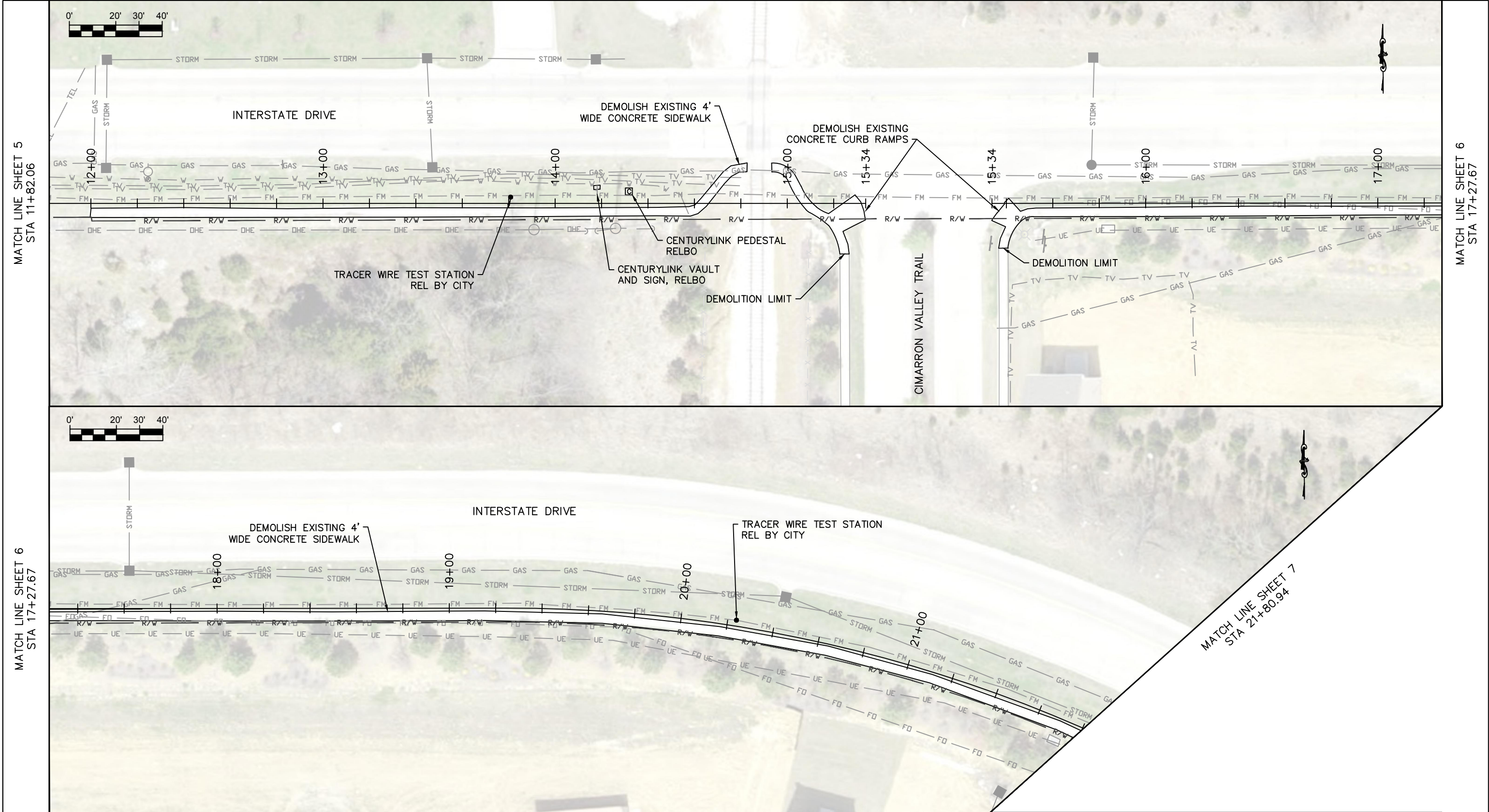
NO.	DATE	BY	REVISION	<div>UTILITY NOTES</div> <div>UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</div>	<div></div> <div>8-25-17</div>	CITY OF WENTZVILLE PUBLIC WORKS DEPARTMENT 200 E. FOURTH STREET WENTZVILLE, MISSOURI 63385 PHONE (636) 639–2049 FAX (636) 639–2057	DESIGNED BY:	SCALE:	INTERSTATE DRIVE MULTI–USE TRAIL	SHEET NUMBER	
							NONE	3			
										DATE:	08/25/17
										CHECKED BY:	
							APPROVED BY:	2016–006			

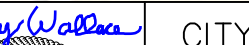
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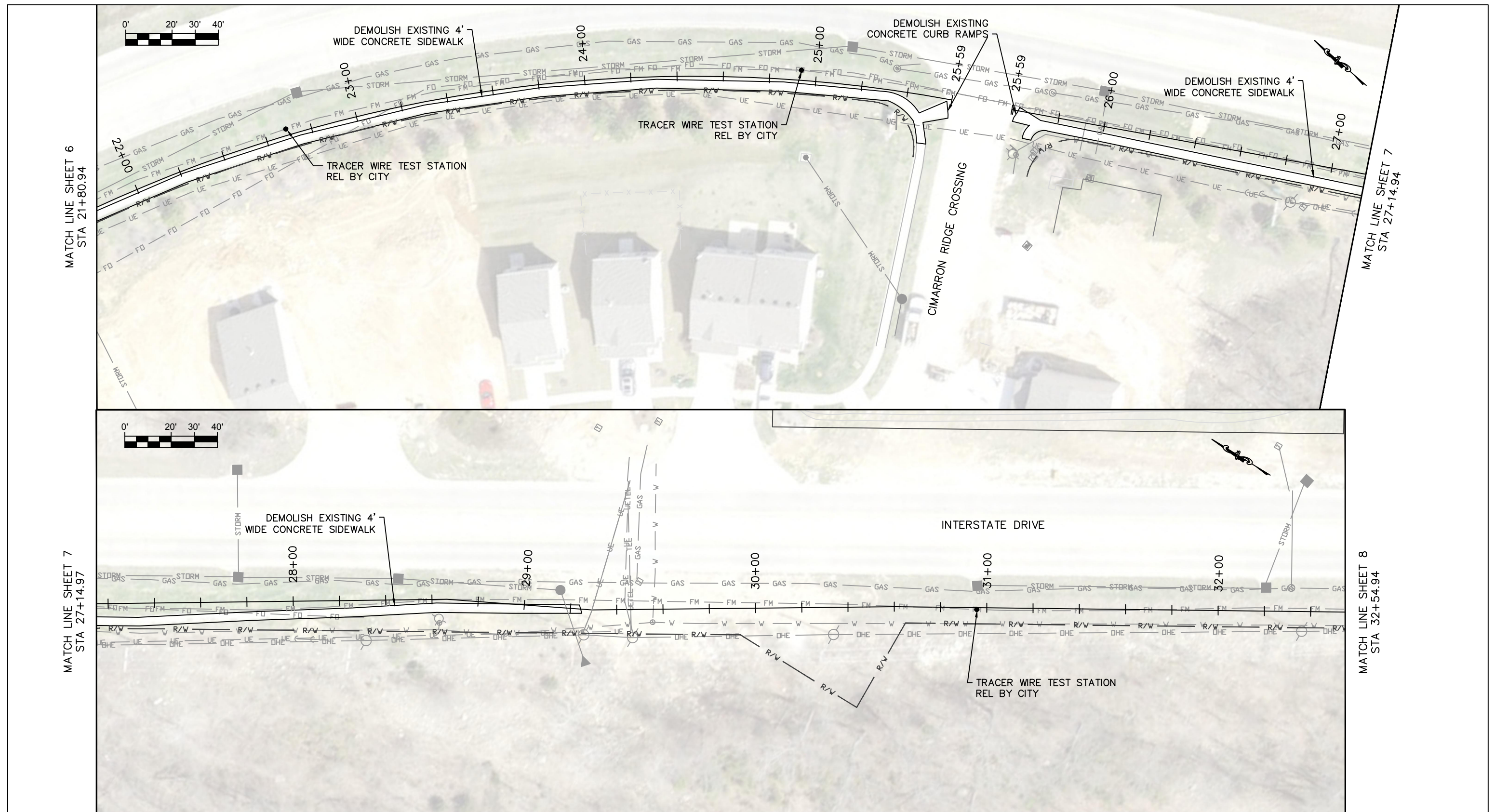


- CROSS SECTION NOTES:**
- 1. TRANSVERSE JOINTS SHALL BE SPACED EVERY 10' AND MADE BY SAW CUT ONLY.
 - 2. EXPANSION JOINTS SHALL BE PLACED EVERY 50' ON A TRANSVERSE JOINT AND AT EVERY ROAD APPROACH.

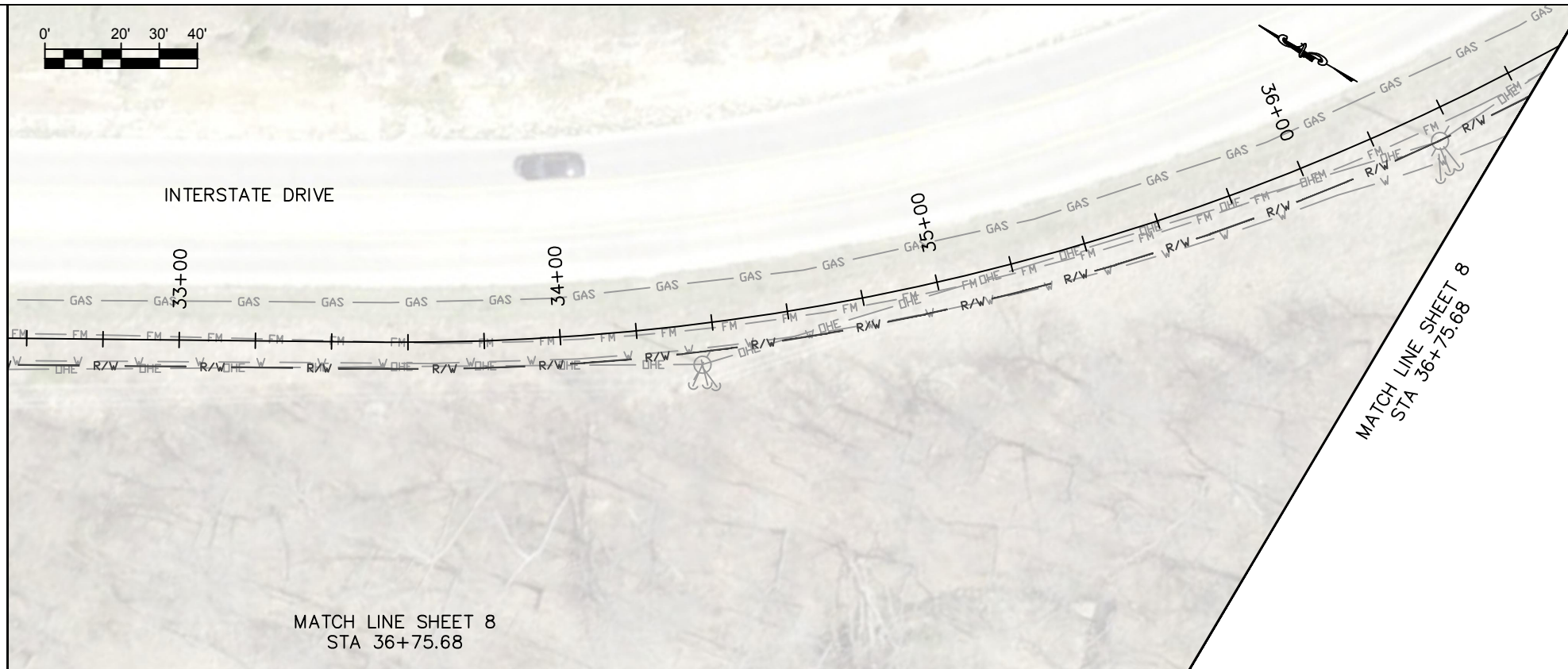
NO.	DATE	BY	REVISION	UTILITY NOTES		<div><i>Gregory Wallace</i></div> <div></div>	CITY OF WENTZVILLE		DESIGNED BY:	SCALE:	INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER
				UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.			PUBLIC WORKS DEPARTMENT 200 E. FOURTH STREET WENTZVILLE, MISSOURI 63385		GJW	NONE			4
									DRAWN BY:	DATE:	08/25/17	WNTZ PROJECT NO.: 2016-006	TOTAL SHEETS
									CHECKED BY:				24
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									APPROVED BY:	GJW			



