



ADDENDUM NUMBER TWO

DATE: May 15, 2019

OWNER: City of Union, Missouri
500 East Locust Street
Union, Missouri 63084

SUBJECT: Addendum Number Two to
N. Christina Ave. & Memorial Pkwy Bridge Replacements
Federal Project No. STP-6200(610) & STP6200(612)
Cochran Project No. SC15-468 & SC16-541

This Addendum forms a part of the Bidding and Contract Documents and modifies the original Bidding Documents. **FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDUM MAY SUBJECT BIDDER TO DISQUALIFICATION.**

ITEM:

1. REPLACE: In the Plans, the following sheets with the attached revised plan sheets.

N. Christina Avenue Plans

- Plan Sheet RD-1
- Plan Sheet RD-2
- Plan Sheet ST-1
- Plan Sheet XS-1

Memorial Parkway Bridge Plans

- Plan Sheet RW-1
- Plan Sheet XS-1
- Plan Sheet XS-2
- Plan Sheet XS-3

These revisions deal with text formatting issues for readability only. There is no change to the design.

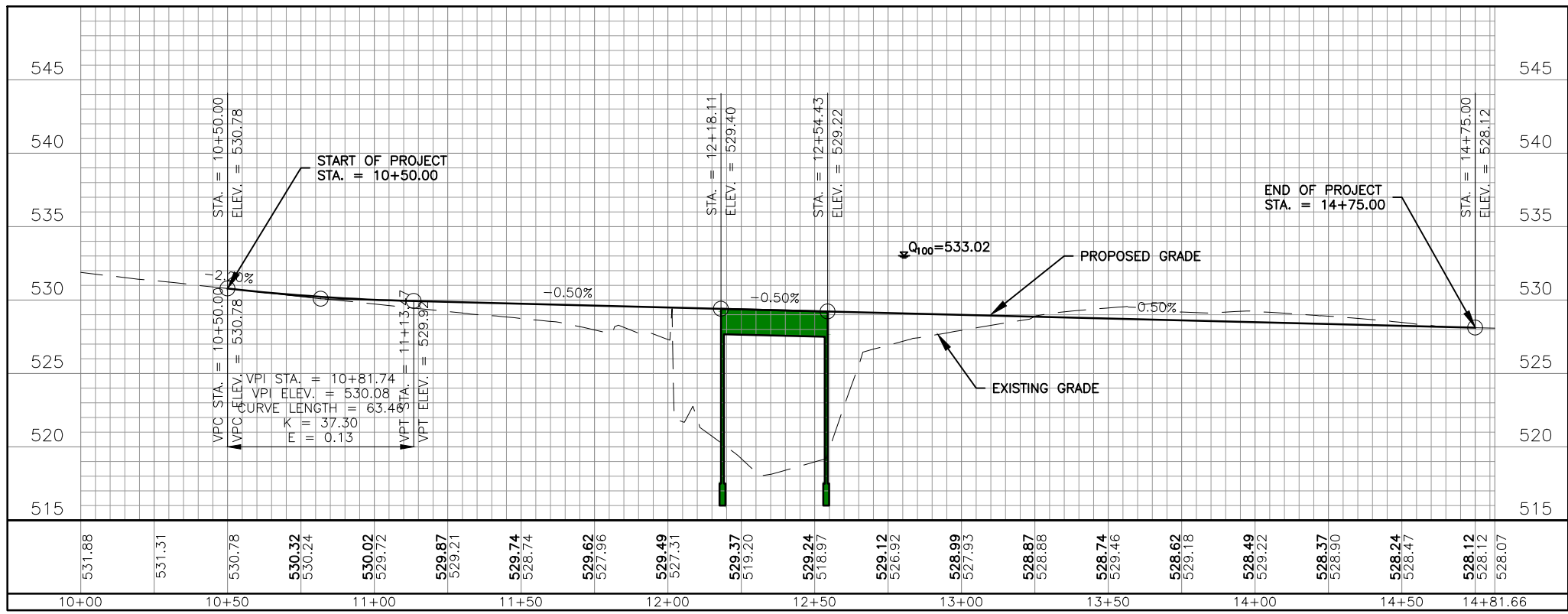
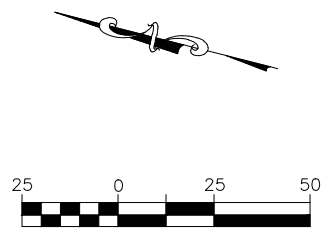
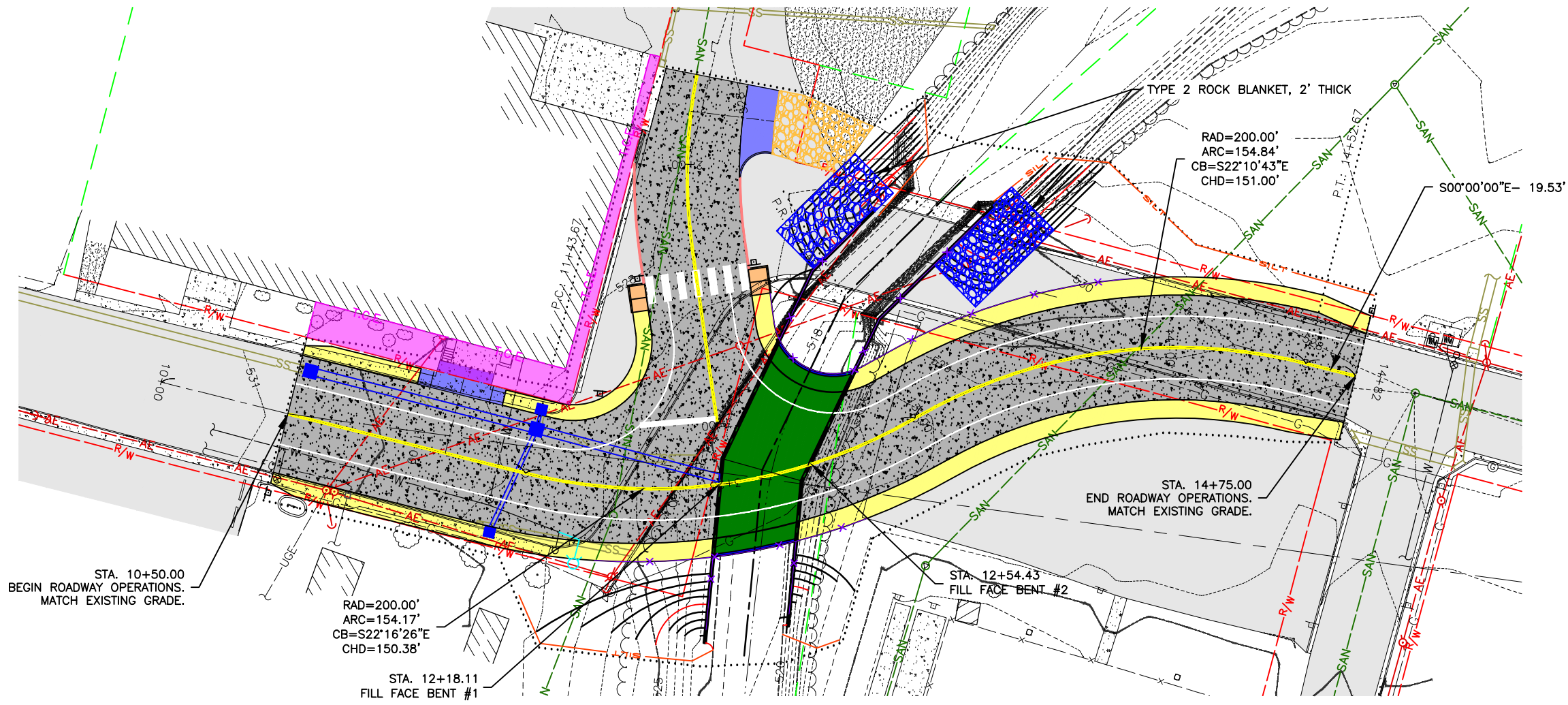
ATTACHMENTS:

