

ROADWAY IMPROVEMENTS PLAN

CONSTRUCTION PLANS

CEDAR HILL ROAD & LOCAL HILLSBORO ROAD

INTERSECTION IMPROVEMENTS

JEFFERSON COUNTY, MISSOURI

FEDERAL PROJECT NO STP-5403(689)

INDEX OF SHEETS

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PREPARED FOR:
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SAFETY COORDINATOR
mwiley@zokcompanies.com

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FENTON, MO 63026
p 636-492-3200
d 636-492-3263
c 314-220-3425
f 636-492-3202

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS ON THIS DRAWING ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS DRAWING AND DISCLAIMS ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, SURVEYS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PARTS OF THE ENGINEERING PROJECT TO WHICH THIS DRAWING REFERS.

PROPOSED LEGEND

(SEE INDIVIDUAL PLAN SHEET FOR ADDITIONAL ITEMS)

PROPOSED LEGEND

EX - EXISTING
PR - PROPOSED
UIP - USE IN PLACE
ATG - ADJUST TO GRADE
TBR - TO BE REMOVED
DND - DO NOT DISTURB
TBR&R - TO BE REMOVED AND RELOCATED

PR PCC ITEM
PR ASPHALT DRIVE
PR 2" BP-1 RESURFACING
PR 8" BIT PAVEMENT (BASE)
PR 3 1/2" TYPE A3 SHOULDER

PAVEMENT MARKING LEGEND

SWL - SOLID WHITE LINE
WSD - WHITE SKIP DASH
WASD - WHITE ABBREVIATED SKIP DASH
SYL - SOLID YELLOW LINE
YSD - YELLOW SKIP DASH
DSY - DOUBLE SOLID YELLOW LINE
L&S - LETTER & SYMBOLS
PROPOSED SIGN

SIGN RELOCATED BY CONTRACTOR
SIGN PROVIDED & INSTALLED BY LOCAL COUNTY FORCES

REMOVAL LEGEND

EX - EXISTING
PR - PROPOSED
ATG - ADJUST TO GRADE
TBR - TO BE REMOVED
TBR&R - TO BE REMOVED AND RELOCATED

DRIVEWAY PAV'T REMOVAL
PAV'T REMOVAL
OBLITERATE PAV'T

EX ITEM TBR
EX ITEM TBR&R
EX ITEM ATG

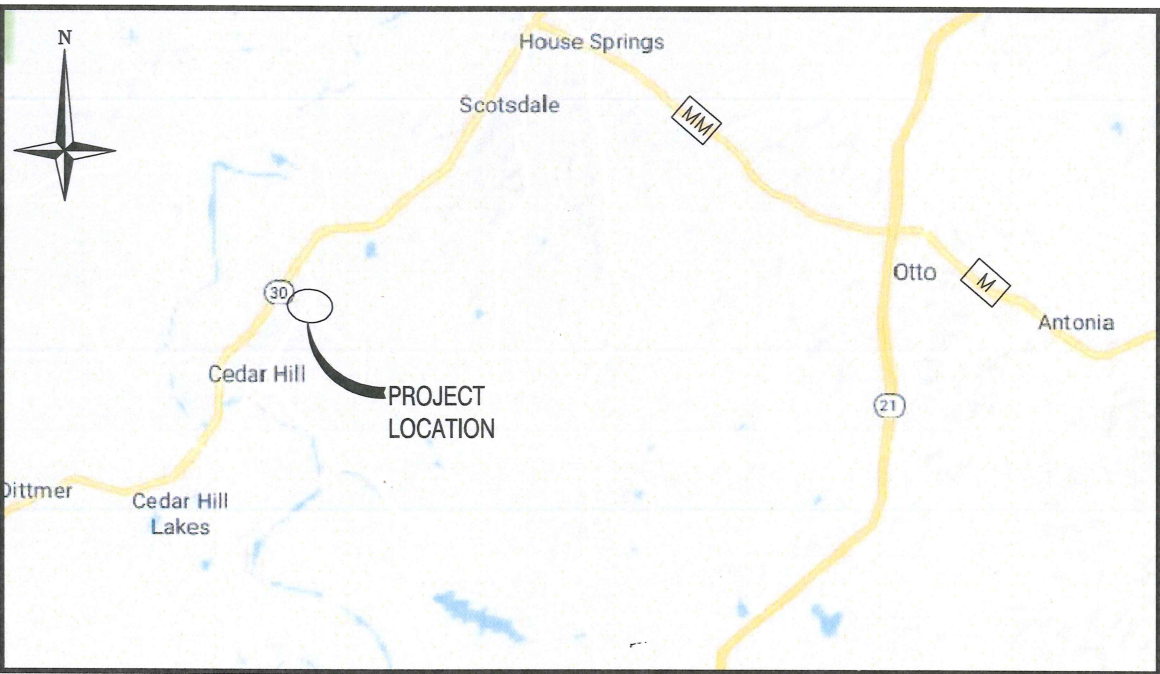
RIGHT-OF-WAY LEGEND

EX R/W
PR R/W
PR PERMANENT DRAINAGE EASEMENT (PDE)
PR TEMPORARY CONSTRUCTION EASEMENT (TCE)

AREA OF R/W ACQUISITION
AREA OF EXISTING PRESCRIPTIVE EASEMENT TO BE ACQUIRED AS PR R/W
AREA OF DEDICATED STRIP TO BE ACQUIRED AS PR R/W
AREA OF PDE

EROSION CONTROL PLAN LEGEND

SILT FENCE
TEMPORARY INLET CHECK
TEMPORARY ROCK DITCH CHECK
AREA TO BE TEMP./PERM. FERTILIZED/MULCHED/SEEDED



LOCATION MAP

(not to scale)

LENGTH OF PROJECTS

CEDAR HILL ROAD	
BEGINNING PROJECT	STA 6+00
END PROJECT	STA 10+00
APPARENT LENGTH	400 FEET
LOCAL HILLSBORO ROAD	
BEGINNING PROJECT	STA 7+70
END PROJECT	STA 14+75.89
APPARENT LENGTH	705.89 FEET

LIST OF UTILITIES:

PUBLIC WATER SUPPLY DIST. #8
7970 GRAHAM ROAD
CEDAR HILL, MO 63016
636-274-3128

CHARTER
VERNI STEVENS
101 NORTHWEST PLAZA DR.
ST. ANN, MO 63074
314-713-6393

AT&T
JEREMIAH KINEALY
12851 MANCHESTER ROAD
DES PERES, MO 63131
314-335-6058

AMEREN
CRAIG FOX
6450 HWY MM
HOUSE SPRINGS, MO 63051
636-671-6134 OFFICE
636-376-7448 MOBILE

DESIGN DESIGNATION

A.A.D.T (2016) - 3087
A.A.D.T. (2036) - 5058
% TRUCKS - 9%
DESIGN SPEED - 30 MPH
POSTED SPEED - 30 MPH
ROADWAY CLASSIFICATION - MINOR ARTERIAL

DESIGN STANDARDS

2019 MISSOURI STANDARD SPECIFICATIONS
BOOK FOR HIGHWAY CONSTRUCTION

APPROVED BY:

Jason Jonas 7/14/2019
JASON JONAS, P.E.
PUBLIC WORKS DIRECTOR
JEFFERSON COUNTY, MISSOURI

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY OF LOCATING ALL UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CALL MISSOURI ONE CALL SYSTEM AT 1-800-DIG-RITE (344-7483).



Call BEFORE you DIG
TOLL FREE
1-800-DIG-RITE

Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE STATE
SL MO

DISTRICT SHEET NO.
SL 1

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.



CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE STATE
MO

DISTRICT SHEET NO.
SL 3

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.

DESCRIPTION

DATE

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

TRANSPORTATION
ENGINEERS+PLANNERS

12400 OLIVE BLVD, SUITE 430
ST. LOUIS, MO 63141
(314) 872-6844
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 656-2612
www.ebbrtraffic.com

SCHEDULE OF QUANTITIES
LOCAL HILLSBORO RD
& CEDAR HILL RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

REMOVAL SCHEDULE

REMOVAL OF EXISTING IMPROVEMENTS (L. SUM)

LOCATION	SAWCUT (FT)	REMOVE EX PAV'T (SQ YDS)	OBLITERATE PAV'T (SQ YDS)	REMOVE EX DRIVE PAV'T (SQ YDS)	REM EX CULVERT (FT)	REM EX SIGN (EA)	REM EX TREE (EA)	EX MAILBOX (TBR&R) (EA)	EX SIGN (TBR&R) (EA)
LOCAL HILLSBORO RD									
14+75.89 TO 13+16.43	134	441		608					
13+16.43 TO 11+07.98			562		154	1			
11+07.98 TO 7+70.00	51	972		302	40	9	5	2	1
CEDAR HILL									
10+00.00 TO 8+50.39	24	398			41				
8+50.39 TO 6+29.68	26		613			1			
6+29.68 TO LOCAL HILLBORO EOP	25	367				3			
6+50.00	125	237			49				
TOTAL =	385	2415	1175	910	284	14	5	2	1

PAVING SCHEDULE

LOCATION	8" BIT PAV'T (BASE) (TONS)	2" BP-1 (TONS)	3 3/4" TYPE A3 SHLDR (SQ YDS)	4" TYPE 5 AGG (SQ YDS)
LOCAL HILLSBORO RD				
14+75.89 TO 13+85.89	136	16	81	383
13+85.89 TO 12+57.00	231	26	72	588
12+57.00 TO 11+08.12	234	27	66	588
11+08.12 TO 10+19.02	203	23	80	533
10+19.02 TO 9+49.02	124	14	62	338
9+49.02 TO 8+76.38	94	11	38	247
8+76.38 TO 7+70.00	128	15	83	368
CEDAR HILL				
10+00.00 TO 8+50.00	180	21	134	534
8+50.00 TO 7+25.00	187	21	112	528
7+25.00 TO LOCAL HILLBORO EOP	324	37	116	840
TOTAL =	1841	211	844	4947

ENTRANCE SCHEDULE

LOCATION	6" GRAVEL (A) (SQ YDS)	6" BIT BASE (TONS)	2" BP-1 (TONS)	4" TYPE 5 AGG (SQ YDS)	6" TYPE 5 CURB (FT)
LOCAL HILLSBORO RD					
13+49.32 RT	200	25	9	73	
13+49.32 LT		143	48	423	135
9+39.38 RT		20	7	58	
9+20.01 LT		24	8	70	37
8+68.33 RT		58	20	173	
TOTAL =	200	270	92	797	172

CULVERT SCHEDULE

LOCATION	15" RCCP (FT)	FES (EA)	36" RCCP (FT)	FES (EA)	60" RCCP (FT)	FES (EA)	GRANULAR BACKFILL (CU YD)
LOCAL HILLSBORO RD							
9+20.01	31	2					6
12+13.97			107	2			74
CEDAR HILL							
7+95.35					113	2	139
TOTAL =	31	2	107	2	113	2	219