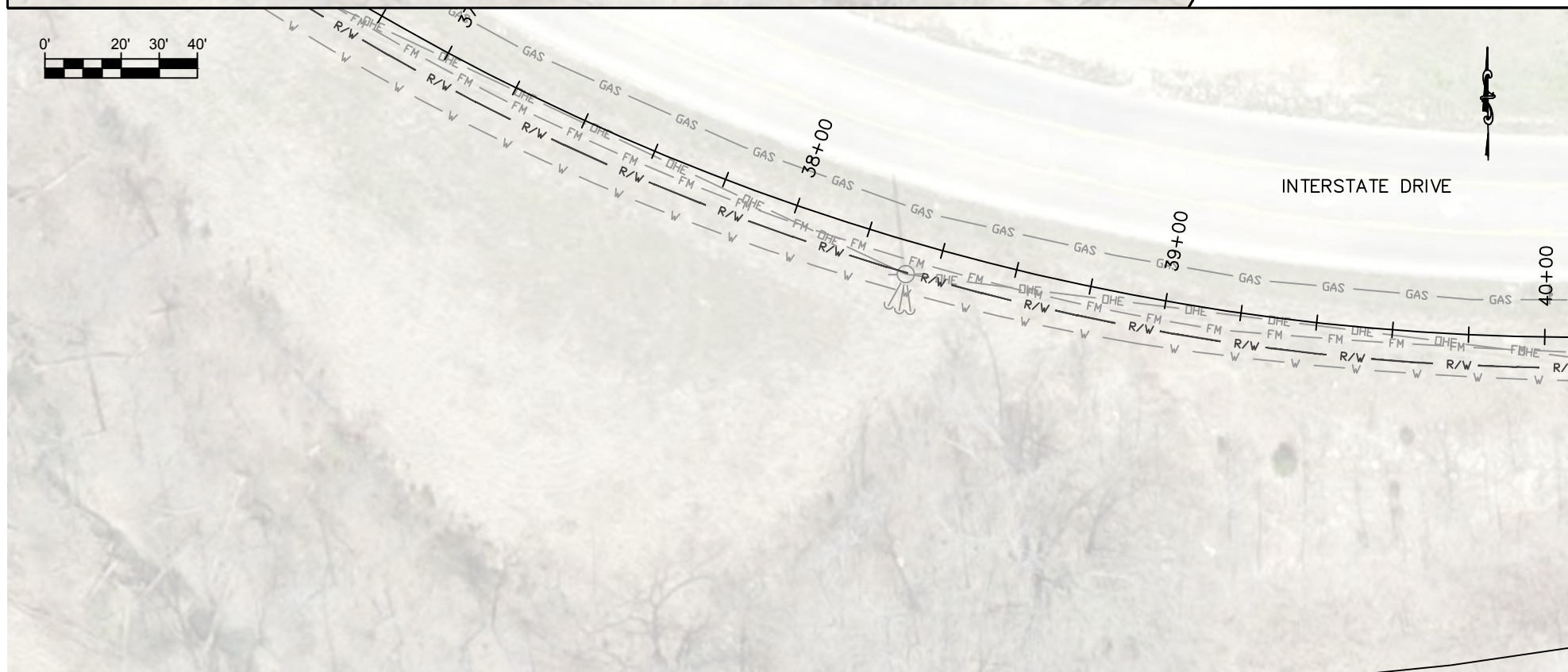
NO. DATE BY REVISION				UTILITY NOTES		CITY OF WENTZVILLE PUBLIC WORKS DEPARTMENT 200 E. FOURTH STREET WENTZVILLE, MISSOURI 63385 PHONE (636) 639-2049 FAX (636) 639-2057	DESIGNED BY:	SCALE:	INTERSTATE DRIVE MULTI-USE TRAIL DEMOLITION PLAN		SHEET NUMBER
							GJW	1" = 40'			6
							DAD	DATE:			TOTAL SHEETS
							DAD	08/25/17			24
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							GJW	2016-006			



MATCH LINE SHEET 7
STA 32+54.94



MATCH LINE SHEET 8
STA 36+75.68



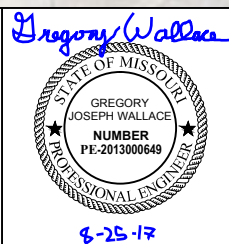
MATCH LINE SHEET 9
STA 40+10.50

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CITY OF WENTZVILLE

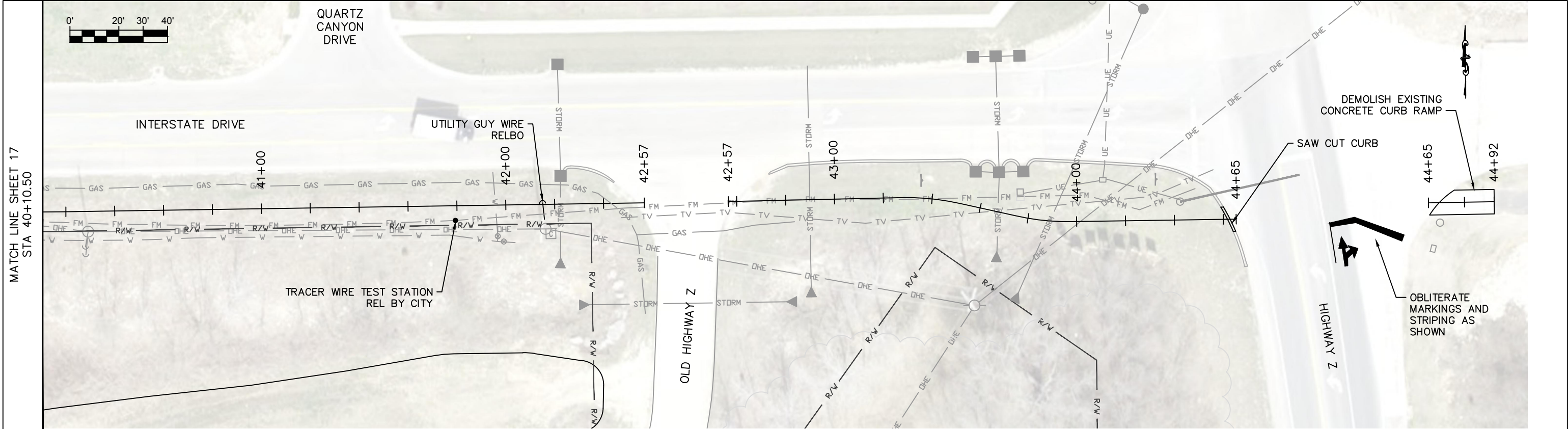
PUBLIC WORKS DEPARTMENT
200 E. FOURTH STREET
WENTZVILLE, MISSOURI 63385

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

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

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

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

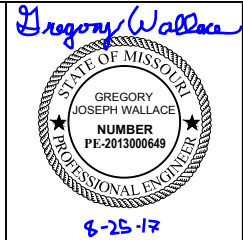


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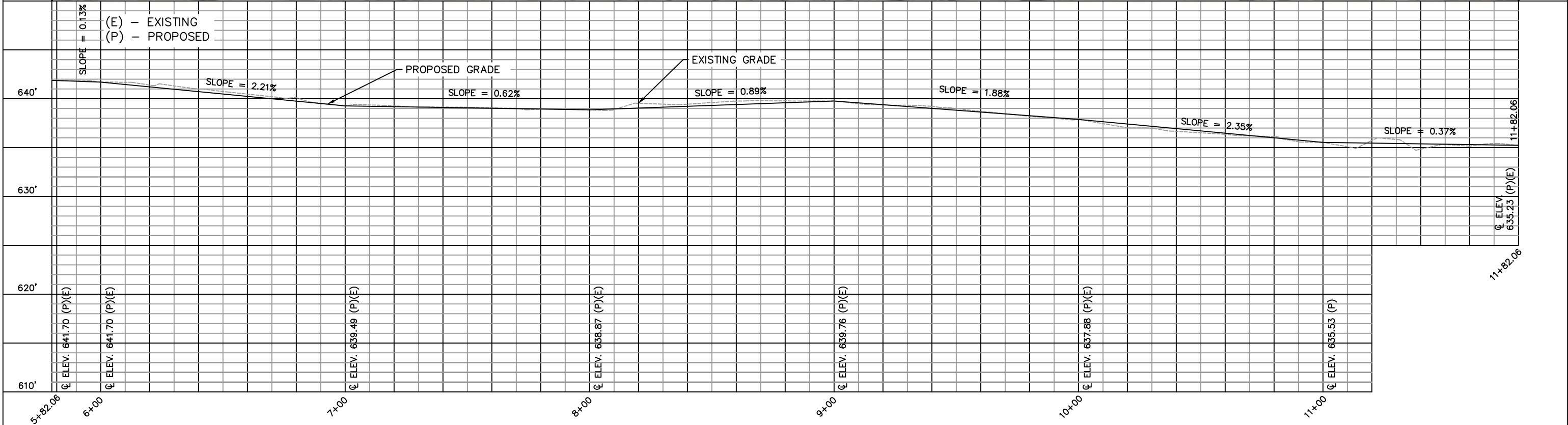
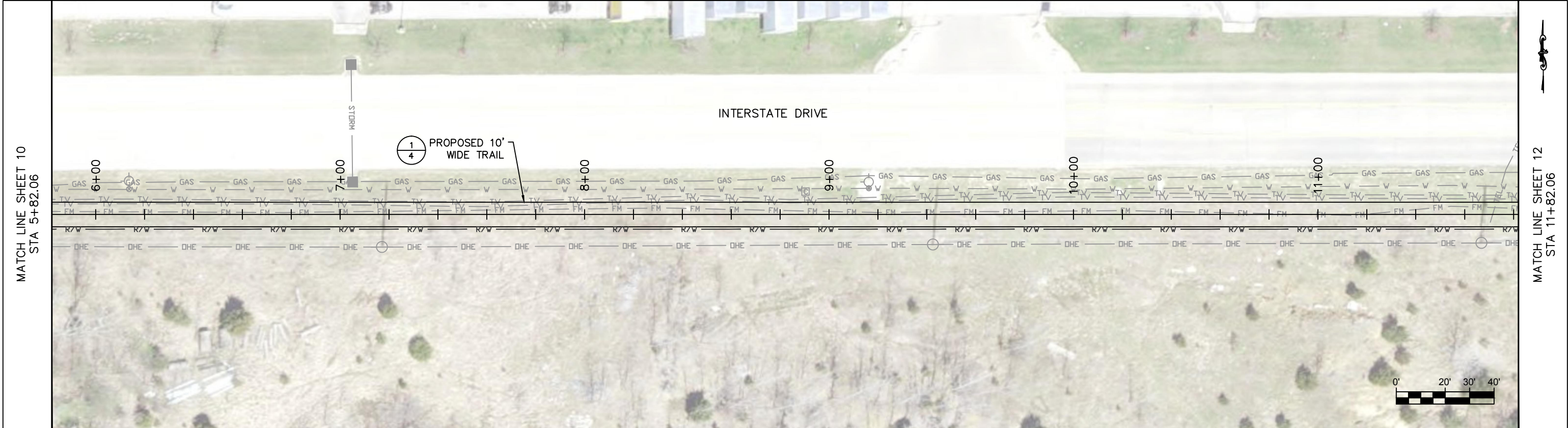
CITY OF WENTZVILLE

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

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

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

INTERSTATE DRIVE MULTI-USE TRAIL	SHEET NUMBER
	9
DEMOLITION PLAN	TOTAL SHEETS
	24



NO.	DATE	BY	REVISION

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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
FAX (636) 639-2057

DESIGNED BY:
GJW

DRAWN BY:
BCM

CHECKED BY:
DAD

APPROVED BY:
GJW

SCALE:
1" = 40'