N. Christina Avenue Plans - Plan Sheets RD-1, RD-2, ST-1 and XS-1

Memorial Parkway Bridge Plans - Plan Sheet RW-1, XS-1, XS-2 and XS-3

END ADDENDUM NO. 2

PLAN AND PROFILE – CHRISTINA AVENUE



314-842-4033 (tel.)
314-842-5957 (fax)
www.cochraneng.com

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737 RUDDER ROAD
FENTON, MISSOURI 65026

Civil Engineering
Land Surveying
Architecture
Site Development
Master Planning
General Consulting

ENGINEERING CERTIFICATE OF AUTHORITY NUMBER – 2007006937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER – 2007004529

Three working days prior to the start of any excavation on this site, contractor shall submit to the City of Union a copy of the proposed utility location information.

All OSHA rules and regulations shall be strictly followed (e.g. trenching, blasting, etc.)

N. CHRISTINA AVENUE BRIDGE REPLACEMENT

FEDERAL PROJECT NO. STP-6200(610)

CITY OF UNION, MISSOURI

PLAN & PROFILE - CHRISTINA AVENUE

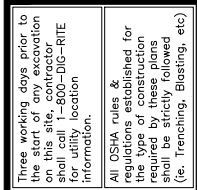
DATE:	REVISION:	DWN. BY:	APPD. BY:
		A.J.M.	B.B.D.

DATE: JUNE 2018

SCALE: 1" = 50'

PROJ. NO.: SC15-468

DWG. NO.: RD-1



*N. CHRISTINA AVENUE BRIDGE REPLACEMENT
FEDERAL PROJECT NO. STP-6200(610)
CITY OF UNION, MISSOURI*

PLAN & PROFILE - WATER STREET	REVISION:					
	DATE:					
	DWN. BY:	A.J.M.	APPPD BY:	B.B.D.		
	DATE:	JUNE 2018				
	SCALE:	1" = 50'				
	PROJ. NO:	SC15-468				
	DWG. NO:	RD-2				



Drawing name: J:\SC15-468 Union - N. Christina Ave. Bridge\AUTOCAD DRAWINGS\STORM SEWER PLAN AND PROFILE.dwg Tab: ST-1 Plotted on: May 14, 2019 - 2:36pm Plotted by: kwloff



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- General Consulting

CERTIFICATE OF AUTHORITY NUMBER — 006937

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on this site, contractor shall call 1-800-DIG-RITE for utility location information.

