FINAL PLANS FOR PART A
PROJECT REDBIRD – NORTH IMPROVEMENTS (PHASE 2)
ST. PIUS/VFW DR, NORTH ACCESS RD, AIRPORT RD, CALVARY CHURCH RD, SOUTH ACCESS RD, US61/67

JEFFERSON COUNTY PROJECT
MODOT PROJECT NO. SNS-0025

CRYSTAL CITY, JEFFERSON COUNTY, MISSOURI
JASON JONAS, P.E., P.M.P.
DIRECTOR OF PUBLIC WORKS
DAN DAUHEIM, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS

DESIGN DESIGNATION

ST. PIUS DR. / VFW DR.
2024 A.A.D.T.=500–1000
2044 A.A.D.T.=500–1000
EXIST. POSTED V = 20MPH
PROP. POSTED V = 20MPH
PROP. DESIGN V = 25MPH
FUNCTIONAL CLASSIFICATION = LOCAL ROAD

NORTH ACCESS ROAD
2024 A.A.D.T. = 500–1000
2044 A.A.D.T. = 500–1000
EXIST. POSTED V = N/A
PROP. POSTED V = 20MPH
PROP. DESIGN V = 25MPH
FUNCTIONAL CLASSIFICATION = LOCAL ROAD

CALVARY CHURCH ROAD
2024 A.A.D.T.=500–1000
2044 A.A.D.T.=500–1000
EXIST. POSTED V = N/A
PROP. POSTED V = 30MPH
PROP. DESIGN V = 35MPH
FUNCTIONAL CLASSIFICATION = LOCAL ROAD

SOUTH ACCESS ROAD
2024 A.A.D.T.=500–1000
2044 A.A.D.T.=500–1000
EXIST. POSTED V = N/A
PROP. POSTED V = 25MPH
PROP. DESIGN V = 25MPH
FUNCTIONAL CLASSIFICATION = LOCAL ROAD

US ROUTE 61
2024 A.A.D.T.=6171
2044 A.A.D.T.=7530
EXIST. POSTED V = 40MPH
PROP. POSTED V = 40MPH
PROP. DESIGN V = 45MPH
FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR

US ROUTE 67
2024 A.A.D.T.=9622
2044 A.A.D.T.=11741
EXIST. POSTED V = 45MPH
PROP. POSTED V = 45MPH
PROP. DESIGN V = 50MPH
FUNCTIONAL CLASSIFICATION = FREEWAY/EXPRESSWAY

NORMAL ACCESS RIGHT OF WAY IS TO BE ACQUIRED FOR THIS PROJECT.

DESIGN GUIDELINES

AASHTO, "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS," 7TH EDITION, 2018

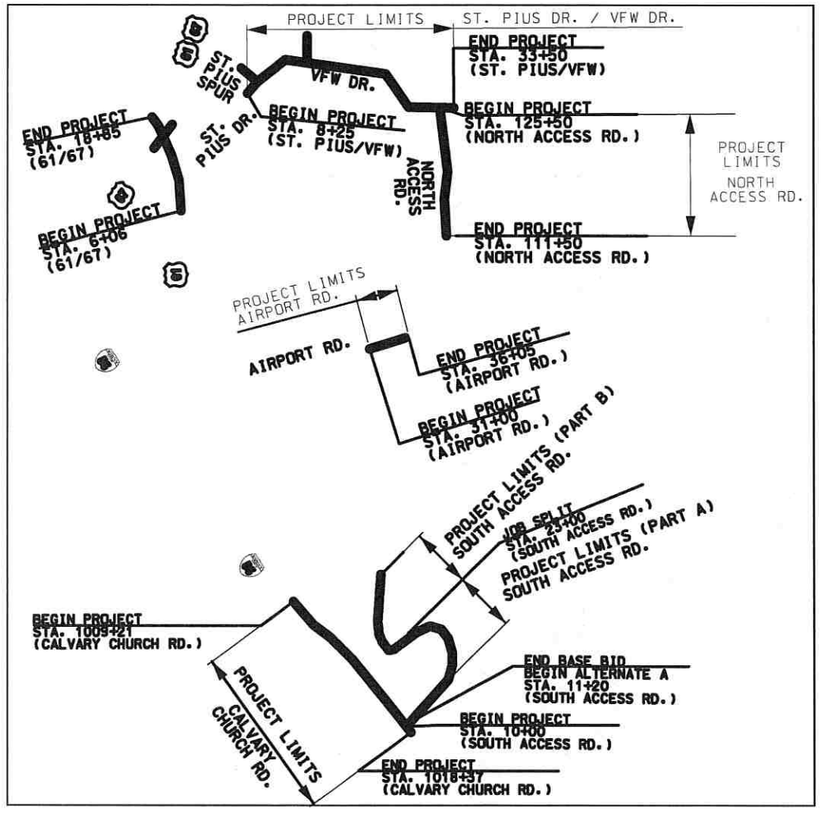
AASHTO, "HIGHWAY SAFETY MANUAL," 1ST EDITION, 2010

MODOT ENGINEERING POLICY GUIDE

FHWA, "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," 11TH EDITION

UTILITIES

LUMEN:	TIM DUBOIS TIMOTHY.DUBOIS@ LUMEN.COM RELOCATIONS@ LUMEN.COM (C) 314-557-6409
SPIRE:	BRIAN LANGENBACHER BRIAN.LANGENBACHER@ SPIREENERGY.COM (C) 314-713-6572
PWSD #12:	BRAD BRYANT BRAD.BRYANT@ PWSD12.COM (C) 636-937-9697
CITY OF CRYSTAL CITY (WATER/SEWER):	DAVE PERRY DPERRY6868@ YAHOO.COM (C) 636-232-5239
CITY OF FESTUS WATER:	MARK HARRIS MARK@ CITYOFFESTUS.ORG (C) 636-937-6646
CITY OF FESTUS SEWER:	MATT UNREIN MATT.UNREIN@ CITYOFFESTUS.ORG (C) 636-937-6646
AMEREN:	MATT EVERDING MEVERDING@ AMEREN.COM (C) 618-806-0229
ATT-D:	CHRIS LAPORTE CL180R@ ATT.COM (C) 636-671-2887
CHARTER:	DON HATFIELD DONALD.HATFIELD@ CHARTER.COM (C) 314-341-4450



NOT TO SCALE



KEY MAP
SHOWING LOCATION OF JEFFERSON COUNTY

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THEY SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS

MISSOURI ONE CALL: 1-800-DIG-RITE (1-800-344-7483)

APPROVED BY:
JEFFERSON COUNTY, MISSOURI

DAN NAUNHEIM, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS
DATE 10/23/24

INDEX OF SHEETS (CMT)

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (7 SHEETS)	2
QUANTITIES (QU) (15 SHEETS)	3
GENERAL NOTES	4
PLAN/PROFILE SHEETS (PP)	5 – 25
REFERENCE POINTS (RP)	26 – 32
GEOMETRY POINTS (GP)	33 – 37
TRAFFIC CONTROL SHEETS (TC)	38 – 56
EROSION CONTROL SHEETS (EC)	57 – 78
SIGNAL SHEETS (SG)	79 – 94
UTILITY SHEETS (UT)	95 – 104
UTILITY PROFILE SHEETS (UP)	105 – 107
CULVERT SECTIONS (CS)	108 – 115
RIGHT-OF-WAY SHEETS (RW)	116 – 137
PAVEMENT MARKING & SIGNING (PM)	138 – 159
SPECIAL SHEETS (SS)	160 – 168
RAILROAD CROSSINGS (RR)	169 – 171
DRIVEWAY PROFILES (DP)	172 – 184
CROSS SECTIONS (XS)	1 – 131
AMEREN SHEETS (REFERENCE ONLY)	1 – 11

LENGTH OF PROJECT

BEGINNING OF PROJECT (ST. PIUS DR.)	STA. 8+25
END OF PROJECT (VFW DR.)	STA. 33+50
ST. PIUS DR. / VFW DR. LENGTH	2525 FEET
BEGINNING OF PROJECT (N.ACCESS RD.)	STA. 111+50
END OF PROJECT (NORTH ACCESS RD.)	STA. 125+50
NORTH ACCESS RD. LENGTH	1400 FEET
BEGINNING OF PROJECT (AIRPORT RD.)	STA. 31+90
END OF PROJECT (AIRPORT RD.)	STA. 36+05
AIRPORT RD. LENGTH	415 FEET
BEGINNING OF PROJECT (S. ACCESS RD.)	STA. 10+00
END OF PROJECT (SOUTH ACCESS RD)	STA. 24+00
PART A : STA. 10+13 TO STA. 23+00 SOUTH ACCESS ROAD LENGTH	1300 FEET
BEGINNING OF PROJECT (CALVARY CHURCH RD)	STA. 1007+20
END OF PROJECT (CALVARY CHURCH RD)	STA. 1018+23
CALVARY CHURCH ROAD LENGTH	1103 FEET
BEGINNING OF PROJECT (US 61)	STA. 6+06
END OF PROJECT (AMERICAN LEGION DR)	STA. 18+85
US 61/67 INTERSECTION LENGTH	1279 FEET
TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	8,034 FEET
STATE LENGTH	1.52 MILES

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED: 10/16/2024
STATE: MO
SHEET NO.: 1
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SPE MEMORIAL DRIVE, SUITE 200
SPRINGFIELD, MO 65810 417.865.5500
ENGINEERING CORPORATION - 000631

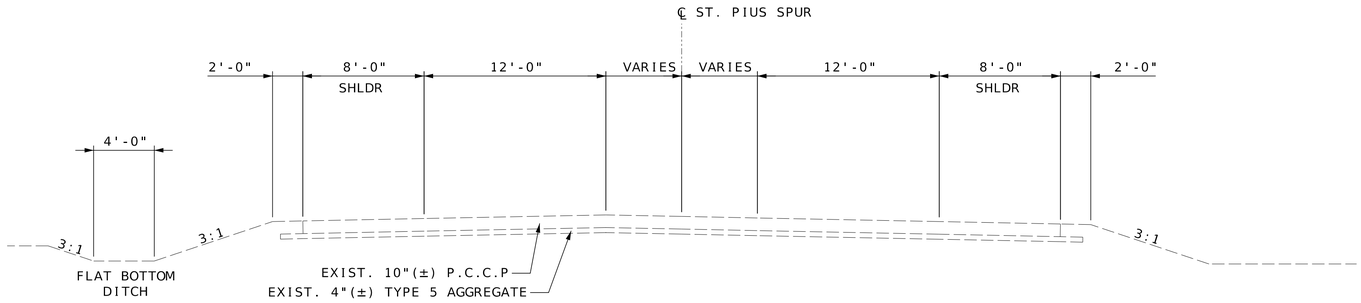
© Copyright CMT, Inc.

TITLE SHEET

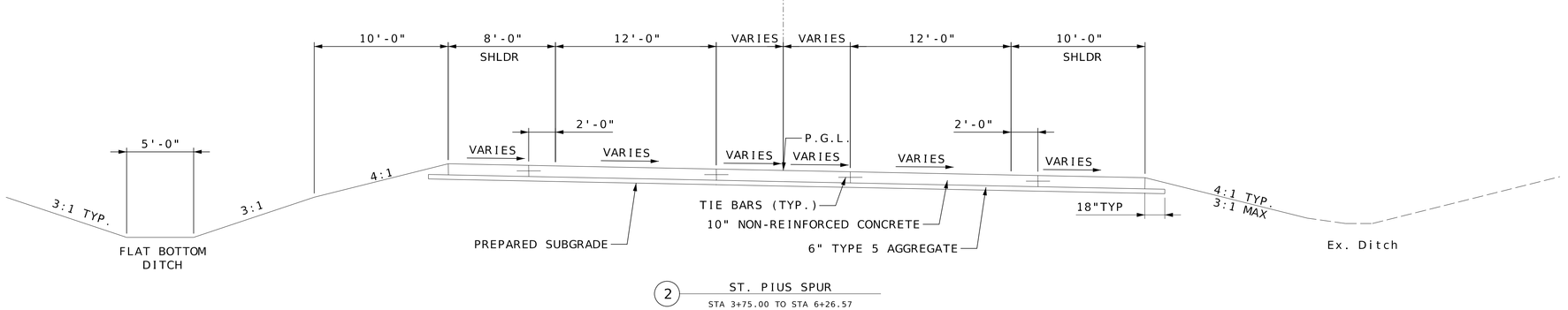
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



1 ST. PIUS SPUR
STA 0+43.50 TO STA 6+15.70



2 ST. PIUS SPUR
STA 3+75.00 TO STA 6+26.57

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

ST. PIUS SPUR

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

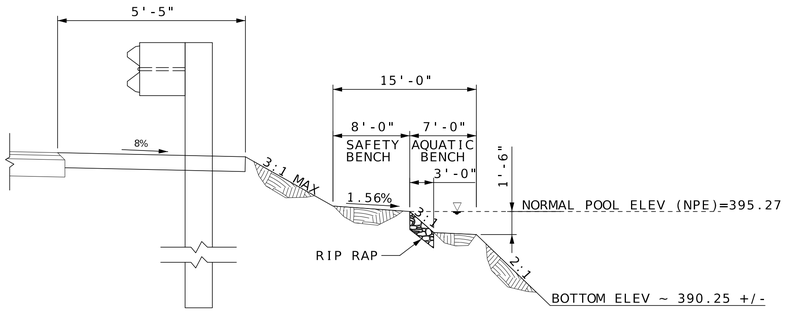
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

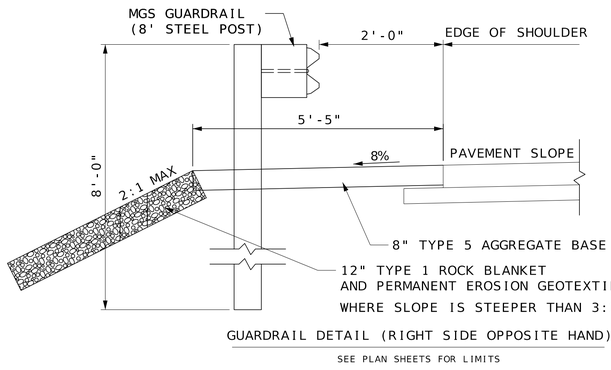
© Copyright CMT, Inc.

TYPICAL SECTIONS
SHEET 1 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



GUARDRAIL AND GRADING AT VFW POND
STA 21+01 TO STA 24+05 (RT)
(SEE CROSS SECTIONS)



GUARDRAIL DETAIL (RIGHT SIDE OPPOSITE HAND)
SEE PLAN SHEETS FOR LIMITS

NOTES:
1) WHERE W EXCEEDS 13', ADD SUPPLEMENTAL LONGITUDINAL JOINT IN THE LANE. WHERE W IS 13' OR LESS, DO NOT PLACE SUPPLEMENTAL LONGITUDINAL JOINT. SUBMIT JOINT LAYOUT PLAN FOR APPROVAL PRIOR TO PAVING.

SUPERELEVATION TABLE ST. PIUS DRIVE/VFW DRIVE

MATCH EXIST. / MATCH EXIST.
STA. 8+25.00

2% / 2%
STA. 8+75.00
TO
STA. 12+40.35

2% / 2%
STA. 13+64.69
TO
STA. 14+87.12

MATCH RAILROAD / MATCH RAILROAD
STA. 15+36.62
TO
STA. 15+51.44

2% / 2%
STA. 16+25.40
TO
STA. 16+99.04

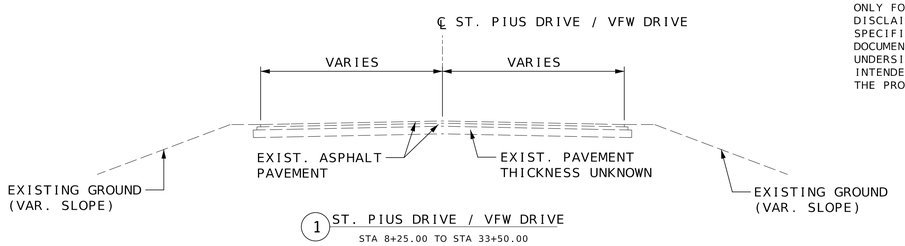
2% / 2%
STA. 18+85.58
TO
STA. 19+23.00

2% / 2%
STA. 21+23.00
TO
STA. 23+34.00

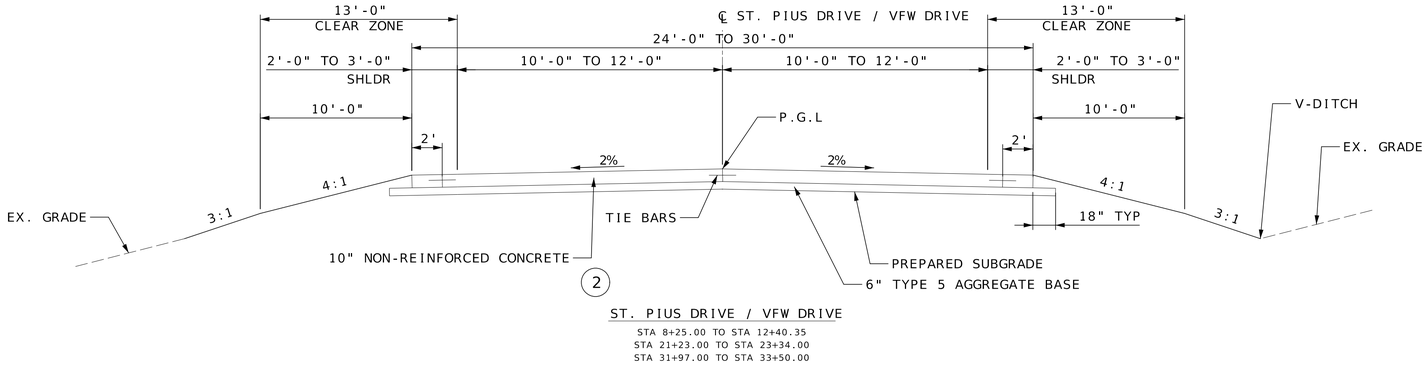
2% / 2%
STA. 25+34.00
TO
STA. 26+49.00

2% / 2%
STA. 27+80.00
TO
STA. 29+97.00

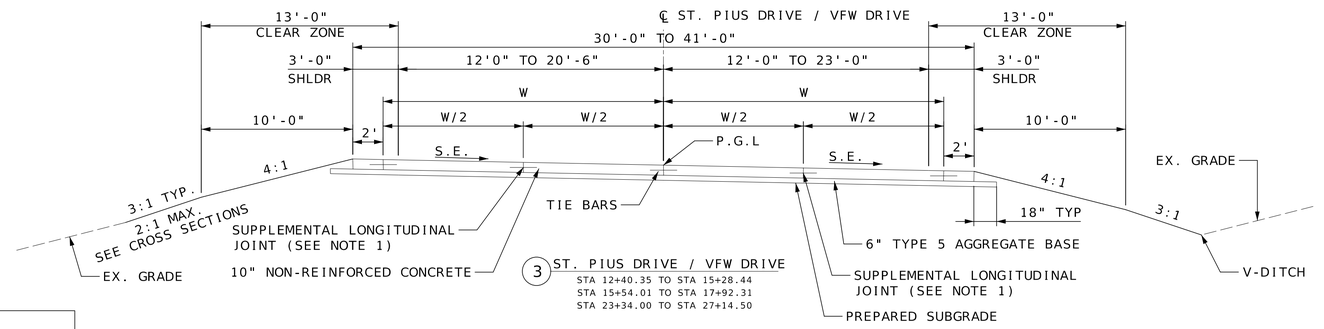
2% / 2%
STA. 31+97.00
TO
STA. 33+50.00



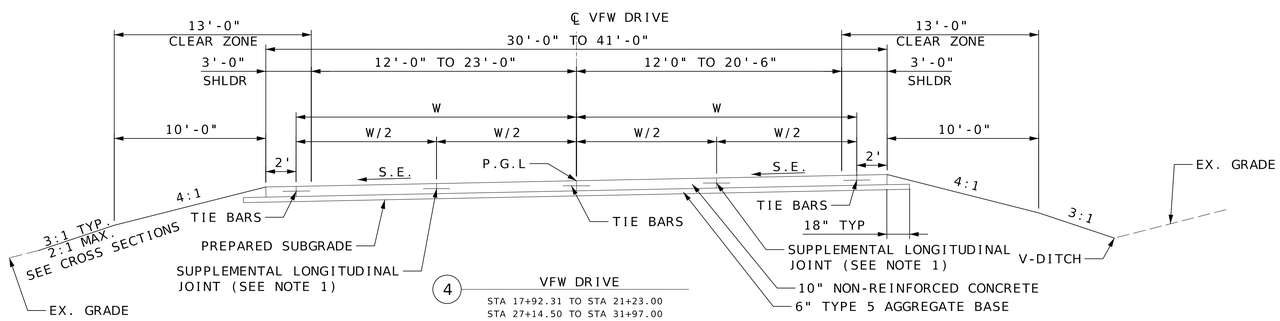
1 ST. PIUS DRIVE / VFW DRIVE
STA 8+25.00 TO STA 33+50.00