SIGNING SCHEDULE

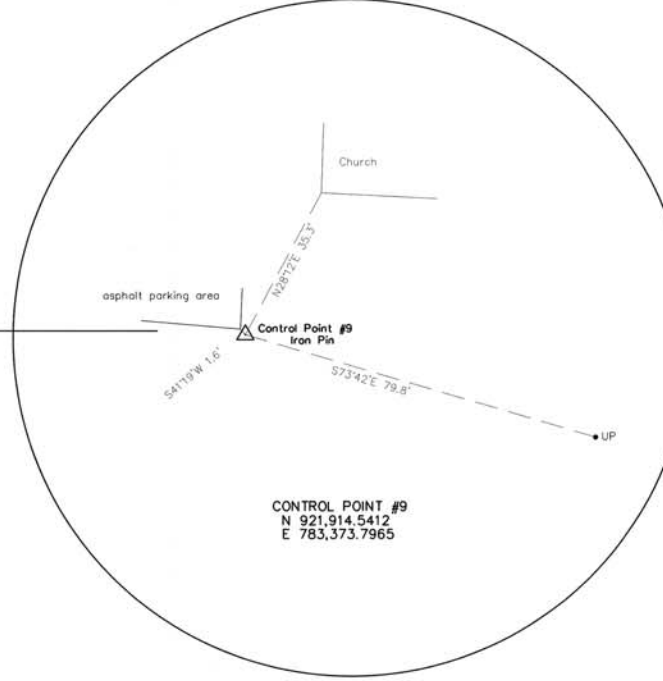
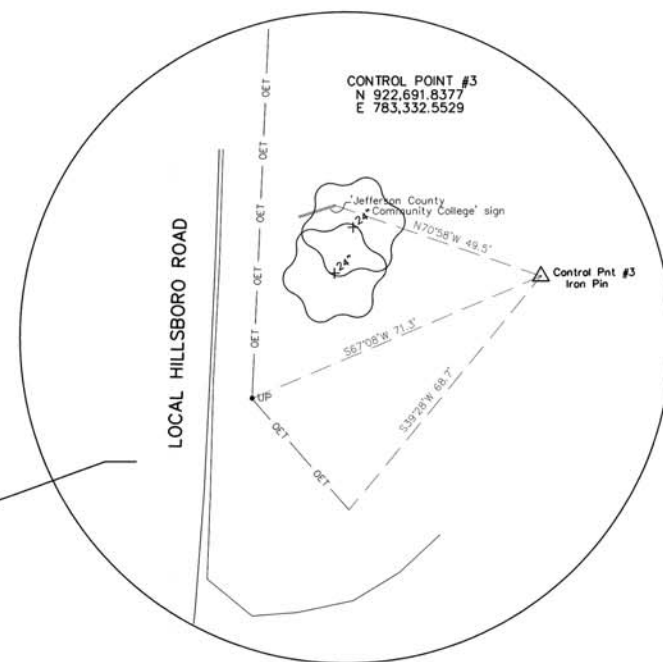
SIGN #	FOR INFORMATION ONLY --- TO BE PROVIDED AND INSTALLED BY COUNTY FORCES									TO BE COMPLETED BY THE CONTRACTOR		COMMENT
	SIZE	SH-FLAT SHEET	PIPE POST 2.5"	PIPE POST 3"		PSST 2" 12 GA	WOOD POST	BREAKAWAY ASSEMBLY	CONC FOOTING EMBEDED	EX FLASING BEACON (TBR&R)	BASE, CONCRETE	
	IN x IN	(SQ FT)	(FT)	(LBS)	(FT)	(LBS)	(FT)	(EA)	(CU YDS)	(EA)	(CU YDS)	
LOCAL HILLSBORO RD												
1-1	24 x 30	5.00	14.2	82.5				1	0.13			R2-1 "SPEED LIMIT 30 MPH"
1-2	36 x 36	9.00	14.7	85.5				1	0.13			W2-1L "INTERSECTION WARNING - LEFT"
1-3	48 x 24	16.00			30.4	176.5		2	0.26			W1-7 "TWO-DIRECTION LARGE ARROW"
	18 x 18	2.25										OM4-1 "TYPE 4 OBJECT MARKERS" RED W/ RED RETROFLECTIVE DEVICES
	18 x 18	2.25										OM4-1 "TYPE 4 OBJECT MARKERS" RED W/ RED RETROFLECTIVE DEVICES
1-4	36 x 36	9.00	14.7	85.5				1	0.13			W2-1L "INTERSECTION WARNING - LEFT"
1-5	48 x 24	16.00			30.4	176.5		2	0.26			
	18 x 18	2.25										
1-6										1	0.44	EX SOLAR FLASHING BECON TO BE RELOCATED
1-7	96 x 48						14.0		0.26			EX JEFFERSON COLLEGE NORTHWEST
1-8	36 x 36	9.00	14.7	85.5				1	0.13			R1-1 "STOP"
1-9	36 x 36	9.00	14.7	85.5				1	0.13			R2-1 "SPEED LIMIT 30 MPH"
1-10	48 x 24	16.00			30.4	176.5		2	0.26			W1-7 "TWO-DIRECTION LARGE ARROW"
	18 x 18	2.25										OM4-1 "TYPE 4 OBJECT MARKERS" RED W/ RED RETROFLECTIVE DEVICES
	18 x 18	2.25										OM4-1 "TYPE 4 OBJECT MARKERS" RED W/ RED RETROFLECTIVE DEVICES
1-11	30 x 30	6.25	14.2	82.5				1	0.13			W2-1R "INTERSECTION WARNING - RIGHT"
SUB-TOTAL		106.50	87.2	507.0	91.2	529.5		12.0	1.8	1	0.44	
CEDAR HILL												
2-1	36 x 36	9.00			16.2	123.0		1	0.13			W1-1R "TURN - RIGHT"
	18 x 18	2.25										W13-1P "ADVISORY SPEED 25 MPH"
2-2	36 x 36	9.00	14.7	85.5				1	0.13			W3-1 "STOP AHEAD"
2-3	36 x 36	9.00	14.7	85.5				1	0.13			R1-1 "STOP"
2-4	36 x 36	9.00	14.7	85.5				1	0.13			R1-1 "STOP"
2-5	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - LEFT"
2-6	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - LEFT"
2-7	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - RIGHT"
2-8	48 x 24	8.00	27.4	159.0				2	0.26			W1-7 "ONE-DIRECTION LARGE ARROW - RIGHT"
2-9	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - LEFT"
2-10	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - RIGHT"
2-11	18 x 24	3.00				12.0	10.3					W1-8R "CHEVRON - RIGHT"
SUB-TOTAL		64.25	71.50	415.50	16.2	123.0	72.0	61.8	6.0	0.8		
TOTAL		170.75		1575.00		72.00	61.80	18.00	2.60	1	0.44	

EROSION CONTROL SCHEDULE

LOCATION	INLET & PIPE PROTECTION (EA)	DITCH CHECK (LF)	SILT FENCE (FT)	ROCK DITCH LINER (CU YDS)	SEEDING (AC)	TEMP. SEEDING & MULCHING (AC)
LOCAL HILLSBORO - LEFT DITCH						
CHURCH SOUTH ENTRANCE TO CHURCH NORTH ENTRANCE	1				0.07	0.07
CHURCH NORTH ENTRANCE TO CROSS ROAD CULVERT		22		14	0.07	0.07
CROSS ROAD CULVERT	1					
CROSS ROAD CULVERT TO PRIVATE ENTRANCE		48		19	0.25	0.25
PRIVATE ENTRANCE TO CEDAR HILL (WEST)	1				0.18	0.18
LOCAL HILLSBORO - RIGHT DITCH						
14+75.89 TO COMMERCIAL ENTRANCE			120		0.02	0.02
COMMERCIAL ENTRANCE TO CROSS ROAD CULVERT			117		0.08	0.08
CEDAR HILL TO SOUTHERN PRIVATE ENTRANCE			171		0.05	0.05
SOUTHERN PRIVATE ENTRANCE TO NORTHERN PRIVATE ENTRANCE			34		0.02	0.02
NORTHERN PRIVATE ENTRANCE TO 7+70.00			71		0.04	0.04
CEDAR HILL - LEFT DITCH						
10+00.00 TO CROSS ROAD CULVERT		56		4	0.13	0.13
CROSS ROAD CULVERT	1					
CROSS ROAD CULVERT TO CROSS ROAD CULVERT OUTLET				62	0.08	0.08
CEDAR HILL - RIGHT DITCH						
10+00.00 TO CROSS ROAD CULVERT		72		23	0.16	0.16
CROSS ROAD CULVERT		8				
CROSS ROAD CULVERT TO LOCAL HILLSBORO RD			86	61	0.15	0.15
CEDAR HILL - DITCH ALONG R/W						
7+00.00 TO 5+60.00		48			0.14	0.14
TOTAL =	4	254	599	183	1.5	1.5

Located in Part of the Northwest quarter of Section 19, Township 42 North, Range 4 East and the East half of the Northeast quarter of Section 24, Township 42 North, Range 3 East, Cedar Point Manor (PB 98 pg 22B) and Chor Acres (PB 50 pg 18B)

Jefferson County, Missouri



SHEET LEGEND	
Description	Sheet #
Cover	1
Right of Way	2
Local Hillsboro Road	
Cedar Hill Road	
Right of Way	3
Local Hillsboro Road	
Cedar Hill Road	
Topography	4
Local Hillsboro Road	
Cedar Hill Road	
Topography	5
Local Hillsboro Road	
Cedar Hill Road	
Profile	
Local Hillsboro Road	
Profile Centerline	
Pavement	6
Local Hillsboro Road	
Profile East Line	
Pavement	7
Local Hillsboro Road	
Profile West Line	
Pavement	8
Antire Road	
Cedar Hill Road	
Profile Pavement	9
Cross Sections	
Local Hillsboro Road	10
Cedar Hill Road	11

TIE TO RECORD CORNER

Tie from NW corner of Lot 1 CHOR ACRES as recorded in Plat Book 50 at page 18 of the Jefferson County Land Records to the centerline centerline station 5+00=10+00 at the intersection of Cedar Hill Road and Local Hillsboro Road, located in Part of the Northwest quarter of Section 19, Township 42 North, Range 4 East and the East half of the Northeast quarter of Section 24, Township 42 North, Range 3 East being described as follows:

Beginning at the Northwest corner of said Lot 1 thence South 89 degrees 06 minutes 24 seconds East along the North line of said Lot 1, 285.69 feet to a point on the West line of 15.6 foot wide dedication strip shown as said CHOR ACRES, thence leaving said North line South 00 degrees 49 minutes 26 seconds West along the West line side dedication strip a distance of 198.90 feet to a point; thence leaving said line South 21 degrees 24 minutes 56 seconds East a distance of 40.80 feet to the centerline of Cedar Hill Road (width varies) and Local Hillsboro Road (width varies) being the point of ending of the herein described.

Missouri One Call Ticket #'s 172081749, 172081750, 172081751, 172081752, 172081836 & 172081837
Utility Responses as of 7/31/2017 CNC=clear/no conflict M=Marked

Utility Contacted	Ticket #	Ticket #	Ticket #	Ticket #	Ticket #	Ticket #
Ameren Missouri Electric	172081749	172081750	172081751	172081752	172081836	172081837
ATT Distribution	CNC	CNC	CNC	CNC	M	CNC
Charter Communications	M	CNC	CNC	M	M	M
Jefferson County PWSd 8	CNC	CNC	M	CNC	M	CNC
	M	M	M	M	M	M

SURVEYOR'S NOTES:

Horizontal and vertical datum were derived from GPS observations using MODOT 'VRS MOS2' network with GEOID Model '12B'

SITE BENCHMARKS

Temporary Benchmarks

Control Point 1 (CP1) Capped Iron Pin on the West side of Cedar Hill Road, approximately 38' +/- N37°W of a mailbox on the East side of Cedar Hill Road at #6145 Cedar Hill Road, 86' +/- N29°E of a utility pole with transformer on the West side of Cedar Hill Road and 131' +/- S33°W of a utility pole on the West side of Cedar Hill Road. Elev=526.02

Control Point 2 (CP2) Capped Iron Pin on West side of Local Hillsboro Road, located south of the intersection of Local Hillsboro Road and Cedar Hill Road, being approximately 15'± S18°E of the most northern utility pole, approximately 29'± N27°W of the most eastern utility pole and approximately 31'± N54°E of the most western utility pole at the above mentioned intersection. Elev=537.09

Control Point 3 (CP3) Capped Iron Pin located on the East side of Local Hillsboro Road approximately 50' +/- 570'E of the sign for Jefferson County Community College, approximately 71' +/- N67'E from a utility pole on the East side of Local Hillsboro Road and approximately 69' +/- N40'E of a utility pole north of the asphalt entrance to #6050 Local Hillsboro Road. Elev=556.85

Control Point 9 (CP9) Capped Iron Pin located 1.6' +/- SE of the Southeast corner of the parking lot for Baptist Church, approximately 36' +/- S28°W from the Southwest corner of the church building and 80' +/- N74°W of a utility pole south of the church building.
Elev=541.66

We hereby certify that at the request of Jefferson County Missouri, Heideman+Associates, Inc., has located the Right of way Line and property lines on lands being located along HIGH RIDGE BOULEVARD, ANTIRE ROAD & WILLIAMS CREEK ROAD, Located in the Northwest Quarter of the Southeast Quarter, the Northeast Quarter of the Southeast Quarter, the Southwest Quarter of the Southeast Quarter of SECTION 14, TOWNSHIP 43 NORTH, RANGE 4 EAST Jefferson County, Missouri , and the results are shown hereon.

I declare that under my supervision and to the best of my belief, knowledge, information and professional judgment the results shown herein are made in accordance with the current "Missouri Standards for Property Boundary Surveys" as set forth by 2 CSR Department of Agriculture, Division 90-Weights, Measures and Consumer Protection, Chapter 60-Missouri Standards for Property Boundary Surveys. This plot has been compiled without the aid of a current Certificate of Title, and therefore may not contain all the easements, restrictions, reservations and covenants, if any.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at our office in St Louis County, Missouri,
this 25th day of August, 2017.