FEDERAL PROJECT NO. STP-6200(610)
CITY OF UNION, MISSOURI

DWG. BY: <i>APTD. BY:</i>					
REVISION:					
DATE:					
DWN. BY: <i>APTD. BY:</i>	<i>A.J.M.</i>	<i>B.B.D.</i>			
DATE:	JUNE 2018				
SCALE:	1" = 50'				
PROJ. NO:	SC15-468				
DWG. NO:					
<i>ST-1</i>					

Diagram illustrating the cross-section of a road at station 11+50.00. The vertical axis shows elevation (520 to 535) and the horizontal axis shows stationing (-40 to 40). The road profile is shown with a central lane (cyan) and shoulders (yellow). The road is flanked by embankments (green). A red vertical line marks the centerline (C/L). An arrow points to the right shoulder edge.



Three working days prior to the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.	All OSHA rules & regulations established for the type of construction required by these plans shall be strictly followed (i.e. Trenching, Blasting, etc)
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*N. CHRISTINA AVENUE BRIDGE REPLACEMENT
FEDERAL PROJECT NO. STP-6200(610)
CITY OF UNION, MISSOURI*

CROSS SECTIONS	DATE:	DWN. BY:	APPD. BY:
	JUNE 2018	A.J.M.	B.B.D.
SCALE:	1" = 10'		
PROJ. NO:	SC15-468		
DWG. NO:	XS-1		

Drawing name: J:\SC15-468 Union - N. Christina Ave. Bridge\AUTOCAD DRAWINGS\CROSS SECTIONS.dwg Tab: XS-1 Plotted on: May 14, 2019 - 3:30pm Plotted by: kwloff

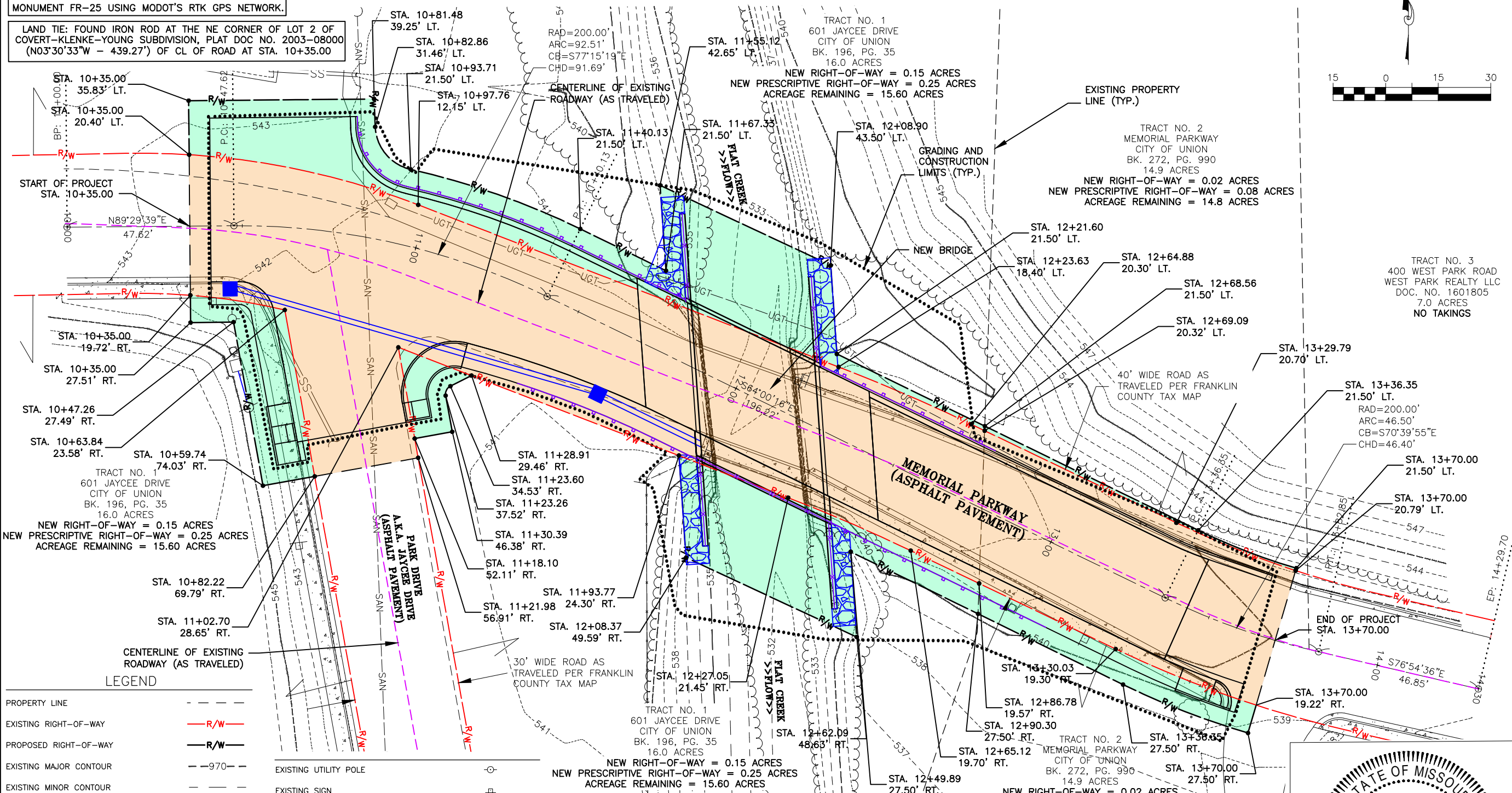
THIS SITE LIES ENTIRELY WITHIN
SECTION 27, T43N, R1W