2 ST. PIUS DRIVE / VFW DRIVE
STA 8+25.00 TO STA 12+40.35
STA 21+23.00 TO STA 23+34.00
STA 31+97.00 TO STA 33+50.00



3 ST. PIUS DRIVE / VFW DRIVE
STA 12+40.35 TO STA 15+28.44
STA 15+54.01 TO STA 17+92.31
STA 23+34.00 TO STA 27+14.50



4 VFW DRIVE
STA 17+92.31 TO STA 21+23.00
STA 27+14.50 TO STA 31+97.00

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

ST. PIUS DRIVE / VFW DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

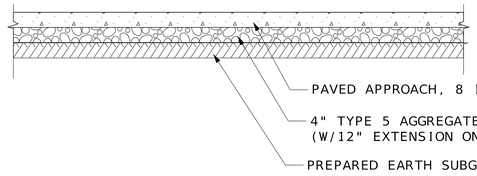
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

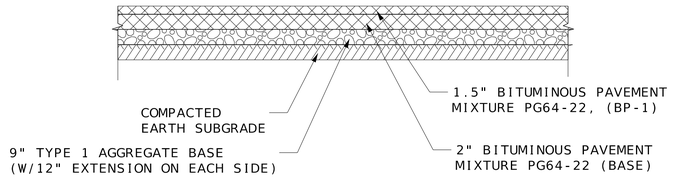
TYPICAL SECTIONS
SHEET 2 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

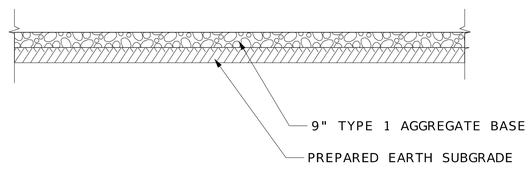
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



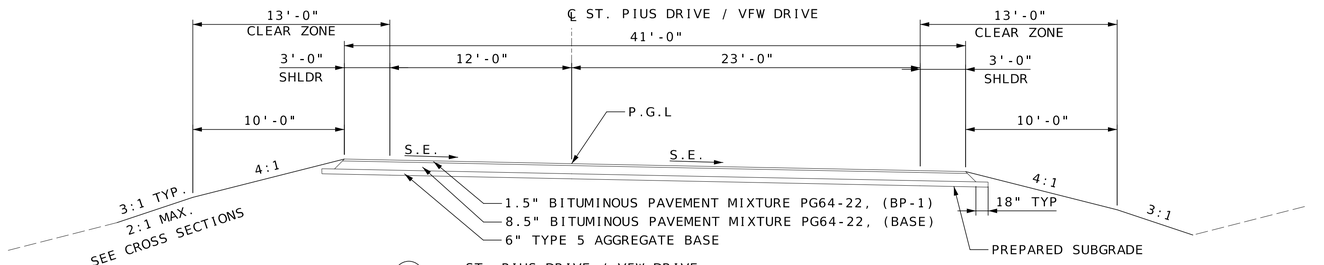
DRIVEWAY TYPICAL SECTION (CONCRETE PAVEMENT)



DRIVEWAY TYPICAL SECTION (ASPHALT PAVEMENT)

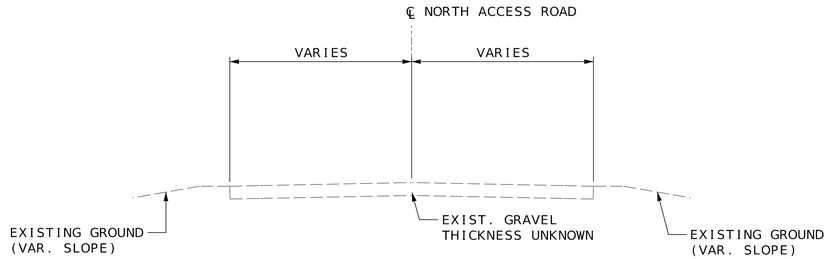


DRIVEWAY TYPICAL SECTION (GRAVEL)

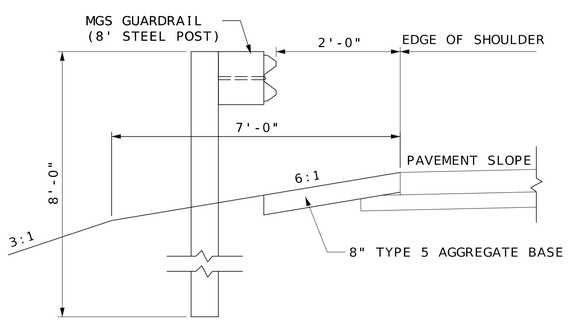


5 ST. PIUS DRIVE / VFW DRIVE
STA 15+28.44 TO STA 15+36.62 (ON SKEW, SEE PLAN)
STA 15+45.83 TO STA 15+54.01 (ON SKEW, SEE PLAN)

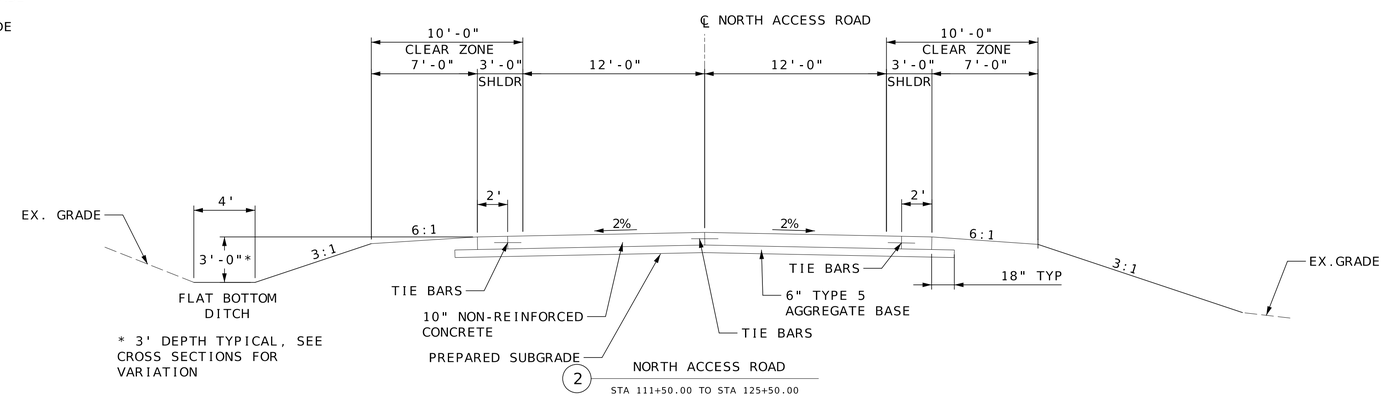
NOTE:
STA 15+36.62 TO STA 15+45.83 NOT SHOWN (RR CROSSING SURFACE, BY OTHERS)



1 NORTH ACCESS ROAD
STA 111+50.00 TO STA 125+50.00



GUARDRAIL DETAIL (RIGHT SIDE OPPOSITE HAND)
SEE PLAN SHEETS FOR LIMITS



* 3' DEPTH TYPICAL, SEE CROSS SECTIONS FOR VARIATION

2 NORTH ACCESS ROAD
STA 111+50.00 TO STA 125+50.00

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

NORTH ACCESS ROAD

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

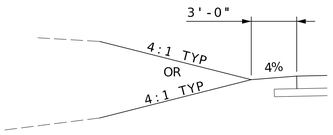
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

TYPICAL SECTIONS
SHEET 3 OF 7

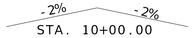
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



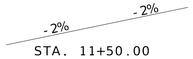
ALTERNATE GRADING
(RIGHT SIDE OPPOSITE HAND)

SEE CROSS SECTIONS

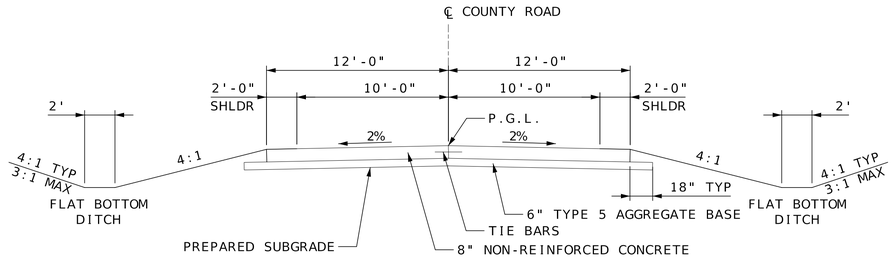
SUPERELEVATION TABLE COUNTY ROAD



STA. 10+00.00
TO
STA. 11+00.00

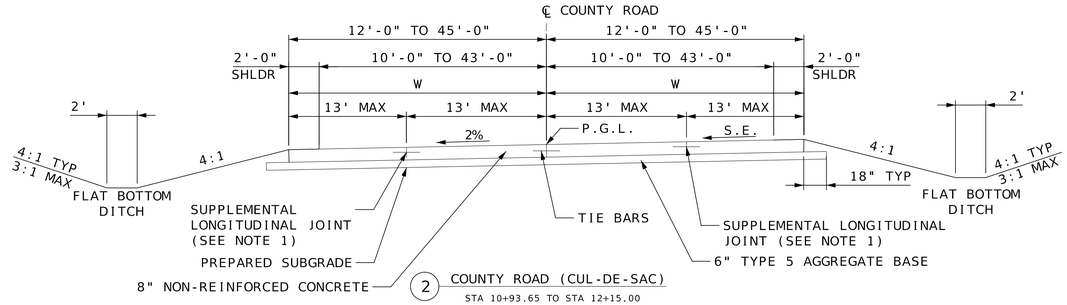


STA. 11+50.00
TO
STA. 12+15.00



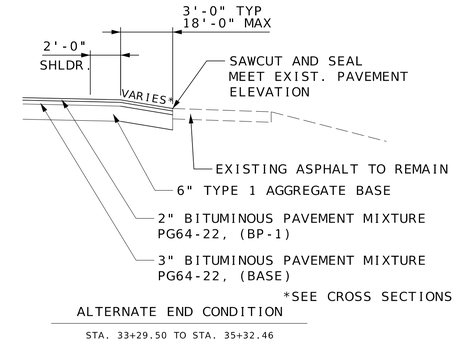
1 COUNTY ROAD

STA 10+00.00 TO STA 10+93.65



2 COUNTY ROAD (CUL-DE-SAC)

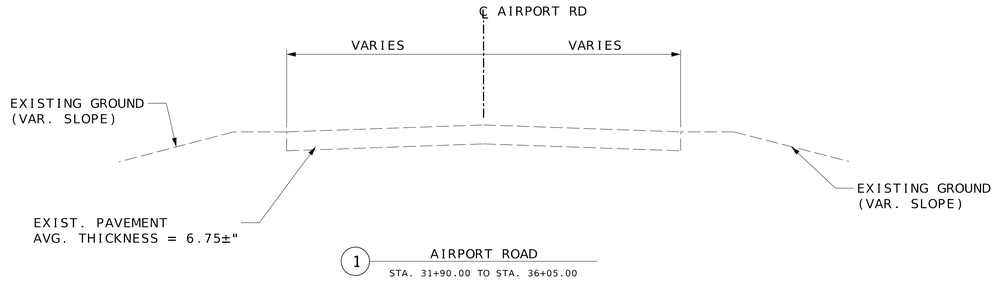
STA 10+93.65 TO STA 12+15.00



*SEE CROSS SECTIONS

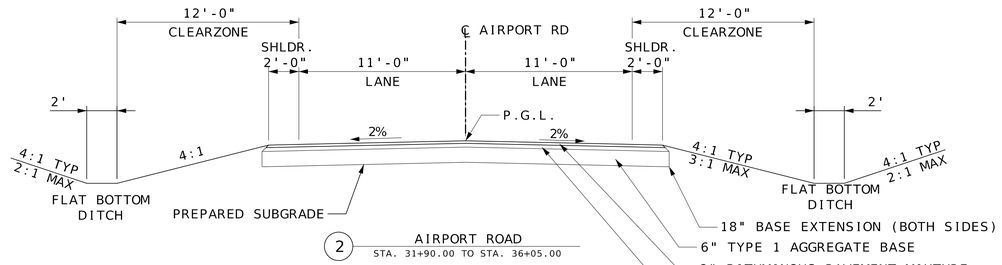
ALTERNATE END CONDITION

STA. 33+29.50 TO STA. 35+32.46



1 AIRPORT ROAD

STA. 31+90.00 TO STA. 36+05.00



2 AIRPORT ROAD

STA. 31+90.00 TO STA. 36+05.00

NOTES:
1) WHERE W EXCEEDS 13', ADD SUPPLEMENTAL LONGITUDINAL JOINT(S) AT 13' MAXIMUM SPACING. UP TO 3 SUPPLEMENTAL LONGITUDINAL JOINTS WILL BE REQUIRED EACH SIDE OF CENTERLINE AT MAXIMUM CUL-DE-SAC WIDTH. WHERE W IS 13' OR LESS, DO NOT PLACE SUPPLEMENTAL LONGITUDINAL JOINT. SUBMIT JOINT LAYOUT PLAN FOR APPROVAL PRIOR TO PAVING.

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

COUNTY ROAD & AIRPORT ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

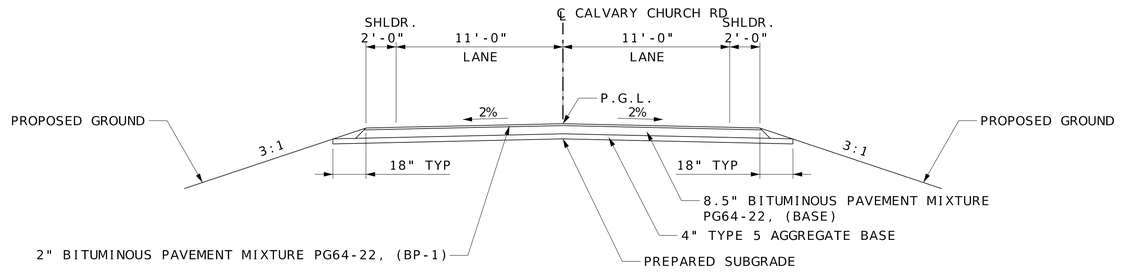
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2405
ENGINEERING CORPORATION - 000631

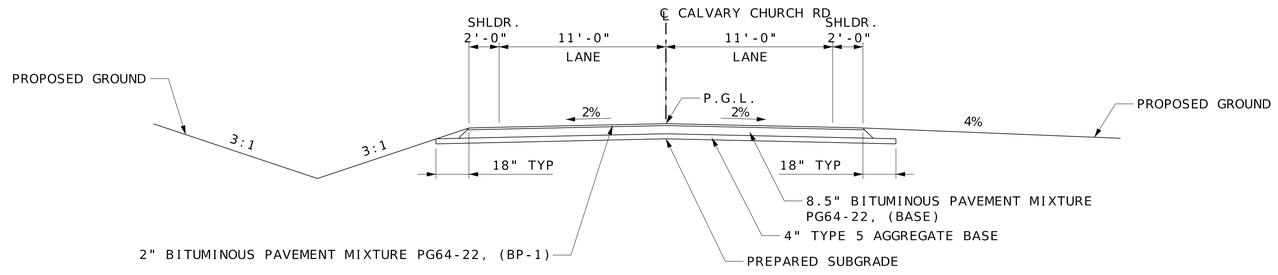
TYPICAL SECTIONS
SHEET 4 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

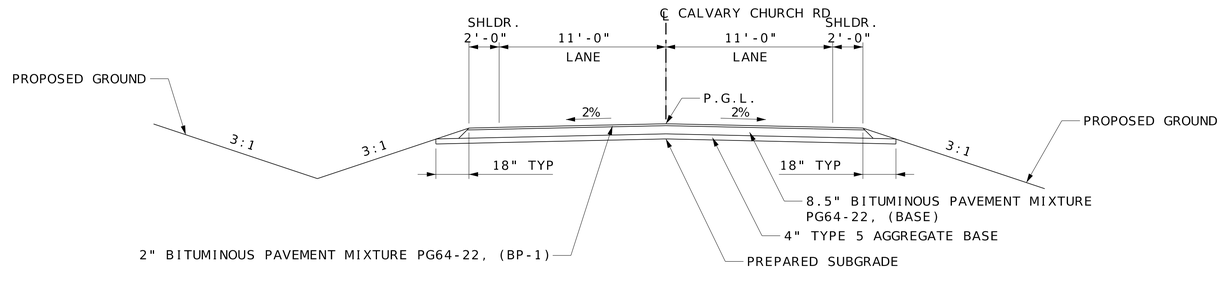
APPLICATION RATES	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	1.948 TONS / CUYD
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	1.893 TONS / CUYD
TACK COAT - NON-TRACKING	0.08 GAL / SY



1 CALVARY CHURCH ROAD
STA. 1007+20.00 TO STA. 1008+30.21
STA. 1008+44.52 TO STA. 1012+75.00
STA. 1017+25.00 TO STA. 1018+22.95



2 CALVARY CHURCH ROAD
STA. 1012+75.00 TO STA. 1014+75.00



3 CALVARY CHURCH ROAD
STA. 1014+75.00 TO STA. 1017+25.00

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

CALVARY CHURCH ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

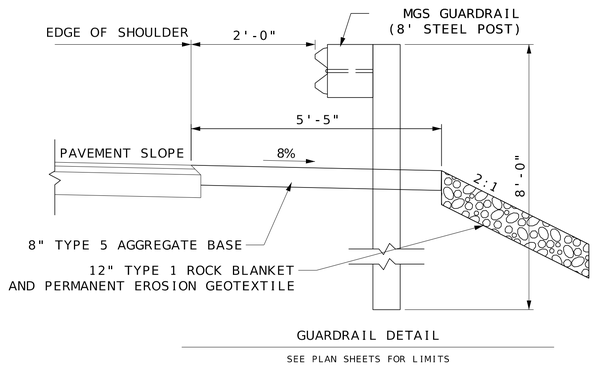
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2454
ENGINEERING CORPORATION - 000631

©Copyright CMT Inc

TYPICAL SECTIONS
SHEET 5 OF 7

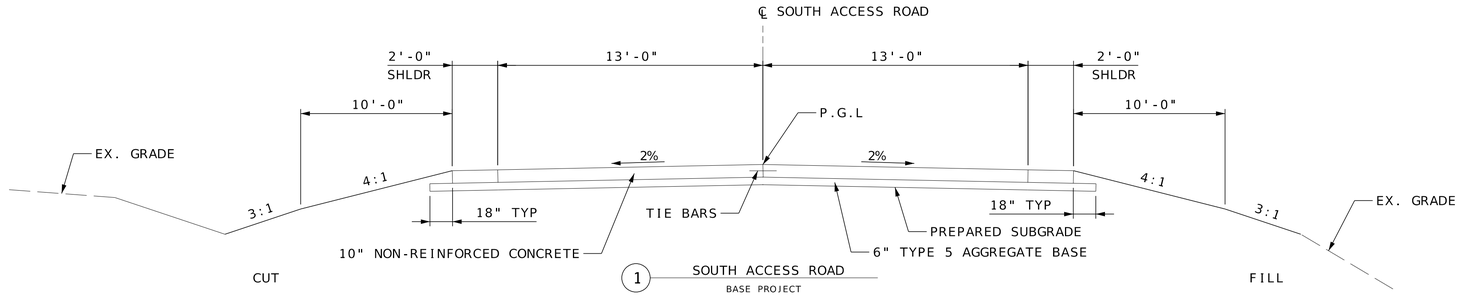
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