DATE:
08/25/17

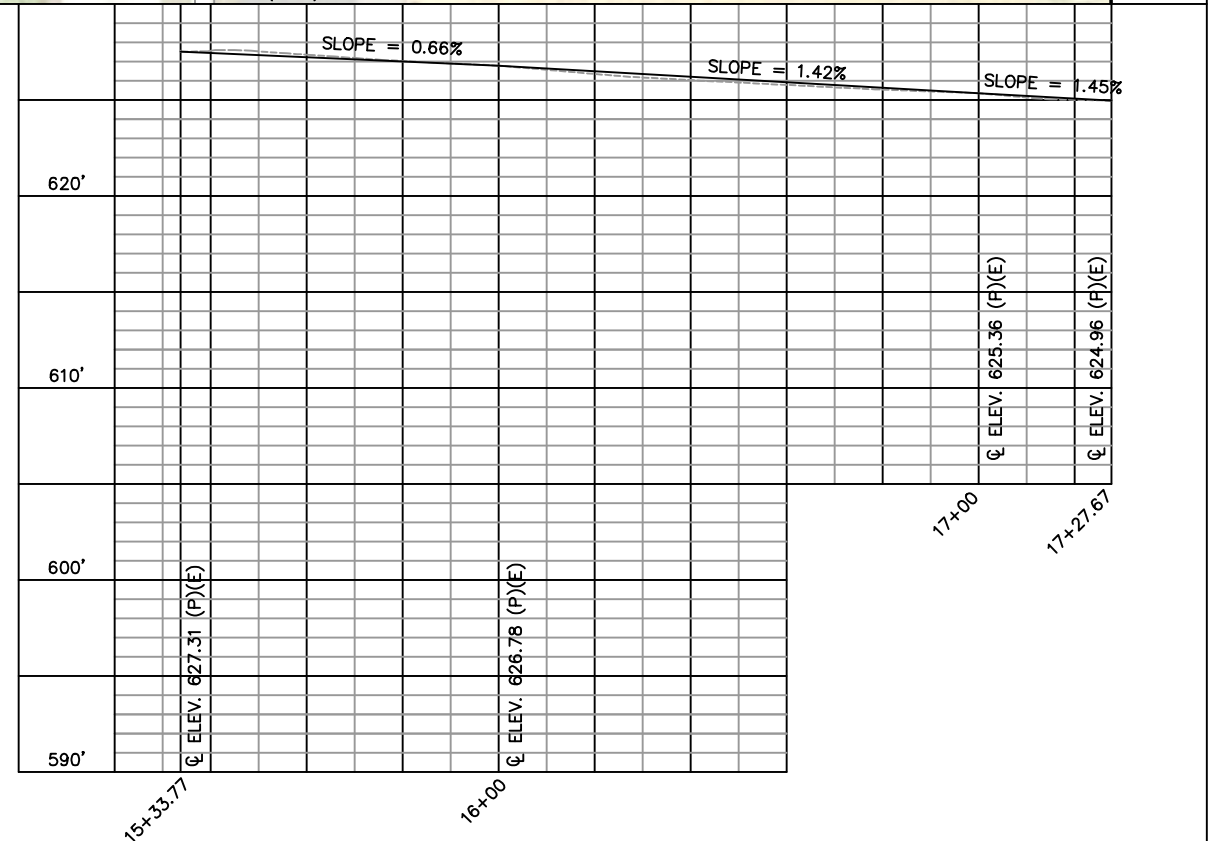
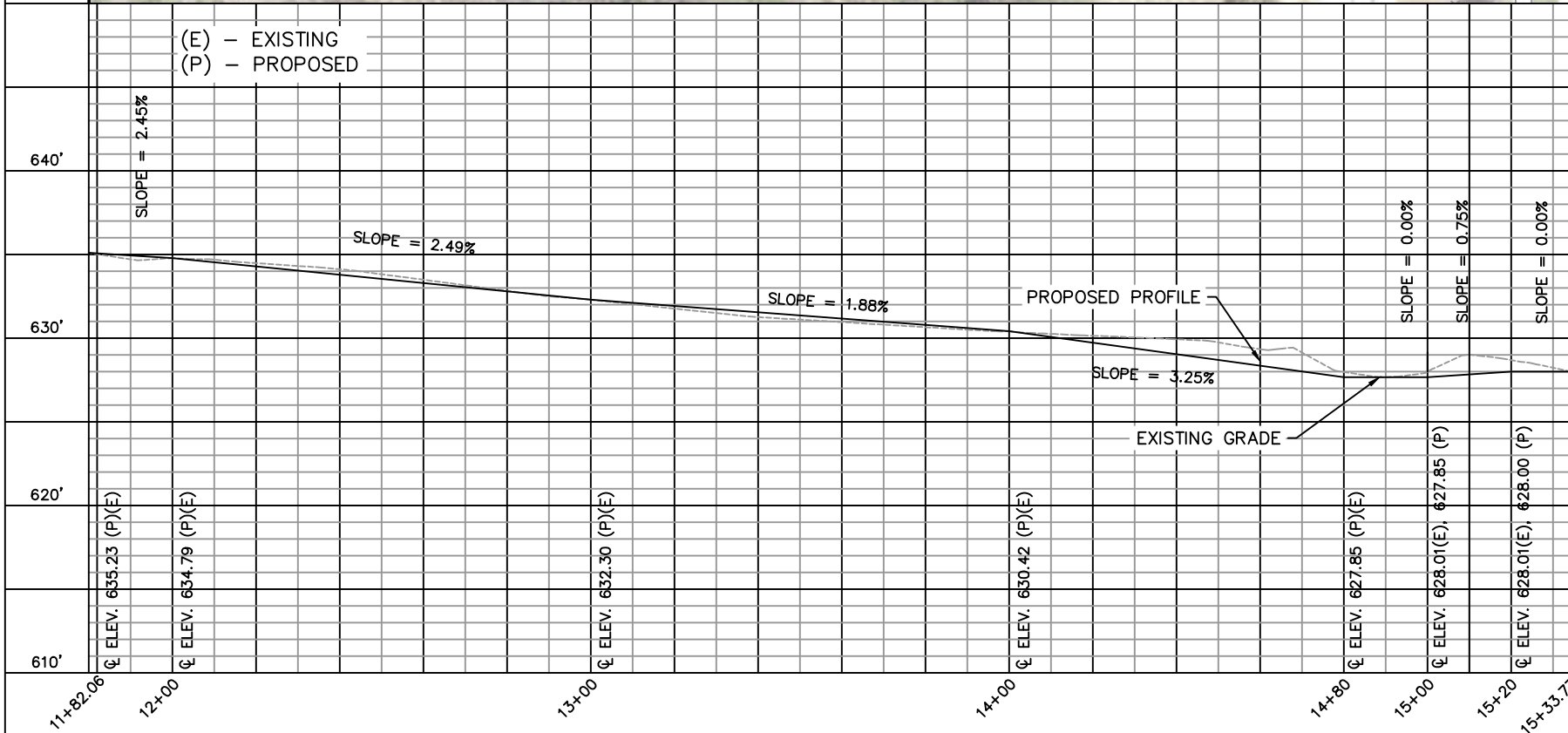
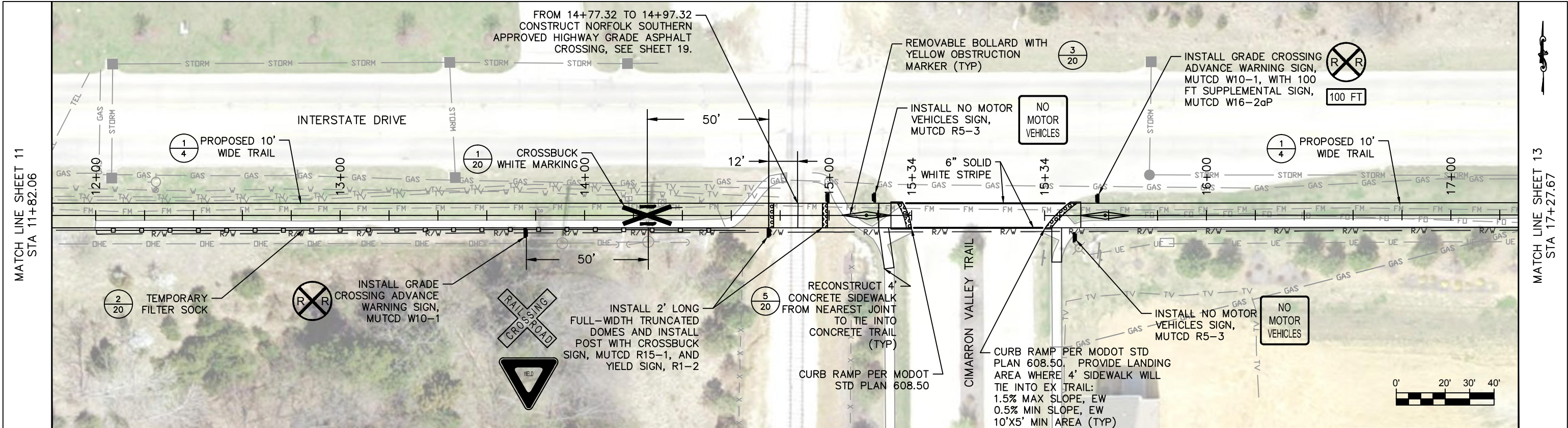
WNTZ PROJECT NO.:
2016-006