THIS PROJECT IS ORIENTED TO GRID NORTH DERIVED
FROM GPS OBSERVATIONS OF MISSOURI GRS
MONUMENT FR-25 USING MODOT'S RTK GPS NETWORK.

LAND TIE: FOUND IRON ROD AT THE NE CORNER OF LOT 2 OF
COVERT-KLENKE-YOUNG SUBDIVISION, PLAT DOC NO. 2003-08000
(N03°30'33"W - 439.27') OF CL OF ROAD AT STA. 10+35.00

RIGHT-OF-WAY PLAN

(THIS DOES NOT CONSTITUTE A BOUNDARY SURVEY)



TRACT NO. 3
400 WEST PARK ROAD
WEST PARK REALTY LLC
DOC. NO. 1601805
7.0 ACRES
NO TAKINGS

NEW RIGHT-OF-WAY = 0.15 ACRES
NEW PRESCRIPTIVE RIGHT-OF-WAY = 0.25 ACRES
ACREAGE REMAINING = 15.60 ACRES

NEW RIGHT-OF-WAY = 0.02 ACRES
NEW PRESCRIPTIVE RIGHT-OF-WAY = 0.08 ACRES
ACREAGE REMAINING = 14.8 ACRES

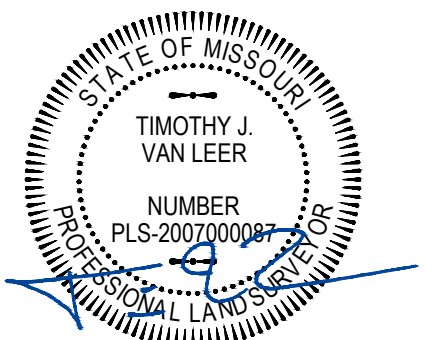
SURVEYOR'S CERTIFICATION:

THIS IS TO CERTIFY THAT COCHRAN HAS, DURING THE MONTH OF JANUARY, 2018, AT THE REQUEST OF THE CITY OF UNION, SHOWN THE LOCATION OF THE PROPOSED RIGHT-OF-WAY, AND PREPARED RIGHT-OF-WAY PLANS, FOR THE MEMORIAL PARKWAY BRIDGE REPLACEMENT PROJECT, FEDERAL PROJECT NUMBER STP-6200(612), SITUATED IN SECTION 27, TOWNSHIP 43 NORTH, RANGE 1 WEST, UNION, MISSOURI, AND THE RESULTS ARE AS SHOWN HEREON. THESE RIGHT-OF-WAY PLANS HAVE BEEN PREPARED IN RELIANCE ON SURVEYS AND PLANS PREVIOUSLY PROVIDED TO COCHRAN. THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR MAY NOT HAVE INDIVIDUALLY SUPERVISED OR VERIFIED ALL ASPECTS OF SAID PRIOR SURVEY(S). THE PRIOR SURVEY(S) MAY CONTAIN MORE INFORMATION THAN THESE PLANS REFLECT. THESE PLANS DO NOT CONSTITUTE A RECENT SURVEY FULLY MEETING THE MISSOURI SURVEY STANDARDS FOR PROPERTY BOUNDARY SURVEYS, BUT ARE BASED ON PRIOR SURVEYS THAT WERE CERTIFIED AS MEETING THOSE STANDARDS.

IN RELIANCE ON THE AFOREMENTIONED PRIOR SURVEY(S), THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR HAS MADE AN OFFICE REVIEW AND CALCULATIONS TO VERIFY THAT THE BEARINGS AND DISTANCES SHOWN HEREON OF THE PROPOSED RIGHT-OF-WAY ACQUISITION PARCELS ONLY HAVE BEEN VERIFIED BY CALCULATION TO MATHEMATICALLY CLOSE BETTER THAN 1 IN 5000.

MONUMENTS SHOWN HEREON ARE AS CALLED FOR ON SAID PRIOR SURVEY(S), AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NO MONUMENTS HAVE BEEN SET MARKING THE CONTROLLING CORNERS OF THE ULTIMATE PROPOSED RIGHT-OF-WAY AS OF THE DATE OF THIS CERTIFICATION. MONUMENTS WILL NOT BE SET AT THE CONTROLLING CORNERS OF THE FINAL RIGHT-OF-WAY CORRIDOR UPON COMPLETION OF CONSTRUCTION OF THIS PROJECT.