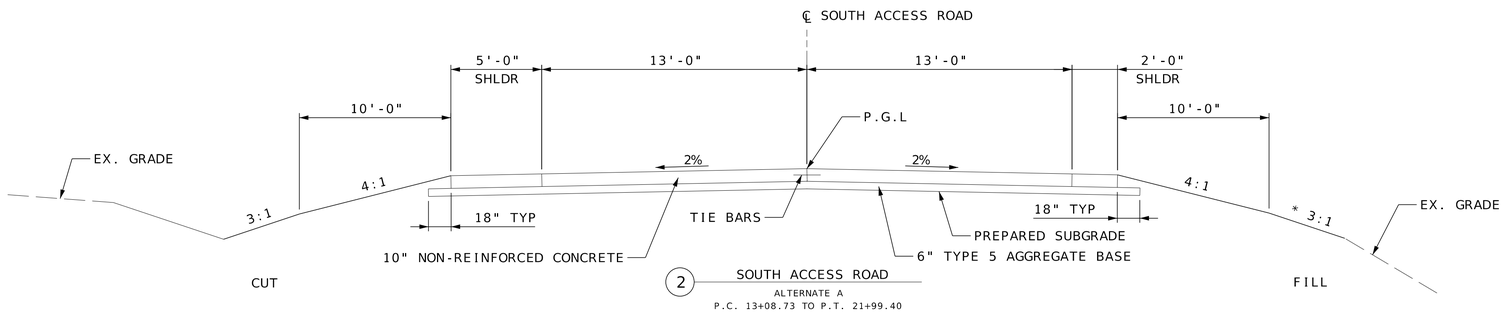
GUARDRAIL DETAIL

SEE PLAN SHEETS FOR LIMITS



1 SOUTH ACCESS ROAD

BASE PROJECT
STA. 10+11.00 TO STA. 11+20.00
ALTERNATE A
STA. 11+20.00 TO STA. 12+78.73
STA. 22+29.40 TO STA. 23+00.00



2 SOUTH ACCESS ROAD

ALTERNATE A
P.C. 13+08.73 TO P.T. 21+99.40

* PROVIDE FOR 2:1 SLOPES FROM STA. 17+70.00 TO STA. 19+20.00

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

SOUTH ACCESS ROAD

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

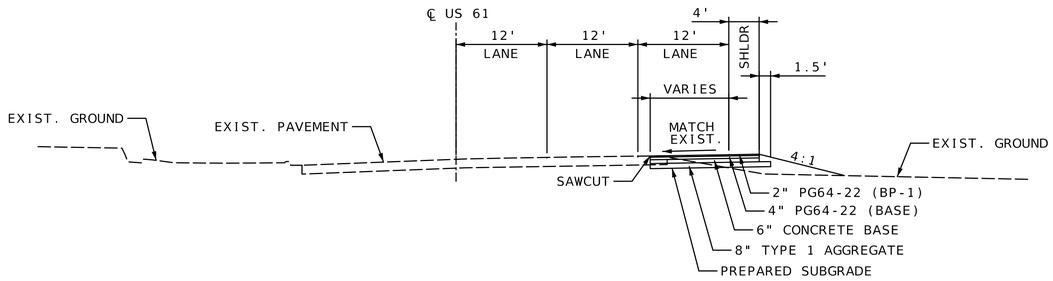
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

TYPICAL SECTIONS
SHEET 6 OF 7

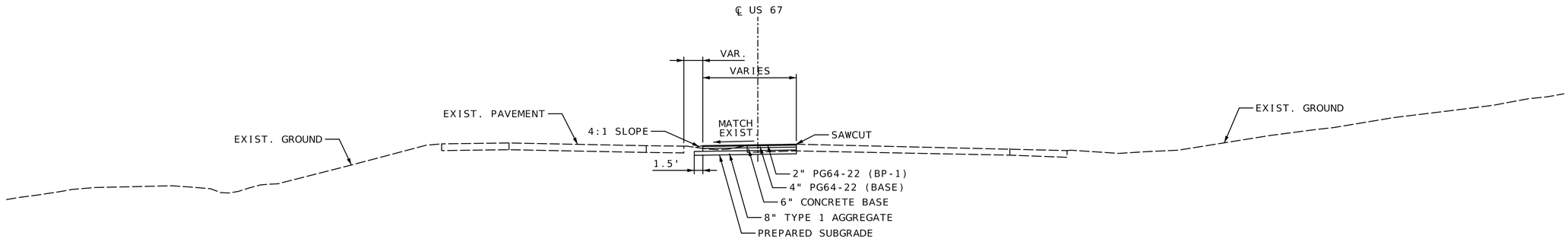
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



1 TYPICAL SECTION US 61/AMERICAN LEGION DRIVE

PAVEMENT WIDENING FOR RIGHT TURN LANE
STA. 9+55.00 TO STA. 15+15.95 (US 61)
STA. 16+54.71 TO STA. 18+84.81 (AMERICAN LEGION DR)



2 TYPICAL SECTION US 61/67

INSIDE PAVEMENT WIDENING
STA. 1084+92.38 TO STA. 1086+57.23 (US 61/67)
STA. 1087+50.30 TO STA. 1088+48.12 (US 67)

APPLICATION RATES	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	1.948 TONS / CUYD
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	1.893 TONS / CUYD
TACK COAT - NON-TRACKING	0.08 GAL / SY

NOTE: TYPICAL SECTIONS ARE NOT TO SCALE

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 655-3500
ENGINEERING CORPORATION - 000631

TYPICAL SECTIONS
SHEET 7 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SUMMARY OF QUANTITIES

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	PART A QUANTITY		PART B QUANTITY	TOTAL QUANTITY
				BASE	ALT. A	ALT. B	
1	2013000	CLEARING AND GRUBBING	ACRE	6	3	3	**12**
2	2022010	REMOVAL OF IMPROVEMENTS	L.S.	1	1	1	**3**
3	2031000	CLASS A EXCAVATION	C.Y.	18,363	10,187	8,498	**37,048**
4	2035500	EMBANKMENT IN PLACE	C.Y.	58,081	----	27,566	**85,647**
5	2036000	COMPACTING EMBANKMENT	C.Y.	11,056	8,726	7,223	**27,004**
6	2063000	CLASS 3 EXCAVATION	C.Y.	901	115	----	**1,016**
7	2063300	CLASS 4 EXCAVATION	C.Y.	710	----	----	**710**
8	2069901 {A}	MISC. {DEWATERING}	L.S.	2	----	----	**2**
9	2069901 {B}	MISC. {BYPASS PUMPING}	L.S.	2	----	----	**2**
10	3040183	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK)	S.Y.	7,120	----	----	**7,120**
11	3040193	TYPE 1 AGGREGATE FOR BASE (9 IN. THICK)	S.Y.	657	----	----	**657**
12	3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	S.Y.	4,996	----	----	**4,996**
13	3040506	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	S.Y.	20,040	4,228	3,119	**27,387**
14	3049905 {A}	MISC. {TYPE 5 AGGREGATE FOR BASE (18 IN. THICK)}	S.Y.	200	----	----	**200**
15	3049905 {B}	MISC. {TYPE 5 AGGREGATE FOR BASE (24 IN. THICK)}	S.Y.	497	----	----	**497**
16	4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TON	1,206.6	----	----	**1,206.6**
17	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	2,650.3	----	----	**2,650.3**
18	4071007	TACK COAT - NON OR LOW TRACKING TACK	GAL	710	----	----	**710**
19	5021308	CONCRETE PAVEMENT (8 IN. NON-REINFORCED, 15 FT. JOINTS)	S.Y.	1,043.4	----	----	**1,043.4**
20	5021310	CONCRETE PAVEMENT (10 IN. NON-REINFORCED 15 FT. JOINTS)	S.Y.	17,640.2	4,227.3	2,853.0	**24,720.5**
21	5024006	CONCRETE BASE (6 IN. NON-REINF)	S.Y.	1,691.1	----	----	**1,691.1**
22	6039902 {A}	MISC. {CUT AND CAP EXISTING WATERMAIN}	EACH	3	----	----	**3**
23	6039902 {B}	MISC. {FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE}	EACH	2	----	----	**2**
24	6039902 {C}	MISC. {TRANSFER EXISTING SERVICE CONNECTION}	EACH	1	----	----	**1**
25	6039902 {D}	MISC. {ADJUST TO GRADE WATER VALVE}	EACH	7	----	----	**7**
26	6039902 {E}	MISC. {ADJUST TO GRADE WATER METER}	EACH	2	----	----	**2**
27	6039903 {A}	MISC. {6 IN. DIAMETER WATERMAIN}	L.F.	895	----	----	**895**
28	6039932 {A}	MISC. {ADJUST TO GRADE GAS VALVE}	EACH	3	----	----	**3**
29	6042010	ADJUSTING MANHOLE	EACH	1	----	----	**1**
30	6049902 {A}	MISC. {POT HOLING FOR UTILITY FACILITIES}	EACH	30	----	----	**30**
31	6061061	MGS GUARDRAIL, 8 FT. POSTS, 6 FT. - 3 IN. SPACING	L.F.	859	52	700	**1,611**
32	6063014	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	8	2	1	**11**
33	6071012A	CHAIN-LINK FENCE (60 IN.)	L.F.	1,154	----	----	**1,154**
34	6079902 {A}	MISC. {BOLLARD}	EACH	4	----	----	**4**
35	6079903 {A}	MISC. {SPECIAL CHAIN-LINK FENCE (60")}	L.F.	188	----	----	**188**
36	6083006	6 IN. CONCRETE MEDIAN STRIP	S.Y.	26.0	----	----	**26**
37	6085008	PAVED APPROACH, 8 IN.	S.Y.	1,728.1	----	----	**1,728**
38	6086004	CONCRETE SIDEWALK, 4 IN.	S.Y.	16.4	----	----	**16**
39	6091010	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	L.F.	366	----	----	**366**
40	6092011	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	L.F.	256	----	----	**256**
41	6096020	FURNISHING TYPE 2 ROCK DITCH LINER	C.Y.	60	----	859	**919**
42	6096042	PLACING TYPE 2 ROCK DITCH LINER	C.Y.	60	----	859	**919**
43	6097000	ROCK LINING	C.Y.	38	15	----	**53**
44	6113010	FURNISHING TYPE 1 ROCK BLANKET	C.Y.	983	194	----	**1,177**
45	6113020	FURNISHING TYPE 2 ROCK BLANKET	C.Y.	222	----	----	**222**
46	6113030	PLACING TYPE 1 ROCK BLANKET	C.Y.	983	194	----	**1,177**
47	6113040	PLACING TYPE 2 ROCK BLANKET	C.Y.	222	----	----	**222**
48	6116010A	SLOPE PROTECTION	S.Y.	267	----	----	**267**
49	6141021	GRATE AND BEARING PLATE (3 FT. X 2 FT.)	EACH	5	----	----	**5**
50	6141024	GRATE AND BEARING PLATE (5 FT. X 3 FT.)	EACH	1	----	----	**1**
51	6143014	MANHOLE FRAME AND COVER, TYPE 4	EACH	9	----	----	**9**
52	6149902 {A}	MISC. {CONVERT INLET TO MANHOLE}	EACH	1	----	----	**1**
53	6151000	OFFICE FOR ENGINEER	MONTHS	21	----	----	**21**
54	6161005	CONSTRUCTION SIGNS	S.F.	1,197	----	----	**1,197**
55	6161008	ADVANCED WARNING RAIL SYSTEM	EACH	6	----	----	**6**
56	6161025	CHANNELIZER (TRIM LINE)	EACH	226	----	----	**226**
57	6161030	TYPE III MOVEABLE BARRICADE	EACH	55	----	----	**55**
58	6161033	DIRECTIONAL INDICATOR BARRICADE	EACH	30	----	----	**30**

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 1 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SUMMARY OF QUANTITIES

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	PART A QUANTITY		PART B QUANTITY	TOTAL QUANTITY
				BASE	ALT. A	ALT. B	
59	6161040	FLASHING ARROW PANEL	EACH	4	----	----	**4**
60	6161099	CHANGEABLE MESSAGE SIGN WITH COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED	EACH	10	----	----	**10**
61	6173600D	"TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED / RETAINED"	L.F.	388	----	----	**388**
62	6174000A	TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION	EACH	2	----	----	**2**
63	6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER	L.F.	662	----	----	**662**
64	6181000	MOBILIZATION	L.S.	1	1	1	**3**
65	6181015	RAILROAD PLAN SUBMITTAL	L.S.	1	----	----	**1**
66	6181020	ADDITIONAL MOBILIZATION FOR SEEDING	EACH	4	1	1	**6**
67	6189902 {A}	MISC. {RAILROAD FLAGGER}	DAYS	30	----	----	**30**
68	6191000	PAVEMENT EDGE TREATMENT	L.F.	1,665	----	----	**1,665**
69	6200015	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	L.F.	680	----	----	**680**
70	6200018	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW	L.F.	167	----	----	**167**
71	6200021	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EACH	12	----	----	**12**
72	6200027	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	EACH	3	----	----	**3**
73	6200033	PREFORMED THERMOPLASTIC PAVEMENT MARKING, R/R CROSSING MARKER	EACH	5	----	----	**5**
74	6200042	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	EACH	22	----	----	**22**
75	6205301B	TEMPORARY REMOVABLE MARKING TAPE 4 IN., WHITE	L.F.	8,528	----	----	**8,528**
76	6205303B	TEMPORARY REMOVABLE MARKING TAPE 4 IN., YELLOW	L.F.	19,325	----	----	**19,325**
77	6205901A	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	L.F.	3,240	----	----	**3,240**
78	6205902A	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	L.F.	3,198	----	----	**3,198**
79	6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	L.F.	11,710	2,360	1,600	**15,670**
80	6206001C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	L.F.	10,059	2,360	1,600	**14,019**
81	6207001	PAVEMENT MARKING REMOVAL	L.F.	4,175	----	----	**4,175**
82	6207002	PAVEMENT MARKING REMOVAL (SYMBOLS)	EACH	9	----	----	**9**
83	6208076	4 IN. TEMPORARY PAVEMENT MARKING PAINT	L.F.	5,271	----	----	**5,271**
84	6209902 {A}	MISC. {18 IN. WHITE ISLAND TUBULAR MARKER}	EACH	12	----	----	**12**
85	6240103A	PERMANENT EROSION CONTROL GEOTEXTILE	S.Y.	2,591	47	2,576	**5,214**
86	6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1	1	1	**3**
87	7034001	CLASS B-1 CONCRETE	C.Y.	519	----	----	**519**
88	7061020	REINFORCING STEEL (CULVERTS-BRIDGE)	LBS	74,280	----	----	**74,280**
89	7250321A	21 IN. PIPE GROUP B	L.F.	54	----	----	**54**
90	7250330A	30 IN. PIPE GROUP B	L.F.	62	----	----	**62**
91	7261012	12 IN. PIPE GROUP A	L.F.	61	----	----	**61**
92	7261015	15 IN. PIPE GROUP A	L.F.	299	----	----	**299**
93	7261018	18 IN. PIPE GROUP A	L.F.	72	----	----	**72**
94	7261024	24 IN. PIPE GROUP A	L.F.	115	----	----	**115**
95	7261030	30 IN. PIPE GROUP A	L.F.	47	----	----	**47**
96	7261036	36 IN. PIPE GROUP A	L.F.	----	152	----	**152**
97	7261042	42 IN. PIPE GROUP A	L.F.	583	----	----	**583**
98	7269923 {A}	MISC. {10 IN. PIPE, SANITARY SEWER}	L.F.	65	----	----	**65**
99	7269924 {A}	MISC. {CONCRETE ENCASEMENT}	C.Y.	3	----	----	**3**
100	7269924 {B}	MISC. {CONCRETE CRADLE}	C.Y.	1	----	----	**1**
101	7310048	PRECAST CONCRETE MANHOLE - 48 IN.	L.F.	53	----	----	**53**
102	7311032	PRECAST CONCRETE DROP INLET 3 FT X 2 FT	L.F.	22	----	----	**22**
103	7311053	PRECAST CONCRETE DROP INLET 5 FT X 3 FT	L.F.	4	----	----	**4**
104	7319913 {A}	MISC. {PRECAST CONCRETE MANHOLE 42 IN.}	FT	17	----	----	**17**
105	7320021A	21 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION	EACH	2	----	----	**2**
106	7320030A	30 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION	EACH	2	----	----	**2**
107	7320615A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	6	----	----	**6**
108	7320624A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	2	----	----	**2**
109	7320630A	30 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	1	----	----	**1**
110	7320636A	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	----	4	----	**4**
111	7320642A	42 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	3	----	----	**3**
112	8031000A	TURF TYPE TALL FESCUE SODDING	S.Y.	9,766	----	----	**9,766**
113	8041000	TOPSOIL	C.Y.	6,531	1,042	941	**8,514**
114	8059919 {A}	MISC. {SEEDING}	ACRE	6.1	1.3	1.7	**9.1**
115	8061005	ROCK DITCH CHECK	L.F.	604	78	64	**746**
116	8061007A	CURB INLET CHECK	EACH	14	----	----	**14**
117	8061016	SEDIMENT REMOVAL	C.Y.	150	26	12	**188**

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 2 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

SUMMARY OF QUANTITIES

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	PART A QUANTITY		PART B QUANTITY	TOTAL QUANTITY
				BASE	ALT. A	ALT. B	
118	8061017	TEMPORARY SEEDING	ACRE	2.0	----	----	**2.0**
119	8061019	SILT FENCE	L.F.	13,048	2,554	1,212	**16,814**
120	8064134	TYPE 1D EROSION CONTROL BLANKET	S.Y.	29,421	6,251	8,469	**44,141**
121	9020213	SIGNAL HEAD, TYPE 3S	EACH	3	----	----	**3**
122	9020513	SIGNAL HEAD, TYPE 3B	EACH	9	----	----	**9**
123	9020514	SIGNAL HEAD, TYPE 4B	EACH	1	----	----	**1**
124	9020515	SIGNAL HEAD, TYPE 5B	EACH	2	----	----	**2**
125	9020833	SH-FLAT SHEET - SIGNAL SIGN	S.F.	106	----	----	**106**
126	9020834	SIGNAL SIGN, MOUNTING HARDWARE	EACH	18	----	----	**18**
127	9023230	POST, TYPE C, 30 FT. ARM	EACH	1	----	----	**1**
128	9023235	POST, TYPE C, 35 FT. ARM	EACH	1	----	----	**1**
129	9023240	POST, TYPE C, 40 FT. ARM	EACH	1	----	----	**1**
130	9023255	POST, TYPE C, 55 FT. ARM	EACH	1	----	----	**1**
131	9023355	POST, TYPE B, LONGEST ARM 55 FT.	EACH	1	----	----	**1**
132	9024283	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EACH	1	----	----	**1**
133	9025200	CONDUIT, 2 IN., TRENCH WITH TRACER WIRE	L.F.	140	----	----	**140**
134	9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	L.F.	279	----	----	**279**
135	9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	L.F.	362	----	----	**362**
136	9028208	CABLE, 8 AWG 1 CONDUCTOR, POWER	L.F.	330	----	----	**330**
137	9028311	CABLE, 16 AWG 7 CONDUCTOR	L.F.	3,520	----	----	**3,520**
138	9028354	FIBER OPTIC CABLE, 24 - FIBER, 18 SINGLE MODE, 6 MULTIMODE	L.F.	130	----	----	**130**
139	9028810	PULL BOX, PREFORMED CLASS 1	EACH	1	----	----	**1**
140	9028811	PULL BOX, PREFORMED CLASS 2	EACH	2	----	----	**2**
141	9028812	PULL BOX, PREFORMED CLASS 3	EACH	2	----	----	**2**
142	9028816	PULL BOX, PREFORMED CLASS 5	EACH	1	----	----	**1**
143	9029100	BASE, CONCRETE	C.Y.	18.2	----	----	**18.2**
144	9029400	TEMPORARY TRAFFIC SIGNALS	L.S.	2	----	----	**2**
145	9029901 {A}	MISC. {TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING}	L.S.	1	----	----	**1**
146	9029902 {A}	MISC. {NETWORK CONNECTED SIGNAL MONITOR}	EACH	1	----	----	**1**
147	9029902 {B}	MISC. {PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY}	EACH	1	----	----	**1**
148	9029902 {C}	MISC. {ADJUST PULL BOX TO GRADE}	EACH	3	----	----	**3**
149	9029903 {A}	MISC. {CCTV CAMERA CABLE}	L.F.	280	----	----	**280**
150	9031010	CONCRETE FOOTINGS, EMBEDDED	C.Y.	1.4	----	----	**1.4**
151	9031220	PIPE POSTS	LBS	290	----	----	**290**
152	9031270A	2 IN. PSST POST - 12 GA.	L.F.	171	12	----	**183**
153	9031271A	DRIVEN POST ANCHOR FOR 2 IN. PSST - 12 GA.	EACH	14	1	----	**15**
154	9031272A	2.25 IN. PSST POST INSERT (6 FOOT) - 12 GA.	EACH	26	----	----	**26**
155	9031274	CONCRETE POST ANCHOR FOR 2 IN. PSST - 7 GA.	EACH	1	----	----	**1**
156	9031280	2.5 IN. PSST POST - 12 GA.	L.F.	459	----	----	**459**
157	9031281A	DRIVEN POST ANCHOR FOR 2.5 IN. PSST - 7 GA.	EACH	33	----	----	**33**
158	9031241	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)	EACH	26	----	----	**26**
159	9035004A	SH-FLAT SHEET	S.F.	210	----	----	**210**
160	9035069A	SHF-FLAT SHEET FLUORESCENT	S.F.	84	6	----	**90**
161	9039902 {A}	MISC. {REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN ASSEMBLY}	EACH	7	----	----	**7**
162	9039902 {C}	MISC. {PRIVATE SIGN REMOVAL AND RELOCATION}	EACH	4	----	----	**4**
163	9109901 {A}	MISC. {ITS ASSET MANAGEMENT TOOL}	L.S.	1	----	----	**1**
164	9109901 {B}	MISC. {CONNECT EXISTING CCTV CAMERA}	L.S.	1	----	----	**1**
165	9109902 {A}	MISC. {INSTALL MoDOT FURNISHED TRAFFIC SIGNAL CONTROLLER}	EACH	1	----	----	**1**
166	9109902 {B}	MISC. {CONTRACTOR FURNISHED AND INSTALLED IP-ADDRESSABLE POWER STRIP}	EACH	1	----	----	**1**
167	9109902 {C}	MISC. {INSTALL OR RELOCATE EXISTING COMMUNICATION EQUIPMENT}	EACH	1	----	----	**1**
168	9109902 {D}	MISC. {SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM}	EACH	1	----	----	**1**
169	9109902 {E}	MISC. {INSTALL CONDUIT INTO EXISTING BOX}	EACH	2	----	----	**2**
170	9109902 {F}	MISC. {WALL-MOUNT FIBER INTERCONNECT CENTER}	EACH	1	----	----	**1**
171	9109902 {G}	MISC. {RACK-MOUNT FIBER INTERCONNECT CENTER}	EACH	1	----	----	**1**
172	9109902 {H}	MISC. {SM FIBER OPTIC PIGTAIL}	EACH	8	----	----	**8**
173	9109902 {I}	MISC. {SM FIBER OPTIC JUMPER}	EACH	8	----	----	**8**
174	9109902 {J}	MISC. {FUSION SPLICE}	EACH	10	----	----	**10**
175	9109903 {A}	MISC. {RELOCATE FIBER OPTIC CABLE, 24 STRAND}	L.F.	30	----	----	**30**