DR

LOCAL HILLSBORO ROAD AND CEDAR HILL ROAD

HILLSBORO ROAD AND CEDAR HILL ROAD
located in Part of the Northwest quarter of Section 19,
Township 42 North, Range 4 East and the

ILLSBORO ROAD AND CEDAR HILL
in Part of the Northwest quarter of Section
Township 42 North, Range 4 East and the
half of the Northeast quarter of Section
Township 42 North, Range 3 East,
Cedar Point Manor (PB 98 pg 228) and
Chor Acres (PB 50 pg 188)

REVISIONS	
DATE	DESCRIPTION
08/08/18	add topo areas
12/07/18	rev sh 2 & 4

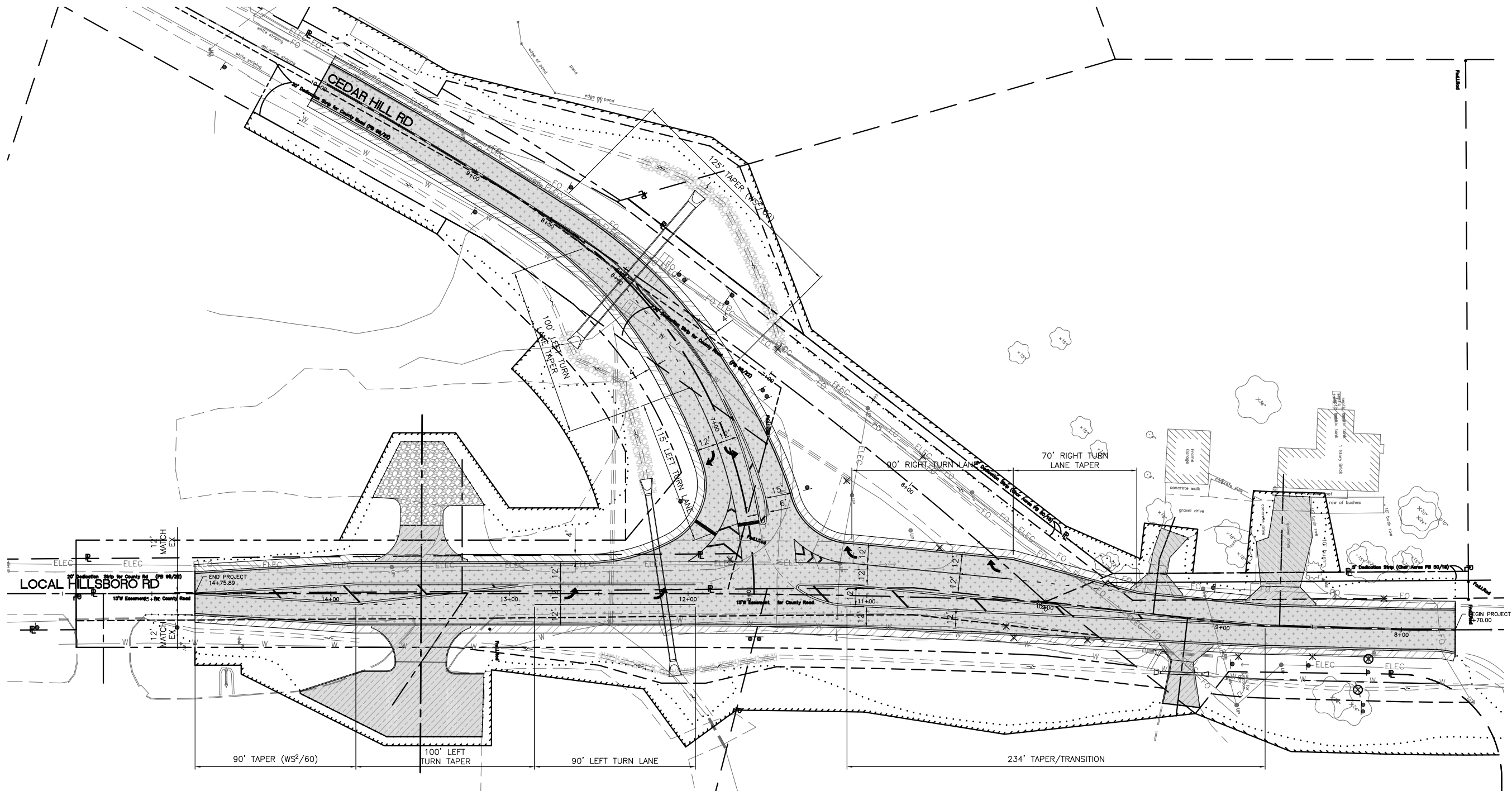
DATE	08/01/17
CHECKED BY	DRAWN BY
MWW	MAG
SHEET NO.	
1 of 11	
JOB NO.	
177013.005	

HEIDEMAN | ASSOCIATES INC.

Consulting
Civil
Electrical
Mechanical
Engineers
Land Survey



Heideman + Associates, Inc. Professional Land Surveying Corporation Missouri State Certificate of Authority #000281



Corporate Engineering
Certificate # 000381



Brian E. Courtwright

CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE	STATE MO
DISTRICT SL	SHEET NO. 6

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

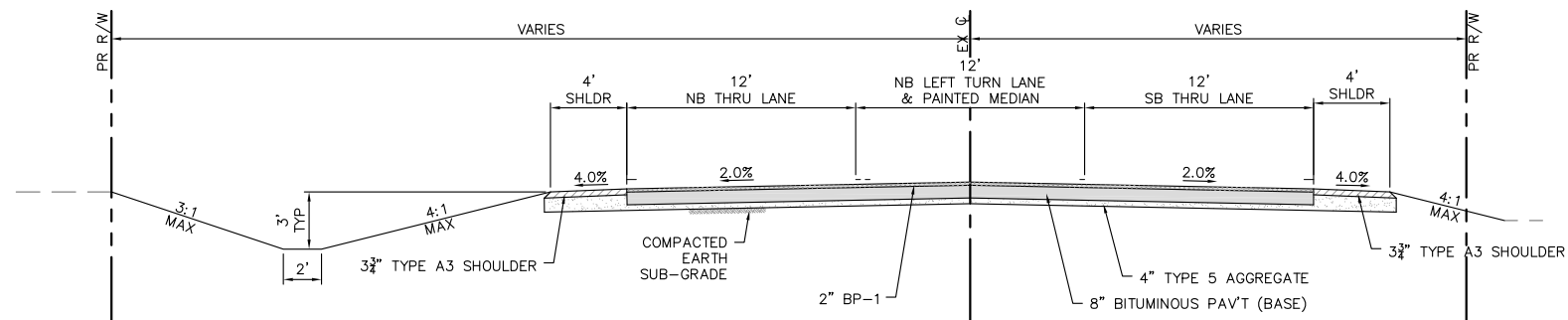
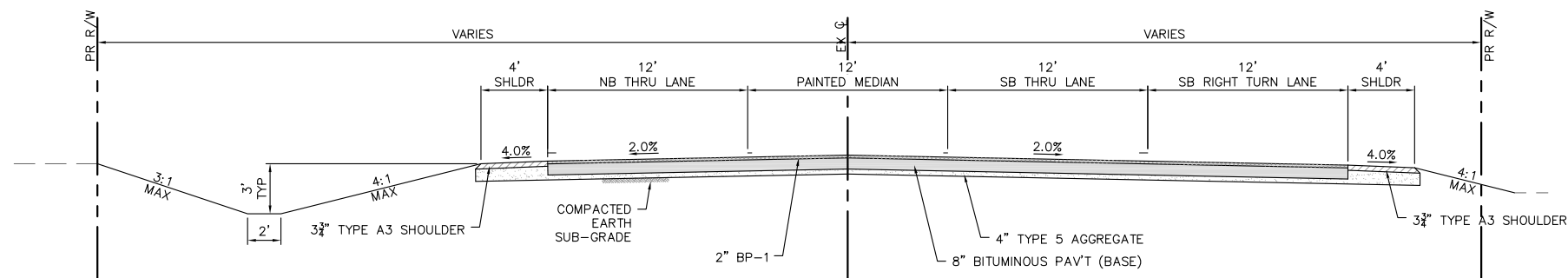
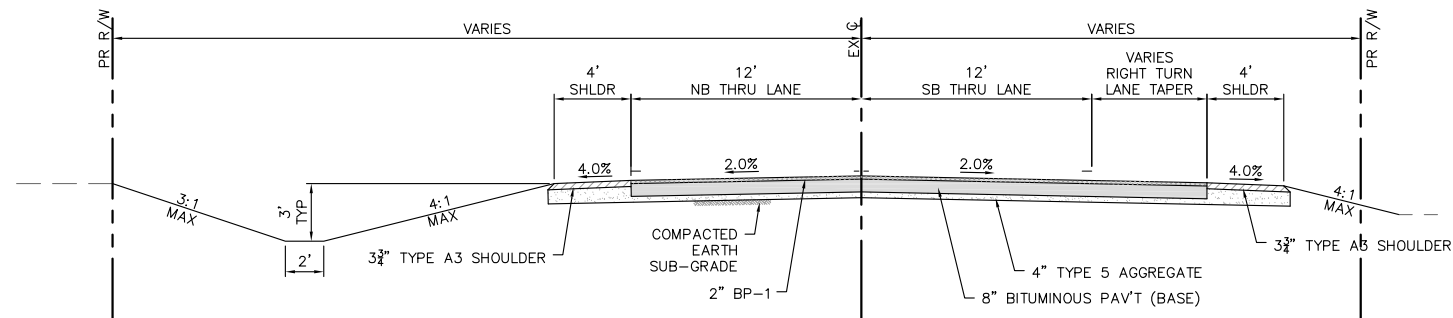
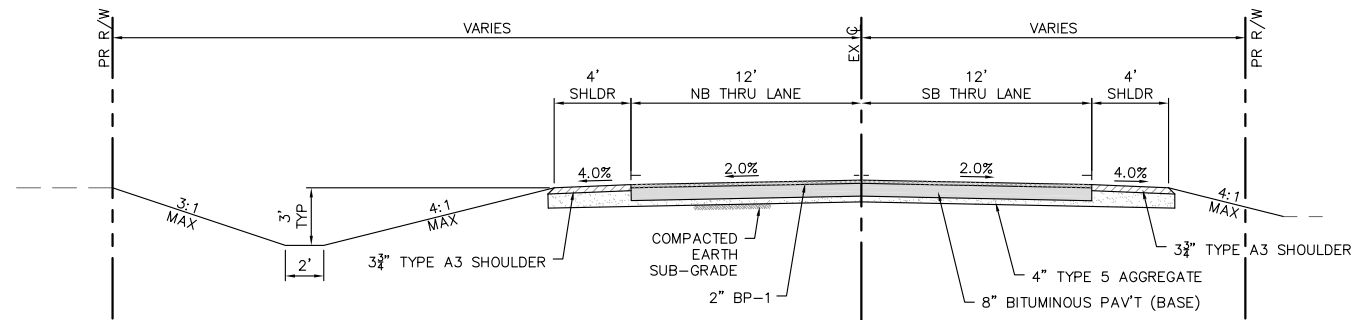
PROJECT NO.
STP-5403(689)

BRIDGE NO.