PURSUANT TO SECTION 327.411 RSMO, THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR HEREBY DISCLAIMS ANY RESPONSIBILITY FOR ENGINEERING DESIGN ASPECTS SHOWN ON ANY PART OF THESE PLANS, AND FURTHER DISCLAIMS RESPONSIBILITY FOR ANY INFORMATION SHOWN ON INDIVIDUAL PLAN SHEETS OR PROJECT DOCUMENTS OF ANY KIND THAT ARE NOT SPECIFICALLY SIGNED AND SEALED BY THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR. THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR'S SIGNATURE AND SEAL ON THIS SHEET ARE VOID UNLESS ALL REFERENCED PLAN SHEETS REMAIN ATTACHED, AND SHALL BE MADE VOID BY ANY FUTURE PLAN CHANGE THAT DELETES OR OBSCURES SURVEY RELATED DATA ON THIS OR ANY REFERENCED PLAN SHEET, UNLESS THE UNDERSIGNED PROFESSIONAL LAND SURVEYOR HAS SPECIFICALLY SIGNED AND SEALED SAID CHANGE AS A REVISION.



THIS SHEET HAS BEEN SIGNED, SEALED
AND DATED ELECTRONICALLY

Timothy J. Van Leer #2007000087
State of Missouri, Professional Land Surveyor
For SC Engineering LLC
DBA Cochran LS 2007004529 D

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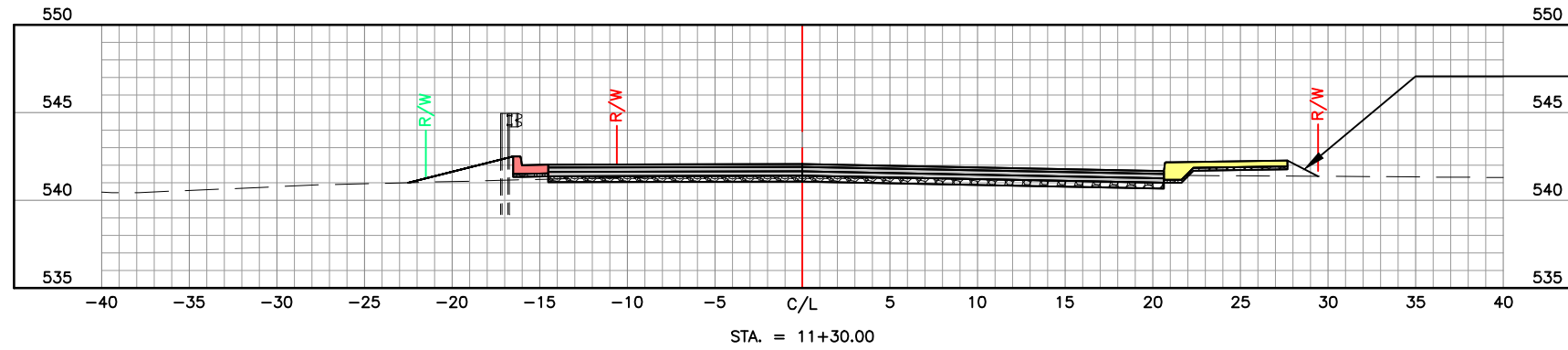
737 RUDDER ROAD
FENTON, MISSOURI 63026

Three working days prior to the start of any excavation on this site, contractor shall submit to the utility location information.
All OSHA rules & regulations shall be strictly followed for the type of construction required by these plans (e.g. trenching, blasting, etc.)