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO | SHEET NO.: 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 3 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

REMOVAL OF IMPROVEMENTS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE	UNIT	QUANTITY	REMARKS
PP 1	3+75.00	6+16.30	ST. PIUS SPUR	LT	CONCRETE PAVEMENT	SY	1841	INCLUDES CONCRETE DRIVE
PP 1	5+91.74	6+11.46	ST. PIUS SPUR	RT	CONCRETE ISLAND	SY	26	
PM 2	5+93.05	----	ST. PIUS SPUR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX DOUBLE ARROW
PM 2	6+07.58	----	ST. PIUS SPUR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STOP & PLAQUE
PP 2-3	8+25.00	RR TRACKS	ST. PIUS DR	RT / LT	ASPHALT PAVEMENT	SY	2049	
PM 2	8+49.17	----	ST. PIUS DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX NO OUTLET
UP 2	9+15.00	----	ST. PIUS DR	LT	EX INLET	EACH	1	
UP 2	9+15.00	10+57.00	ST. PIUS DR	LT	24" CULVERT & END SECTION	LF	145	
PM 2	9+73.10	----	ST. PIUS DR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STREET SIGN (OTHER SIGNS R&RELOC)
PP 2	9+66.00	10+37.00	PARCEL 2 DRIVE	RT / LT	ASPHALT DRIVEWAY AND CURBING	SY	245	
UP 2	9+63.00	10+37.00	PARCEL 2 DRIVE	RT / LT	18" CULVERT & END SECTIONS	LF	75	
PP 2	9+87.54	----	ST. PIUS DR	RT	METAL PIPE GATE, POST & RESTRAINT POST	EACH	1	
PP 2	10+14.21	----	ST. PIUS DR	RT	METAL PIPE GATE, POST & RESTRAINT POST	EACH	1	
PM 2	10+21.25	----	ST. PIUS DR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STREET SIGN (OTHER SIGNS R&RELOC)
PM 2	10+49.68	----	ST. PIUS DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STOP & ALL WAY
PM 2	10+67.40	----	ST. PIUS DR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX PRIVATE SIGN
PM 2	10+81.31	----	ST. PIUS DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX PRIVATE SIGN
PM 2	10+82.26	----	ST. PIUS DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX UTILITY MARKER
UP 3	11+75.00	14+75.00	ST. PIUS DR	RT	6" WATERMAIN	LF	305	
UP 3	14+50.00	----	ST. PIUS DR	RT	FIRE HDYRANT AND VALVE	EACH	1	
PP 3	11+89.00	12+25.00	PARCEL 3 DRIVE	LT	CONCRETE DRIVEWAY	SY	108	
UP 3	11+78.00	12+40.00	PARCEL 3 DRIVE	LT	18" CULVERT & END SECTIONS	LF	140	2 CULVERTS
PP 3	12+66.00	12+85.00	PARCEL 4 DRIVE 1	LT	ASPHALT DRIVEWAY	SY	47	
PP 3	12+27.25	----	ST. PIUS DR	LT	POST	EACH	1	
PP 3	12+34.54	----	ST. PIUS DR	LT	POST	EACH	1	
UP 3	12+50.00	----	ST. PIUS DR	RT	15" CULVERT & END SECTION	LF	15	
UP 3	12+80.00	13+45.00	ST. PIUS DR	RT	10" SANITARY SEWER	LF	70	
PP 3	12+61.75	----	ST. PIUS DR	LT	60" CHAIN LINK GATE	EACH	1	
UP 3	12+65.00	12+87.00	ST. PIUS DR	LT	24" CULVERT & END SECTIONS	LF	22	
PP 3	12+82.02	----	ST. PIUS DR	LT	GATE	EACH	1	
UP 3	12+91.00	----	ST. PIUS DR	RT / LT	24" CULVERT & END SECTIONS	LF	45	
PP 3	13+83.00	13+97.00	PARCEL 4 DRIVE 2	LT	ASPHALT DRIVEWAY	SY	108	
PM 3	14+35.00	----	ST. PIUS DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX SPEED LIMIT
PP 4-7	16+68.57	33+50.00	VFW DR	RT / LT	ASPHALT PAVEMENT	SY	5218	
PP 3	15+79.86	----	VFW DR	LT	RAILROAD TIES	EACH	1	
PP 3	15+73.44	16+26.23	VFW DR	CL	FENCE	LF	230	
PP 3	16+06.66	----	VFW DR	LT	WOOD SHED	EACH	1	
PP 3	16+32.07	16+60.27	VFW DR	CL	FENCE	LF	110	
PP 3	16+29.64	16+36.82	VFW DR	RT	GATE	EACH	2	
PP 4	16+54.32	16+75.81	VFW DR	CL	RAILROAD TIES	LF	85	
PP 4	16+46.57	16+51.53	VFW DR	LT	TIMBER POSTS	EACH	2	
PP 4	16+46.59	21+48.07	VFW DR	CL	FENCE	LF	525	
UP 4	17+17.51	17+26.62	VFW DR	RT / LT	24" CULVERT & END SECTION	LF	33	
PP 4	20+12.37	20+38.45	PARCEL 6 DRIVEWAY	RT / LT	CONCRETE DRIVEWAY	SY	48	
UP 4	19+33.13	19+66.42	PARCEL 6 DRIVEWAY	RT / LT	12" CULVERT & END SECTIONS	LF	27	
PP 4	19+75.00	----	VFW DR	RT	EX MASONARY BLOCK BUILDING	EACH	1	RESTROOM STRUCTURE, PLUMBING & ACCESSORIES
PP 4-6	20+88.69	29+38.40	VFW DR	LT	FENCE	LF	850	
PM 4	20+98.00	----	VFW DR	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX SPEED LIMIT
PP 5	21+16.27	25+83.39	VFW DR	LT	GUARDRAIL	LF	870	
UP 5	23+17.00	----	VFW DR	LT	CONCRETE BOX CULVERT & OVERFLOW STRUCTURE	EACH	1	
PP 5	25+41.85	26+04.10	PARCEL 7 DRIVEWAY 1	RT / LT	CONCRETE DRIVEWAY & CURBS	SY	403	
UP 5	25+14.57	26+02.06	PARCEL 7 DRIVEWAY 1	RT / LT	12" CULVERT & END SECTIONS	LF	96	
UP 5	25+48.07	----	PARCEL 7 DRIVEWAY 1	RT / LT	CATCH BASIN	EACH	1	
PP 6	28+87.73	29+50.96	PARCEL 7 DRIVEWAY 2	RT / LT	CONCRETE DRIVEWAY & CURBS	SY	199	
UP 6	29+75.00	----	VFW DR	RT / LT	24" CULVERT & END SECTION	LF	52	
PP 6	29+04.96	----	VFW DR	RT	MAILBOX	EACH	1	REMOVAL & RELOATION INCIDENTAL
PP 6	29+06.11	29+24.86	VFW DR	RT	METAL BOLLARD	EACH	2	
PP 6	31+12.20	----	VFW DR	LT	WOOD POST	EACH	1	
PP 6-7	32+43.36	32+79.73	PARCEL 8 DRIVEWAY		CONCRETE DRIVEWAY & CURBS	SY	78	

BASE BID

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 350
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 4 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REMOVAL OF IMPROVEMENTS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE	UNIT	QUANTITY	REMARKS
PP 6	32+40.73	----	VFW DR	LT	MAILBOX	EACH	1	REMOVAL & RELOATION INCIDENTAL
PP 6	32+44.39	----	VFW DR	RT	STEEL POST	EACH	1	
PP 6	32+46.92	----	VFW DR	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	
PP 8	RR TRACKS	12+50.00	COUNTY RD	RT / LT	ASPHALT PAVEMENT	SY	640	INCLUDES ST.PIUS DR. & ACCESS TO PRIVATE ROAD
PP 8	10+35.00	12+20.47	COUNTY RD	RT / LT	ASPHALT PAVEMENT	SY	573	INCLUDES VFW DR. PAVEMENT
PM 8	10+50.00	----	COUNTY RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PM 8	11+30.00	----	COUNTY RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PP 8	11+37.12	----	COUNTY RD	CL	POSTS	EACH	2	
PM 8	11+40.00	----	COUNTY RD	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STREET SIGN
PM 8	12+05.00	----	COUNTY RD	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX STOP
PP 8	12+22.20	----	COUNTY RD	LT	MAILBOX	EACH	1	REMOVAL & RELOCATION INCIDENTAL
PP 8	10+00.00	11+56.00	COUNTY RD	LT	CHAIN LINK FENCE	LF	394	
PP 8	11+27.67	11+56.42	PARCEL 11 DRIVEWAY	RT	CONCRETE DRIVEWAY	SY	26	
PP 8	12+04.27	12+23.06	PARCEL 11 DRIVEWAY	RT / LT	CONCRETE SIDEWALK	SY	14	
PP 10	115+00.00	----	NORTH ACCESS RD	RT / LT	SINGLE SPAN BRIDGE AND SUBSTRUCTURE	EACH	1	
PP 10-12	112+59.22	123+73.43	NORTH ACCESS RD	RT / LT	FENCE	LF	2,563	
PM 10	115+93.14	----	NORTH ACCESS RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX UNKNOWN SIGN
PM 10	116+48.10	----	NORTH ACCESS RD	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX UNKNOWN SIGN
PM 10	118+42.57	----	NORTH ACCESS RD	RT / LT	SIGN ASSEMBLY, POST & BASE	EACH	2	EX UNKNOWN SIGN
PM 11	120+56.99	----	NORTH ACCESS RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX UNKNOWN SIGN
PP 11	120+64.87	120+97.40	NORTH ACCESS RD	LT	BEAMS	EACH	3	
PP 11	120+96.15	121+02.75	NORTH ACCESS RD	RT	GATE POST	EACH	2	
PP 12	123+74.15	----	NORTH ACCESS RD	CL	GATE POST	EACH	2	
PP 12	124+56.04	----	NORTH ACCESS RD	RT	SHED	EACH	1	
PM 7	125+26.14	----	NORTH ACCESS RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX UNKNOWN SIGN
PP 12	125+28.90	----	NORTH ACCESS RD	LT	FENCE	LF	26	
PP 13	31+90.00	RR TRACKS	AIRPORT RD	RT / LT	ASPHALT PAVEMENT	SY	134	
PP 13	32+11.00	----	AIRPORT RD	RT / LT	18" CULVERT & END SECTIONS	LF	50	
PM 12	32+37.00	----	AIRPORT RD	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PM 12	32+70.50	----	AIRPORT RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PP 13	35+95.00	----	AIRPORT RD	RT / LT	24" CULVERT & END SECTIONS	LF	55	
PP 13	RR TRACKS	36+05.00	AIRPORT RD	RT / LT	ASPHALT PAVEMENT	SY	1,103	
TC1	136+05.00	138+15.00	TEMP ROAD	RT / LT	ASPHALT PAVEMENT	SY	520	
TC1	139+33.00	140+23.00	TEMP ROAD	RT / LT	ASPHALT PAVEMENT	SY	153	
TC2	141+08.00	142+12.00	TEMP ROAD	RT / LT	ASPHALT PAVEMENT	SY	12	
TC3	146+09.00	148+12.00	TEMP ROAD	RT / LT	ASPHALT PAVEMENT	SY	396	
PP 20-21	9+55.00	15+16.78	US 61	RT	ASPHALT SHOULDER	SY	1,917	
PP 21	14+00.38	14+70.48	US 61	LT	RAISED ASPHALT ISLAND, INCLUDING CURB	SY	2,237	
PM 20	14+51.40	----	US 61	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX GUIDE SIGN ASSEMBLY
PP 21	1084+92.38	1086+57.23	US 67	CL	ASPHALT SHOULDER	SY	1,251	
PP 21	1086+33.18	1086+85.95	US 67	RT	RAISED ASPHALT ISLAND, INCLUDING CURB	SY	716	
PP 21	1087+35.86	1087+53.62	US 67	LT	RAISED ASPHALT ISLAND, INCLUDING CURB	SY	122	
PP 21	15+94.91	16+42.21	US 61	RT	RAISED ASPHALT ISLAND, INCLUDING CURB	SY	1,026	
PP 21	16+54.71	18+55.33	US 61	RT	ASPHALT SHOULDER	SY	1616	
PM 20	16+74.79	----	US 61	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & WRONG WAY
PM 20	16+79.52	----	US 61	RT	POST	EACH	1	
PM 20	17+43.01	----	US 61	RT	SOLAR PANEL ON POST	EACH	1	
SG 2	1087+21.46	----	US 67	RT	SIGNAL CONTROLLER	EACH	1	
SG 2	1086+52.93	----	US 67	LT	PULL BOX	EACH	1	
SG 2	1086+72.05	----	US 67	RT	PULL BOX	EACH	1	
SG 2	1087+20.04	----	US 67	RT	PULL BOX	EACH	1	
SG 2	1087+55.48	----	US 67	RT	PULL BOX	EACH	1	
SG 2	1086+36.34	----	US 67	LT	SIGNAL POST AND MAST ARM	EACH	1	
SG 2	1086+79.14	----	US 67	RT	SIGNAL POST AND MAST ARM	EACH	1	
SG 2	1087+44.26	----	US 67	LT	SIGNAL POST AND MAST ARM	EACH	1	
SG 2	1087+65.84	----	US 67	RT	SIGNAL POST AND MAST ARM	EACH	1	
PP 14	1007+50.00	----	CALVARY CHURCH RD	RT	DROP INLET	EACH	1	
PP 14-16	1107+20.00	1014+50.00	CALVARY CHURCH RD	CL	ASPHALT PAVEMENT	SY	1,374	

BASE BID

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 5 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REMOVAL OF IMPROVEMENTS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE	UNIT	QUANTITY	REMARKS
PM 13	1008+29.67	----	CALVARY CHURCH RD	RT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PM 13	1008+45.21	----	CALVARY CHURCH RD	LT	SIGN ASSEMBLY, POST & BASE	EACH	1	EX YIELD & CROSSBUCK
PP 14-16	1012+50.00	1018+22.95	CALVARY CHURCH RD	RT	GUARD CABLE	LF	573	
PM 14	1012+50		CALVARY CHURCH RD	CL	SIGNAL POST AND MAST ARM	EACH	4	EX OBJECT MARKERS
PP 15	1012+75.00	1013+47.00	CALVARY CHURCH RD	LT	PAVED CONCRETE DITCH	LF	72	
PP 15	1013+47.00	1014+00.00	CALVARY CHURCH RD	LT	12" DIA. CUVLERT	LF	53	
PP 15-16	1013+90.00	1014+53.00	CALVARY CHURCH RD	LT	FENCE	LF	103	
PP 16	1014+45.00	1014+45.00	CALVARY CHURCH RD	CL	SIGN ASSEMBLY, POST & BASE	EACH	4	
PP 16	1014+53.00	----	CALVARY CHURCH RD	LT	GATE	EACH	1	
PP 16	1014+53.00	1014+53.00	CALVARY CHURCH RD	LT	FENCE	LF	67	
						TOTALS	**1 L.S.**	

REMOVAL NOTES:

1. SEE REMOVALS AS REQUIRED FOR SOUTH ACCESS ROAD (PREPARED BY HORNER & SHIFRIN) FOR ADDITIONAL DETAILS
2. NO DIRECT PAYMENT FOR SAWCUTS, SAWCUTS ARE NOT LISTED BUT ARE REQUIRED FOR ALL REMOVALS ADJACENT TO AN ASPHALT OR CONCRETE SURFACE TO REMAIN IN PLACE.
3. ANY ITEM FOR REMOVAL NOT LISTED BUT REQUIRED FOR THE COMPLETION OF THE PROJECT SHALL BE INCLUDED IN THE LUMP SUM COST FOR REMOVAL OF IMPROVEMENTS.

EARTHWORK

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	BULK * CUT (CUYD)	BULK * FILL (CUYD)	CLASS A EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT		REMARKS
									BULK CUT UTILIZED AS FILL (CUYD)	EXCESS BULK CUT AVAILABLE FOR FILL (CUYD)	
1	3+50.00	5+50.00	ST. PIUS SPUR	CL	121.5	266.6	122	163	103	----	
2-7	8+00.00	40+00.00	ST. PIUS DR / VFW DR	CL	2,093.3	37,262.5	2,093	33,122	1,779	----	
8	10+25.00	12+00.00	COUNTY RD	CL	968.9	8.0	969	----	8	816	EXCESS FILL APPLIED TO ST. PIUS / VFW
9-12	111+00.00	125+00.00	NORTH ACCESS RD	CL	2,206.1	30,331.3	2,206	24,796	1,875	----	
13	31+90.00	36+50.00	AIRPORT RD	CL	183.2	66.2	183	----	66	91	EXCESS FILL APPLIED TO NORTH ACCESS RD
TC1-TC3	136+05.01	149+29.88	TEMPORARY RD 1	CL	1,634.2	117.7	1,634	----	118	1,274	EXCESS FILL APPLIED TO NORTH ACCESS RD
TC4-TC5	5+09.39	10+59.79	TEMPORARY RD 2	CL	799.1	8.1	799	----	8	671	EXCESS FILL APPLIED TO NORTH ACCESS RD
14-16	1007+20.00	1018+22.95	CALVARY CHURH RD	CL	2,258.0	302.4	2,258	----	302	1,624	EXCESS FILL APPLIED TO NORTH ACCESS RD
17	10+13.00	11+20.00	SOUTH ACCESS RD	CL	269.5	175.1	270	----	175	----	
20-21	9+50.00	19+00.00	US 61	CL	1,260.3	454.4	1,260	----	454	627	EXCESS FILL APPLIED TO ST. PIUS / VFW
21	1084+50.00	1088+50.00	US 67	CL	1,247.0	144.4	1,247	----	144	919	EXCESS FILL APPLIED TO ST. PIUS / VFW
4-5	21+00.00	25+00.00	VFW	CL	5,321.8	----	5,322	----	----	----	ASSUMED 5' POND OVER EXCAVATION FOR DISPOSAL
				SUB-TOTAL	**18,362.9**	**69,136.7**	**18,362.9**	**58,081.0**	**5,034.1**	**6,021.7**	
				TOTALS	**----**	**----**	**18,363**	**58,081**	**11,056**		

* FOR INFORMATION ONLY

** COMPACTING EMBANKMENT (C.E.) - 15% SHRINKAGE FACTOR APPLIED

CLEARING AND GRUBBING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
3	11+71.55	14+72.27	ST. PIUS/VFW	RT	0.23	
3	14+89.65	15+09.58	ST. PIUS/VFW	RT	0.02	
3-5	15+58.35	21+73.86	ST. PIUS/VFW	RT/LT	0.80	
5-6	25+59.50	31+97.05	ST. PIUS/VFW	LT	0.42	
6	29+32.50	31+75.61	ST. PIUS/VFW	RT	0.09	
8	10+15.10	11+82.75	COUNTY RD	RT/LT	0.30	
9-10	111+50.00	114+97.76	NORTH ACCESS RD	RT/LT	1.40	
10-12	115+23.82	125+35.62	NORTH ACCESS RD	RT/LT	2.10	
13	32+57.85	33+96.96	AIRPORT RD	RT	0.04	
14-15	1008+71.56	1011+17.72	CALVARY CHURCH RD	LT	0.04	
16	1014+34.92	1018+04.50	CALVARY CHURCH RD	RT/LT	0.23	
				SUB-TOTAL	**5.7**	
				TOTAL	**6**	