INTERSTATE DRIVE
MULTI-USE TRAIL

PLAN & PROFILE

SHEET
NUMBER
11

TOTAL
SHEETS
24

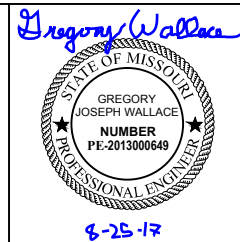


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CITY OF WENTZVILLE

PUBLIC WORKS DEPARTMENT

200 E. FOURTH STREET

WENTZVILLE, MISSOURI 63385

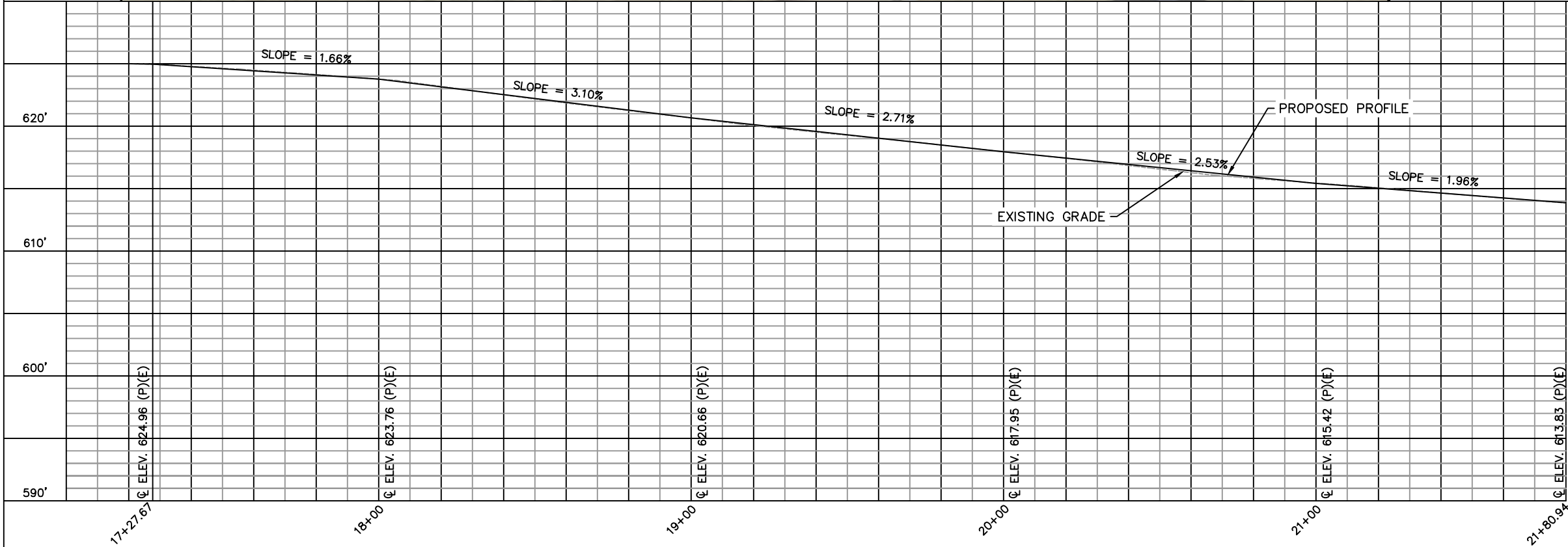
PHONE (636) 639-2049

FAX (636) 639-2057

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

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

INTERSTATE DRIVE MULTI-USE TRAIL	SHEET NUMBER 12
PLAN & PROFILE	TOTAL SHEETS 24



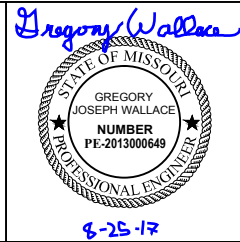
(E) - EXISTING
(P) - PROPOSED

NO.	DATE	BY	REVISION

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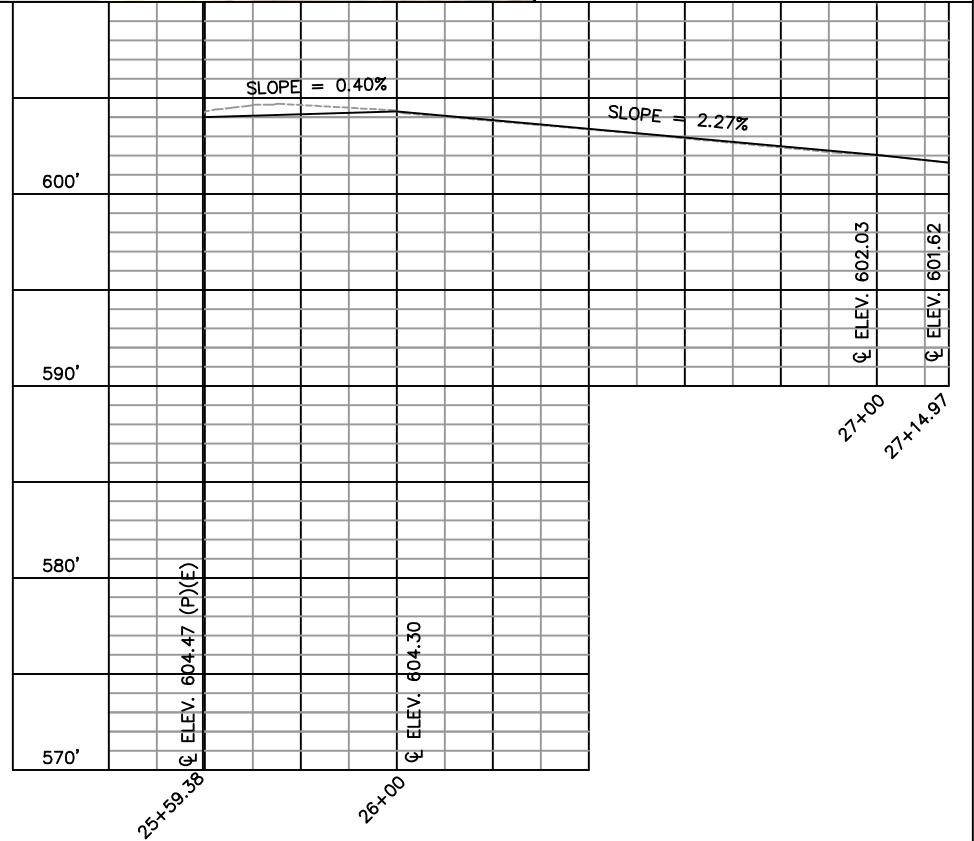
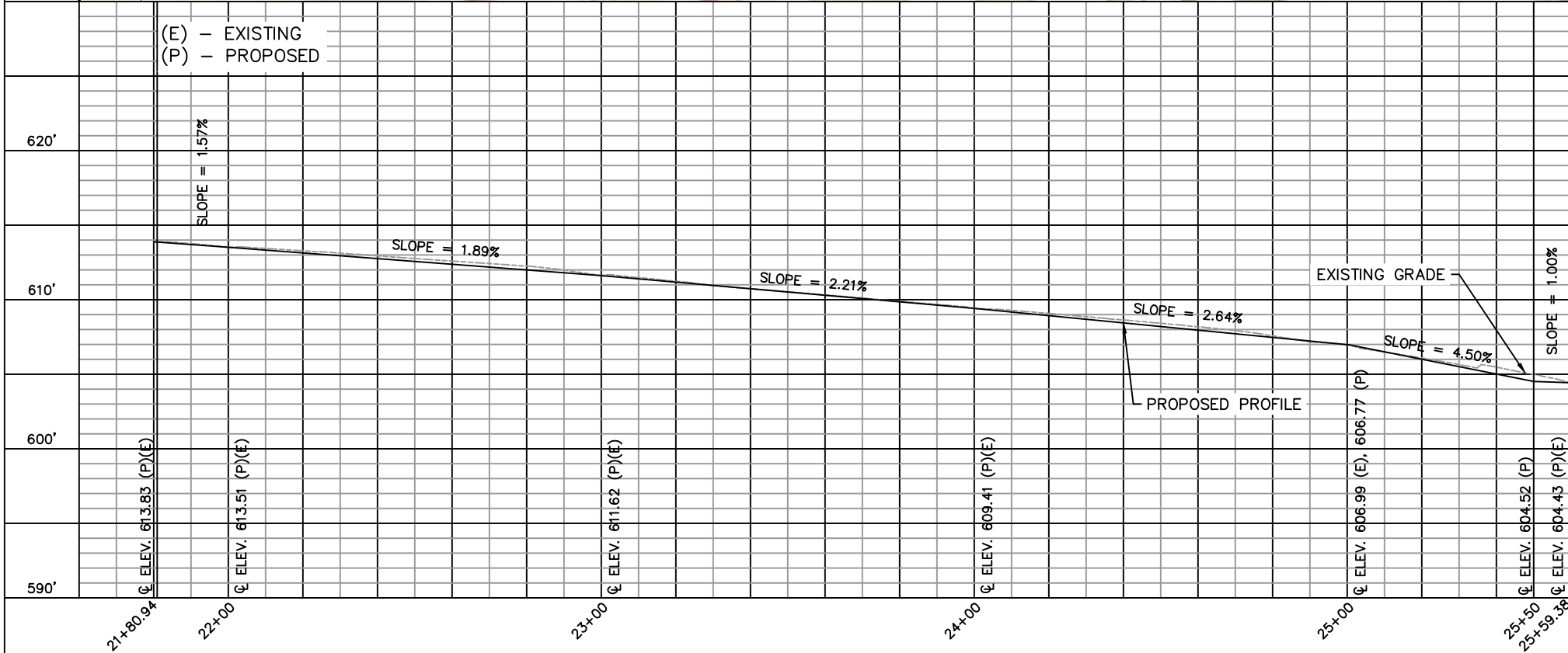
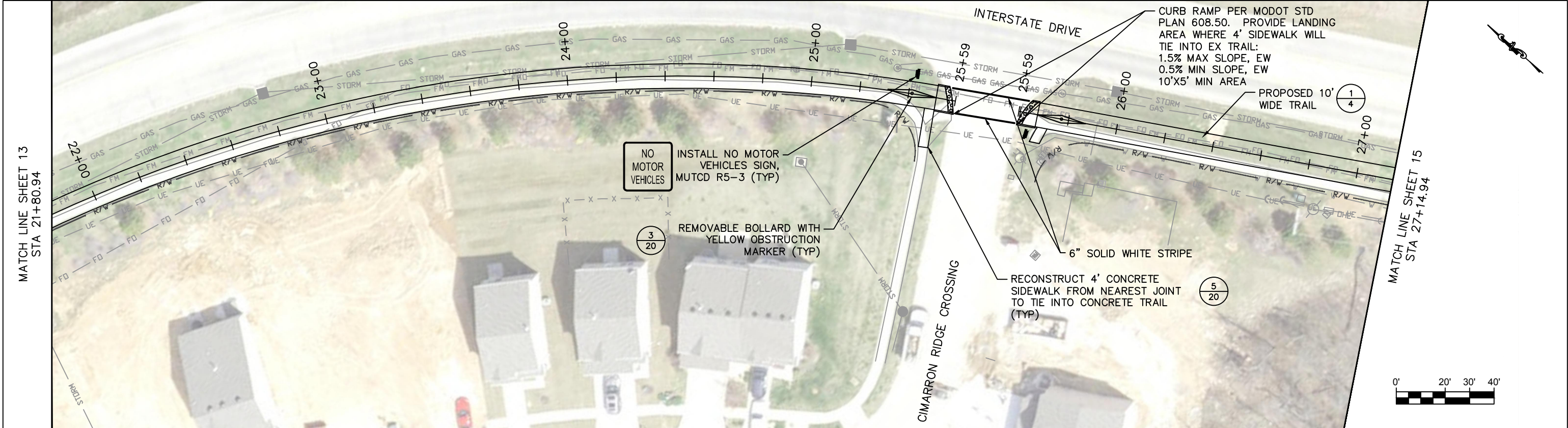
CITY OF WENTZVILLE

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200 E. FOURTH STREET
WENTZVILLE, MISSOURI 63385

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

DESIGNED BY: GJW	SCALE: 1" = 40'
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
	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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Gregory Wallace

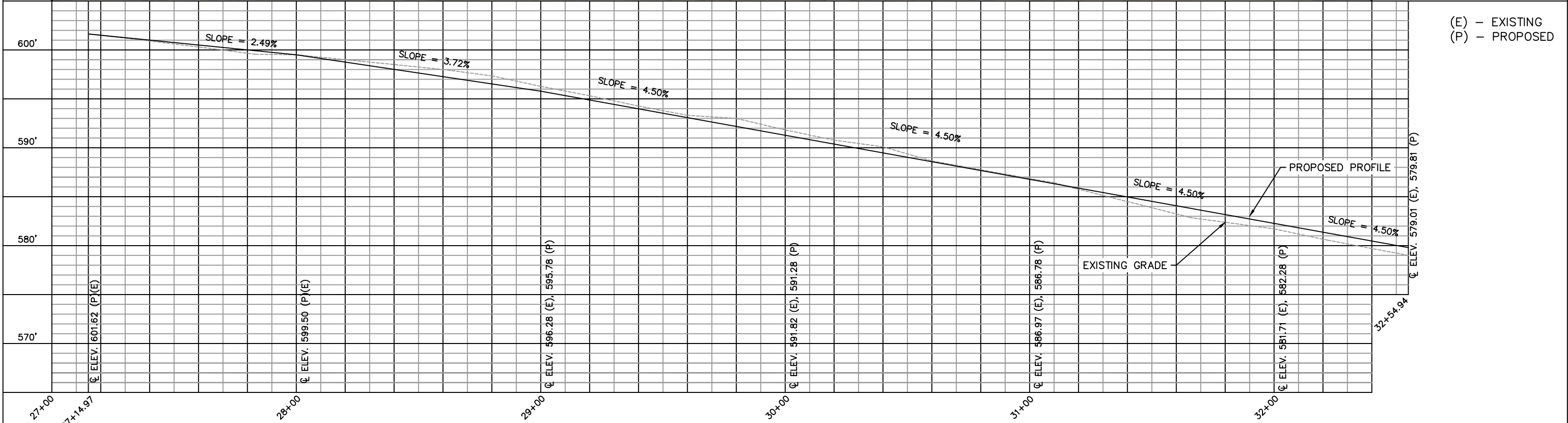
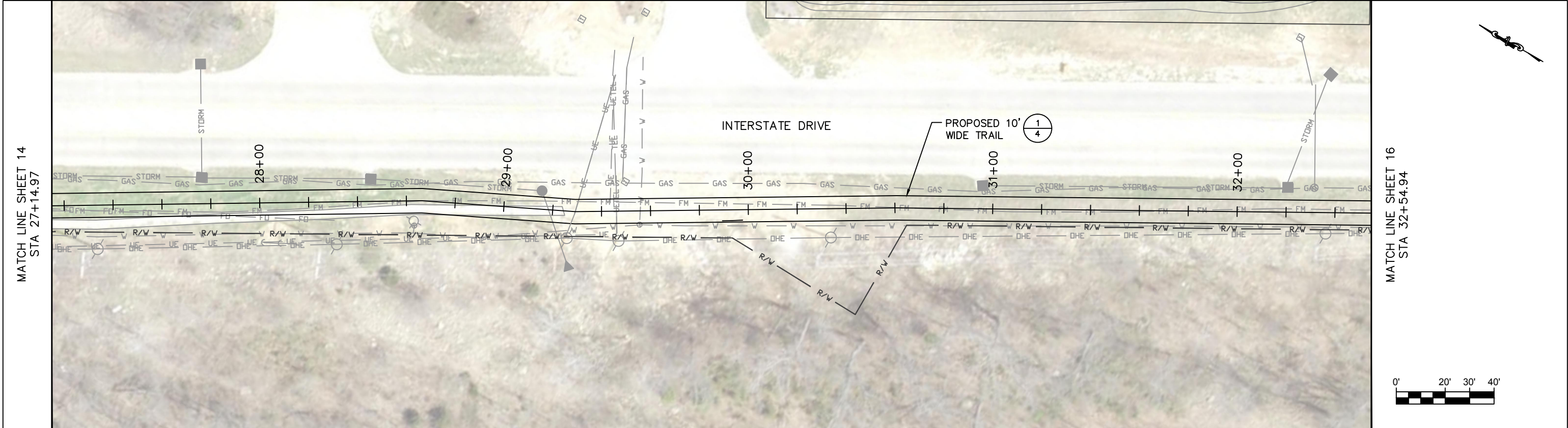
STATE OF MISSOURI
GREGORY JOSEPH WALLACE
NUMBER
PE-2013000649
PROFESSIONAL ENGINEER
11-15-12

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:
BCM
CHECKED BY:
DAD
APPROVED BY:
GJW

SCALE:
1" = 40'
DATE:
11/15/17
WNTZ PROJECT NO.:
2016-006

INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER
PLAN & PROFILE		14
TOTAL SHEETS		24



NO.	DATE	BY	REVISION

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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

FAX (636) 639-2057

DESIGNED BY:
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SCALE:
1" = 40'

DATE:
08/25/17

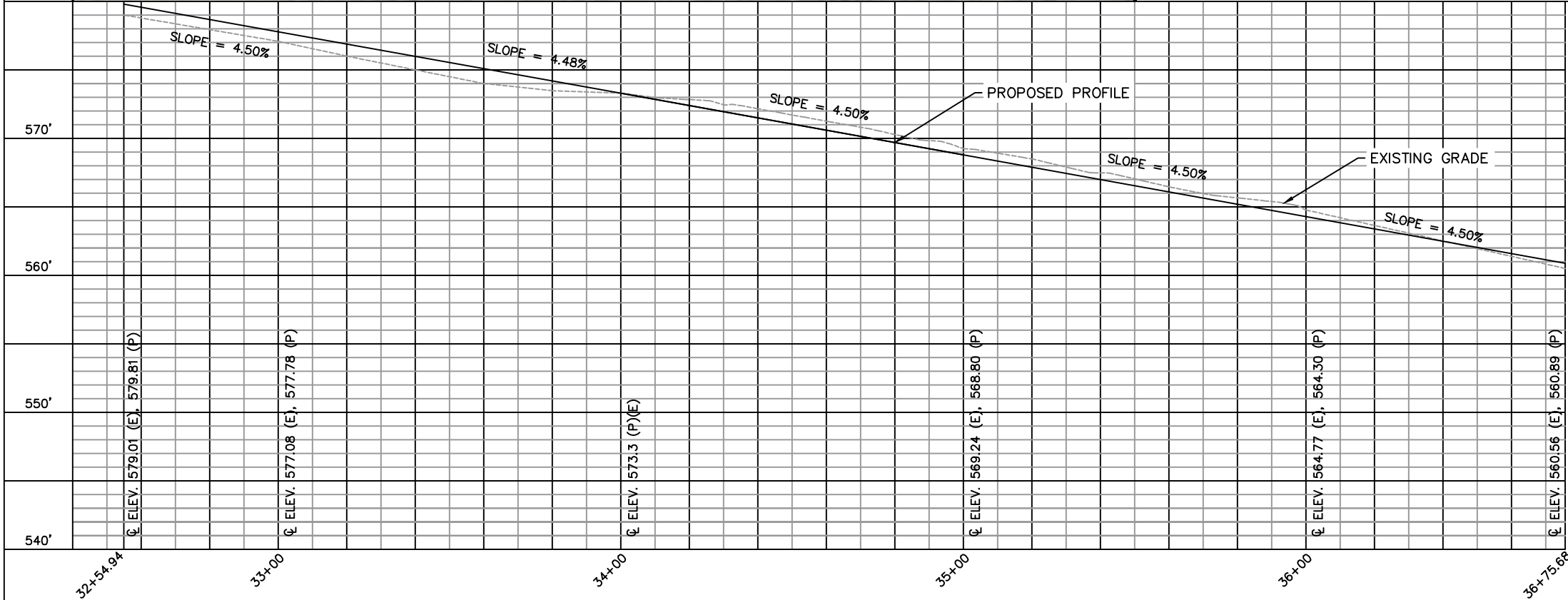
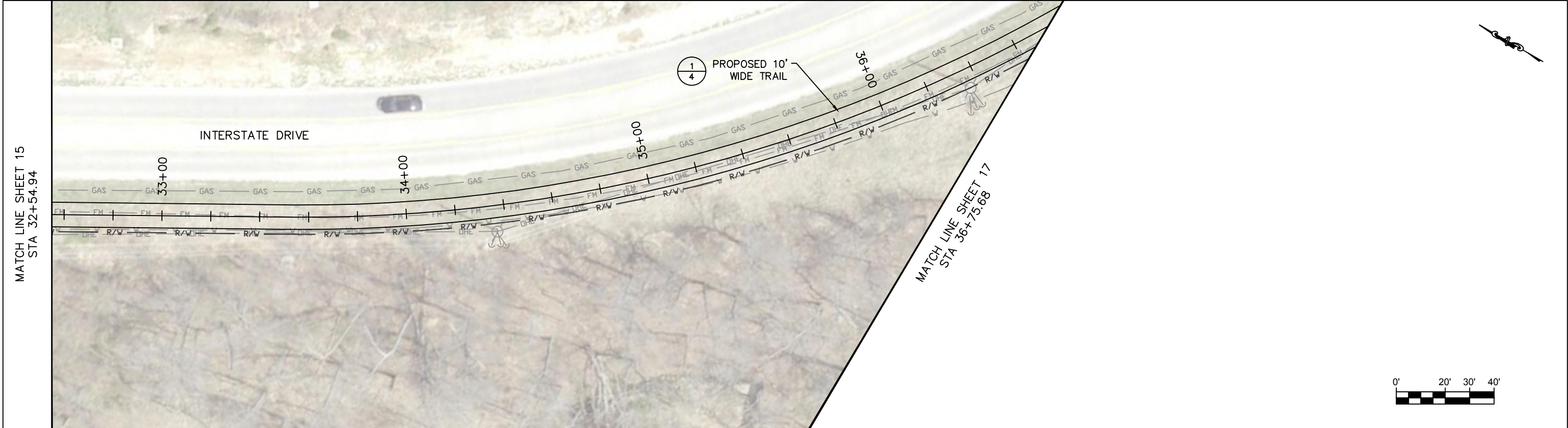
WNTZ PROJECT NO.:
2016-006