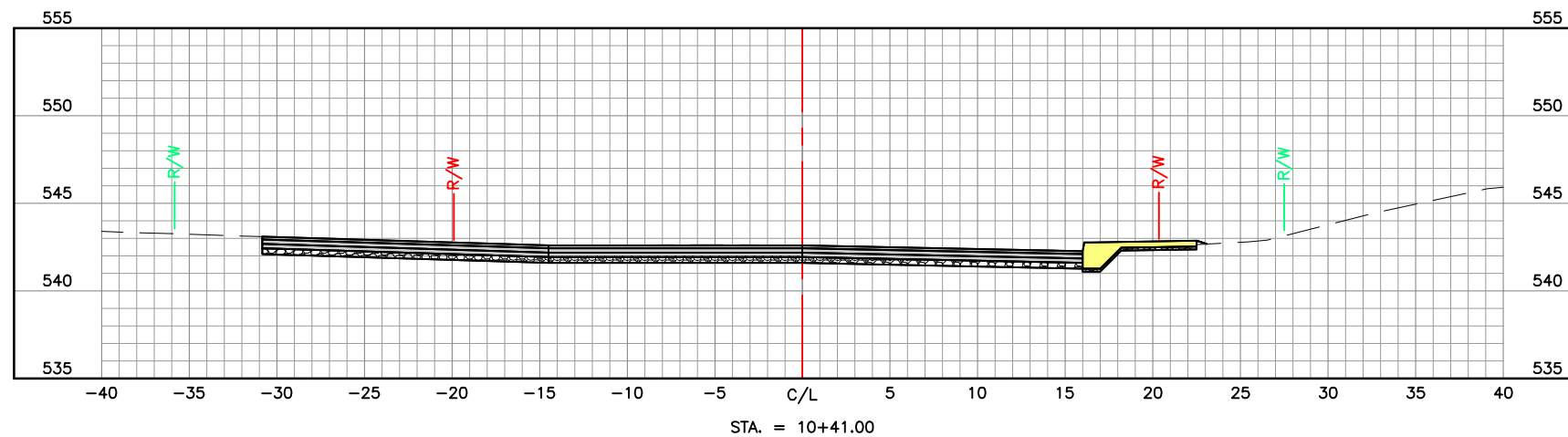
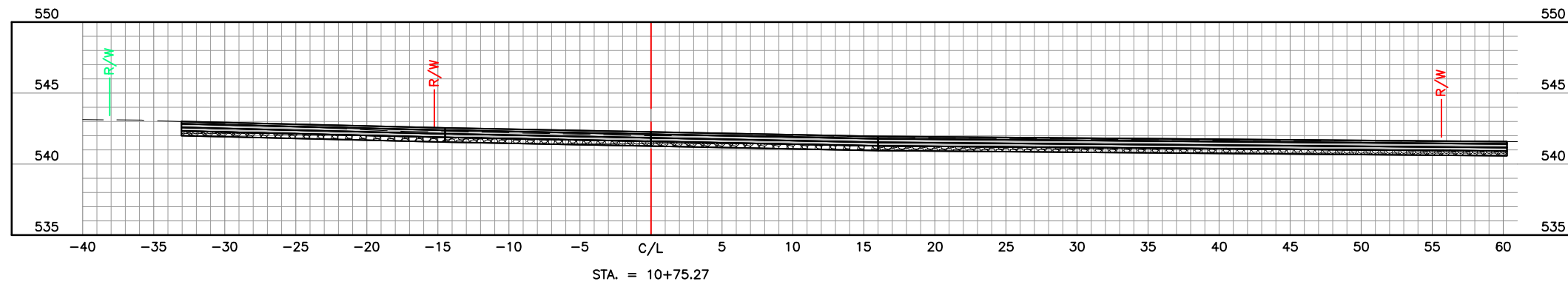
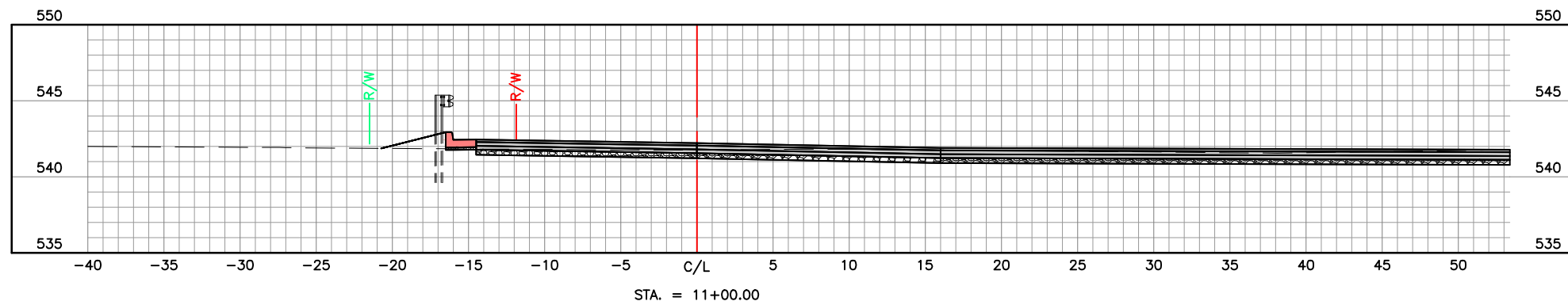
MEMORIAL PARKWAY BRIDGE
FEDERAL PROJECT NO. STP-6200(612)
CITY OF UNION, MISSOURI

RIGHT-OF-WAY PLAN			
DWG. NO.	SC16-541	DATE	2/14/18
DWN. BY	K.M.W.	APPD. BY	T.J.V.
SCALE	1" = 30'		
PROJ. NO.	SC16-541		
DWG. NO.	RW-1		

CROSS SECTIONS



— PLACE ASPHALT FILL
AGAINST ASPHALT SURFACE
AT PARKING LOT
INCIDENTAL TO SIDEWALK
CONSTRUCTION



DATE _____

Bradford Dunagan No. E-22970
Registered Professional Engineer
State of Missouri for Cochran



CROSS SECTIONS	DATE:	RETISON:	DWN. BY:	APPLY BY:
	DWN. BY:	APPLY BY:		
	A.J.M.	B.B.D.		
	DATE:			
	AUGUST 2018			
	SCALE:			
	1" = 10'			
	PROJ. NO:			
	SC16-541			
	DWG. NO:			
	<i>XS-1</i>			