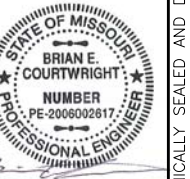
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PROJECT OVERALL

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



Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
2/2/10

7/3/19 8173

ROUTE	STATE	ZIP
-------	-------	-----

MO

DISTRICT	SHEET NO.	3
----------	-----------	---

SL / IAS

COUNTY _____

JEFFERSON | IT

JOB NO.	13
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011-18-03

CONTRACT ID.	5
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HIS

PROJECT NO.	11
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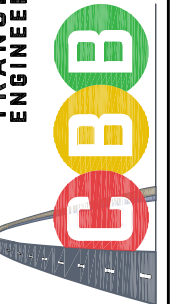
TP-5403(689) NO

**CHARLES
ENGINEERS+PLANNERS**

12400 OLIVE BLVD, SUITE 430
ST. LOUIS, MO 63141
(314) 878-0844

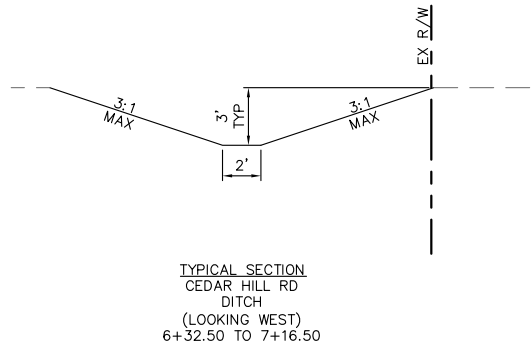
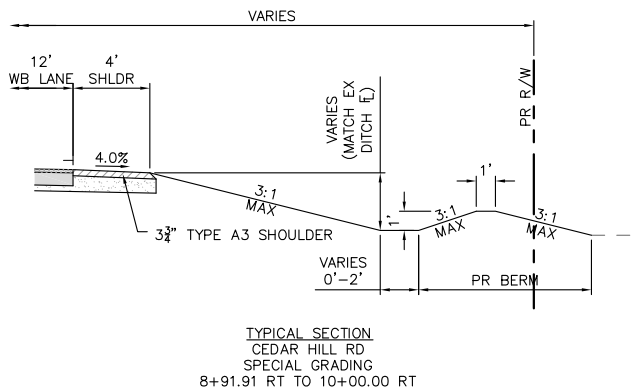
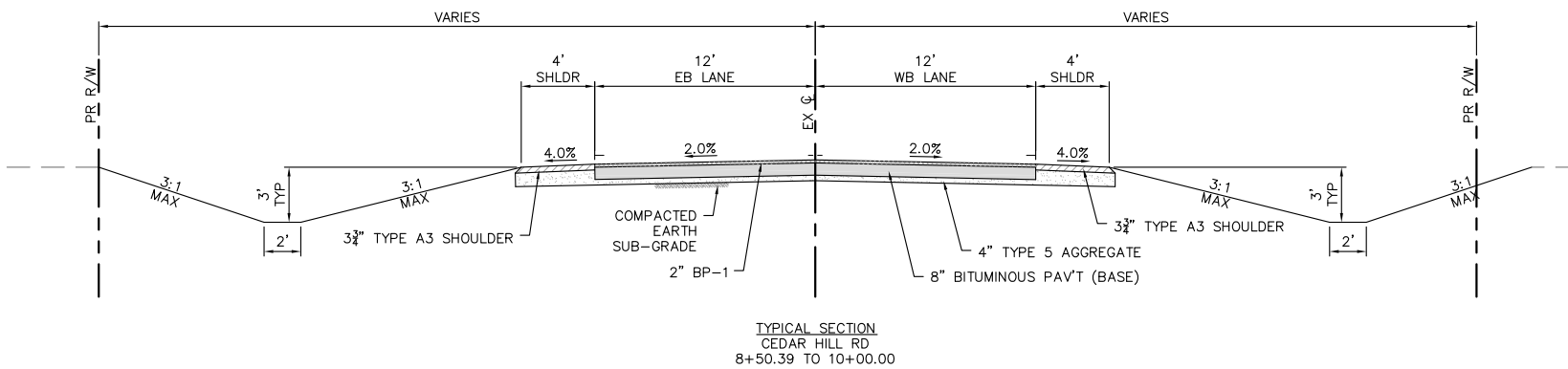
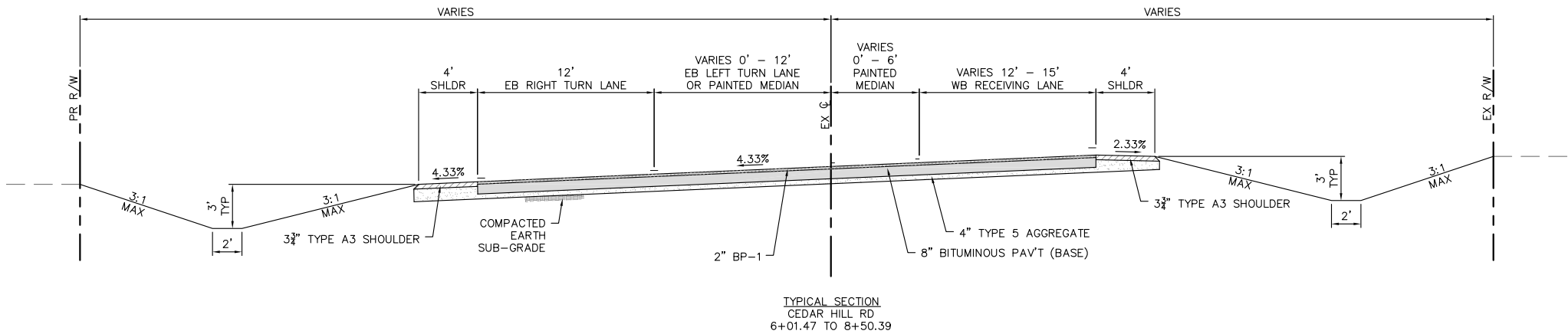
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 656-2612

www.abtraffic.com

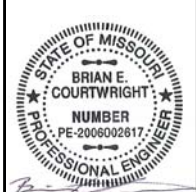


**TYPICAL SECTIONS
LOCAL HILLSBORO RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI**

CEDAR HILL RD S.E. TABLE			
6+53.31	4%	1.85%	0.2%
6+93.37	4.33%		2.33%
8+21.25	4.33%		2.33%
8+27.89	4%		2%
8+50.39	4%	2.89%	0.89%
8+68.34	4%	2%	0%
9+8.69	4%	2%	0% 2%
9+49.08	4%	2%	2% 4%
10+00.00	MATCH EX		
	RT EOP	Q	LT EOP



Corporate Engineering
Certificate # 000381

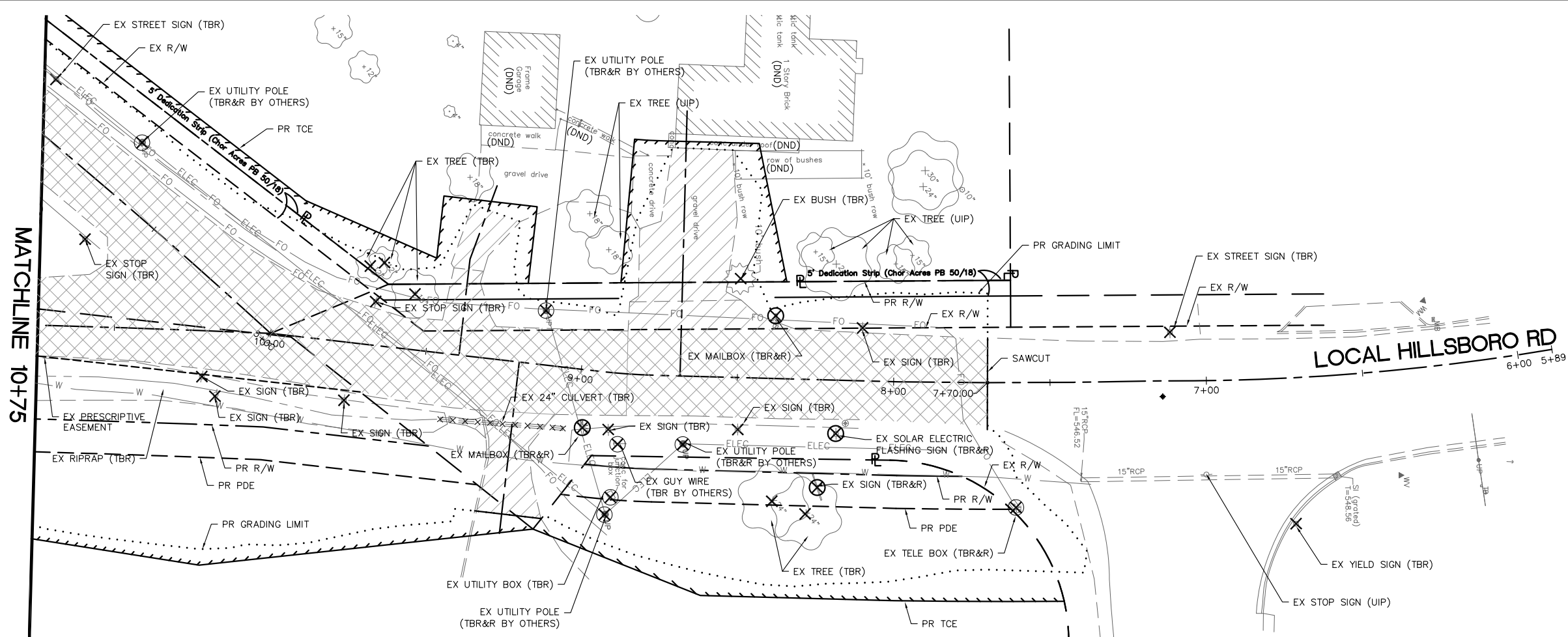
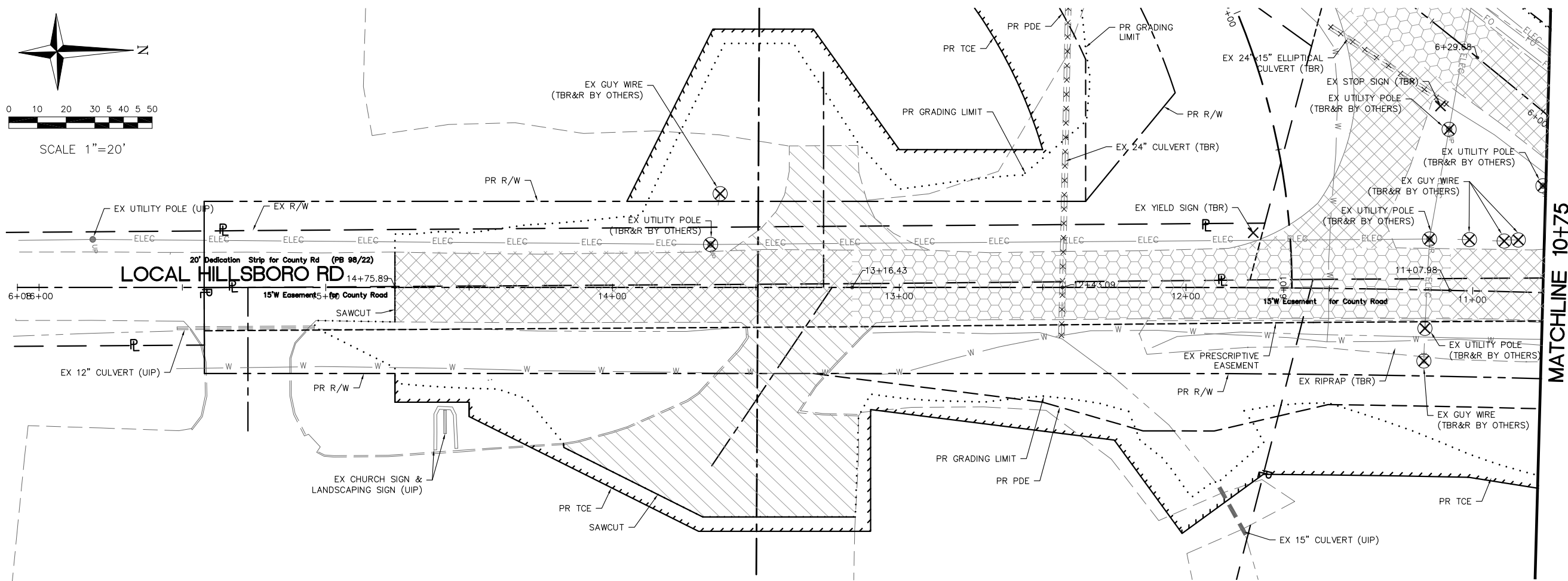
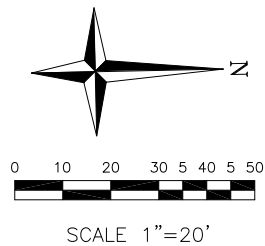


CIVIL ENGINEER
DATE PREPARED
7/3/19
ROUTE
STATE
MO
DISTRICT
SHEET NO.
8
COUNTY
JEFFERSON
JOB NO.
011-18-03
CONTRACT ID.
PROJECT NO.
STP-5403(689)
BRIDGE NO.

DATE	DESCRIPTION

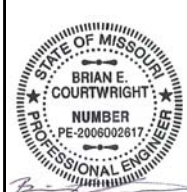
**TRANSPORTATION
ENGINEERS+PLANNERS**
12400 OLIVE BLVD. SUITE 430
ST. LOUIS, MO 63141
(314) 878-4644
450 COTTONWOOD RD. SUITE B
GLEN CARBON, IL 62034
(618) 656-2612
www.cbtraffic.com

**TYPICAL SECTIONS
CEDAR HILL RD**
**CEDAR HILL AND
LOCAL HILLSBORO**
JEFFERSON COUNTY, MISSOURI



- REMOVAL LEGEND**
- EX - EXISTING
 - PR - PROPOSED
 - ATG - ADJUST TO GRADE
 - TBR - TO BE REMOVED
 - TBR&R - TO BE REMOVED AND RELOCATED
- DRIVEWAY PAV'T REMOVAL
 - PAV'T REMOVAL
 - OBLITERATE PAV'T
 - EX ITEM TBR
 - EX ITEM TBR&R
 - EX ITEM ATG

Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE
MO

DISTRICT
SL

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.