INTERSTATE DRIVE
MULTI-USE TRAIL

PLAN & PROFILE

SHEET
NUMBER
15

TOTAL
SHEETS
24



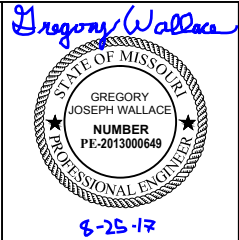
(E) – EXISTING
(P) – PROPOSED

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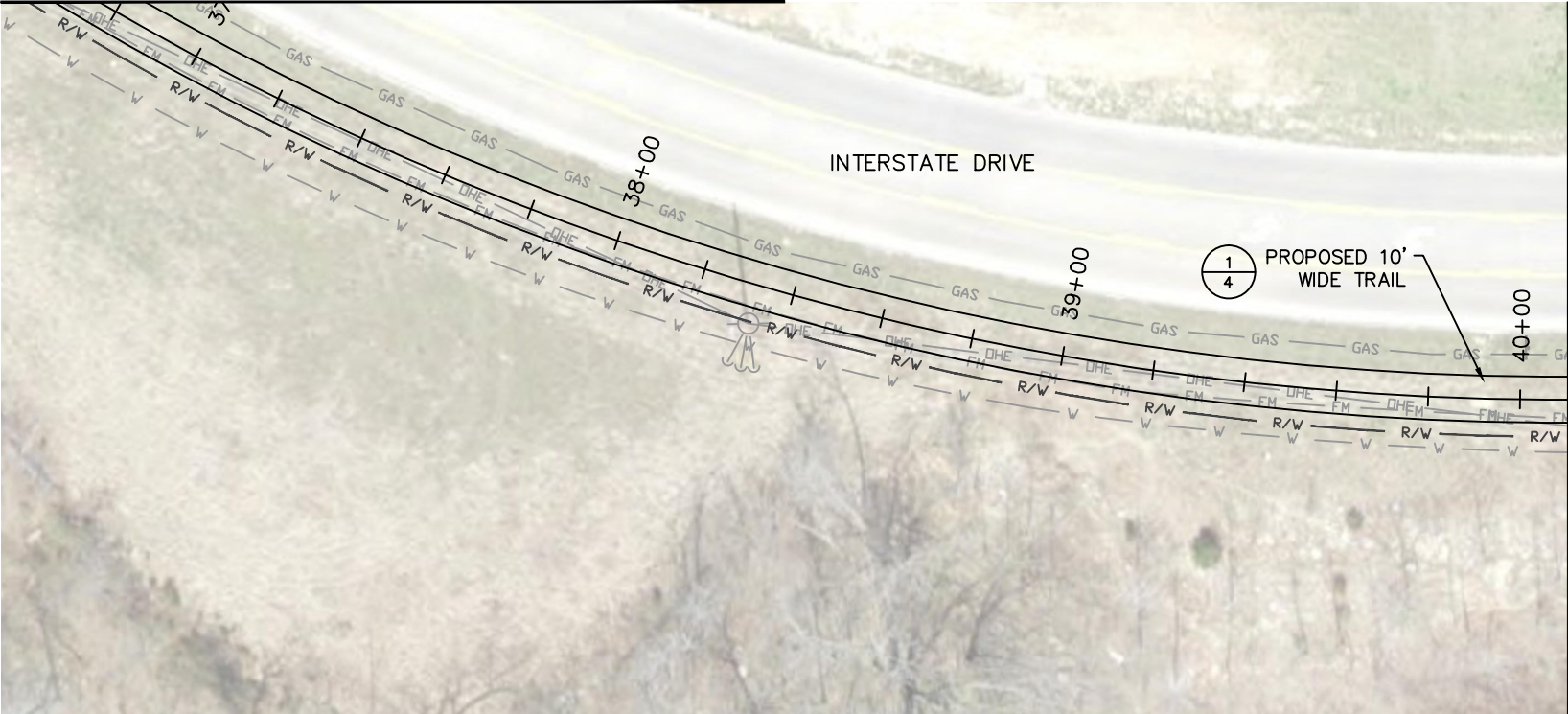