MOBILIZATION
TOTAL = 1 LUMP SUM

RAILROAD PLAN SUBMITTAL
TOTAL = 1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING
TOTAL = 4 EACH

MISC. {RAILROAD FLAGGER}
TOTAL = 30 DAYS

CONTRACTOR FURNISHED SURVEYING AND STAKING
TOTAL = 1 LUMP SUM

OFFICE FOR ENGINEER
TOTAL = 21 MONTHS

DEWATERING
TOTAL = 2 LUMP SUM

BYPASS PUMPING
TOTAL = 2 LUMP SUM

BASE BID

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 6 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

PAVEMENT

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK) (SQYD)	TYPE 1 AGGREGATE FOR BASE (9 IN. THICK) (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1) (TONS)	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE) (TONS)	TACK COAT – NON-TRACKING (GAL)	CONCRETE PAVEMENT (8 IN. NON-REINFORCED, 15 FT. JOINTS) (SQYD)	CONCRETE PAVEMENT (10 IN. NON-REINFORCED, 15 FT. JOINTS) (SQYD)	CONCRETE BASE (6 IN. NON-REINFORCED) (SQYD)	PAVED APPROACH (8 IN.) (SQYD)	REMARKS
1	3+75.00	6+26.57	ST. PIUS SPUR	CL				1,940.6					1940.6			
1	3+75.00	4+40.01	ST. PIUS SPUR	LT				121.0					121.0			DRIVEWAY
TC8	3+75.00	6+16.57	ST. PIUS SPUR	RT	87.7				9.5	13.8						TEMP WIDENING - 3' WIDE
TC8	7+90.00	9+65.00	ST. PIUS DR	RT	58.3				6.3	9.2						TEMP WIDENING - 3' WIDE
TC8	7+90.00	9+10.00	ST. PIUS DR	LT	38.5				4.2	6.1						TEMP WIDENING - 3' WIDE
2-3	8+25.00	15+28.44	ST. PIUS DR	CL				2,508.9					2508.9			
2	15+28.44	15+36.62	ST. PIUS DR	CL				37.3	3.0	16.7						
2	9+65.00	10+37.00	ST. PIUS	RT			242.0								242.0	DRIVEWAY
2	13+73.00	14+32.00	ST. PIUS	LT		97.9	81.1								81.1	DRIVEWAY
2	14+48.42	15+09.58	ST. PIUS	RT		77.5	55.9								55.9	DRIVEWAY
3-7	155+54.01	33+50.00	VFW DR	CL				7,137.4					7138.0			
3	15+45.83	15+54.01	VFW DR	CL				37.3	3.0	16.7						
4	19+04.29	19+68.75	VFW DR	LT			153.1								153.1	DRIVEWAY
4	19+32.50	19+59.66	VFW DR	RT		271.2	316.9								316.9	DRIVEWAY
5	25+52.80	26+22.37	VFW DR	RT			249.9								249.9	DRIVEWAY
6	28+98.05	29+62.73	VFW DR	RT			212.1								212.1	DRIVEWAY
6-7	32+38.77	32+90.27	VFW DR	LT		25.6	44.7								44.7	DRIVEWAY
7	32+73.86	33+35.24	VFW DR	RT		157.2	145.3								145.3	DRIVEWAY
8	10+00.00	12+15.00	COUNTY RD	CL				1,043.4				1043.4				
8	11+07.23	11+51.48	COUNTY RD	RT			81.5								81.5	DRIVEWAY
8	11+95.02	12+04.40	COUNTY RD	RT		27.0	20.4								20.4	DRIVEWAY
8	12+09.17	12+09.37	COUNTY RD	RT			125.2								125.2	DRIVEWAY
9-12	111+25.00	125+50.00	NORTH ACCESS RD	CL				4,893.8					4893.8			
TC1-TC3	136+05.00	149+29.90	TEMP RD 1	CL	4,096.7				443.4	646.2						
TC4-TC5	5+00.00	36+00.00	TEMP RD 2	CL	1,147.4				124.2	181.0						
13	31+90.00	36+05.00	AIRPORT RD	CL				1,281.6	138.7	202.2						
14	1007+20.00	1008+22.21	CALVARY CHURCH ROAD	CL			329.4		32.0	132.0	48					
14-16	1008+52.52	1016+80.18	CALVARY CHURCH ROAD	CL			2,671.2		259.2	1070.6	384					
17	10+00.00	11+20.00	SOUTH ACCESS RD	CL				1,038.0					1037.9			
20-21	9+55.00	1506+12.00	US 61	RT	787.9				85.3	165.7	126			787.9		RT TURN LANE WIDENING
21	14+00.38	14+70.48	US 61	LT	46.7				5.0	9.8	8			46.6		REMOVE AND REPLACE ISLAND
21	1084+92.38	1086+57.23	US 67	CL	270.5				29.3	56.9	44			270.5		CENTER WIDENING
21	1086+33.18	1086+85.95	US 67	RT	43.1				4.7	9.1	6			43.1		REMOVE AND REPLACE ISLAND
21	1087+35.86	1087+53.62	US 67	LT	13.6				1.5	2.9	2			13.6		REMOVE ISLAND
21	1087+50.31	1088+48.12	US 67	RT	91.1				9.9	19.2	14			91.0		CENTER WIDENING
21	15+94.91	16+42.21	US 61	RT	65.1				7.0	13.7	10			65.1		REMOVE AND REPLACE ISLAND
21	16+54.71	18+55.33	US 61	RT	373.4				40.4	78.5	60			373.3		RECEIVING LANE WIDENING
				SUB-TOTAL	**7,120.0**	**656.4**	**4,728.7**	**20,039.3**	**1,206.6**	**2,650.3**	**702**	**1,043.4**	**17,640.2**	**1,691.1**	**1,728.1**	
			SUB-TOTAL FROM CURB AND MEDIANS		----	----	**267.3**	----	----	----	----	----	----	----	----	
				TOTAL	**7,120**	**657**	**4,996**	**20,040**	**1,206.6**	**2,650.3**	**710**	**1,043.4**	**17,640.2**	**1,691.1**	**1,728.1**	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 7 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

GUARDRAIL AND FENCE

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MGS GUARDRAIL 8 FT. POSTS, 6 FT.-3 IN. SPACING (LF)	TYPE A CRSHW'RTHY END TERMINAL (MASH) (EA)	CHAIN-LINK FENCE (60 IN.) (LF)	MISC. {BOLLARD} (EA)	MISC. {SPECIAL CHAIN-LINK FENCE (60")} (LF)	REMARKS
3-5	15+99.31	25+34.21	VFW DR	RT			883			FENCE ALONG POND
4-5	19+77.49	24+19.53	VFW DR	LT	354.0	2				
4-5	20+50.99	24+84.69	VFW DR	RT	329.5	2				
5	25+50.00	26+20.00	VFW DR	RT				2		
5-6	26+48.84	29+05.26	VFW DR	RT			271			FENCE BETWEEN DRIVEWAYS
6	23+10.00	23+18.00	VFW DR	LT					23	BOX CULVERT
6	29+05.00	29+50.00	VFW DR	RT				2		
10	114+28.24	116+16.13	NORTH ACCESS RD	LT	87.5	2				
10	114+01.08	115+93.09	NORTH ACCESS RD	RT	87.5	2				
10	114+93.23	115+26.48	NORTH ACCESS RD	LT					165	BOX CULVERT
				SUB-TOTAL	**858.5**	**8**	**1,154**	**4**	**188**	
				TOTAL	**859**	**8**	**1,154**	**4**	**188**	

CURB AND MEDIANS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	6 IN. CONCRETE MEDIAN STRIP (SQYD)	CONCRETE SIDEWALK, 4 IN. (SQYD)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	SLOPE PROTECTION (SQYD)	MISC. {18 IN. WHITE ISLAND TUBULAR MARKER} (EA)	REMARKS
1	5+89.95	6+11.56	ST. PIUS SPUR	RT		26.3					3	
2	9+65.31	10+37.00	PARCEL 3 DRIVEWAY	RT / LT					181			4" REVEAL
6	29+10.57	29+62.73	VFW DR	RT					75			
8	12+01.91	12+04.37	COUNTY RD	RT			16.4					
21	14+04.66	14+67.33	US 61	LT	191.2			196		191.2	3	
21	1086+35.18	1086+70.18	US 67	RT	32.1			81		32.1	3	
21	16+03.63	16+29.83	US 61	RT	44.0			89		44.0	3	
				SUB-TOTAL	**267.3**	**26.0**	**16.4**	**366**	**256**	**267.3**	**12**	
				TOTAL	**----**	**26.0**	**16.4**	**366**	**256**	**267**	**12**	SEE PAVEMENT SCHEDULE FOR AGG TOTAL

BASE BID

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 8 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DRAINAGE

STRU. NUMBER	UTILITY SHEET	CULVERT SECTION SHEET	STATION	OFFSET	ROADWAY	STND.	INLET TYPE	ACTUAL DEPTH	CLASS 3 EXCAVATION (CUYD)	PRECAST CONCRETE MANHOLE 48 IN. (FT)	PRECAST CONCRETE DROP INLET 3 FT X 2 FT (FT)	PRECAST CONCRETE DROP INLET 5 FT X 3 FT (FT)	MISC. {PRECAST CONCRETE MANHOLE 42 IN.} (FT)	GRATE AND BEARING PLATE (3 FT X 2 FT) (EA)	GRATE AND BEARING PLATE (5 FT X 3 FT) (EA)	MANHOLE FRAME AND COVER, TYPE 4 (EA)	MISC. {CONVERT INLET TO MANHOLE} (EA)	PIPE OPENINGS (NUMBER-SIZE)	REMARKS
MH-5A-1	3	1	12+60.00	39.5' RT	ST. PIUS DR	731.10S	TYPE 4	4.45	2.6	5						1		2-18	CONNECTION TO EXIST
MH-5-2	3	3	12+93.00	40.0' RT	ST. PIUS DR	731.10S	TYPE 4	5.53	3.0	6						1		1-18, 2-42	
MH-5-3	3	3	12+87.00	23.00' LT	ST. PIUS DR	731.10S	TYPE 4	8.26	4.3	9						1		2-42	
MH-5-5	2	3	10+51.00	29.00' LT	ST. PIUS DR	731.10S	TYPE 4	9.23	4.8	10						1		2-42	
DI-4-2	3	1	14+70.00	23.50' LT	ST. PIUS DR	731.10S	S-3	3.50	4.0			4			1			1-15	
DI-5-4	2	3	11+77.00	41.00' LT	ST. PIUS DR	731.10S	S-3	3.63	2.0		4			1				2-42	
DI-1-2	3	1	10+38.00	24.00' LT	COUNTY	731.10S	S-3	2.50	1.6		3			1				3-15	
OS 8-1	5	4	23+23.75	79.00'RT	VFW DR	SP. DTL.	TYPE 4	----	----							1		----	LOCKING LID REQUIRED *
MH-8-2	5	4	23+20+10	24.00'RT	VFW DR	JSP	TYPE 4	----	----				17			1		----	LOCKING LID REQUIRED *
DI-16-3	13	6	35+45.00	19.50' RT	AIRPORT	731.10S	S-3	4.00	2.2		4			1				1-24	
DI-16-2	13	6	35+95.00	20.00' RT	AIRPORT	731.10S	S-3	4.33	2.4		5			1				1-24, 1-30	
MH S-1	3	UP3	12+80	31.67' RT	ST. PIUS DR	731.10S	TYPE 4	8.30	4.1	9						1			
MH S-2	3	UP3	13+45	31.08' RT	ST. PIUS DR	731.10S	TYPE 4	9.90	4.8	10						1			LOCKING LID REQUIRED *
DI 202-1	PP 14	7	1007+06.32	42.23' RT	CALVARY CHURCH RD	731.10S	S-1	2.94	11.3		3							1-18"	CONNECTION TO EXIST
MH 300-2	10	8	1087+66.67	6.77' RT	US-67	604.30G	TYPE 4	4.00	14.5	4						1	1	1-12", 2-18"	LOCKING LID REQUIRED *
DI 300-1	10	8	1088+28.95	5.57' RT	US-67	731.10S	S-1	3	11.6		3			1					
								SUB-TOTAL	73.2	53	22	4	17	5	1	9	1		SEE PIPE SCHEDULE
								TOTALS	----	53	22	4	17	5	1	9	1		

* COST FOR LOCKING LID SHALL BE INCIDENTAL TO TYPE 4 MANHOLE FRAME AND COVER

UTILITIES

UTILITY SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MISC. {CUT AND CAP EXISTING WATERMAIN} (EA)	MISC. {FIRE HYDRANT WITH AUXILIARY VALVE, VAVE BOX AND TEE} (EA)	MISC. {TRANSFER EXISTING SERVICE CONNECTION} (EA)	MISC. {ADJUST TO GRADE WATER VALVE} (EA)	MISC. {ADJUST TO GRADE WATER METER} (EA)	MISC. {6 IN. DIAMETER WATERMAIN} (LF)	MISC. {ADJUST TO GRADE GAS VALVE} (EA)	ADJUSTING MANHOLE (EA)	MISC. {POT HOLING FOR UTILITY FACILITIES} (EA)	REMARKS
			VARIOUS LOCATIONS										30	
2	8+93.90		ST. PIUS DR	RT				1						
2	9+60.70		ST. PIUS DR	RT							1			
2	10+15.78		ST. PIUS DR	RT				2						
2	10+16.78		ST. PIUS DR	RT				1						
3	11+75.00	14+74.30	ST. PIUS DR	RT	2					313				
3	13+65.78	---	ST. PIUS DR	LT/RT			1	1	1					
3	14+14.15		ST. PIUS DR	LT							1			
3	14+65.05		ST. PIUS DR	LT							1			
3	14+40.17	14+43.83	VFW DR	LT		1								
3-4,8	16+28.10	21+00.00	VFW DR	LT/RT	1	1				582				
8	11+90.61		COUNTY RD	CL								1		LOCKING LID REQUIRED *
8	12+40.81		COUNTY RD	RT				2	1					
				TOTALS	3	2	1	7	2	895	3	1	30	

* COST FOR LOCKING LID SHALL BE INCIDENTAL

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

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

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 3
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 9 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DRAINAGE

UTILITY SHEET	CULVERT SECTION SHEET	ROADWAY	FROM STRUCTURE	TO STRUCTURE	CLASS 3 EXCAVATION (CUYD)	CLASS 4 EXCAVATION (CUYD)	MISC. (TYPE 1 AGGREGATE FOR BASE (18" THICK)} (SQYD)	MISC. (TYPE 1 AGGREGATE FOR BASE (24" THICK)} (SQYD)	CLASS B-1 CONCRETE (CUYD)	REINFORCING STEEL (CULVERTS-BRIDGE) (LBS)	21 IN. PIPE GROUP B (LF)	30 IN. PIPE GROUP B (LF)	12 IN. PIPE GROUP A (LF)	15 IN. PIPE GROUP A (LF)	18 IN. PIPE GROUP A (LF)	24 IN. PIPE GROUP A (LF)	30 IN. PIPE GROUP A (LF)	36 IN. PIPE GROUP A (LF)	42 IN. PIPE GROUP A (LF)	MISC. (10 IN PIPE, SANITARY SEWER} (LF)	MISC. (CONCRETE ENCASEMENT} (CY)	MISC. (CONCRETE CRADLE} (CY)	21 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION (EA)	30 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION (EA)	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	30 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	42 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	REMARKS
3	1	VFW	DI-1-2	FES-1-1	28									72															SMOOTH INTERIOR WALL
3	1	VFW	FES-1-2	DI-1-2																									SMOOTH INTERIOR WALL
3	1	COUNTY RD	DI-1-2	FES-2-1	22.8									39															SMOOTH INTERIOR WALL
3	1	ST. PIUS DR	MH-5A-1	MH-5-2	7.3										33														SMOOTH INTERIOR WALL
3	3	ST. PIUS DR	MH-5-2	FES-5-1	33.6														51									1	SMOOTH INTERIOR WALL
3	3	ST. PIUS DR	MH-5-3	MH-5-2	73.8														64			1.2							SMOOTH INTERIOR WALL
3	UP 3	ST. PIUS DR	MH S-1	MH S-2	23.6															65									
5	4	VFW	HW-8-1	HW-8-2		120	177		103.1	15,200																			
5	4	VFW	OS 8-1				23.3		17.2	3,030																			
3	1	ST. PIUS DR	FES-6-2	FES-6-1	8.6							62													2				SMOOTH INTERIOR WALL
2	3	ST. PIUS DR	EX-CB	MH5-5	33.9														133										SMOOTH INTERIOR WALL
3	3	ST. PIUS DR	DI-5-4	MH-5-3	168.1														110										SMOOTH INTERIOR WALL
2	3	ST. PIUS DR	MH-5-5	DI-5-4	110.8														128										SMOOTH INTERIOR WALL
3	2	ST. PIUS DR	FES-7-2	FES-7-1	79														97									2	SMOOTH INTERIOR WALL
3	1	ST. PIUS DR	FES-4-1	DI-4-2	57.8									77							2.8								SMOOTH INTERIOR WALL
5	2	VFW	FES-9-1	FES-9-2	4.5						54												2						SMOOTH INTERIOR WALL
6	2	VFW	FES-10-1	FES-10-2	53											65										2			SMOOTH INTERIOR WALL
10	5	NORTH ACCESS RD	FES-15-1	FES-15-2	6.5									111											2				SMOOTH INTERIOR WALL
10	5	NORTH ACCESS RD	HW-B2-1	HW-B2-1		590.0		497.0	398.7	56,050																			
13	6	AIRPORT	FES-17-2	FES-17-1	13.3										39														SMOOTH INTERIOR WALL
13	6	AIRPORT	DI-16-3	DI-16-2	25.9											50													SMOOTH INTERIOR WALL
13	6	AIRPORT	DI-16-2	FES-16-1	62.7												47										1		SMOOTH INTERIOR WALL
21	8	US-67	FES 300-1	MH 300-2	14.1								61																SMOOTH INTERIOR WALL
				SUB-TOTAL 1	**827.3**	**710.0**	**200.3**	**497.0**	**519.0**	**74,280**	**54**	**62**	**61**	**299**	**72**	**115**	**47**	**0**	**583**	**65**	**2.8**	**1.2**	**2**	**2**	**6**	**2**	**1**	**3**	
				SUB-TOTAL 2	**73.2**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**----**	
* STORM SYSTEMS 3, 11 AND 14 ARE REMOVED FROM PROJECT				**TOTALS**	**901**	**710**	**200**	**497**	**519**	**74,280**	**54**	**62**	**61**	**299**	**72**	**115**	**47**	**----**	**583**	**65**	**3**	**1**	**2**	**2**	**6**	**2**	**1**	**3**	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 3
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043-3500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 10 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EROSION CONTROL