DESCRIPTION

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TRANSPORTATION
ENGINEERS+PLANNERS

12400 OLIVE BLVD, SUITE 430
ST. LOUIS, MO 63141
(314) 878-6844

450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 656-2612
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TRANSPORTATION
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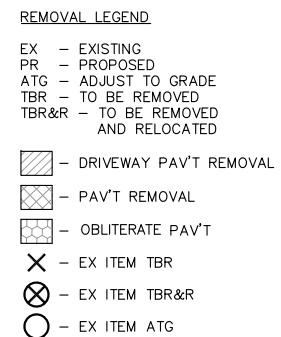
TRANSPORTATION
ENGINEERS+PLANNERS

TRANSPORTATION
ENGINEERS+PLANNERS

TRANSPORTATION
ENGINEERS+PLANNERS

**REMOVAL PLAN
LOCAL HILLSBORO RD**
**CEDAR HILL AND
LOCAL HILLSBORO**
JEFFERSON COUNTY, MISSOURI

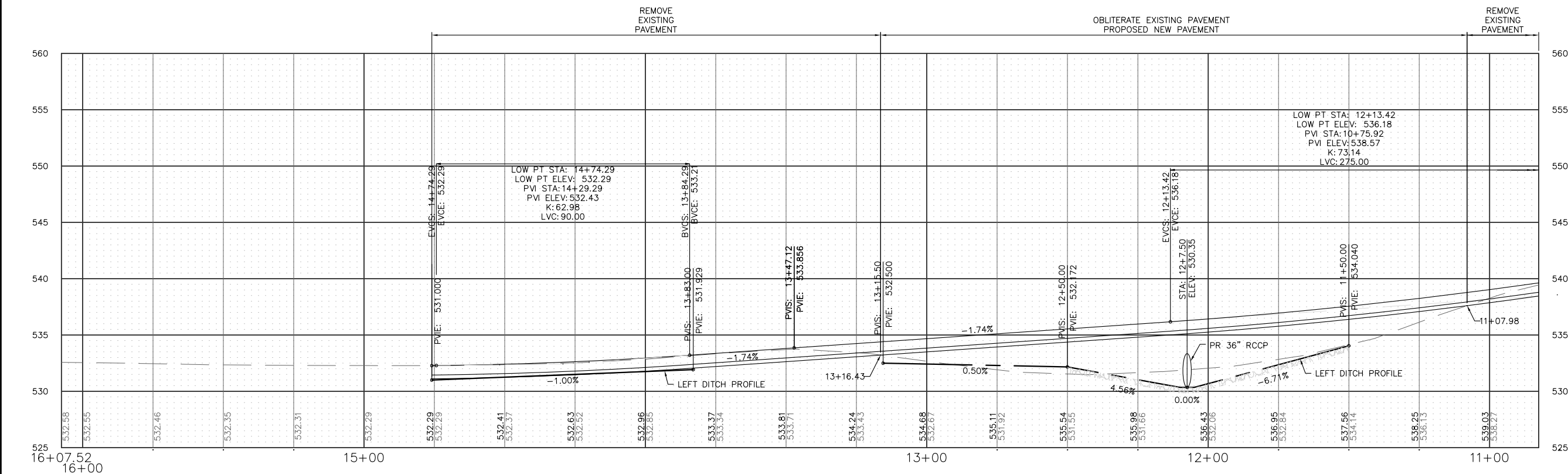
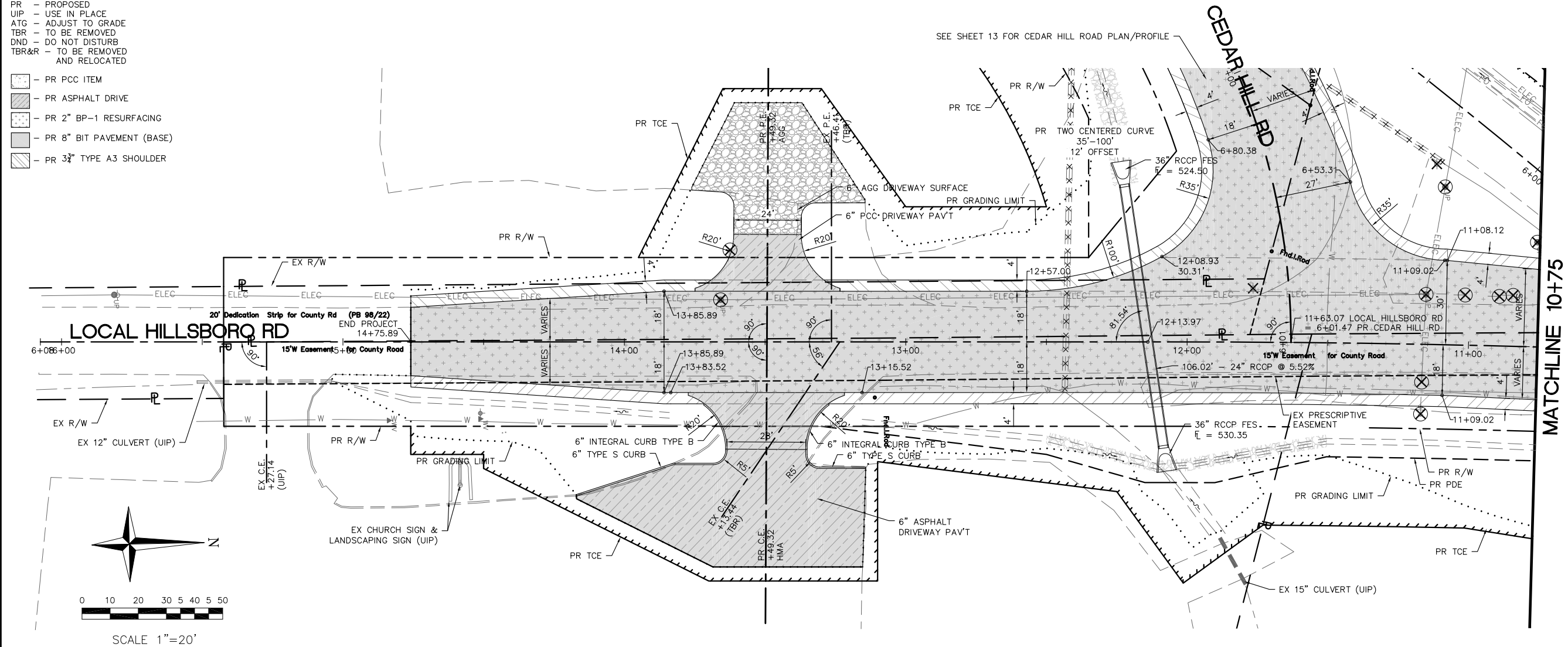
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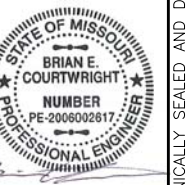
**REMOVAL PLAN
CEDAR HILL RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI**

EX - EXISTING
PR - PROPOSED
UIP - USE IN PLACE
ATG - ADJUST TO GRADE
TBR - TO BE REMOVED
DND - DO NOT DISTURB
TBR&R - TO BE REMOVED
AND RELOCATED

-  - PR PCC ITEM
 - PR ASPHALT DRIVE
 - PR 2" BP-1 RESURFACING
 - PR 8" BIT PAVEMENT (BASE)
 - PR 3 1/4" TYPE A3 SHOULDER



Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
7/3/19

STATE	MO
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PROJECT	SHEET NO.
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COUNTY
JEFFERSON

JOB NO. 11-12-27

011-18-03	HS SI
CONTRACT ID.	

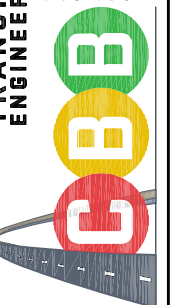
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BRIDGE NO. **P-5403(689)**

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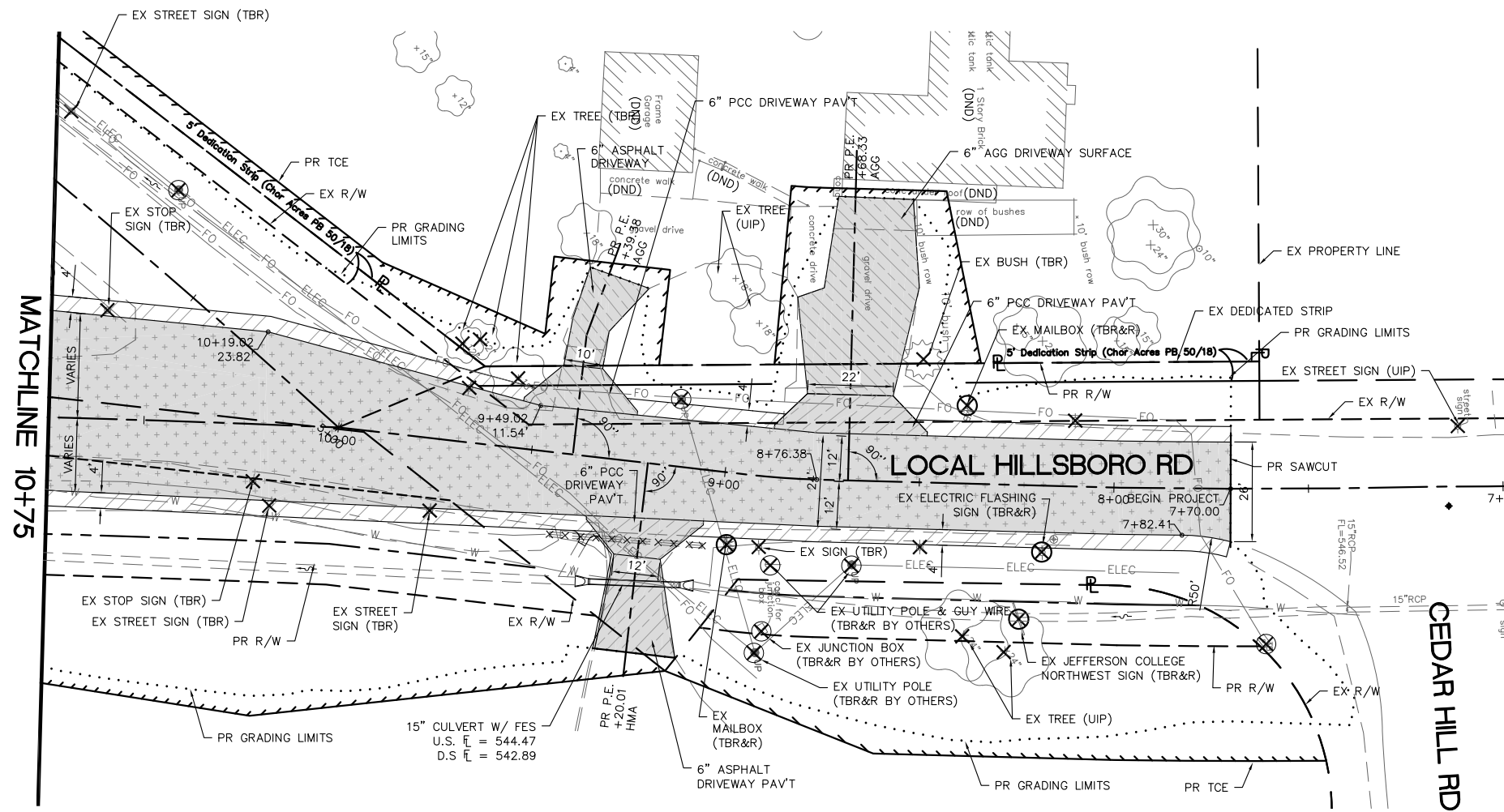
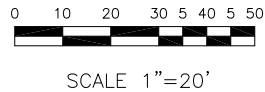
ENGINEERS+PLANNERS
12400 OLIVE BLVD, SUITE 430