MEMORIAL PARKWAY BRIDGE
FEDERAL PROJECT NO. STP-6200(612)
CITY OF UNION, MISSOURI

Three working days prior to the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.	All OSHA rules & regulations established for the type of construction required by these plans shall be strictly followed (i.e. Trenching, Blasting, etc)
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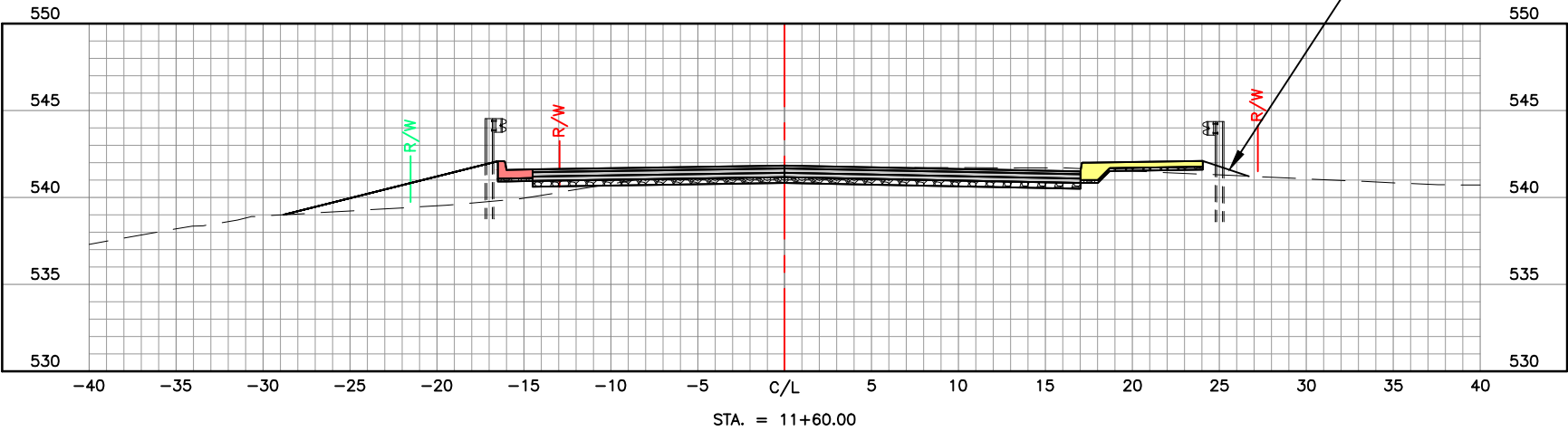
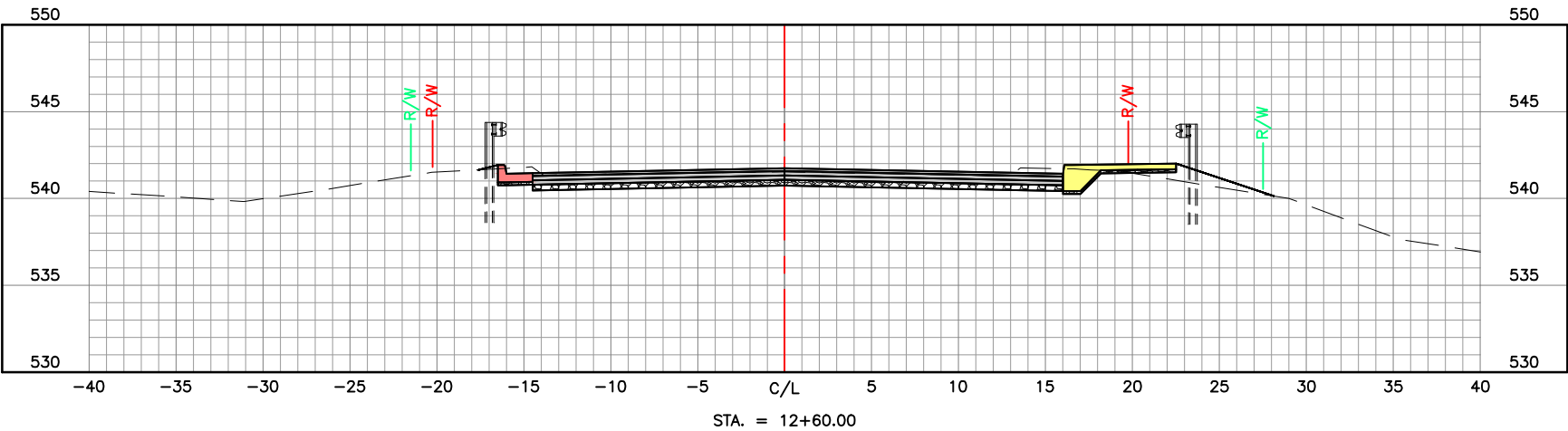
COCHRAN

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FENTON, MISSOURI 63026

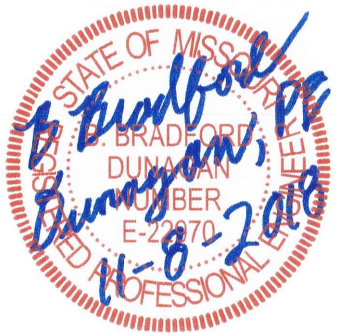
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CERTIFICATE OF AUTHORITY NUMBER — 006937



PLACE ASPHALT FILL
AGAINST ASPHALT SURFACE
AT PARKING LOT
INCIDENTAL TO SIDEWALK
CONSTRUCTION



Bradford Dunagan No. E-22970
Registered Professional Engineer
State of Missouri for Cochran

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- Site Development
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CERTIFICATE OF AUTHORITY NUMBER — 0069837

the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.