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	FURNISHING TYPE 2 ROCK DITCH LINER (CY)	PLACING TYPE 2 ROCK DITCH LINER (CY)	ROCK LINING (CY)	FURNISHING TYPE 1 ROCK BLANKET (CY)	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 1 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	TURF TYPE TALL FESCUE SODDING (SY)	TOPSOIL (CY)	MISC. {SEEDING} (AC)	TYPE 1D EROSION CONTROL BLANKET (SY)	ROCK DITCH CHECK (LF)	CURB INLET CHECK (EA)	TEMPORARY SEEDING (AC)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	REMARKS
1	3+75.00	5+86.73	ST. PIUS SPUR	RT									267.0	44.5								
1	4+16.42	5+80.56	ST. PIUS SPUR	LT									582.0	97.0								
1	4+17.22	5+80.42	ST. PIUS SPUR	LT													43				280	3.2	
1	8+22.70	9+84.48	ST. PIUS DR	RT													18				222	2.4	
1	8+25.00	9+46.44	ST. PIUS DR	LT									121.9	20.3									
1	8+25.00	9+89.34	ST. PIUS DR	RT									87.4	14.6									
1	9+17.55	----	ST. PIUS DR	LT														1				1.0	
2	10+13.43	14+76.75	ST. PIUS DR	RT									1,335.3	222.6									
2	10+22.56	14+50.70	ST. PIUS DR	RT													52				471	5.2	
2	10+37.00	----	ST. PIUS DR	RT			3.1					9.3											FES 6-1 (6'W x 14'L x 1'D)
2	10+49.07	11+94.93	ST. PIUS DR	LT									466.9	77.8									
2	11+25.45	11+76.41	ST. PIUS DR	LT	26.2	26.2						78.7											(12'W x 59'L x 1'D)
2	11+77.83	----	ST. PIUS DR	LT														1				1.0	
2	12+24.93	13+79.96	ST. PIUS DR	LT									412.1	68.7									
2	12+47.62	13+63.60	ST. PIUS DR	LT																	130	1.3	
2	13+02.50	----	ST. PIUS DR	LT														1				1.0	
2	13+40.00	----	ST. PIUS DR	RT			14.8					44.4											FES 5-1 (10'W x 20'L x 2'D)
2	13+48.00	----	ST. PIUS DR	RT			1.8					5.3											FES 7-1 (7'W x 16'L x 1'D)
2	13+63.82	14+39.70	ST. PIUS DR	RT																	57	0.6	
2	14+09.02	15+33.39	ST. PIUS DR	LT										106.8	0.13	641							
2	14+57.78	14+77.98	ST. PIUS DR	LT													26				117	1.4	
2	14+45.00	----	ST. PIUS DR	RT			1.8					5.3											FES 4-1 (4'W x 12'L x 1'D)
2	14+69.46	----	ST. PIUS DR	LT														1				1.0	
2	14+90.63	15+43.92	ST. PIUS DR	RT										15.5	0.02	93							
2	14+92.56	15+29.72	ST. PIUS DR	RT																	100	1.0	
2-3	15+51.44	15+88.71	VFW DR	RT										4.5	0.01	27							
2-3	15+60.61	15+85.91	VFW DR	RT																	59	0.6	
3	15+85.12	19+55.81	VFW DR	RT									1,005.3	167.6									
3	15+90.00	----	VFW DR	LT			1.8					5.3						1				1.0	FES 2-1 (4'W x 12'L x 1'D)
3	15+97.12	20+89.50	VFW DR	RT																	750	7.5	
3	16+04.95	----	VFW DR	RT			1.8					5.3											FES 1-1 (4'W x 12'L x 1'D)
3	16+31.92	17+86.39	VFW DR	LT													52					0.5	
3	16+63.43	19+48.36	VFW DR	LT																	351	3.5	
3	17+00.35	17+93.83	VFW DR	LT										22.6	0.03	136							
3	17+93.83	19+46.11	VFW DR	LT									259.9	43.3									
3-4	19+46.18	25+66.06	VFW DR	RT									3,559.6	593.3									
3-4	19+59.83	21+40.00	VFW DR	LT									607.8	101.3									
3-6	19+72.71	32+55.70	VFW DR	LT																	1,303	13.0	
3-4	21+00.23	24+22.51	VFW DR	RT	33.4	33.4						100.2											12" THICK (VFW POND)
3-6	21+20.00	32+13.96	VFW DR	LT										330.4	0.41	1,982							
3-4	21+20.04	22+98.24	VFW DR	LT				298.2		298.2		596.4											18" THICK
4	23+01.67	23+20.38	VFW DR	LT					13.7		13.7	20.5											24" THICK
4	24+98.35	25+33.72	VFW DR	RT													13					0.1	
4-5	25+10.53	29+81.84	VFW DR	LT				679.0		679.0		1,358.0											18" THICK
4	25+47.63	----	VFW DR	LT														1				1.0	
4	25+58.00	----	VFW DR	RT			1.8					5.3											FES 9-1 (4'W x 12'L x 1'D)
4-5	26+17.67	29+11.04	VFW DR	RT									432.8	72.1									
4-5	26+29.83	29+16.79	VFW DR	LT													42					0.4	
4-5	26+44.70	28+84.19	VFW DR	RT																	316	3.2	
4-5	26+49.21	28+89.36	VFW DR	RT													27				661	6.9	
			SUB-TOTAL 1		**59.6**	**59.6**	**26.9**	**977.2**	**13.7**	**977.2**	**13.7**	**2,234.0**	**9,138.0**	**2,002.9**	**0.60**	**2,879**	**273**	**6**	**0.0**	**4,817**	**56.8**	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

QUANTITIES
SHEET 11 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EROSION CONTROL

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	FURNISHING TYPE 2 ROCK DITCH LINER (CY)	PLACING TYPE 2 ROCK DITCH LINER (CY)	ROCK LINING (CY)	FURNISHING TYPE 1 ROCK BLANKET (CY)	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 1 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	TURF TYPE TALL FESCUE SODDING (SY)	TOPSOIL (CY)	MISC. {SEEDING} (AC)	TYPE 1D EROSION CONTROL BLANKET (SY)	ROCK DITCH CHECK (LF)	CURB INLET CHECK (EA)	TEMPORARY SEEDING (AC)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	REMARKS
5	28+95.87	31+75.43	VFW DR	RT																347	3.5	
5	29+10.42	31+91.83	VFW DR	RT										107.0	0.13	642						
5	29+68.00	----	VFW DR	LT			3.1					9.3										FES 10-1 (6'W x 14'L x 1'D)
5	29+99.30	31+23.64	VFW DR	RT													22				0.2	
5-6	30+59.41	32+22.75	VFW DR	LT													18				0.2	
6	32+13.96	32+58.77	VFW DR	LT									90.0	15.0								
6	32+96.89	33+79.15	VFW DR	LT													22				0.2	
6	32+70.27	33+94.63	VFW DR	LT									250.3	41.7								
6	32+81.57	33+94.55	VFW DR	LT																126	1.3	
6	33+22.43	35+62.15	VFW DR	RT										134.4	0.17	807						
6	33+47.81	35+64.51	VFW DR	RT																237	2.4	
3 & 7	10+00.00	11+41.62	COUNTY RD	RT										151.1	0.19	907						
3 & 7	10+15.00	11+50.98	COUNTY RD	LT										172.5	0.21	1,035						
3	10+41.00	----	COUNTY RD	RT			1.8					5.3										FES 2-1 (4'W x 12'L x 1'D)
3	10+53.74	10+93.65	COUNTY RD	RT													11				0.1	
3 & 7	10+65.78	11+04.89	COUNTY RD	LT													22				0.2	
7	11+24.92	12+51.91	COUNTY RD	LT																179	1.8	
7	11+41.68	12+01.95	COUNTY RD	RT									76.8	12.8								
7	11+50.98	12+50.00	COUNTY RD	LT									114.4	19.1								
7	11+70.53	11+99.08	COUNTY RD	RT																43	0.4	
7	12+00.89	12+58.19	COUNTY RD	RT									96.9	16.1								
7	12+15.36	12+58.79	COUNTY RD	RT																64	0.6	
8-9	111+25.00	114+94.43	NORTH ACCESS RD	LT																251	2.5	
8-9	111+25.00	114+92.67	NORTH ACCESS RD	RT																284	2.8	
8-11 & 6	111+50.00	125+06.00	NORTH ACCESS RD	LT										972.5	1.21	5,835						
8-11 & 6	111+50.00	125+26.68	NORTH ACCESS RD	RT										957.5	1.19	5,745						
9	114+78.16	115+50.00	NORTH ACCESS RD	RT					148.7		148.7	223.0										24" THICK
9	114+82.48	115+36.27	NORTH ACCESS RD	LT					59.8		59.8	89.7										24" THICK
9-11 & 6	115+26.70	124+95.67	NORTH ACCESS RD	LT																963	9.6	
9-11	115+28.57	124+40.11	NORTH ACCESS RD	RT																969	9.7	
9	116+95.00	----	NORTH ACCESS RD	RT			1.0					3.1										FES 15-1 (4'W x 12'L x 1'D)
10	118+09.83	118+19.92	NORTH ACCESS RD	LT				5.6		5.6		11.1										18" THICK
10-11	118+54.87	124+10.17	NORTH ACCESS RD	LT													78					
11 & 6	123+28.68	125+09.54	NORTH ACCESS RD	RT													39				0.4	
12	32+11.00	----	AIRPORT RD	LT			1.0					3.1										FES 17-1 (4'W x 12'L x 1'D)
12	31+89.79	32+48.11	AIRPORT RD	LT																59	0.6	
12	31+89.64	32+46.06	AIRPORT RD	RT																60	0.6	
12	31+90.00	32+48.84	AIRPORT RD	LT										5.7	0.01	34						
12	31+90.00	32+47.92	AIRPORT RD	RT										14.0	0.02	84						
12	32+56.67	35+06.89	AIRPORT RD	RT										8.1	0.01	49						
12	32+57.85	36+05.00	AIRPORT RD	LT										76.5	0.09	459						
12	32+57+54	33+30.50	AIRPORT RD	RT																73	0.7	
12	35+97.00	----	AIRPORT RD	LT			4.1					12.4										FES 203 (6'W x 14'L x 1'D)
12	32+59.61	36+65.71	AIRPORT RD	LT																407	4.1	
12	35+28.14	36+05.00	AIRPORT RD	RT																130	1.3	
12-13	136+56.79	139+99.45	TEMPORARY RD	RT																356	3.6	
12-14 & 8	136+05.00	149+29.90	TEMPORARY RD	LT & RT										1,301.4	1.61	7,808						
12-14	136+66.46	142+11.44	TEMPORARY RD	LT																508	5.1	
14 & 8	146+09.62	149+30.07	TEMPORARY RD	LT																317	3.2	
8	147+19.99	149+29.90	TEMPORARY RD	RT																212	2.1	
15	1007+20.00	1007+51.33	CALVARY CHURCH RD	LT										3.2	0.01	19						
15	1007+20.00	1007+79.89	CALVARY CHURCH RD	RT										2.1	0.01	13						
			SUB-TOTAL 2		**0.0**	**0.0**	**11.0**	**5.6**	**208.5**	**5.6**	**208.5**	**357.0**	**628.4**	**4,010.7**	**4.86**	**23,437**	**212**	**0**	**0.0**	**5,585**	**57.2**	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

QUANTITIES
SHEET 12 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EROSION CONTROL

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	FURNISHING TYPE 2 ROCK DITCH LINER (CY)	PLACING TYPE 2 ROCK DITCH LINER (CY)	ROCK LINING (CY)	FURNISHING TYPE 1 ROCK BLANKET (CY)	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 1 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	TURF TYPE TALL FESCUE SODDING (SY)	TOPSOIL (CY)	MISC. {SEEDING} (AC)	TYPE 1D EROSION CONTROL BLANKET (SY)	ROCK DITCH CHECK (LF)	CURB INLET CHECK (EA)	TEMPORARY SEEDING (AC)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	REMARKS
15	1007+20.00	1007+51.33	CALVARY CHURCH RD	LT										3.2	0.01	19						
15	1007+20.00	1007+79.89	CALVARY CHURCH RD	RT										2.1	0.01	13						
15	1007+20.97	1007+74.00	CALVARY CHURCH RD	RT													26					0.3	
15	1007+50.11	----	CALVARY CHURCH RD	RT														1				1.0	
15-17	1008+69.24	1017+03.77	CALVARY CHURCH RD	LT													36					0.4	
15-17	1008+72.85	1017+21.84	CALVARY CHURCH RD	LT																	857	8.6	
15-17	1008+92.67	1017+25.20	CALVARY CHURCH RD	LT										211.9	0.26	1,271							
15	1009+13.12	----	CALVARY CHURCH RD	RT														1				1.0	
15-17	1009+21.40	1018+22.95	CALVARY CHURCH RD	RT										145.1	0.18	870							
15-16	1009+41.38	1012+06.80	CALVARY CHURCH RD	RT													45					0.5	
16-17	1012+65.60	1018+22.41	CALVARY CHURCH RD	RT																	582	5.8	
17	10+21.43	11+20.00	SOUTH ACCESS RD	RT										9.7	0.01	58					99	1.0	
17	10+26.32	11+20.00	SOUTH ACCESS RD	LT										31.8	0.04	191	12				94	1.1	
21-22	9+40.03	15+04.68	US 61	RT										101.0	0.13	606							
21-22	9+53.24	15+17.94	US 61	RT																	593	5.9	
21	13+69.26	----	US 61	LT														1				1.0	
22	16+54.71	18+85.33	US 61	RT										10.1	0.01	61							
22	16+62.01	18+85.33	US 61	RT																	308	3.1	
22	1084+63.12	1085+45.32	US 67	LT																	83	0.8	
22	1084+92.38	1085+70.56	US 67	LT										3.7	0.00	22							
22	1085+60.39	----	US 67	LT														1				1.0	
22	1085+60.80	----	US 67	RT														1				1.0	
22	1087+54.39	----	US 67	RT														1				1.0	
22	1087+66.62	----	US 67	RT														1				1.0	
22	1087+75.00	1088+48.12	US 67	LT/RT										4.3	0.01	26							
22	1088+28.94	----	US 67	RT														1				1.0	
22	1088+31.42	1088+56.89	US 67	LT & RT																	31	0.3	
	MISC. LOCATIONS																			2.0			USED AS DIRECTED
			SUB-TOTAL 1		59.6	59.6	26.9	977.2	13.7	977.2	13.7	2,234.0	9,138.0	2,002.9	0.60	2,879	273	6	0.0	4,817	56.8	
			SUB-TOTAL 2		0.0	0.0	11.0	5.6	208.5	5.6	208.5	357.0	628.4	4,010.7	4.86	23,437	212	0	0.0	5,585	57.2	
			SUB-TOTAL 3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	517.6	0.64	3,105	119	8	2.0	2,646	35.8	
			TOTALS		60	60	38	983	222	983	222	2,591	9,766	6,531	6.1	29,421	604	14	2.0	13,048	150	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

QUANTITIES
SHEET 13 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

PAVEMENT MARKING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	PREFORMED THERMOPLASTIC						WATERBORNE PAVEMENT MARKING PAINT								MARKING REMOVAL		TEMPORARY PVMT. MARKING			REMARKS
					PREFORMED THERMO-PLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMO-PLASTIC PAVEMENT MARKING, 24 IN. YELLOW	PREFORMED THERMO-PLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW		PREFORMED THERMO-PLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	PREFORMED THERMO-PLASTIC PAVEMENT MARKING, R/R CROSSING MARKER	PREFORMED THERMO-PLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS		4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS		PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL (SYMBOLS)	TEMPORARY REMOVABLE MARKING TAPE 4 IN., WHITE	TEMPORARY REMOVABLE MARKING TAPE 4 IN., YELLOW	4 IN TEMPORARY PAVEMENT MARKING PAINT	
							(LT)	(RT)				(SOL)	(INT)	(SOL)	(INT)	(SOL)	(INT)	(SOL)	(INT)						
					(LF)	(LF)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(LF)	(LF)	(LF)	
1	3+75.00	6+16.561	ST. PIUS SPUR	RT	12			1			12					480									
1	4+25.61	6+15+.60	ST. PIUS SPUR	LT	141											229									
1	4+19.00	6+05.00	ST. PIUS SPUR	CL														638							
2-3	8+25.00	15+41.59	ST. PIUS DR.	RT	63					1						702									
2-3	8+25.00	15+41.59	ST. PIUS DR.	LT	14											569									
2-3	8+25.00	15+41.59	ST. PIUS DR.	CL														1,206							TO RAILROAD
3-7	15+50.83	33+50.00	VFW DR.	RT												1,628									
3-7	15+50.83	33+50.00	VFW DR.	LT	52					1						1,730									
3-7	15+50.83	33+50.00	VFW DR.	CL														3,245							
3-7	15+50.83	33+50.00	VFW DR.	LT/RT/CT																			543		STAGE 2 TTC
3-7	15+50.83	33+50.00	VFW DR.	LT/RT/CT																		738	422		STAGE 5 TTC
3-7	15+50.83	33+50.00	VFW DR.	LT/RT/CT																		668			STAGE 6 TTC
3-7	15+50.83	33+50.00	VFW DR.	LT/RT/CT																		656			STAGE 7 TTC
8	10+32.00	11+06.88	COUNTY RD.	CL														150							
8	10+10.92	12+15.00	COUNTY RD.	LT & RT	10											493									
9-11	111+25.00	125+32.33	NORTH ACCESS RD.	RT	31											1,432									
9-11	111+25.00	125+32.33	NORTH ACCESS RD.	LT												1,413									
9-11	111+25.00	125+21.00	NORTH ACCESS RD.	CL														2,742							
9-11	136+05.00	149+29.90	TEMPORARY RD.	CL																				5,271	TTC
12	31+90.00	36+05.00	AIRPORT RD.	RT	13											406									
12	31+90.00	36+05.00	AIRPORT RD.	LT	35					1						406									
12	31+90.00	36+05.00	AIRPORT RD.	CL														812							
13-15	1007+20.00	1018+22.95	CALVARY CHURCH RD	RT	33					1						1,073									
13-15	1007+20.00	1017+92.99	CALVARY CHURCH RD	LT	33					1						943									
13-15	1007+20.00	1018+22.95	CALVARY CHURCH RD	CL														1,059							
16-17	10+18.89	11+20.00	SOUTH ACCESS RD.	RT												101									
16-17	10+15.00	11+20.00	SOUTH ACCESS RD.	LT	43											105									
16-17	10+16.22	11+20.00	SOUTH ACCESS RD.	CL														208							
19-20	6+05.51	14+55.63	US 61	RT	37		4	3	3					2,003	42					1,537	6				
19-20	6+05.51	15+33.37	US 61	CL		70						2,156								1,594					
19-20	15+97.15	18+84.81	US 61	LT	33		1	1						353	33					101	2				
19-20	15+69.72	18+84.81	US 61	RT										281						103					
19-20	16+09.81	18+84.81	US 61	CL								910								91					
19-20	1084+87.89	1087+75.00	US 67	RT	94		2				10			486						482	1				
19-20	1064+87.89	1086+61.98	US 67	CL		97						174								153					
19-20	1087+41.91	1087+74.62	US 67	LT	36															114					
19-20	6+05.51	1884.81	US 61 / US 67	LT & RT																		1,951	1,060		STAGE 1 TTC
19-20	6+05.51	1884.81	US 61 / US 67	LT & RT																		1,282	1,336		STAGE 2 TTC
19-20	6+05.51	1884.81	US 61 / US 67	LT & RT																			6,784		STAGE 3 TTC
19-20	6+05.51	1884.81	US 61 / US 67	LT & RT																		3,233	9,180		STAGE 4 TTC
				TOTALS	680	167	12		3	5	22	3,240		3,198		11,710		10,059		4,175	9	8,528	19,325	5,271	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

QUANTITIES
SHEET 14 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

EARTHWORK

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	BULK * CUT (CUYD)	BULK * FILL (CUYD)	CLASS A EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT BULK CUT UTILIZED AS FILL (CUYD)	COMPACTING EMBANKMENT EXCESS BULK CUT AVAILABLE FOR FILL (CUYD)	REMARKS
17-19	11+20.00	23+00.00	SOUTH ACCESS RD	CL	10,186.8	2,966.5	10,187	----	2,967	5,759	EXCESS FILL APPLIED TO NORTH ACCESS RD
				SUB-TOTAL	10,186.8	2,966.5	10,186.8	0.0	2,966.5	5,759.0	
				TOTALS	----	----	10,187	0	8,726		

* FOR INFORMATION ONLY

** COMPACTING EMBANKMENT (C.E.) - 15% SHRINKAGE FACTOR APPLIED

CLEARING AND GRUBBING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
17-19	11+70.00	23+00.00	SOUTH ACCESS RD	RT/LT	2.44	
				SUB-TOTAL	2.4	
				TOTAL	3	

PAVEMENT

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	CONCRETE PAVEMENT (10 IN. NON-REINFORCED, 15 FT. JOINTS) (SQYD)	REMARKS
17	11+20.00	12+78.73	SOUTH ACCESS RD	CL	529.2	529.1	FULL DEPTH PAVEMENT SECTION
17	12+78.73	13+08.73	SOUTH ACCESS RD	CL	105.0	105.0	FULL DEPTH PAVEMENT SECTION - SHOULDER WIDTH TRANSITION
17-19	13+08.73	21+99.40	SOUTH ACCESS RD	CL	3,252.9	3252.9	FULL DEPTH PAVEMENT SECTION - WIDENED INSIDE SHOULDER
19	21+99.40	22+29.40	SOUTH ACCESS RD	CL	105.0	105.0	FULL DEPTH PAVEMENT SECTION - SHOULDER WIDTH TRANSITION
19	22+29.40	23+00.00	SOUTH ACCESS RD	CL	235.4	235.3	FULL DEPTH PAVEMENT SECTION
				SUB-TOTAL	4,227.5	4,227.3	
				TOTAL	4,228	4,227.3	

GUARDRAIL AND FENCE

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MGS GUARDRAIL 8 FT. POSTS, 6 FT.-3 IN. SPACING (LF)	TYPE A CRSHW'RTHY END TERMINAL (MASH) (EA)	REMARKS
17	13+75.98	15+24.02	SOUTH ACCESS RD	RT	52.0	2	
				SUB-TOTAL	52.0	2	
				TOTAL	52	2	

MOBILIZATION

TOTAL = 1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING

TOTAL = 1 EACH

CONTRACTOR FURNISHED SURVEYING AND STAKING

TOTAL = 1 LUMP SUM

REMOVAL OF IMPROVEMENTS

TOTAL = 1 LUMP SUM

ALTERNATE A BID

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043 (314) 344-1500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

QUANTITIES
SHEET 15 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EROSION CONTROL