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CHECKED BY: DAD	WNTZ PROJECT NO.: 2016-006
APPROVED BY: GJW	

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

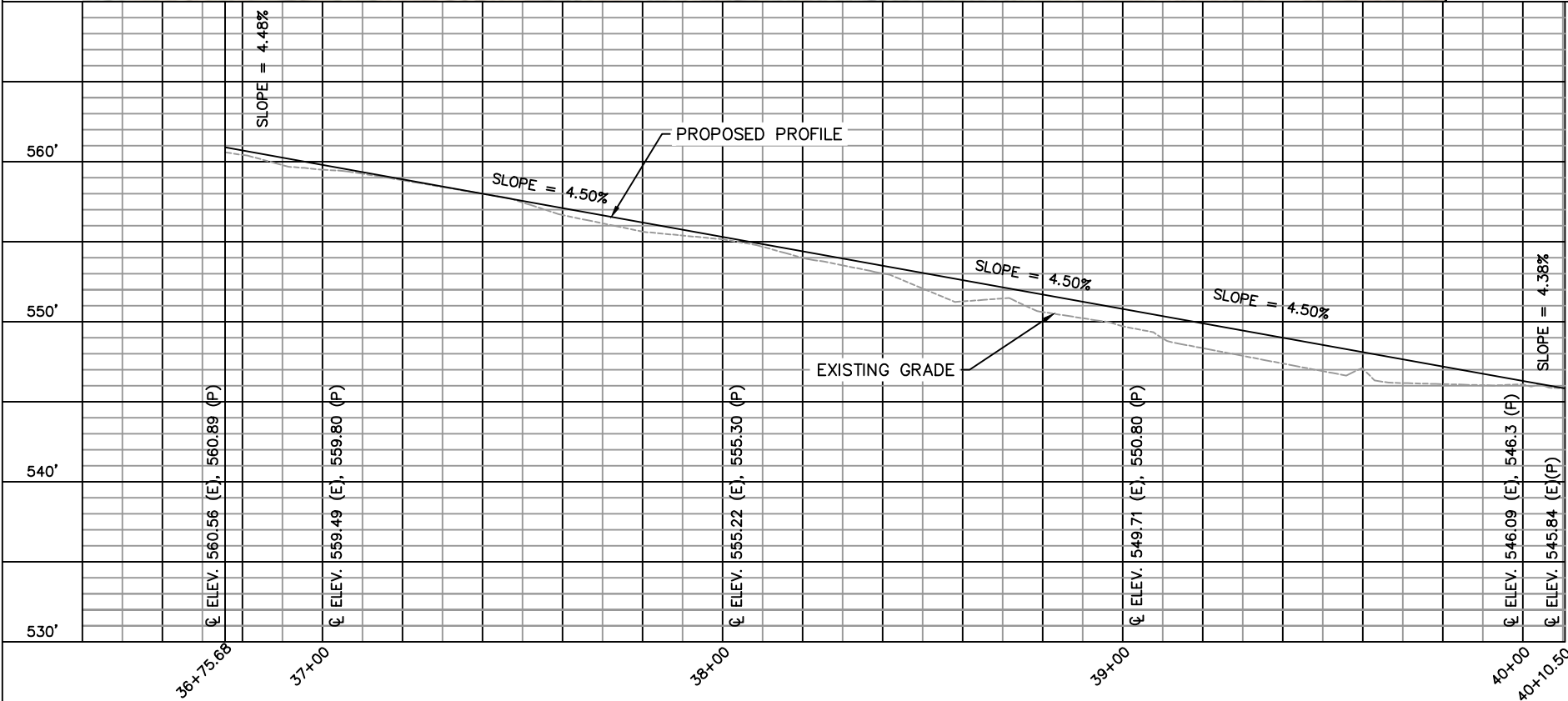
MATCH LINE SHEET 16
STA 36+75.68



MATCH LINE SHEET 18
STA 40+10.50



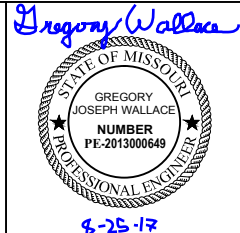
(E) – EXISTING
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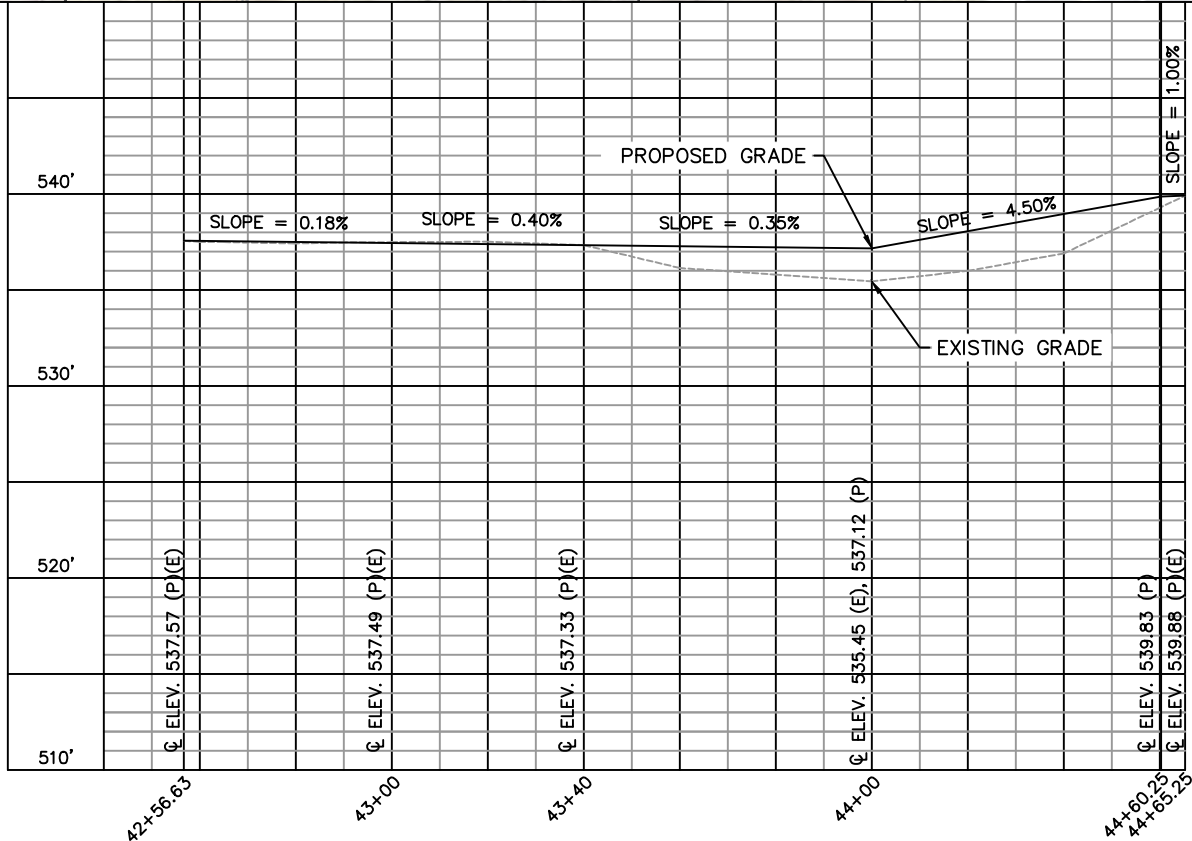
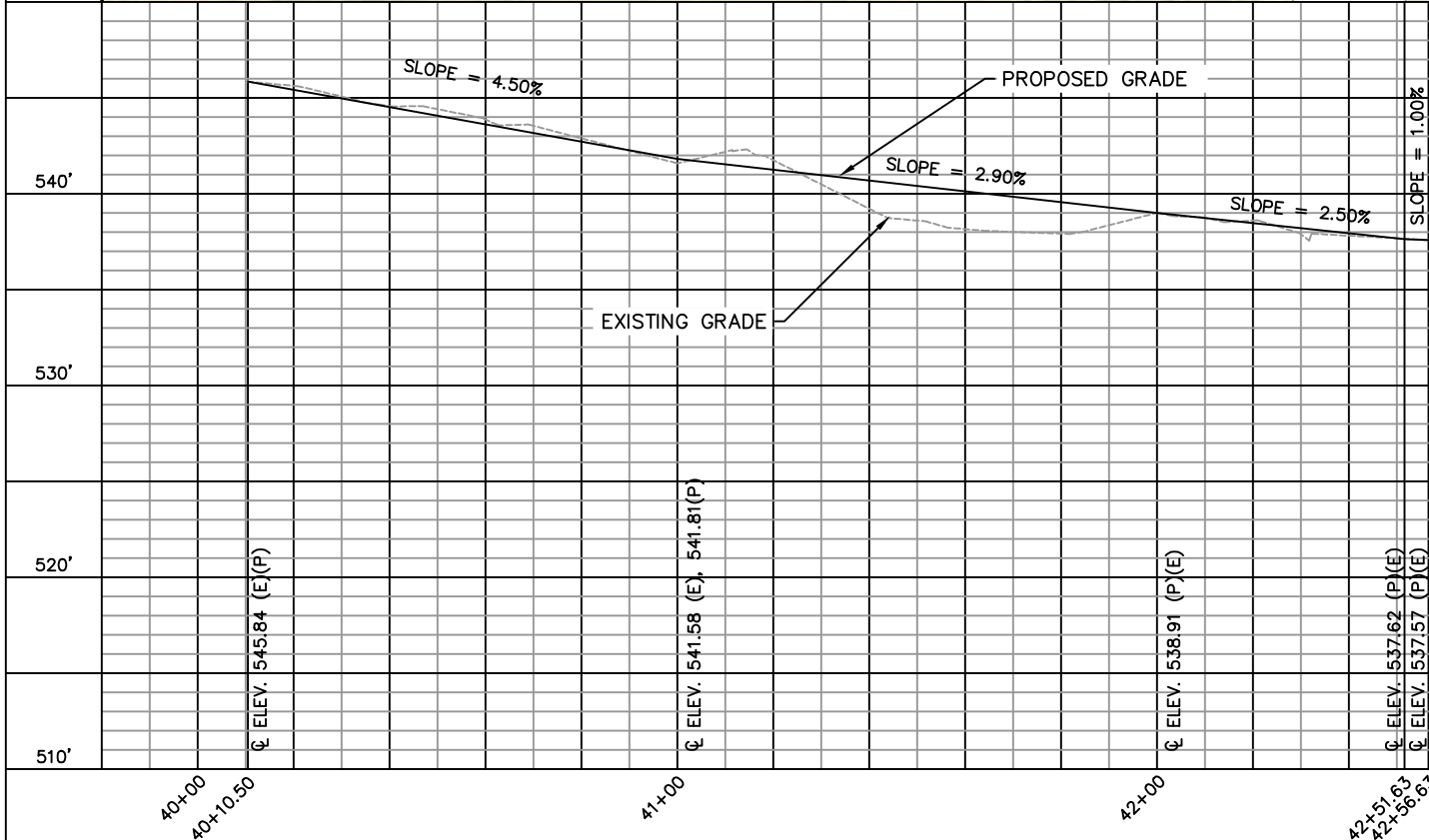
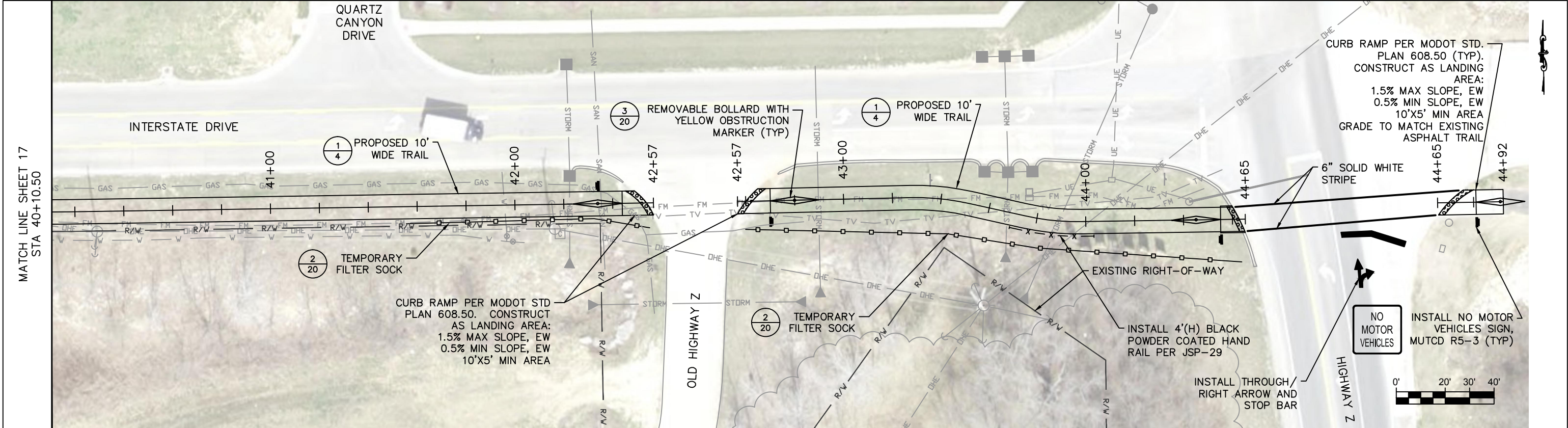


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INTERSTATE DRIVE MULTI-USE TRAIL	SHEET NUMBER 17
	TOTAL SHEETS 24
PLAN & PROFILE	

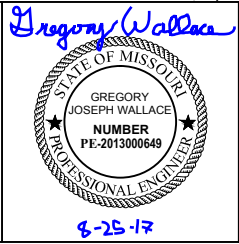


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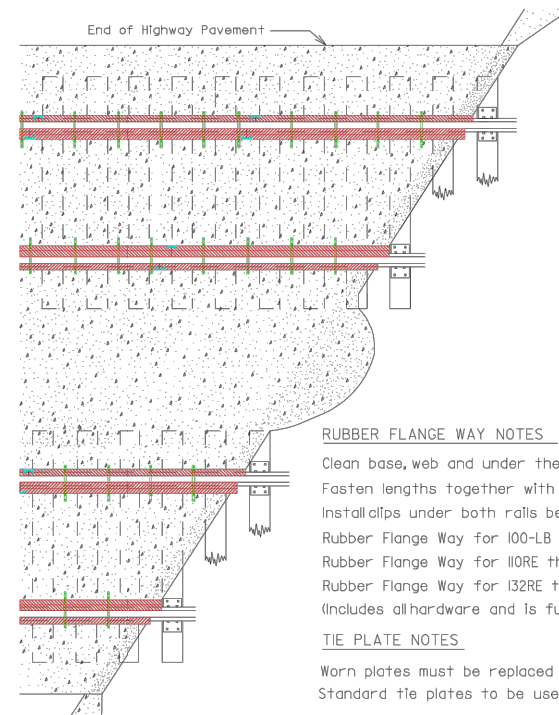
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SCALE:	1" = 40'
DATE:	08/25/17
WNTZ PROJECT NO.:	2016-006

INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER
PLAN & PROFILE		18
		TOTAL SHEETS
		24

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.



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.

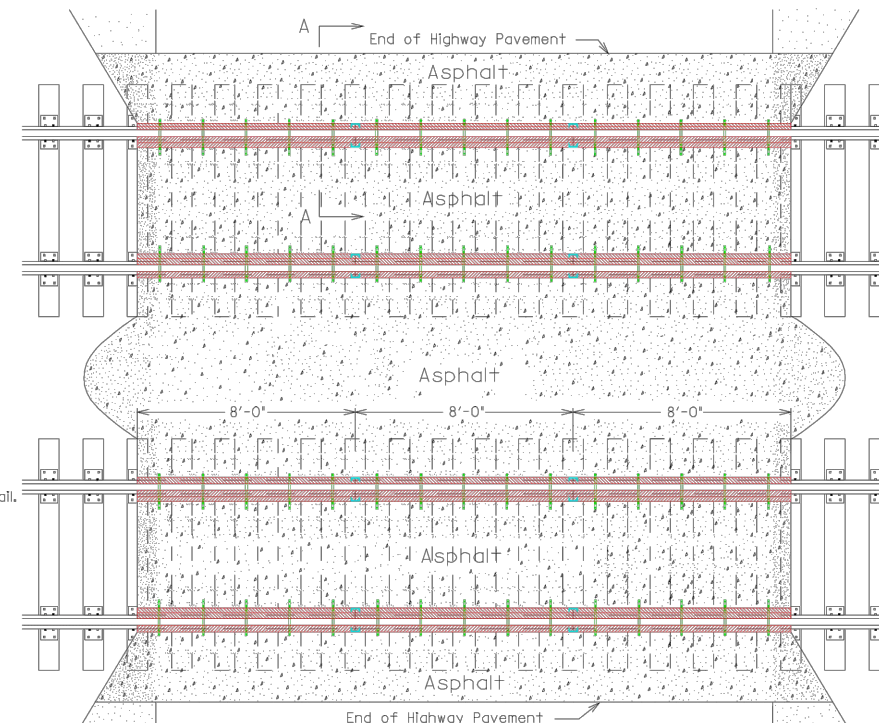
Install clips under both rails between every tie in the crossing.

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 railare $7\frac{3}{4}" \times 14\frac{3}{4}"$.

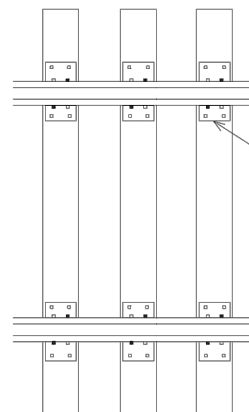


RIGHT ANGLE CROSSING

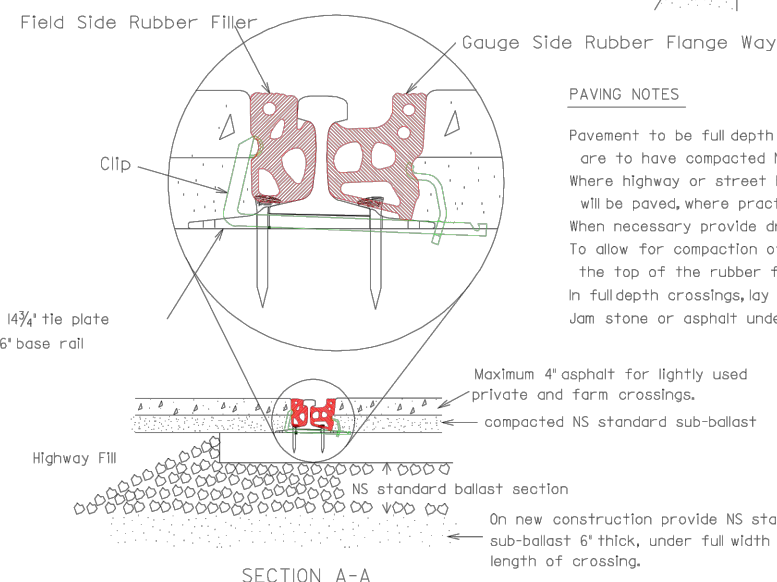
ACUTE ANGLE CROSSING

SPIKING PATTERN

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



14 $\frac{3}{4}$ " tie plate



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 $\frac{3}{8}$ " 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