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



PLAN PROFILE LOCAL HILLSBORO RD

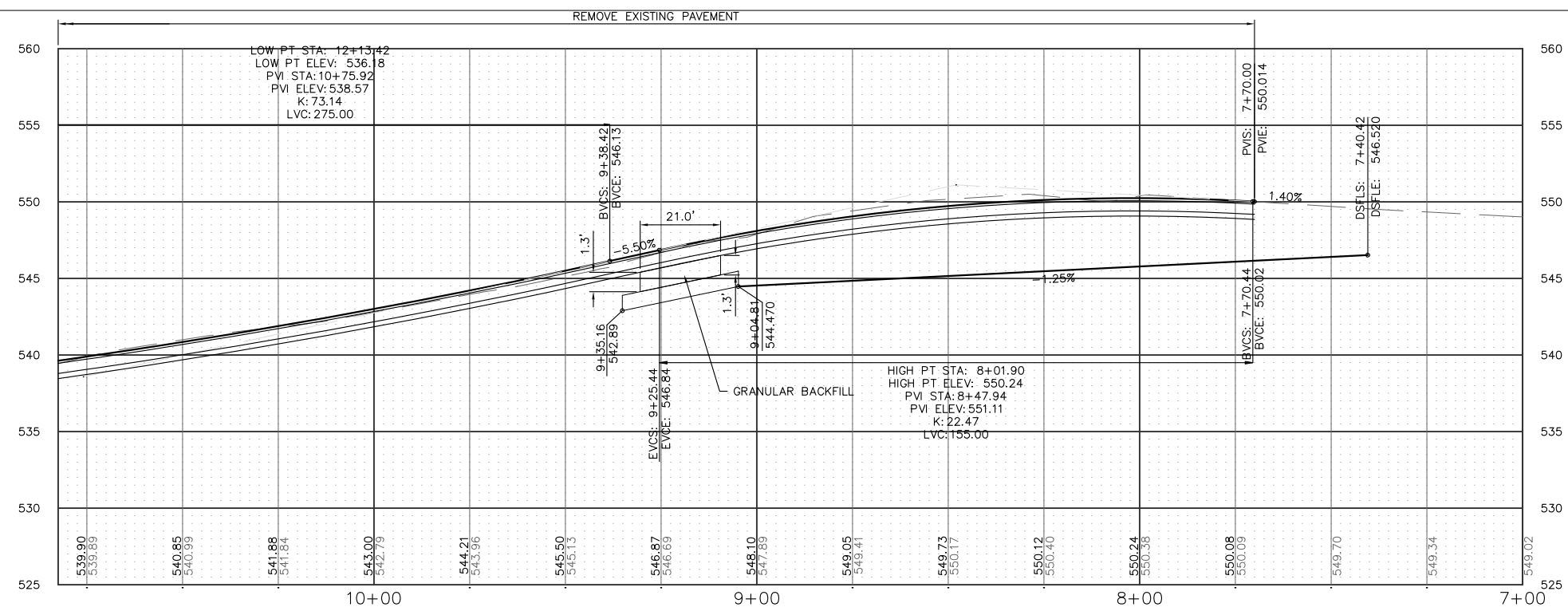
**CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI**



PROPOSED LEGEND

EX - EXISTING
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ATG - ADJUST TO GRADE
TBR - TO BE REMOVED
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AND RELOCATED

 - PR PCC ITEM
 - PR ASPHALT DRIVE
 - PR 2" BP-1 RESURFACING
 - PR 8" BIT PAVEMENT (BASE)
 - PR 3 1/2" TYPE A3 SHOULDER



Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
7/3/19

STATE	MO
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COUNTY
JEFFERSON

JOB NO.
11-18-03

CONTRACT ID.

PROJECT NO.	F Z O
P-5403(689)	

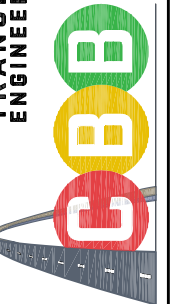
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TRAFFIC ENGINEERS & PLANNERS

12400 OLIVE BLVD., SUITE 430
ST. LOUIS, MO 63141
(314) 378-8644

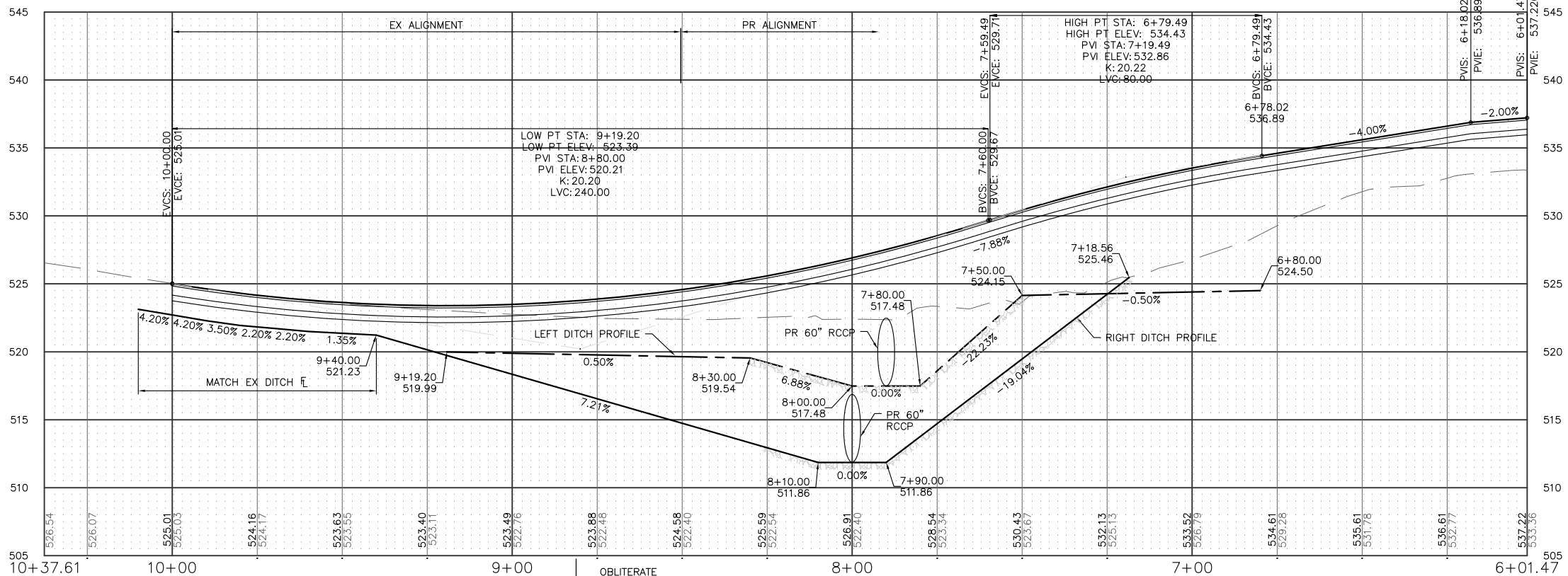
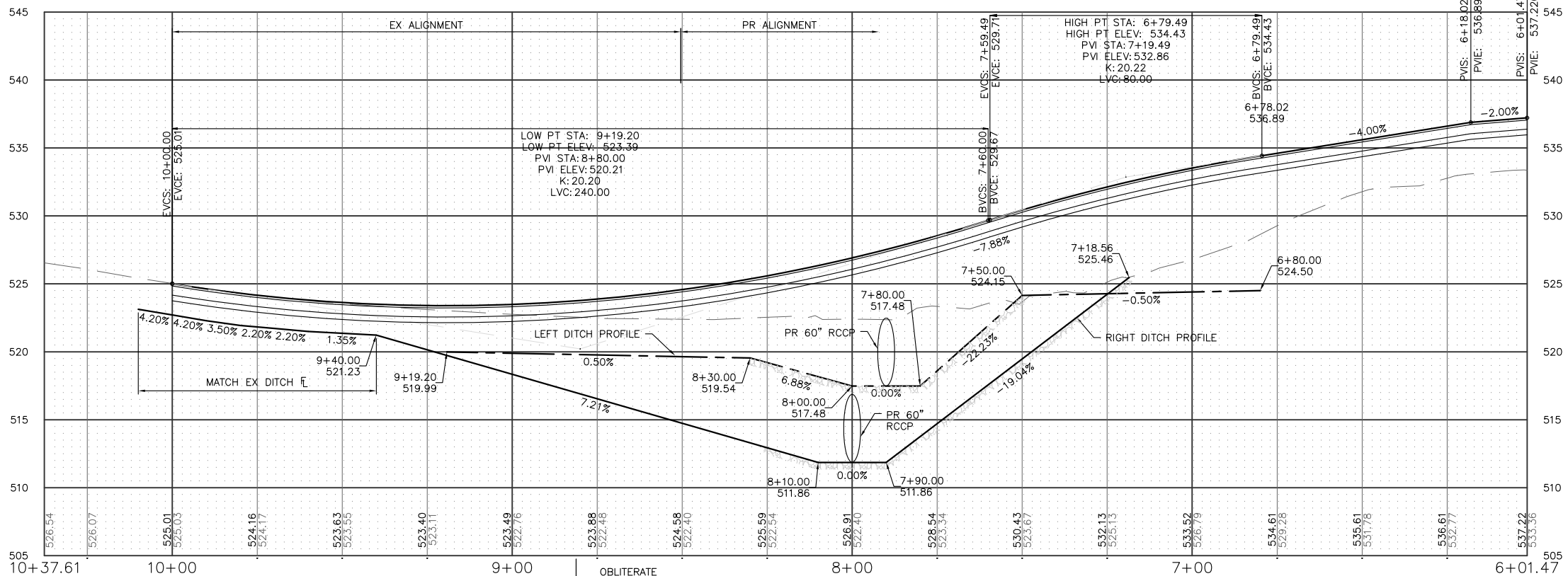
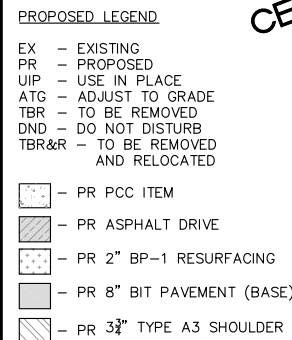
450 COTTONWOOD RD., SUITE B
GLEN CARBON, IL 62034
(618) 656-1212

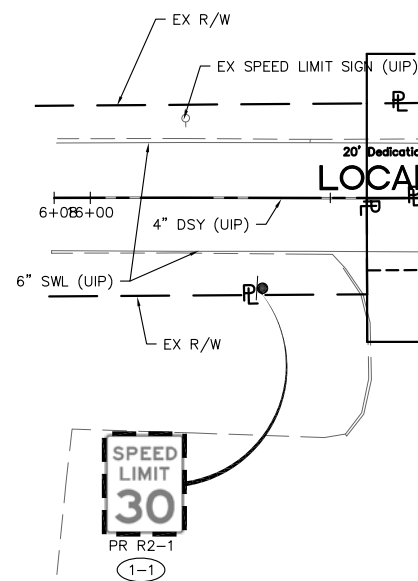
www.abtraffic.com



PLAN PROFILE
LOCAL HILLSBORO RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

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





PAVEMENT MARKING LEGEND

SWL	- SOLID WHITE LINE
WSD	- WHITE SKIP DASH
WASD	- WHITE ABBREVIATED SKIP DASH
SYL	- SOLID YELLOW LINE
YSD	- YELLOW SKIP DASH
DSY	- DOUBLE SOLID YELLOW LINE
L&S	- LETTER & SYMBOL
	- PROPOSED SIGN
	- SIGN RELOCATED BY CONTRACTOR
	- SIGN PROVIDED & INSTALLED BY LOCAL COUNTY FORCES

**TRANSPORTATION
ENGINEERS+PLANNERS**

12400 OLIVE BLVD, SUITE 430
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(618) 656-2612

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**PAVEMENT MARKING
PLAN**

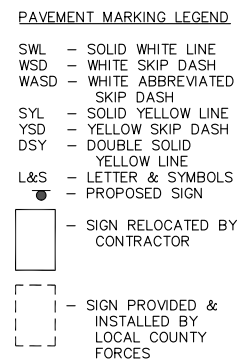


CIVIL ENGINEER	
DATE PREPARED 7/3/19	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 14
COUNTY JEFFERSON	
JOB NO. 011-18-03	
CONTRACT ID.	
PROJECT NO. STP-5403(689)	
BRIDGE NO.	

DESCRIPTION

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



Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE	STATE MO
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DISTRICT	SHEET NO.
SL	15

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.