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	ROCK LINING (CY)	FURNISHING TYPE 1 ROCK BLANKET (CY)	PLACING TYPE 1 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	TOPSOIL (CY)	MISC. {SEEDING} (AC)	TYPE 1D EROSION CONTROL BLANKET (SY)	ROCK DITCH CHECK (LF)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	REMARKS
17-18	11+20.00	13+74.25	SOUTH ACCESS RD	RT					16.4	0.02	98				
17-20	11+20.00	23+00.00	SOUTH ACCESS RD	LT					657.5	0.82	3,945				
17-20	11+20.00	23+00.00	SOUTH ACCESS RD	RT									1,334	13.3	
17-20	11+20.00	23+00.00	SOUTH ACCESS RD	LT									1,035	10.4	
17-19	11+20.00	18+75.00	SOUTH ACCESS RD	LT								24		0.2	
18	13+74.04	15+27.06	SOUTH ACCESS RD	RT		108.6	108.6								
18-20	15+27.06	23+00.00	SOUTH ACCESS RD	RT					368.0	0.46	2,208				
19	17+50.01	19+20.00	SOUTH ACCESS RD	RT		85.4	85.4								
19	18+76.62	19+22.43	SOUTH ACCESS RD	LT									50	0.5	
19	18+92.69	19+06.75	SOUTH ACCESS RD	RT									48	0.5	
19	19+00.00	----	SOUTH ACCESS RD	LT	1.9			5.8							FES 200-2 (4'W X 12' L X 1'D)
19	19+00.00	----	SOUTH ACCESS RD	RT	5.8			17.5							FES 200-1 (4'W X 12' L X 1'D)
19-20	19+24.17	21+12.48	SOUTH ACCESS RD	LT								18		0.2	
19-20	19+72.62	21+25.16	SOUTH ACCESS RD	RT								18		0.2	
20	21+12.48	21+50.12	SOUTH ACCESS RD	LT									38	0.4	
20	21+30.00	----	SOUTH ACCESS RD	LT	1.9			5.8							FES 201-2 (4'W X 12' L X 1'D)
20	21+39.77	21+57.15	SOUTH ACCESS RD	RT									49	0.5	
20	21+49.90	23+00.00	SOUTH ACCESS RD	LT								9		0.1	
20	21+50.00	----	SOUTH ACCESS RD	RT	5.8			17.5							FES 201-1 (4'W X 12' L X 1'D)
20	21+61.59	23+00.00	SOUTH ACCESS RD	RT								9		0.1	
			SUB-TOTAL 1		**15.4**	**194.0**	**194.0**	**46.6**	**1,041.9**	**1.30**	**6,251**	**78**	**2,554**	**26.4**	
			TOTALS		**15**	**194**	**194**	**47**	**1,042**	**1.3**	**6,251**	**78**	**2,554**	**26**	

DRAINAGE

UTILITY SHEET	CULVERT SECTION SHEET	ROADWAY	FROM STRUCTURE	TO STRUCTURE	CLASS 3 EXCAVATION (CUYD)	36 IN. PIPE GROUP A (LF)	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	REMARKS
18	7	SOUTH ACCESS RD	FES 200-1	FES 200-2	49.5	70	2	SMOOTH INTERIOR WALL
19	7	SOUTH ACCESS RD	FES 201-1	FES 201-2	64.9	82	2	SMOOTH INTERIOR WALL
				SUB-TOTAL 1	**114.4**	**152**	**4**	
* STORM SYSTEMS 3, 11 AND 14 ARE REMOVED FROM PROJECT				**TOTAL**	**115**	**152**	**4**	

PAVEMENT MARKING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	WATERBORNE PAVEMENT MARKING PAINT				REMARKS
					4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS		4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS		
					(SOL) (LF)	(INT) (LF)	(SOL) (LF)	(INT) (LF)	
16-18	11+20.00	23+00.00	SOUTH ACCESS RD.	RT	1,180				
16-18	11+20.00	23+00.00	SOUTH ACCESS RD.	LT	1,180				
16-18	11+20.00	23+00.00	SOUTH ACCESS RD.	CL			2,360		
				TOTAL	**2,360**		**2,360**		

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

QUANTITIES
SHEET 16 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

ALTERNATE A BID

SIGN	SIZE (IN)	AREA (SF)	QTY (EACH)	TOTAL AREA (SF)	QTY RELOC (EACH)	TOTAL RELOC (SF)	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48 x 48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48 x 48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48 x 48	16.00	3	48.00			1	CURVE (SYMBOL LEFT ARROW)
WO1-2R	48 x 48	16.00	3	48.00			2	CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48 x 48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48 x 48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48 x 48	16.00	2	32.00			3	REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48 x 48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48 x 48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48 x 48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48 x 48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48 x 48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60 x 30	12.00						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72 x 36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60 x 30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72 x 36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18 x 24	3.00						CHEVRON (SYMBOL)
WO1-8a	30 x 36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48 x 48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48 x 48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48 x 48	16.00	2	32.00			4	SIGNAL AHEAD (SYMBOL)
WO3-4	48 x 48	16.00						BE PREPARED TO STOP
WO3-5	48 x 48	16.00						SPEED LIMIT AHEAD
WO4-1L	48 x 48	16.00	2	32.00			5	MERGE (SYMBOL FROM LEFT)
WO4-1R	48 x 48	16.00	1	16.00			6	MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48 x 48	16.00						MERGE (ARROW SYMBOL)
WO4-1aR	48 x 48	16.00						MERGE (ARROW SYMBOL)
WO5-1	48 x 48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48 x 48	16.00						ONE LANE BRIDGE
WO5-5	48 x 48	16.00	2	32.00			7	NARROW LANES
WO6-1	48 x 48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48 x 48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48 x 48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30 x 24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48 x 48	16.00						BUMP
WO8-2	48 x 48	16.00						DIP
WO8-3	48 x 48	16.00						PAVEMENT ENDS
WO8-4	48 x 48	16.00						SOFT SHOULDER
WO8-5	48 x 48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48 x 48	16.00						TRUCK CROSSING (WITH FLAGS)
WO8-6c	48 x 48	16.00						TRUCK ENTRANCE
WO8-7	36 x 36	9.00						LOOSE GRAVEL
WO8-7a	36 x 36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48 x 48	16.00						LOW SHOULDER
WO8-11	48 x 48	16.00						UNEVEN LANES
WO8-12	48 x 48	16.00						NO CENTER LINE
WO8-15	48 x 48	16.00						GROOVED PAVEMENT
WO8-15P	30 x 24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48 x 48	16.00						SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30 x 24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42 RND.	9.62						RAILROAD CROSSING
WO12-1	24 x 24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48 x 48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2X	24 x 18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84 x 24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120 x 60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12- 5	120 x 60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30 x 30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30 x 24	5.00						XXX FEET (PLAQUE)
WO16-3	30 x 24	5.00						X MILE (PLAQUE)
WO20-1	48 x 48	16.00	11	176.00			8	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48 x 48	16.00	3	48.00			9	DETOUR AHEAD
WO20-3	48 x 48	16.00	11	176.00			10	ROAD/BRIDGE/RAMP CLOSED AHEAD
WO20-4	48 x 48	16.00	2	32.00			11	ONE LANE ROAD AHEAD
WO20- 5	48 x 48	16.00	5	80.00			12	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48 x 48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48 x 48	16.00	2	32.00			13	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48 x 48	16.00						FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36 x 36	9.00						FRESH OIL
WO21-5	48 x 48	16.00						SHOULDER WORK AHEAD
WO22-1	48 x 48	16.00						BLASTING ZONE AHEAD
WO22-2	42 x 36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42 x 36	10.50						END BLASTING ZONE
GO22-1	21 x 15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE (IN)	AREA (SF)	QTY (EACH)	TOTAL AREA (SF)	QTY RELOC (EACH)	TOTAL RELOC (SF)	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E0S-1	36 x 48	12.00						GORE EXIT
E0S-2	48 x 36	12.00						EXIT OPEN
E0S-2a	48 x 36	12.00						EXIT CLOSED
GO20-1	60 x 24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48 x 24	8.00	4	32.00			14	END ROAD WORK
GO20-4	36 x 18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42 x 30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18 x 12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36 x 24	6.00	4	24.00			15	WORK ZONE (PLAQUE)
MO4-8a	24 x 18	3.00	2	6.00			16	END DETOUR
MO4-9L	24 X 18	3.00	2	6.00			17	DETOUR (LEFT ARROW)
MO4-9R	24 X 18	3.00	4	12.00			18	DETOUR (RIGHT ARROW)
MO4-9P	48 x 12	4.00						STREET NAME (PLAQUE)
MO4-10L	48 x 18	6.00	2	12.00				DETOUR (ARROW LEFT)
MO4-10R	48 x 18	6.00	2	12.00			19	DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48 x 48	13.25						STOP
R1-2	48 TRI.	6.93						YIELD
R1-2a	36 x 36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30 x 12	2.50						ALL WAY (PLAQUE)
R2-1	36 x 48	12.00	6	72.00			20	SPEED LIMIT XX (SEE NOTE 7)
R3-1	48 x 48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48 x 48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36 x 36	9.00						NO TURNS
R3-4	48 x 48	16.00						NO U-TURN (SYMBOL)
R3-7L	30 x 30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30 x 30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36 x 48	12.00						DO NOT PASS (SEE NOTE 7)
R4-2	36 x 48	12.00						PASS WITH CARE
R4-8a	36 x 48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7b	36 x 48	12.00	2	24.00			21	KEEP LEFT (HORIZONTAL ARROW)
R5-1	30 x 30	6.25	1	6.25			22	DO NOT ENTER
R5-1a	36 x 24	6.00						WRONG WAY
R6-1L	54 x 18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54 x 18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24 x 30	5.00						ONE WAY (LEFT)
R6-2R	24 x 30	5.00						ONE WAY (RIGHT)
R9-9	24 x 12	2.00						SIDEWALK CLOSED
R9-11L	24 x 18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24 x 18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24 x 36	6.00	2	12.00			23	STOP HERE ON RED (45- ARROW)
R11-2	48 x 30	10.00	9	90.00			24	ROAD CLOSED
R11-3a	60 x 30	12.50	2	25.00			25	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11 - 4	60 x 30	12.50	2	25.00				ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60 x 48	20.00						FINE SIGN (SEE NOTE 7)
CONST-3X	56 x 12	4.67	6	28.02				SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48 x 36	12.00						POINT OF PRESENCE
CONST-5	96 x 48	32.00						POINT OF PRESENCE
CONST-7	48 x 24	8.00						RATE OUR WORK ZONE
CONST-7	72 x 36	18.00						RATE OUR WORK ZONE
CONST-8	48 x 36	12.00						WORK ZONE NO PHONE ZONE
GO25-1	48 x 24	8.00						SLOW VEHICLES
GO22-3	48 x 24	8.00						WET PAINT KEEP RIGHT
M5-1L	21 X 15	2.19	3	6.57			26	ADVANCE LEFT TURN ARROW
M5-1R	21 X 15	2.19	1	2.19			27	ADVANCE RIGHT TURN ARROW
M1-4	24 X 24	4.00	2	8.00			28	US NUMBER ROUTE SHEILD
--	24 X 12	2.00	4	8.00			29	VFW DR
R9-10	24 x 18	3.00						SIDEWALK CLOSED, USE OTHER SIDE
MO4-8a	12 x 24	2.00	1	2.00			30	DETOUR
6161005	**CONSTRUCTION SIGNS**			**1,197**		**----**		
6161010	**RELOCATED SIGNS**					**0**		

NOTES:
1. TEMPORARY TRAFFIC CONTROL SHOULD FOLLOW MODOT/MUTCD STANDARDS.
2. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS OR DEVICES.
3. NO DIRECT PAYMENT WILL BE MADE TO COVER/UNCOVER EXISTING SIGNS OR TCP SIGNS.
4. CMS LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. SIGN AND DEVICE LOCATIONS WILL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER
6. AWRS IS ONLY TO BE USED ON THE FIRST ROAD WORK AHEAD SIGN IN EACH DIRECTION.
7. CONST-3X IS TO BE USED ABOVE ALL R2-1 AND R4-1 DURING CONSTRUCTION.
8. NO DIRECT PAYMENT FOR RELOCATION OF TEMPORARY TRAFFIC SIGNALS AND LIGHTING

** NOT INCLUDED IN LUMP SUM FOR TEMPORARY TRAFFIC CONTROL

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	6	ADVANCED WARNING RAIL SYSTEM (AWRS)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	226	CHANNELIZER (TRIM LINE)
6161030	55	TYPE III MOVEABLE BARRICADE
6161033	30	DIRECTION INDICATOR BARRICADE
6161040	4	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099	10	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6169903		TYPE F TEMPORARY CONCRETE TRAFFIC BARRIER (LF)
6173600D	388	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A	2	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	662	RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6191000	1,665	PAVEMENT EDGE TREATMENT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400	2	TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASE BID

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

QUANTITIES
SHEET 17 OF 17

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

GENERAL NOTES:

1. ALL ROAD CONSTRUCTION TO BE IN ACCORDANCE WITH MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2023 EDITION

2. PROPERTY LINES, EASEMENTS, AND TOPOGRAPHIC SURVEY BY PRAIRIE ENGINEERS, P.C.

3. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THEY HAVE THE LATEST SET OF IMPROVEMENT PLANS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING ALL PERMIT PLAN SETS AND ANY SUBSEQUENT PLAN ISSUANCES.

4. ALL WORK MUST BE PERFORMED WITHIN EXISTING OR ACQUIRED EASEMENTS. AGENCY APPROVAL OF THESE PLANS DOES NOT AUTHORIZE OR CONDONE WORK OUTSIDE OF THE EASEMENTS. CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND PART OF THE CONSTRUCTION OF THIS PROJECT.

5. COMPACT TOP 12" OF SUBGRADE AND EACH LAYER OF BACKFILL OR BACKFILL MATERIAL AT 90% MODIFIED PROCTOR (A.S.T.M. D1557) MAXIMUM DENSITY FOR COHESIVE MATERIAL OR 70% RELATIVE DENSITY (A.S.T.M. D4253 AND A.S.T.M. D4254) FOR COHESIVE MATERIAL.

6. REMOVE ALL WASTE MATERIALS, INCLUDING EXCAVATED MATERIAL, CONCRETE STORM SEWER, TRASH AND DEBRIS, AND DISPOSE OF IT OFF OWNERS PROPERTY. ANY STAGING OR STORAGE OF MATERIALS OFF PUBLIC RIGHT-OF-WAY SHALL BE APPROVED BY JEFFERSON COUNTY.

7. CONTRACTOR SHALL REMOVE, STORE, & REINSTATE AT THE COMPLETION OF CONSTRUCTION ALL MAILBOXES, FENCES, AND SIGNS AFFECTED BY CONSTRUCTION AND SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. ANY DISTURBED OFF SITE PROPERTY (I.E. BUSHES, TREES, FENCES, MAILBOXES, ETC.) SHALL BE REPLACED IN-KIND, AT THE CONTRACTOR'S EXPENSE. COUNTY SHALL PROVIDE TEMPORARY MAIL SERVICE FACILITIES FOR ALL RESIDENTS.

8. THE CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL FEATURES IN ACCORDANCE WITH ANY LOCAL, STATE, AND FEDERAL REGULATIONS AND OBTAIN ANY NECESSARY PERMITS FOR LAND DISTURBANCE, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE COUNTY DIRECTOR OF PUBLIC WORKS FOR REVIEW PRIOR TO THE START OF CONSTRUCTION. EROSION CONTROL FEATURES SHALL BE ADEQUATE TO STOP ERODED MATERIAL FROM LEAVING THE SITE. SILTATION CONTROL DEVICES SHALL BE MAINTAINED BE THE CONTRACTOR DURING GRADING OPERATIONS AND UNTIL SUFFICIENT VEGETATION IS ESTABLISHED TO PREVENT EROSION. TEMPORARY SILTATION DEVICES SHALL BE REMOVED UPON COMPLETION OF RE-VEGETATION.

9. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS WERE COMPILED FROM THE BEST AVAILABLE RECORDS. UTILITY BURIED DEPTHS HAVE NOT BEEN POTHOLDED OR OTHERWISE VERIFIED AND SHALL BE CONSIDERED APPROXIMATE ON ALL PROFILES OR SECTIONS. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO ESTABLISH EXACT LOCATIONS, DEPTHS, AND POSSIBLE RELOCATION OF THE MAINS PRIOR TO CONSTRUCTION AND SHALL FULLY COMPLY WITH THE PROVISIONS OF THE UNDERGROUND FACILITY SAFETY AND DAMAGE PROVISIONS ACT, CHAPTER 319 RsMO. ALL UTILITIES, EITHER SHOWN OR NOT SHOWN, IN DIRECT CONFLICT WITH THIS CONSTRUCTION SHALL BE RELOCATED BY OTHERS (RESPECTIVE UTILITY COMPANY). CONTRACTOR SHALL COORDINATE THE WORK WITH EACH UTILITY COMPANY AFFECTED.

10. THE CONTRACTOR SHALL KEEP ALL PAVEMENTS CLEAN AND FREE OF MUD, ROCK, AND DEBRIS AT ALL TIMES DURING CONSTRUCTION.

11. THE CONTRACTOR SHALL NOTIFY EACH AFFECTED PROPERTY OWNER A MINIMUM OF 24 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.

12. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ON AIRPORT ROAD, TWO WAY TRAFFIC THROUGH AREAS OF IMMEDIATE CONSTRUCTION (SEE PLANS AND SPECS FOR TRAFFIC CONTROL, BARRICADES AND SIGNAGE). CONTRACTOR SHALL REMOVE, STORE, AND REINSTALL AT THE COMPLETION OF CONSTRUCTION, ALL SIGNS WITHIN THE CONSTRUCTION LIMITS. CONTRACTOR SHALL REPLACE ALL SIGNS DAMAGED BY CONSTRUCTION.

13. CONTRACTOR TO PROVIDE COMPACTED GRANULAR BACKFILL TO THE SUBGRADE OF THE PAVEMENT FOR ALL TRENCHES UNDER PAVEMENT. ALL OTHER TRENCHES WITHIN RIGHT-OF-WAY SHALL BE BACKFILLED WITH COMPACTED GRANULAR BACKFILL TO WITHIN TWO(2') FEET OF FINISHED GRADE. TOP TWO(2') FEET OF THE TRENCH SHALL BE BACKFILLED WITH COMPACTED EARTHFILL. ALL OTHER TRENCHES OUTSIDE OF RIGHT-OF-WAY SHALL BE BACKFILLED WITH COMPACTED EARTHFILL, UNLESS OTHERWISE SHOWN ON PLANS.

14. CONTRACTOR SHALL ADJUST TO GRADE ALL WATER METER VAULTS, STOP BOX LIDS, METER LIDS, AND WATER VALVE BOXES.

15. PROVIDE ADEQUATE OFF-STREET PARKING FOR CONSTRUCTION EMPLOYEES. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.

16. INTERIM STORM SEWER WATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES IS REQUIRED.

17. STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.

18. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.

19. CONTRACTOR SHALL SEED ANY NON-PAVED AREAS DISTURBED BY CONSTRUCTION.

20. CONTRACTOR MUST MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION. EXISTING COMMERCIAL ENTRANCES MAY HAVE ACCESS RESTRICTED TO ½ OF THE ENTRANCE AT A TIME, UNLESS OTHERWISE APPROVED IN THIS PLAN SET. IF TEMPORARY CLOSURES OF DRIVEWAYS ARE REQUIRED, 24 HOURS NOTICE SHALL BE PROVIDED TO THE COUNTY.

21. ANY FILL REQUIRED SHALL BE CLEAN AND FREE OF ANY DEBRIS OR CONSTRUCTION MATERIAL.

22. CARE SHALL BE TAKEN TO AVOID DISTURBING ANY PROPERTY MARKERS ENCOUNTERED DURING CONSTRUCTION. ANY PROPERTY MARKERS REMOVED TO ALLOW FOR GRADING, SHALL BE REPLACED. NO DIRECT PAY FOR THIS WORK.