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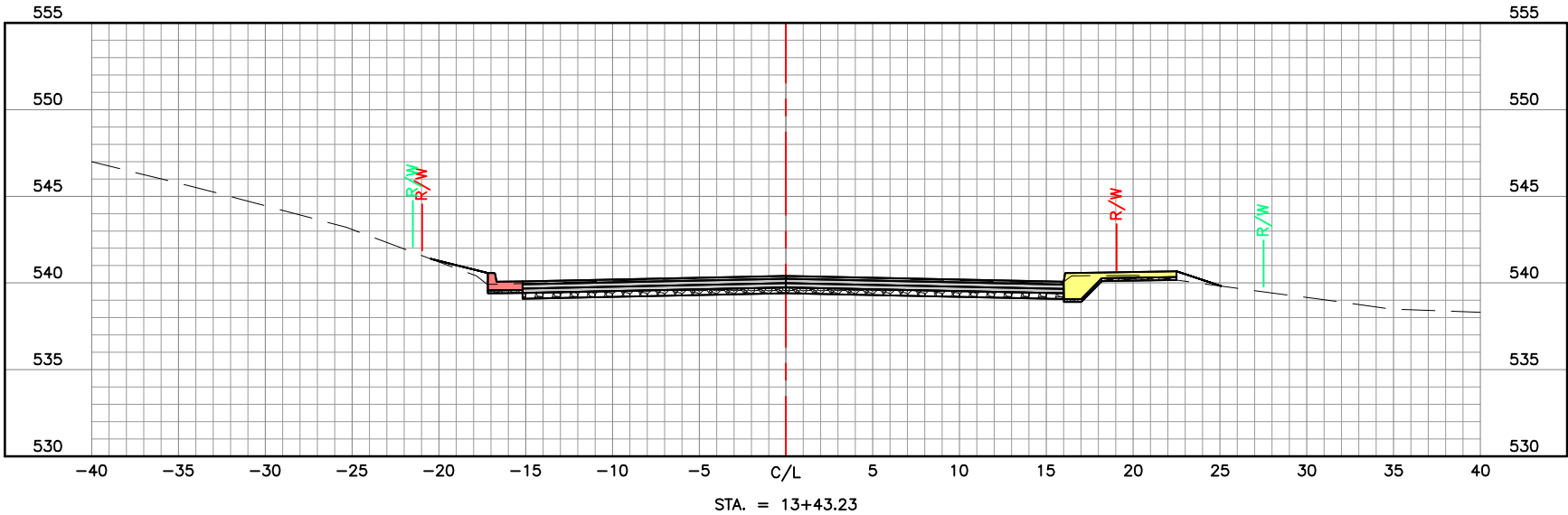
MEMORIAL PARKWAY BRIDGE
FEDERAL PROJECT NO. STP-6200(612)
CITY OF UNION, MISSOURI

CROSS SECTIONS	DATE:		RETURN:		DWN. BY:	APPD. BY:
DWN. BY:		APPD. BY:				
A.J.M.		B.B.D.				
DATE:						
AUGUST 2018						
SCALE:						
1" = 10'						
PROJ. NO:						
SC16-541						
DWG. NO:						
XS-2						

Drawing name: J:\SC16-541 Union - Memorial Parkway Bridge\AUTOCAD DRAWINGS\CROSS SECTIONS.dwg Tab: XS-2 Plotted on: May 14, 2019 - 3:07pm Plotted by: kwolff

Drawing name: U:\SC16-541 Union - Memorial Parkway Bridge\AUTOCAD DRAWINGS\CROSS SECTIONS.dwg Tab: XS-3 Plotted on: May 14, 2019 - 3:07pm Plotted by: kwloff

CROSS SECTIONS



Bradford Dunagan No. E-22970
Registered Professional Engineer
State of Missouri for Cochran

737 RUDDER ROAD
FENTON, MISSOURI 63026

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Three working days prior to the start of any excavation on this site, contractor shall submit to the City of Union a copy of the proposed excavation information.
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CERTIFICATE OF AUTHORITY NUMBER - 006937

MEMORIAL PARKWAY BRIDGE
FEDERAL PROJECT NO. STP-6200(612)
CITY OF UNION, MISSOURI

CROSS SECTIONS		DATE	REVISION	DWN. BY	APPD. BY
DATE					
DWN. BY		A.J.M.			
APPD. BY		B.B.D.			
DATE		AUGUST 2018			
SCALE		1" = 10'			
PROJ. NO.		SC16-541			
DWG. NO.		XS-3			