STP-5403(689)

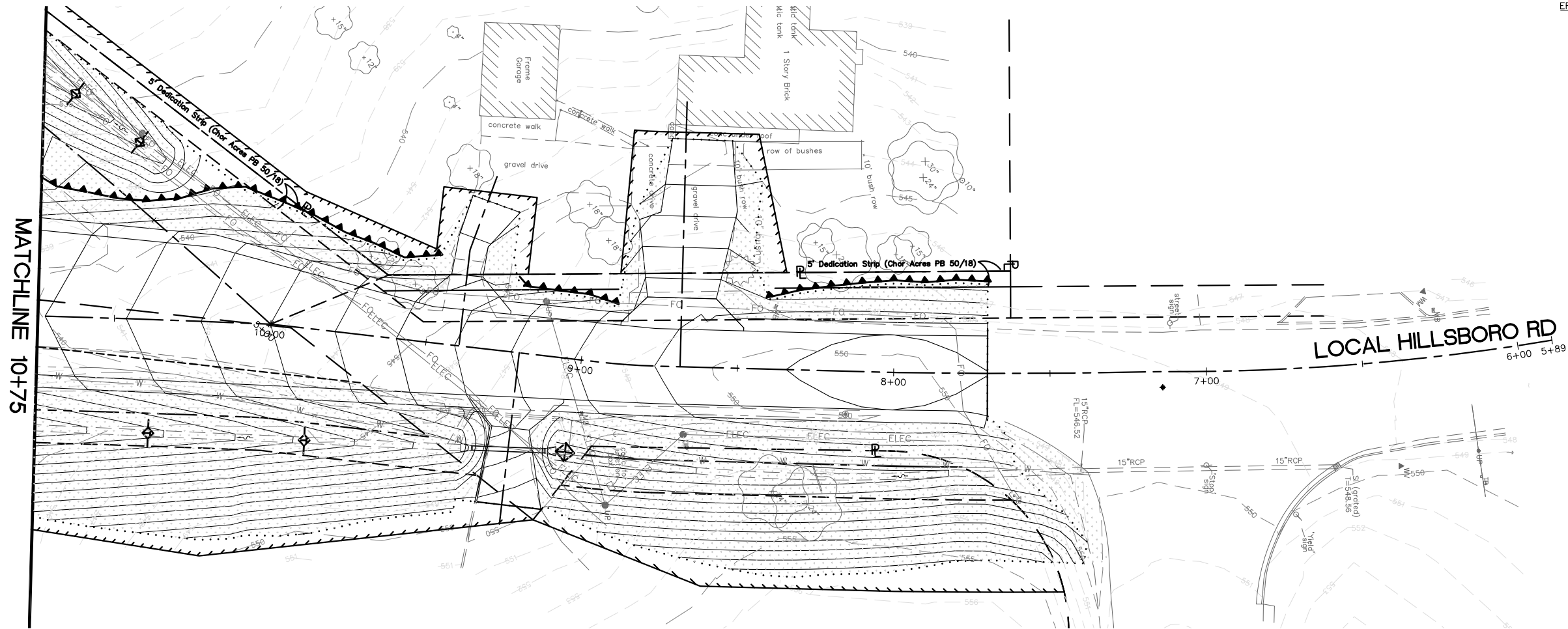
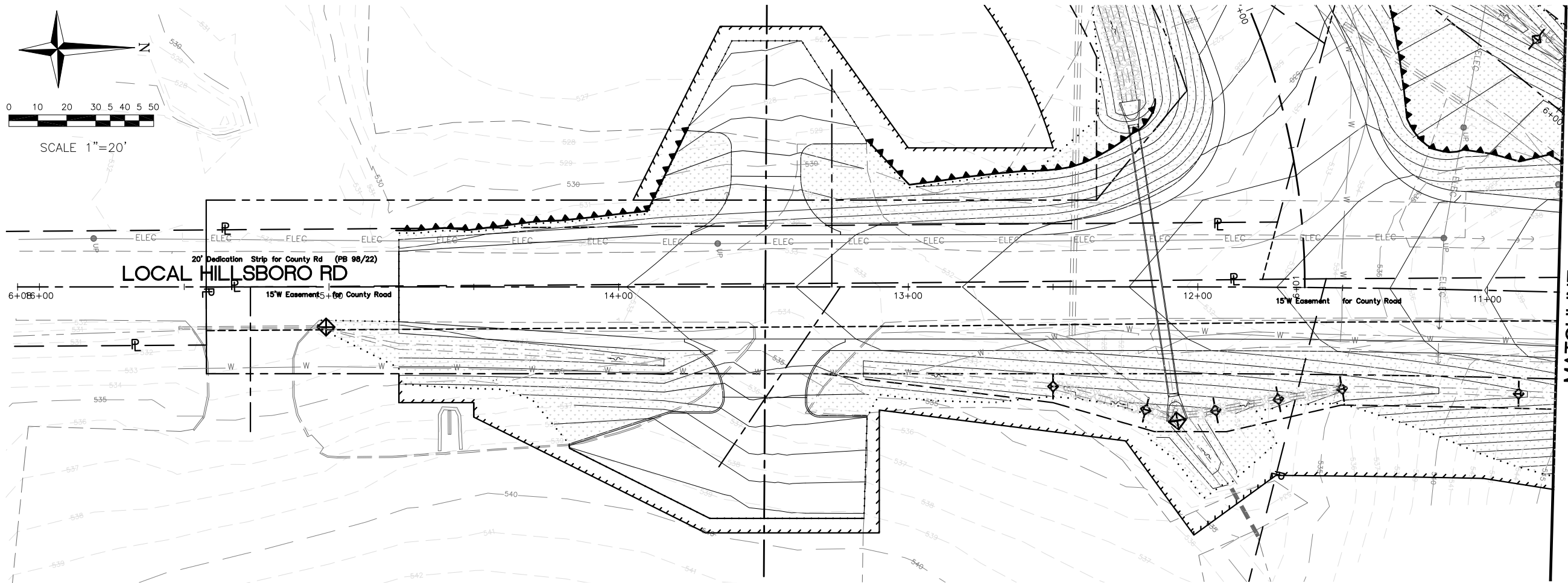
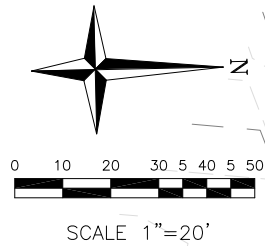
BRIDGE NO.

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ENGINEERS+PLANNERS

PAVEMENT MARKING PLAN

**CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI**

[illegible]



- EROSION CONTROL PLAN LEGEND
- SILT FENCE
 - TEMPORARY INLET CHECK
 - TEMPORARY ROCK DITCH CHECK
 - AREA TO BE TEMP./PERM. FERTILIZED/MULCHED/SEED

Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED

7/3/19

ROUTE

MO

DISTRICT

SL

SHEET NO.

16

COUNTY

JEFFERSON

JOB NO.

011-18-03

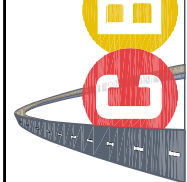
CONTRACT ID.

PROJECT NO.

STP-5403(689)

BRIDGE NO.

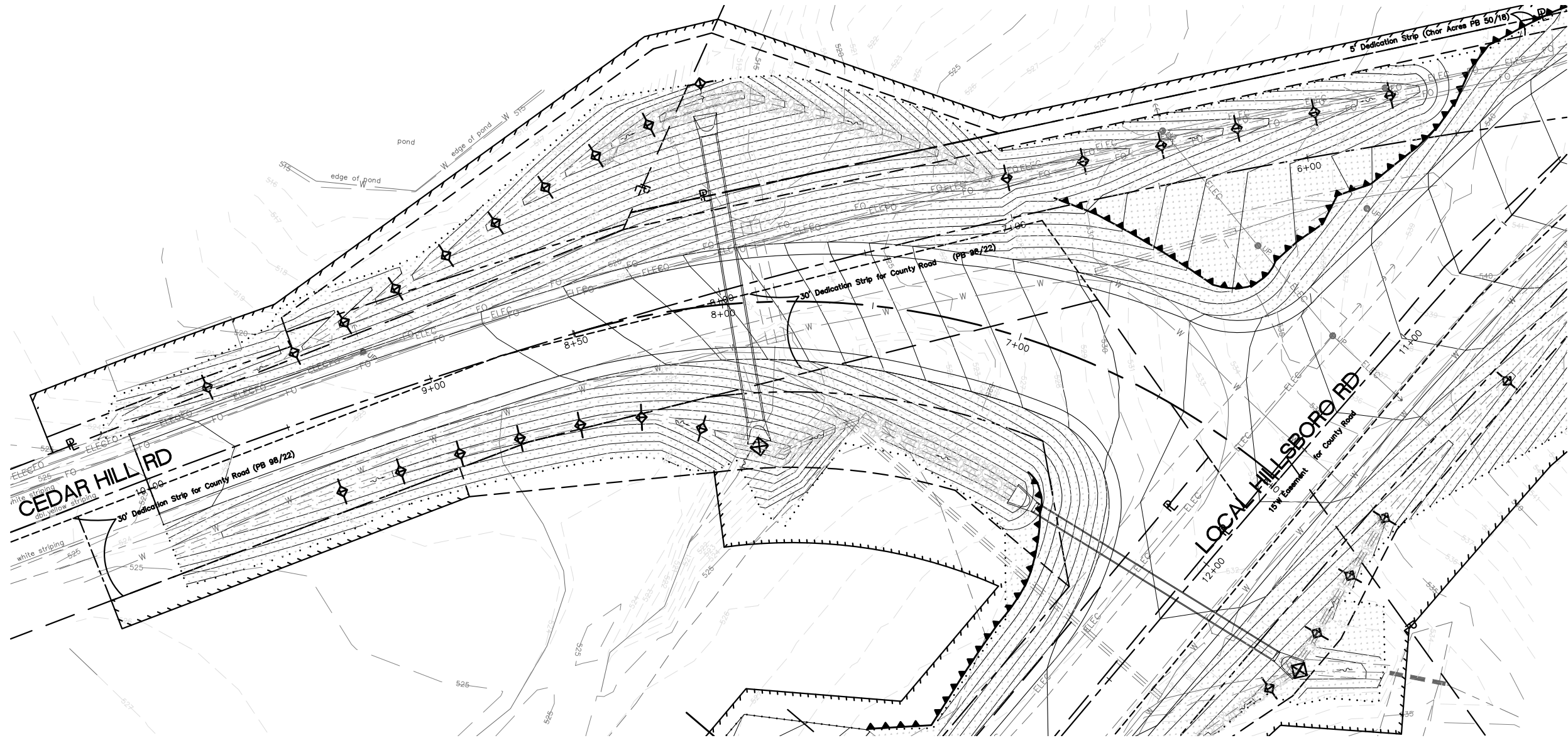
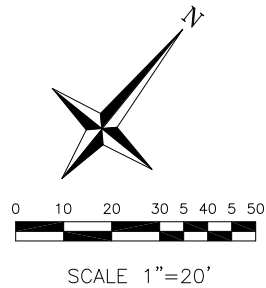
TRANSPORTATION
ENGINEERS+PLANNERS



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(314) 878-6644
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
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EROSION CONTROL PLAN
LOCAL HILLSBORO RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

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



- EROSION CONTROL PLAN LEGEND
- SILT FENCE
 - TEMPORARY INLET CHECK
 - TEMPORARY ROCK DITCH CHECK
 - AREA TO BE TEMP./PERM. FERTILIZED/MULCHED/SEED

Corporate Engineering
Certificate # 000381

CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE
SL

STATE
MO

DISTRICT
SL

SHEET NO.
17

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.