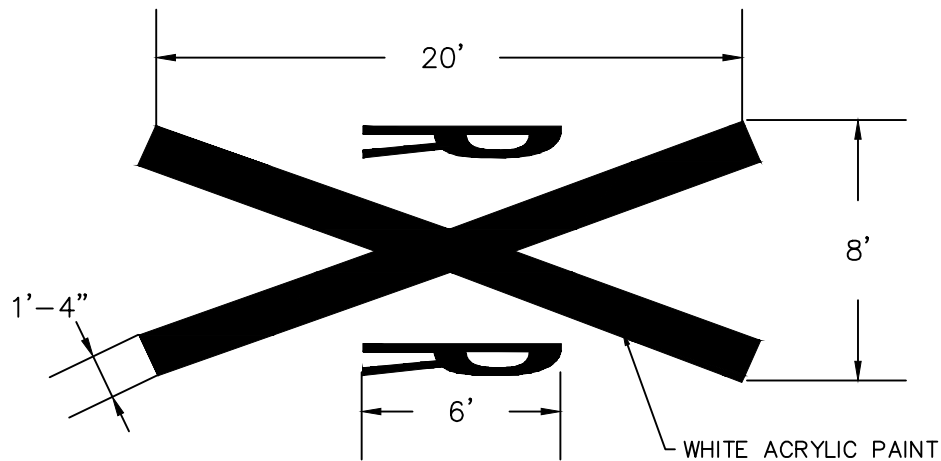
HIGHWAY GRADE CROSSING ASPHALT PAVING WITH RUBBER FLANGE WAY

OCTOBER 2003

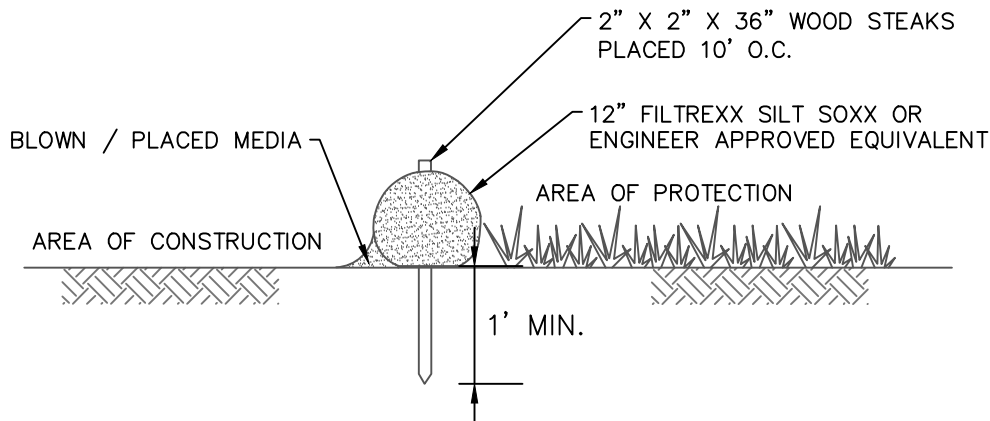
Atlanta, Georgia

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

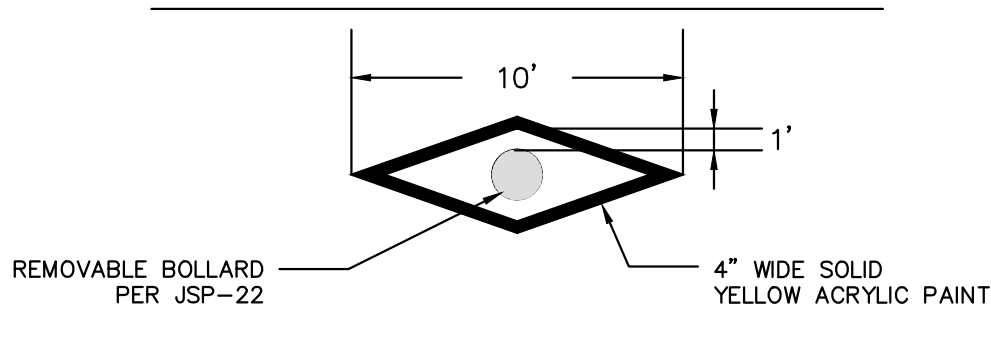
NO.	DATE	BY	REVISION	<div>UTILITY NOTES</div> <div>UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</div>	<div><div>Gregory Wallace</div><div><div>STATE OF MISSOURI</div><div>GREGORY JOSEPH WALLACE</div><div>NUMBER</div><div>PE-2013000649</div><div>PROFESSIONAL ENGINEER</div></div><div>6-25-17</div></div>	<div>CITY OF WENTZVILLE</div> <div>PUBLIC WORKS DEPARTMENT</div> <div>200 E. FOURTH STREET</div> <div>WENTZVILLE, MISSOURI 63385</div> <div>PHONE (636) 639-2049</div> <div>FAX (636) 639-2057</div>	DESIGNED BY:	SCALE:	<div>INTERSTATE DRIVE</div> <div>MULTI-USE TRAIL</div> <div>CONSTRUCTION DETAILS</div>	SHEET NUMBER
			BCM				NONE	19		
			DRAWN BY:				DATE:	TOTAL SHEETS		
			BCM				08/25/17			24
			CHECKED BY:				WNTZ PROJECT NO.:			
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							GJW			



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



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

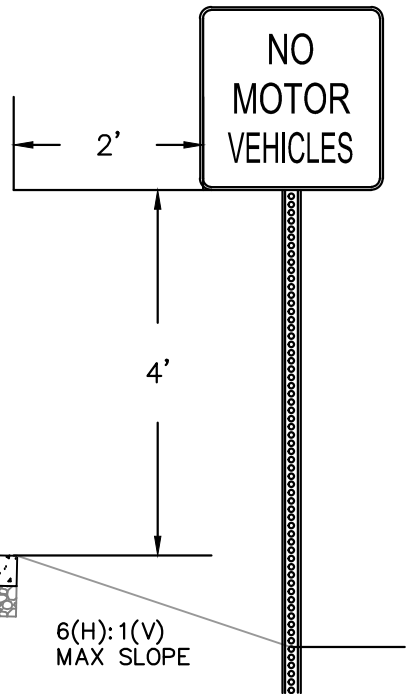


3
20 **OBSTRUCTION MARKING DETAIL**
SCALE: NONE

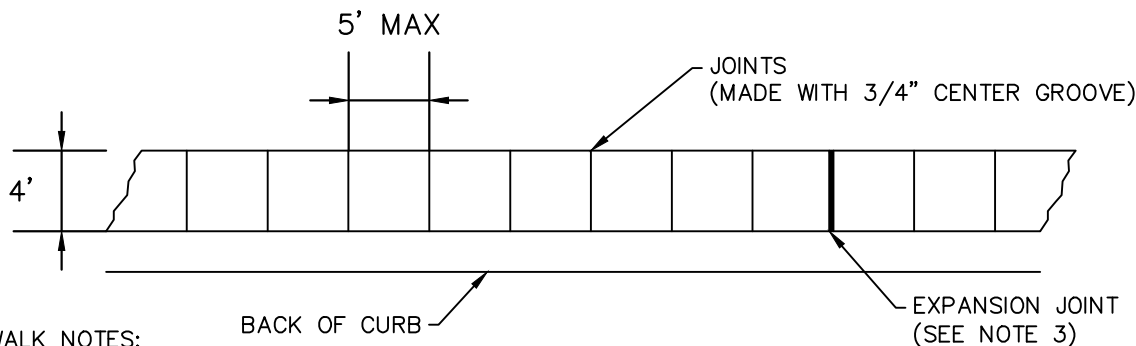
4
20 **SIGN LOCATION DETAIL**
SCALE: NONE

SIGN LOCATION NOTES:

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



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



SIDEWALK NOTES:

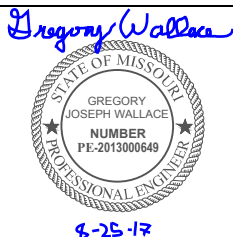
1. SIDEWALKS AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT AMERICANS WITH DISABILITIES ACT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES AND THESE DETAILS.
2. SIDEWALKS SHALL BE A MINIMUM OF 4" THICK.
3. EXPANSION JOINTS ARE REQUIRED BETWEEN SIDEWALK AND APPROACHES, WHERE SIDEWALKS INTERSECT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

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PUBLIC WORKS DEPARTMENT
200 E. FOURTH STREET
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PHONE (636) 639-2049
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PJM

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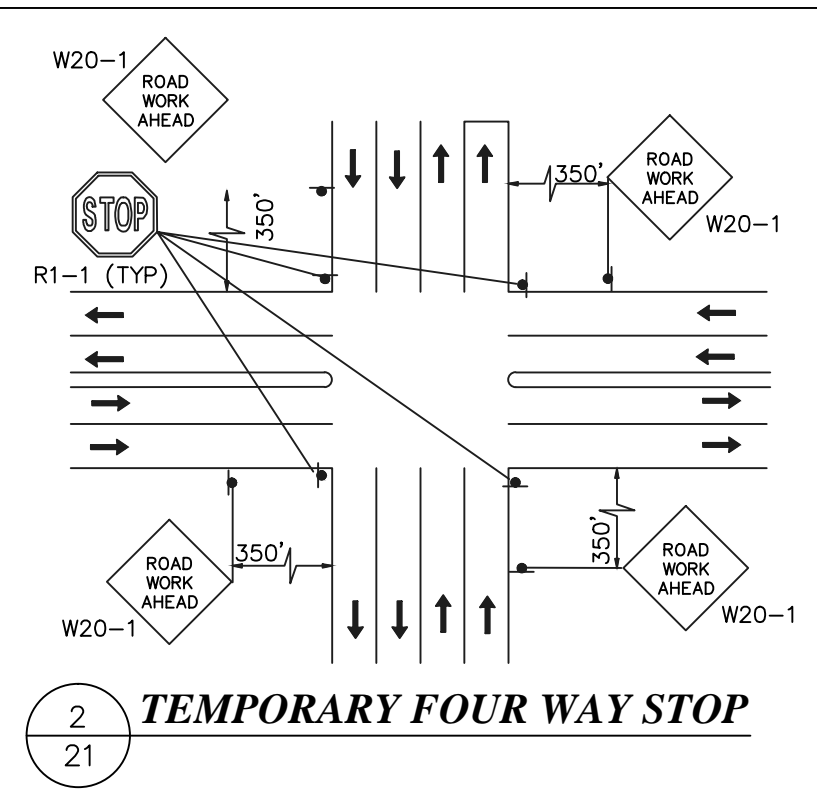
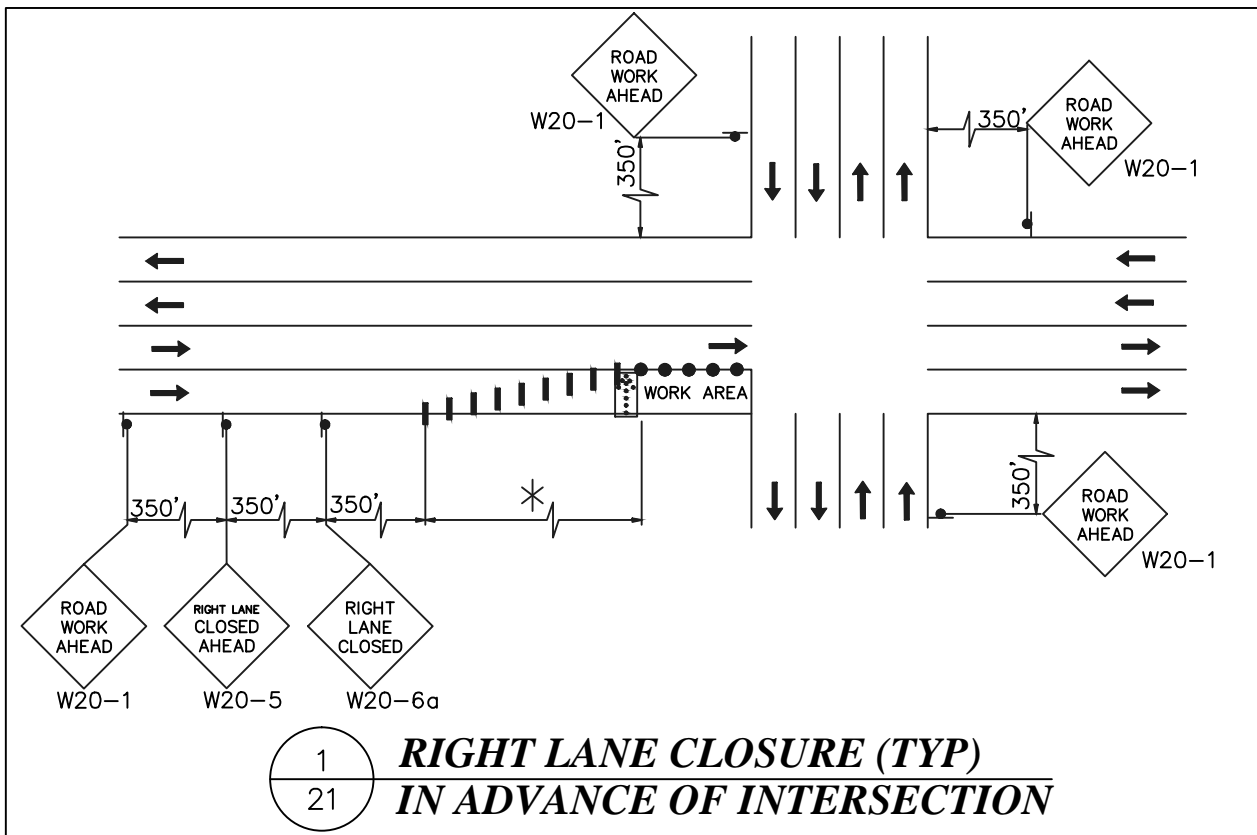
APPROVED BY:
GJW

SCALE:
NOT TO SCALE

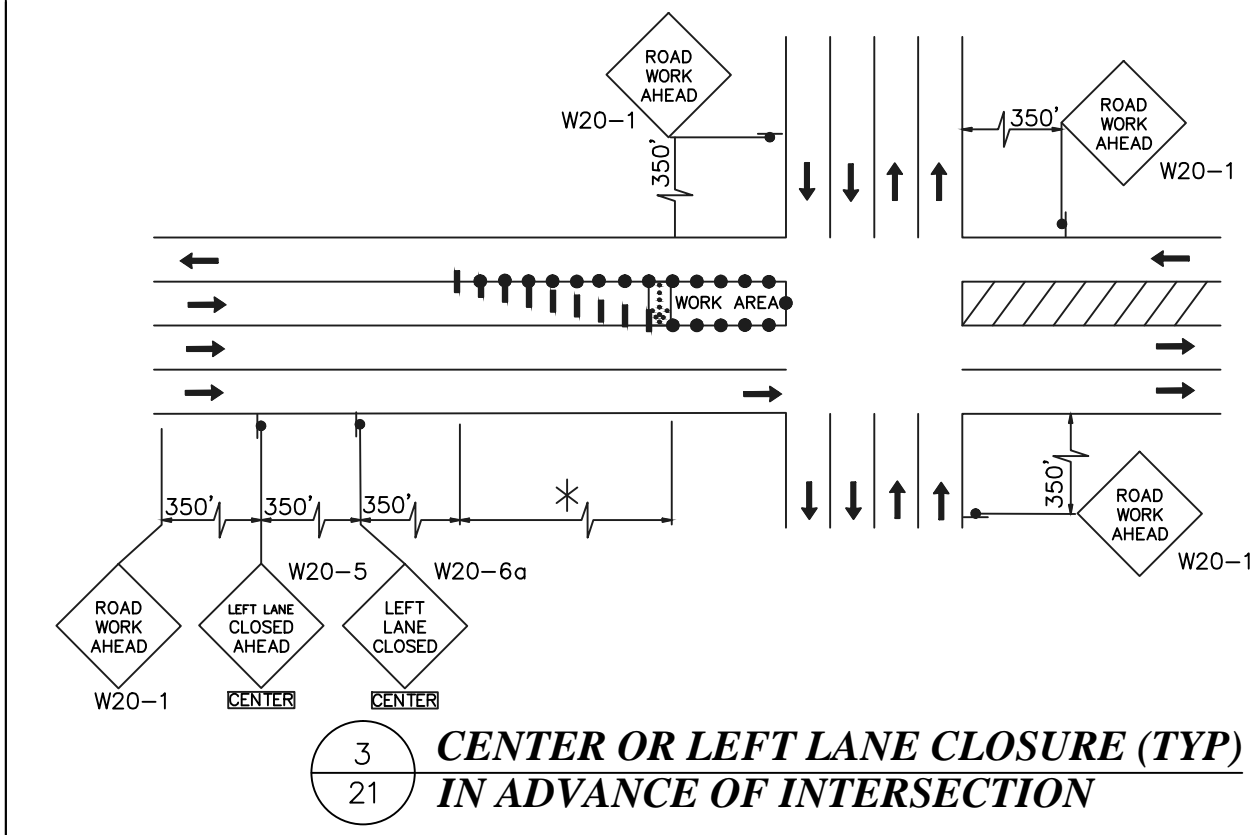
DATE:
08/25/17

WNTZ PROJECT NO.:
2016-006

INTERSTATE DRIVE MULTI-USE TRAIL		SHEET NUMBER
		20
CONSTRUCTION DETAILS		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

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

* 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.