DATE	DESCRIPTION

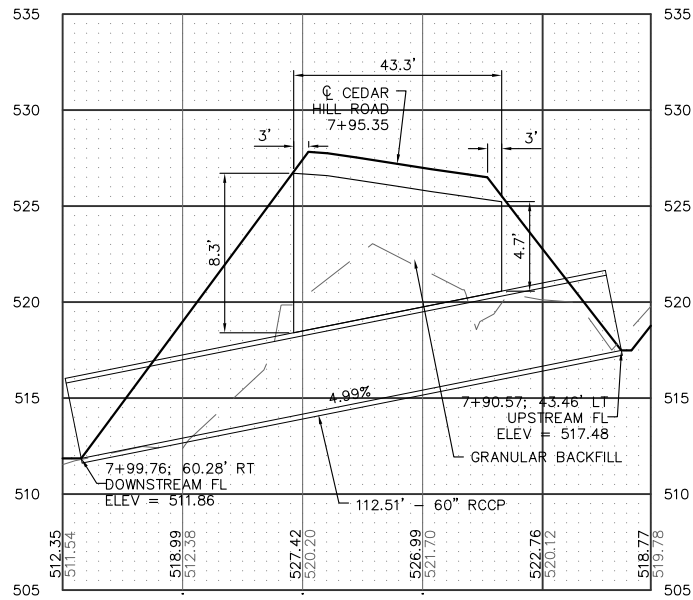
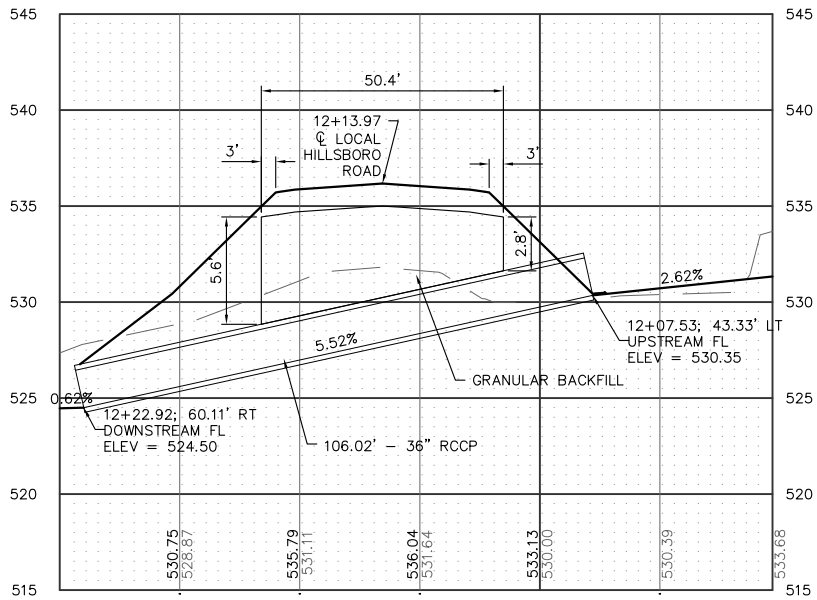
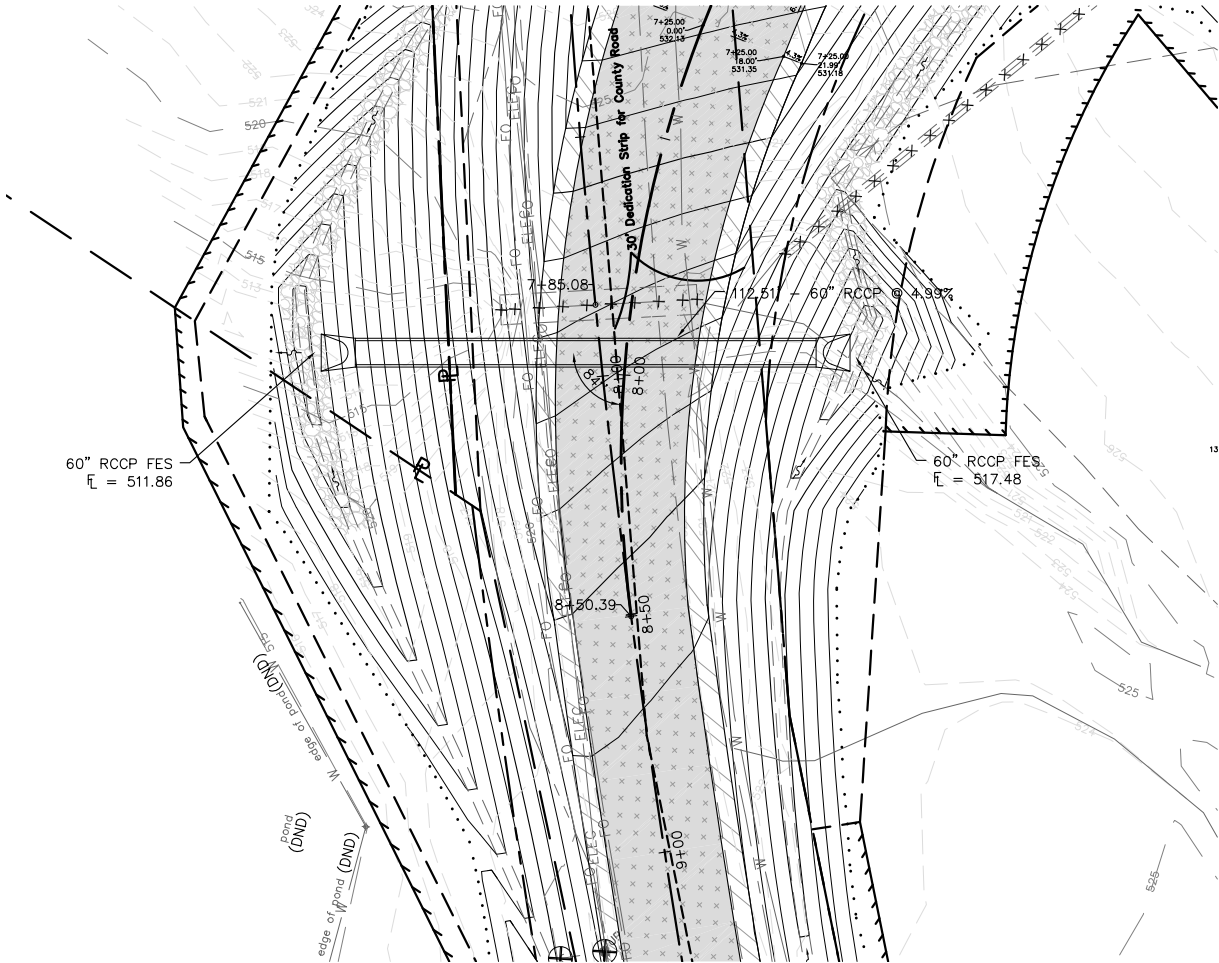
TRANSPORTATION
ENGINEERS+PLANNERS

12400 OLIVE BLVD, SUITE 430
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(314) 878-6844
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
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EROSION CONTROL PLAN
CEDAR HILL ROAD

CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

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



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

BRIAN E. COURTWRIGHT

NUMBER
PE-2006002817

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE
SL

STATE
MO

DISTRICT
20

SHEET NO.
20

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.

TRANSPORTATION
ENGINEERS+PLANNERS

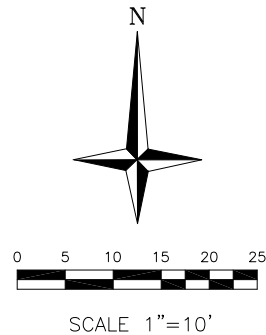
12400 OLIVER BLVD, SUITE 430
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(314) 878-6844

450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 656-2612
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DRAINAGE PLANS

CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

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



PROPOSED LEGEND

EX - EXISTING
PR - PROPOSED
UIP - USE IN PLACE
ATG - ADJUST TO GRADE
TBR - TO BE REMOVED
DND - DO NOT DISTURB
TBR&R - TO BE REMOVED AND RELOCATED

PR PCC ITEM
PR ASPHALT DRIVE
PR 2" BP-1 RESURFACING
PR 8" BIT PAVEMENT (BASE)
PR 3 1/2" TYPE A3 SHOULDER

X - EX ITEM TBR
⊗ - EX ITEM TBR&R
○ - EX ITEM ATG

Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
BRIAN E. COURTWRIGHT
PROFESSIONAL ENGINEER
NUMBER PE-2006002817

CIVIL ENGINEER

DATE PREPARED 7/3/19

ROUTE SL STATE MO

DISTRICT SL SHEET NO. 24

COUNTY JEFFERSON

JOB NO. 011-18-03

CONTRACT ID.

PROJECT NO. STP-5403(689)

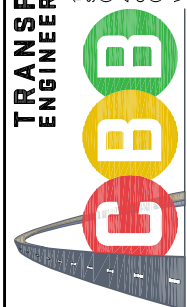
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DESCRIPTION

DATE

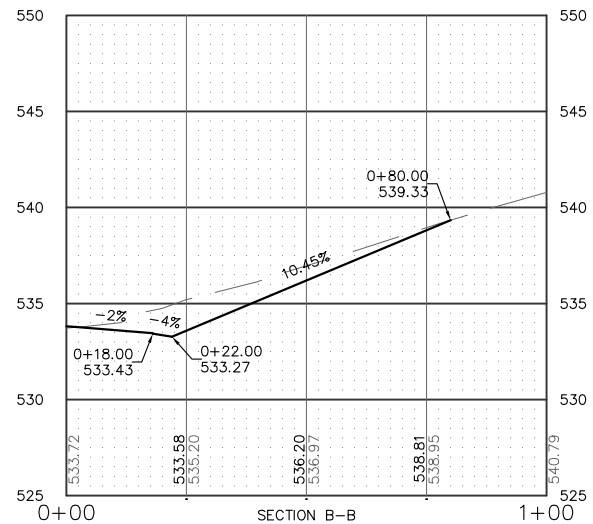
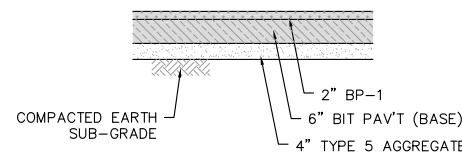
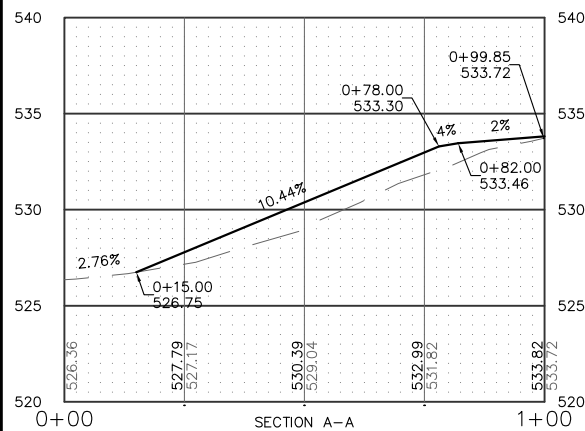
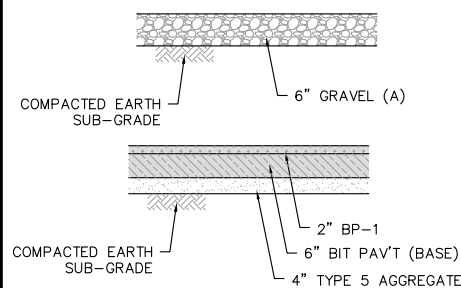
TRANSPORTATION
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(314) 878-4844
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 656-2612
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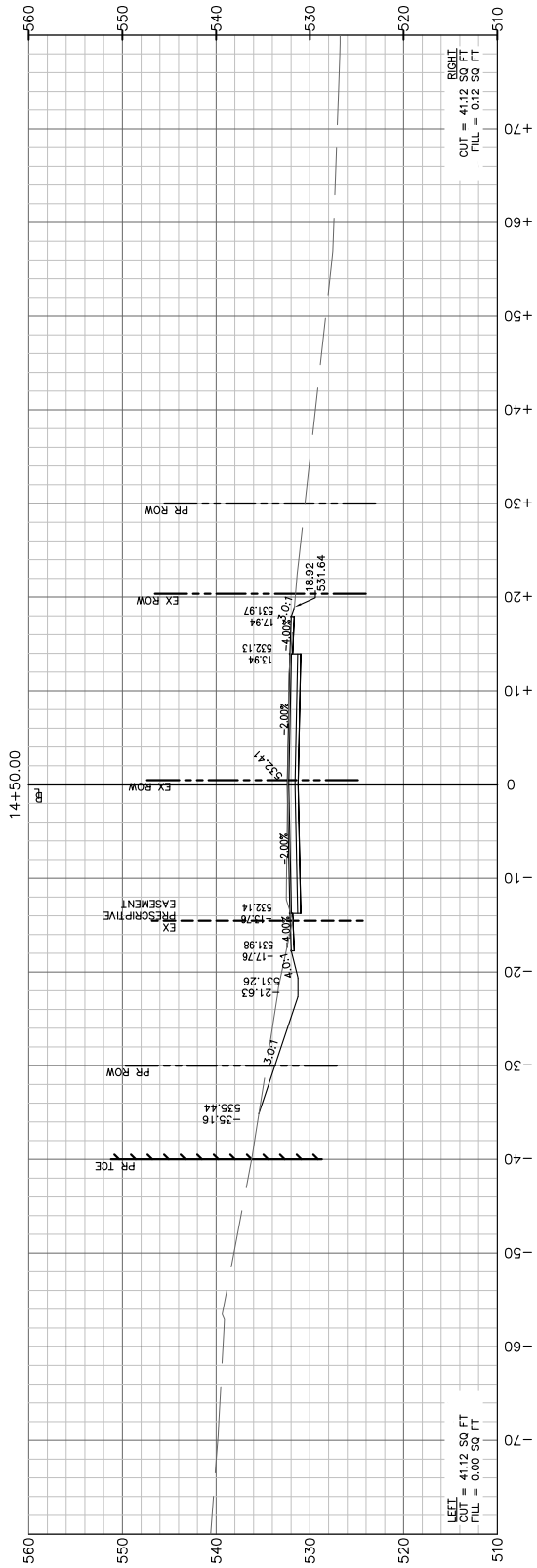


ENTRANCE DETAILS
LOCAL HILLSBORO RD

CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI



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



CROSS SECTIONS
LOCAL HILLSBORO RD
CEDAR HILL AND
LOCAL HILLSBORO
JEFFERSON COUNTY, MISSOURI

TRANSPORTATION
ENGINEERS+PLANNERS

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12400 OLIVE BLVD, SUITE 430
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(314) 878-4844
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
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Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

BRIAN E. COURTWRIGHT

NUMBER
PE-2006002617

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
7/3/19

ROUTE
STATE
MO

DISTRICT
SHEET NO.
SL31

COUNTY
JEFFERSON

JOB NO.
011-18-03

CONTRACT ID.

PROJECT NO.
STP-5403(689)

BRIDGE NO.

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