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GREGORY JOSEPH WALLACE
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6-25-17

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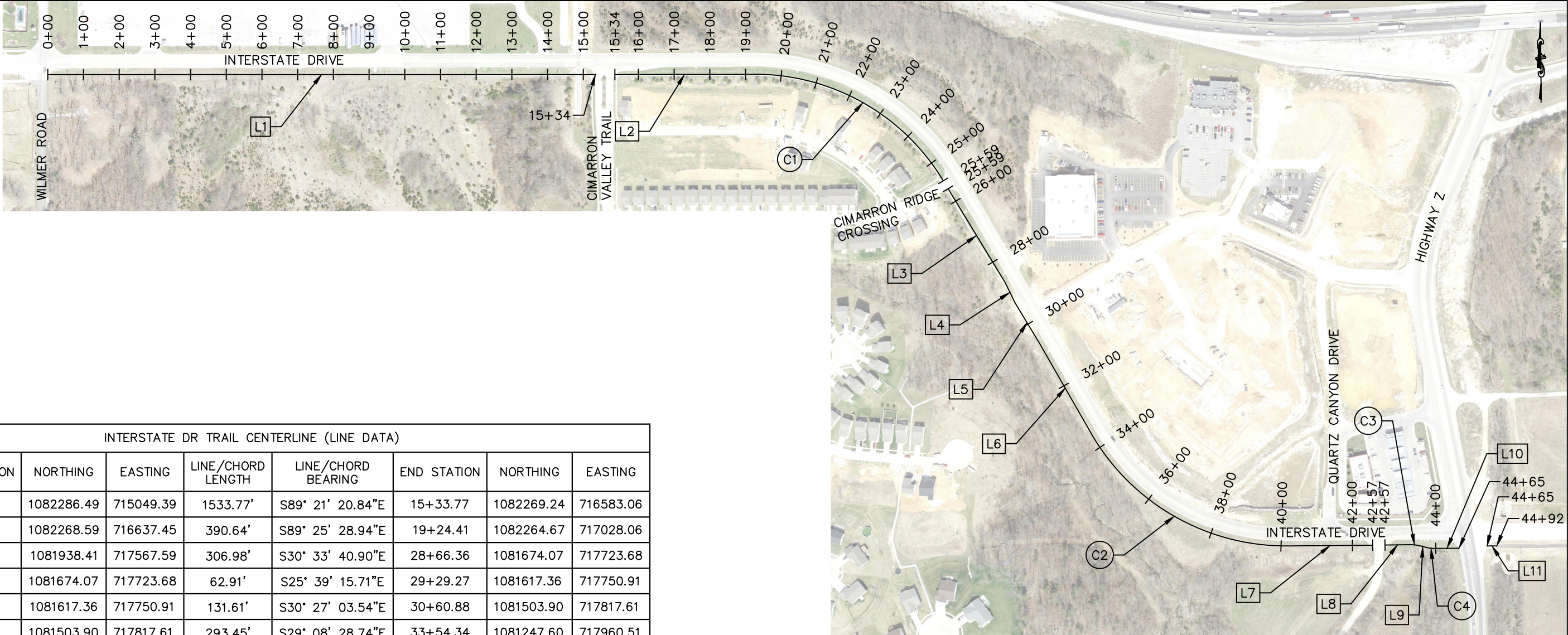
WNTZ PROJECT NO.:
2016-006

INTERSTATE DRIVE
MULTI-USE TRAIL

TRAFFIC CONTROL DETAILS

SHEET
NUMBER
21

TOTAL
SHEETS
24



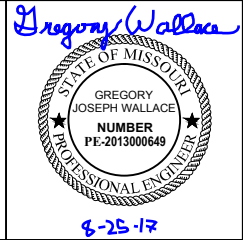
INTERSTATE DR TRAIL CENTERLINE (LINE DATA)								
NUMBER	BEGIN STATION	NORTHING	EASTING	LINE/CHORD LENGTH	LINE/CHORD BEARING	END STATION	NORTHING	EASTING
L1	0+00.00	1082286.49	715049.39	1533.77'	S89° 21' 20.84"E	15+33.77	1082269.24	716583.06
L2	15+33.77	1082268.59	716637.45	390.64'	S89° 25' 28.94"E	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

THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS HEREBY LIMITED TO THE SET OF PLANS AUTHENTICATED UNDER THE SEAL SIGNATURE AND DATE HEREUNDER ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING PLANS INVOLVED IN THIS PROJECT AND SPECIFICALLY EXCLUDES REVISIONS AFTER THE DATE UNLESS REAUTHENTICATED.

UTILITY NOTES
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



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

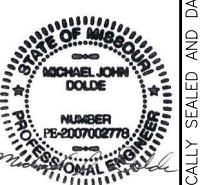
SCALE:
1" = 300'
DATE:
08/25/17
WNTZ PROJECT NO.:
2016-006

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
SL MO

DISTRICT SHEET NO.
SL T1

COUNTY
ST CHARLES

JOB NO.
101-16

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

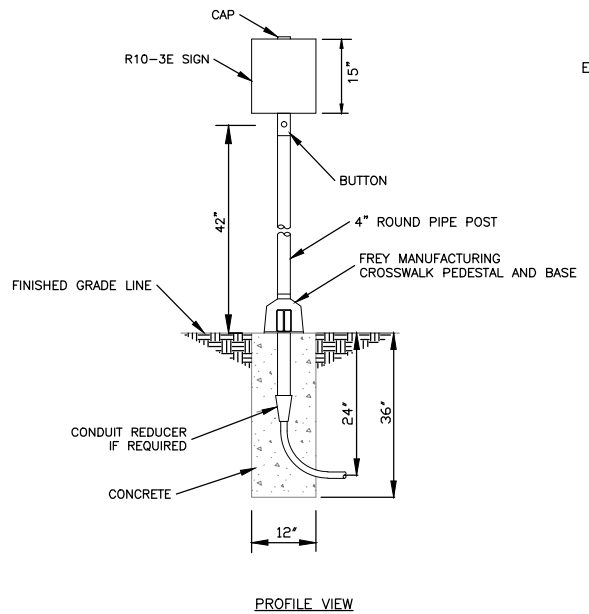
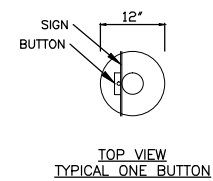
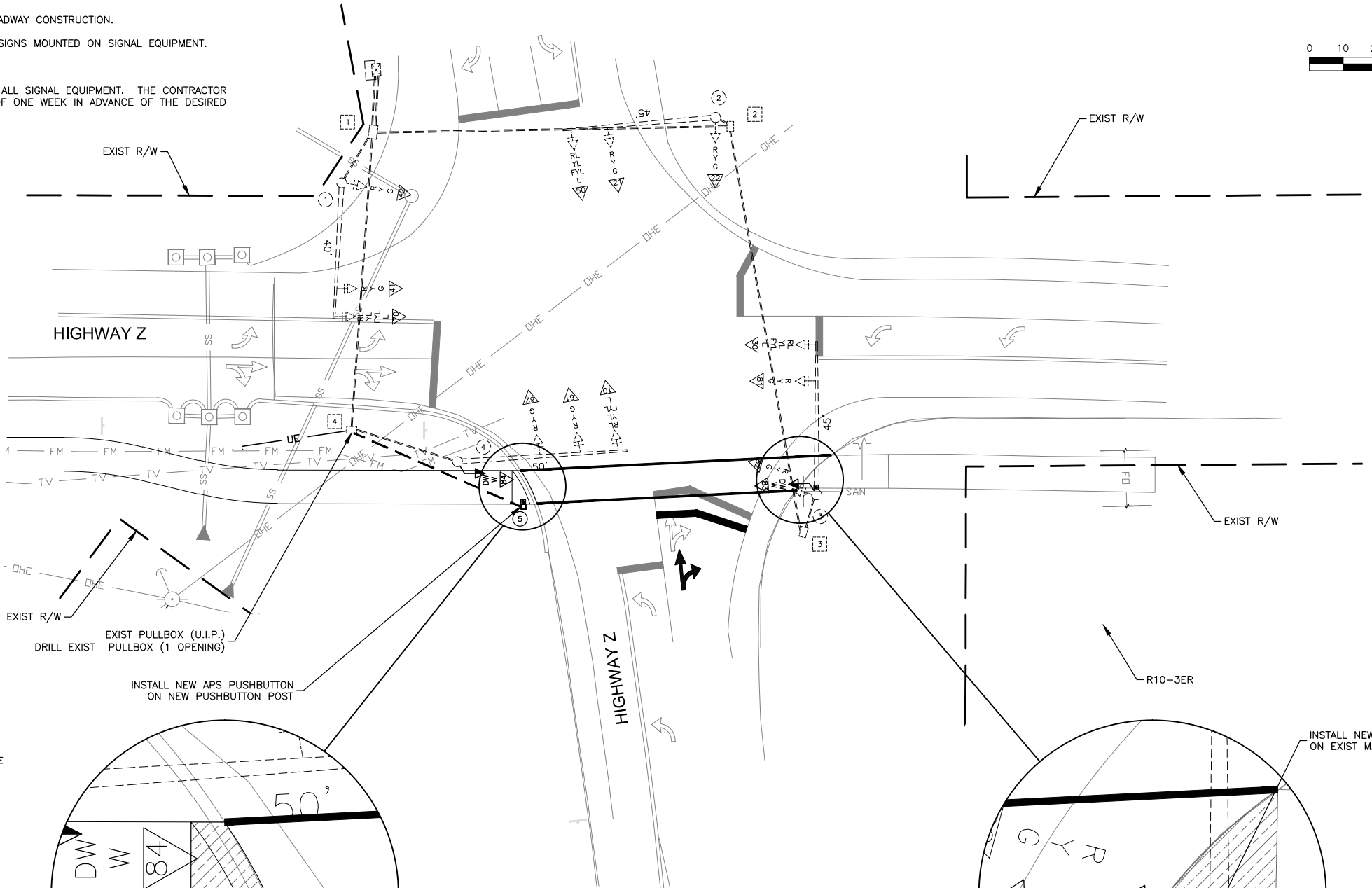
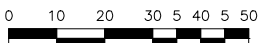
DATE	DESCRIPTION
5/31/17	1st SUBMITTAL
8/4/17	2nd SUBMITTAL

TRANSPORTATION ENGINEERS+PLANNERS

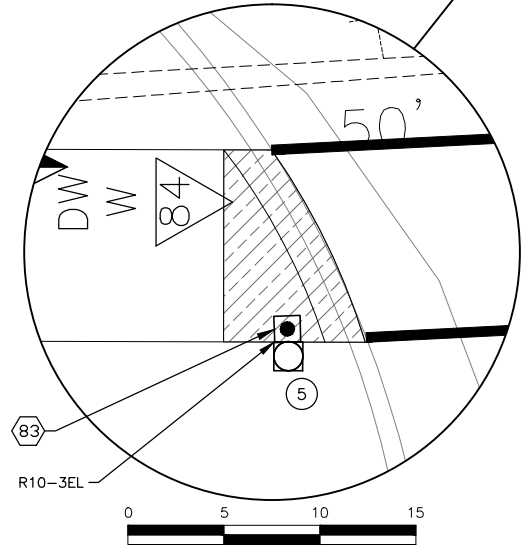
12400 OLIVE BLVD, SUITE 430
ST. LOUIS, MO 63141
(314) 878-6944

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

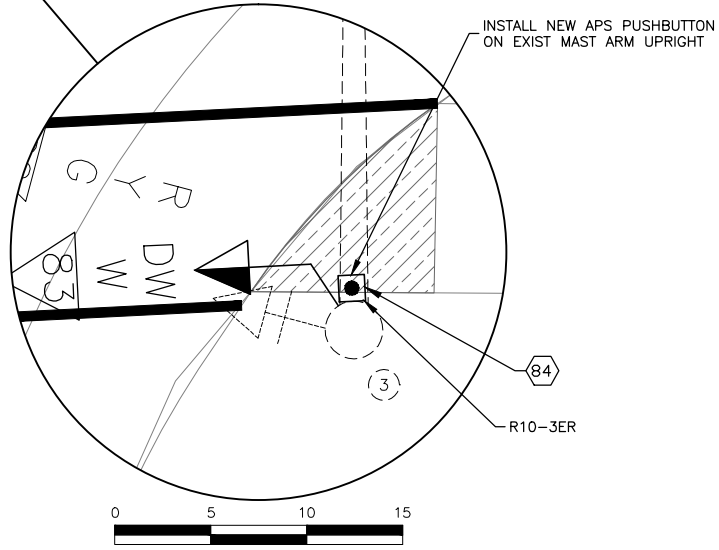
TRAFFIC SIGNAL PLAN
MO HWY Z & INTERSTATE DR
WENTZVILLE, MO



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



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