23. CONTRACTOR SHALL NOT STORE CONSTRUCTION MATERIAL ON ANY PROPERTY WITHOUT PRIOR WRITTEN CONSENT FROM PROPERTY OWNER.

LEGEND

EXISTING ROADWAY EASEMENT	
EXISTING RIGHT-OF-WAY	
SAWCUT LINE	
PROPOSED RIGHT-OF-WAY	
PROPERTY LINE	
FENCE	X
EXISTING CABLE TV LINE	UTV
PROPOSED POWER/CABLE TV LINE	UTV
TELEPHONE LINE	UT
OVERHEAD POWER LINE	OE
UNDERGROUND POWER LINE	UE
PROPOSED UNDERGROUND POWER LINE	UE
FIBER LINE	FO
GAS LINE	G
WATERMAIN	W
EXIST. GUARDRAIL	
GATE VALVE WITH VALVE BOX.	
FIRE HYDRANT ASSEMBLY	
MJ PLUG WITH THRUST BLOCK	
EXIST. VEGITATION	
EXIST. SANITARY SEWER MANHOLE	SAN
EXIST. STORM SEWER MANHOLE	STORM
ELECTRICAL MANHOLE	ELEC MH
ELECTRICAL METER	EM
TELEPHONE MANHOLE	TMH
GAS DISCONNECT	GD
TELEPHONE AND CABLE	T&C
FIRE HYDRANT	HYD
SPRINKLER HEAD	
WATER SPIGOT	
IRRIGATION CONTROL VALVE	ICV
WATER VALVE	WV
WATER METER	WM
GAS VALVE	GV
GAS METER	GM
POWER SUPPLY	MODOT
EXISTING POWER POLE	PP
POWER POLE	
TELEPHONE POLE	TELE POLE
GUY WIRE	
GUY WIRE	GUY
POWER AND LIGHT	PAL
TELEPHONE PEDESTAL	PED
MAILBOX	
PROPOSED ℄ ROAD	
SIGN	
TRAFFIC MOVEMENT	
ADJUST TO GRADE	(ATG)
TO BE REMOVED	(R)
TO BE REMOVED AND REPLACED	(R&R)
TO BE RELOCATED	(RELOC.)
USE IN PLACE	(UIP)
DO NOT DISTURB	(DND)
TO BE ABANDONED	(TBA)
TO BE ABANDONED AND FILLED	(TBA&F)
TO BE REMOVED BY OTHERS	(TBRBO)
TO BE REMOVED AND REPLACED BY OTHERS	(TBR&RBO)
REMOVED BY OTHERS	(RBO)
REMOVED AND RELOCATED	(R&RELOC.)
TYPICAL	(TYP.)
CURB AND GUTTER	(C&G)
SLOPE LIMITS	SLC/SLF
EXISTING HOUSE	H
EXISTING BUILDING	B
PERMANENT SIDEWALK AND UTILITY EASEMENT	P.S.U.E.
PERMANENT UTILITY EASEMENT	P.U.E.
TEMPORARY CONSTRUCTION EASEMENT	T.C.E.
CONCRETE	CONC.
PROFILE GRADE LINE	PGL
AGGREGATE	AGG
ASPHALT	ASPH

TREE PROTECTION:

1. Clearing limits shall be rough staked or marked by the contractor's surveyor in order to facilitate location for trenching and fencing installation.
2. No clearing or grading shall begin in areas where tree treatment, preservation, and protection measures have not yet been completed.
3. Contractor shall provide an early maintenance schedule (i.e., pruning, injection fertilizing, etc.).
4. Contractor shall provide the name of tree specialist and company.
5. See JSP for additional requirements.

SHADING AND PATTERN LEGEND

- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- SEEDING OR SODDING
- WETLANDS
- BASE BID PAVEMENT
- ALTERNATIVE A BID PAVEMENT
- RAILROAD CROSSING SURFACE (BY OTHERS)

✱ SHADING AND PATTERHN LEGEND ADAPTED FOR ALL SHEETS UNLESS OTHERWISE CALLED OUT

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

UTILITY LEGEND

UT	AT&T DISTRIBUTION
UTV	CHARTER
FO	LUMEN
G	SPIRE GAS
OE	OVERHEAD ELECTRIC
UE	UNDERGROUND ELECTRIC
W	WATER

GENERAL DISCLAIMER

CRAWFORD, MURPHY & TILLY, INC. (CMT) AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN SET AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. CMT HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY DISCLAIMER

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMO.

STATE OF MISSOURI · PROFESSIONAL ENGINEER
TODD EHLEN
NUMBER PE-2006019649
10/21/2024

DATE PREPARED: 9/30/2024
STATE: MO | SHEET NO.: 4
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

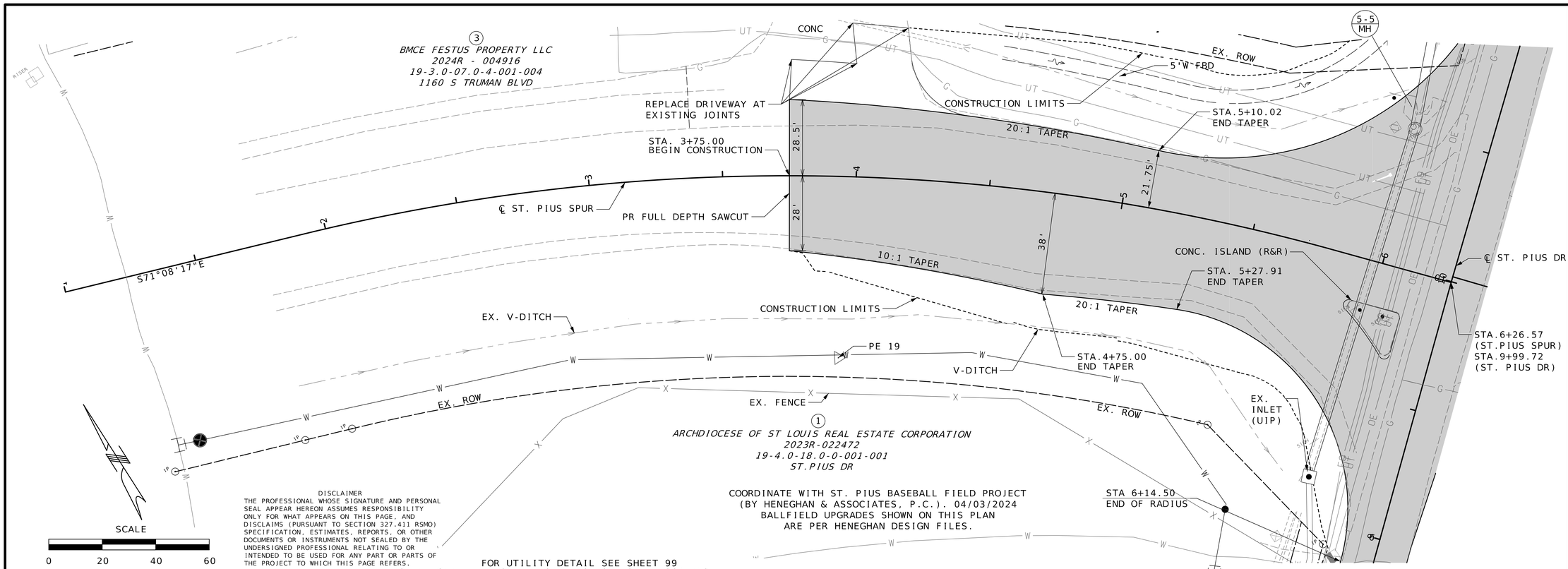
CMT
CRAWFORD, MURPHY & TILLY, INC.
SUNCREST CORPORATE DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63017 (314) 392-5100
ENGINEERING CORPORATION - 000631

© Copyright CMT Inc

GENERAL NOTES

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.



TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	5

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

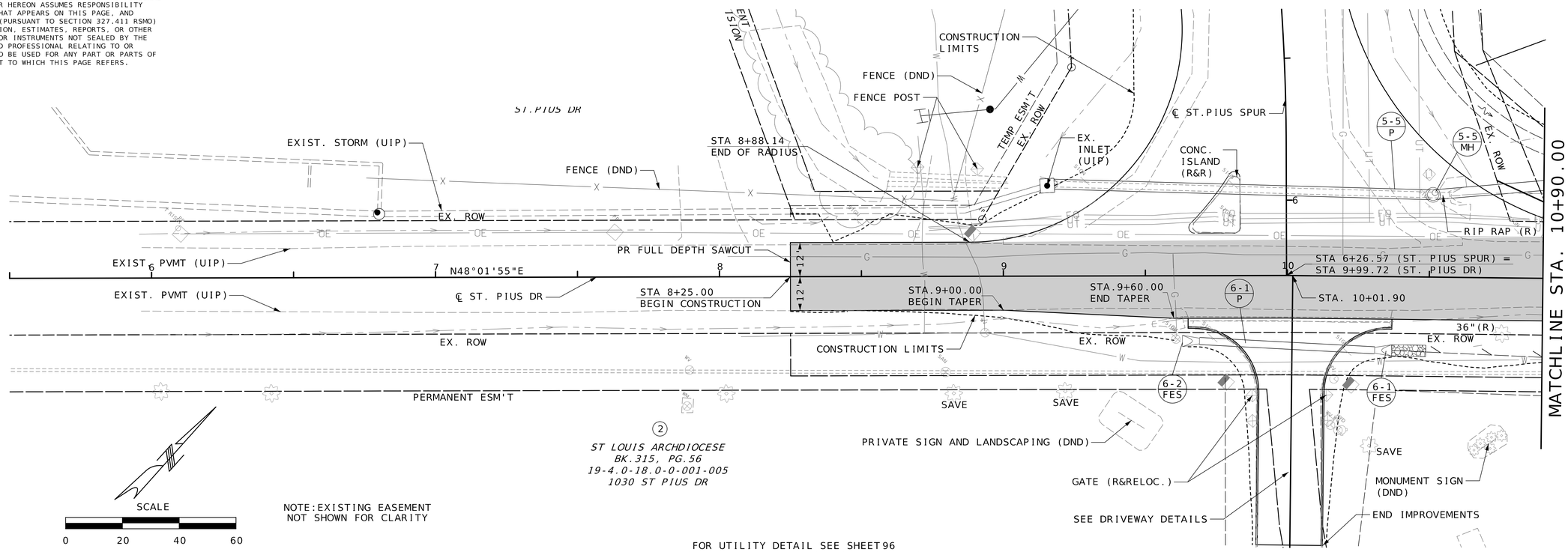
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

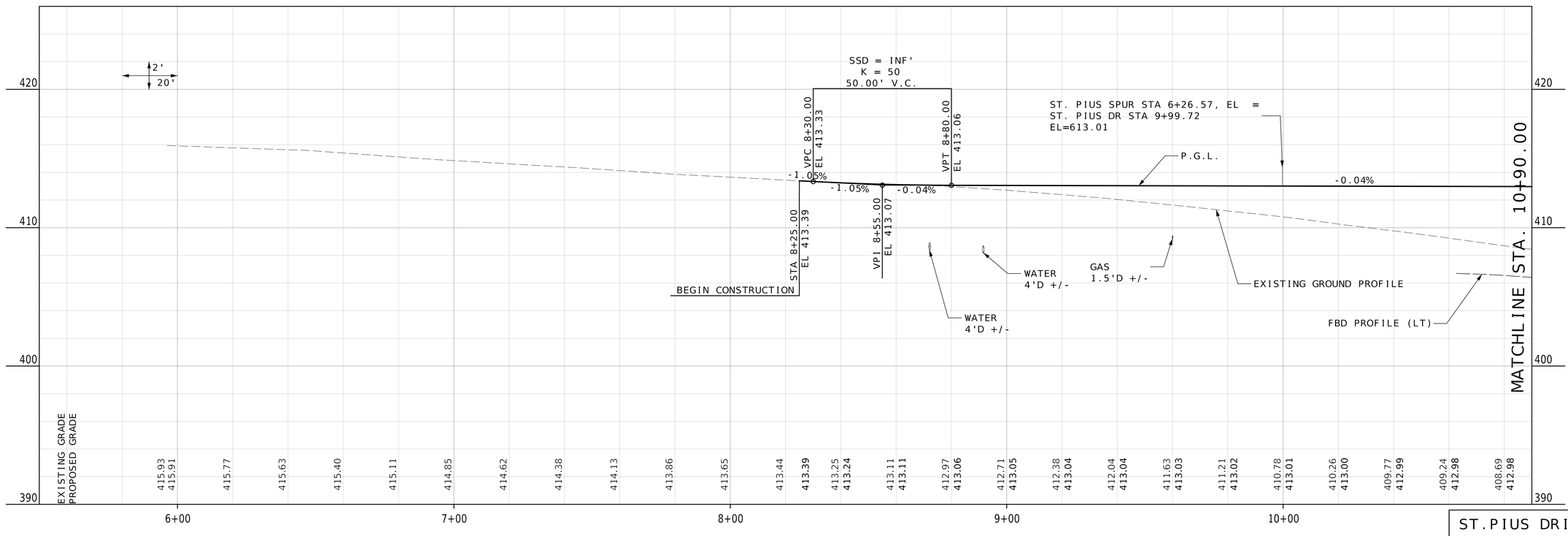
PLAN AND PROFILE
SHEET 1 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



FOR UTILITY DETAIL SEE SHEET96
FOR DRIVEWAY DETAIL SEE SHEETS172-184
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 6

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

PLAN AND PROFILE
SHEET 2 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

A 8' ASPHALT WEDGE

3 BMCE FESTUS PROPERTY LLC
2024R - 004916
19-3.0-07.0-4-001-004
1160 S TRUMAN BLVD

4 ST LOUIS CONCRETE LLC
2024R-017501
19-3.0-07.0-4-001-008
1019 ST PIUS DR

2 ST LOUIS ARCHDIOCESE
BK.315, PG.56
19-4.0-18.0-0-001-005
1030 ST PIUS DR

9 MISSOURI PACIFIC RAILROAD (100'W R.O.W.)

MISSOURI NATURAL GAS CO. (SPIRE MISSOURI INC.)
BK. 0255, PG.00502
19-3.0-07.0-4-001-004.01
ST.PIUS DR

MATCHLINE STA. 10+90.00

MATCHLINE STA. 16+30.00

EX RETAINING WALL (DND)
FENCE
GATE (R& REPLACE)
GATE POST (R&REPLACE)
EXIST. MAILBOX (R&REL)
SEE DRIVEWAY DETAILS
CONSTRUCTION LIMITS
TEMP ESM'T
ASPH
CONC
5'w FBD
2'w FBD
EX. ROW
NEW ROW
℄ ST. PIUS DR
BM 20
STA.12+09.33
STA. 14+04.07
STA 14+34.12 OFF 26.01'
EX BUILDING (UIP)
EX. FENCE (DND)
EXIST.18" PVC
MAINTAIN ACCESS TO EXISTING GATE. COORDINATE LOCATION IN THE FIELD WITH ENGINEER. ## CY OF TYPE 1 AGGREGATE HAS BEEN INCLUDED.
EXIST. SAN MH
STA 15+31.66 OFF 78.31'
STA 15+19.00 OFF 25.47'
℄ COUNTY ROAD
VERT RR TIE (R)
EXIST.12" PVC
STA 14+73.59
STA 15+28.44
PR CROSSING SURFACE (BY OTHERS)
STA 15+54.01
PR RAILROAD CROSSING ESM'T
PR RAILROAD CROSSING RR TRACKS (DND)
SHED(R)
EX.FENCE(R)
℄ VFW DR
STA.13+64.69 END CURVE WIDENING
STA.12+40.35 BEGIN CURVE WIDENING
BLEACHERS (DND)
BASEBALL FIELD (DND)
FENCE(DND)
GATE POST (R)
EX V DITCH (UIP)
SAVE
EX V-DITCH
RR ROW
FENCE (R)
EX.FENCE (UIP)
STA 15+99.31 BEGIN FENCE REPLACEMENT
NEW FENCE MATCH EX FENCE
STA 16+15.00 (VFW DR)=
STA 10+00.00 (COUNTY RD)
TIE DITCH TO EX. SWALE. SEE UTILITY SHEETS FOR LIMITS OF GRADING.
FOR UTILITY DETAIL SEE SHEET97
FOR DRIVEWAY DETAIL SEE SHEETS172-184
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33

SCALE 0 20 40 60

2' 20'

VPC 11+71.00 EL 412.94
VPI 12+21.00 EL 412.92
VPT 12+71.00 EL 412.10
VPC 14+96.00 EL 408.41
VLP 15+41.57 EL 408.03
VPI 15+46.00 EL 407.59
VPT 15+96.00 EL 408.56
-0.04%
-1.64%
+1.96%
P.G.L.
SSD = 726' K = 63 100.00' V.C.
SSD = 206' K = 28 100.00' V.C.
FBD PROFILE (LT)
FBD PROFILE (RT)
EXISTING GROUND PROFILE
P-5-2 24" CULVERT ELEV. 400.78'
24" CULVERT (R)
P-7-1 15" CULVERT ELEV. 401.77'
WATER 4.5'D +/-
P-4-1 15" CULVERT ELEV. 401.70'
WATER 4.5' D +/-
WATER 4.5' D +/-
SAN. SEWER 6'D +/-
P-1-1 15" CULVERT ELEV. 405.53'
ST. PIUS DRIVE

	11+00	12+00	13+00	14+00	15+00	16+00
EXISTING GRADE	408.21	407.75	407.36	406.99	406.67	406.37
PROPOSED GRADE	412.97	412.96	412.95	412.94	412.93	412.86
	406.07	405.73	405.43	405.19	405.06	405.03
	412.72	412.53	412.27	411.95	411.62	411.29
	405.03	405.15	405.31	405.74	406.16	406.13
	410.96	410.64	410.31	409.98	409.65	409.32
	406.45	406.29	406.78	407.07	407.18	408.08
	409.00	408.67	408.34	408.12	408.03	408.09
	408.30	408.67	408.64	409.45	409.03	

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED 10/21/2024
STATE MO
SHEET NO. 7
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION
DATE

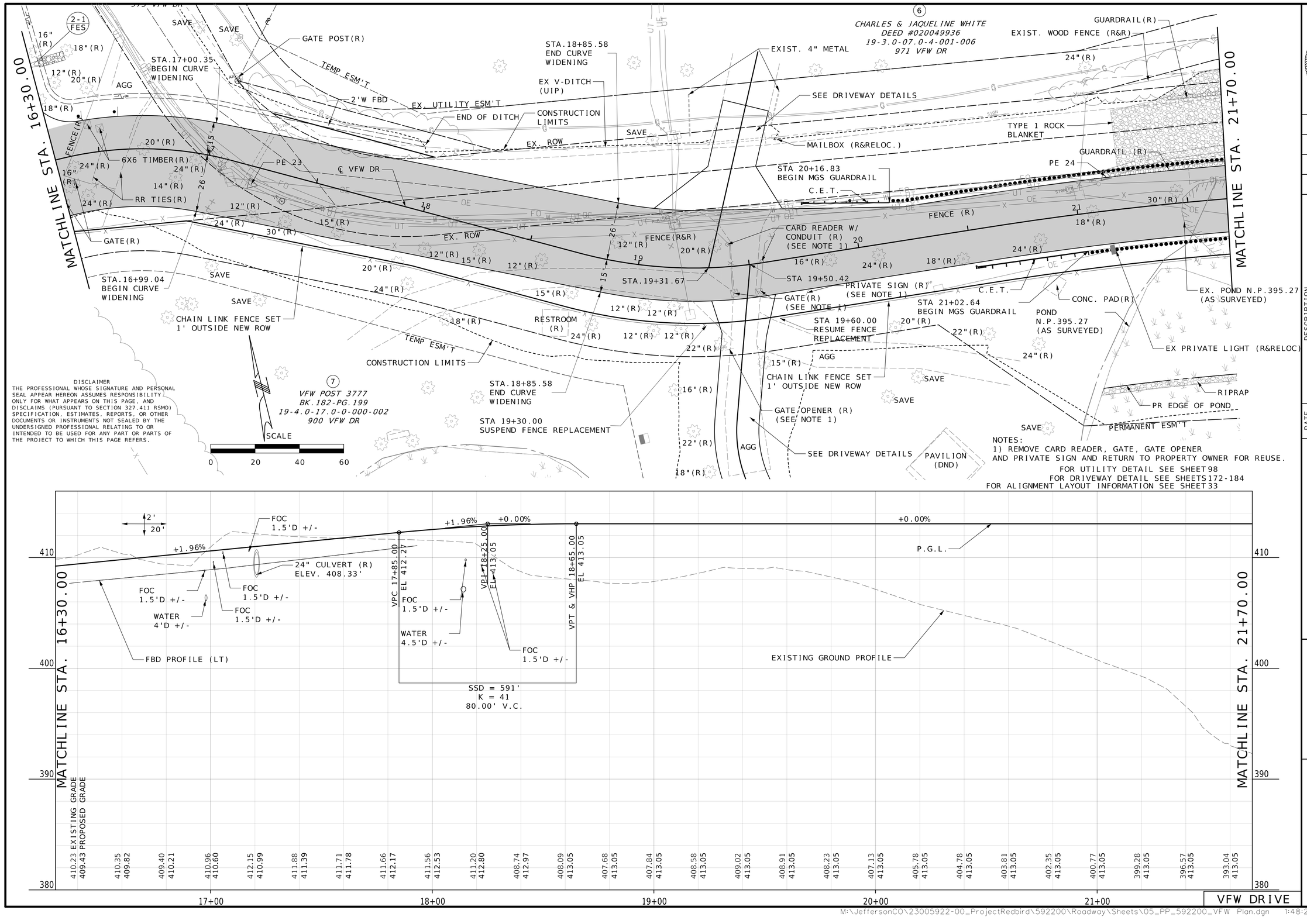
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 3 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	8

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 4 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE
0 20 40 60

6
CHARLES & JAQUELINE WHITE
DEED #020049936
19-3.0-07.0-4-001-006
971 VFW DR

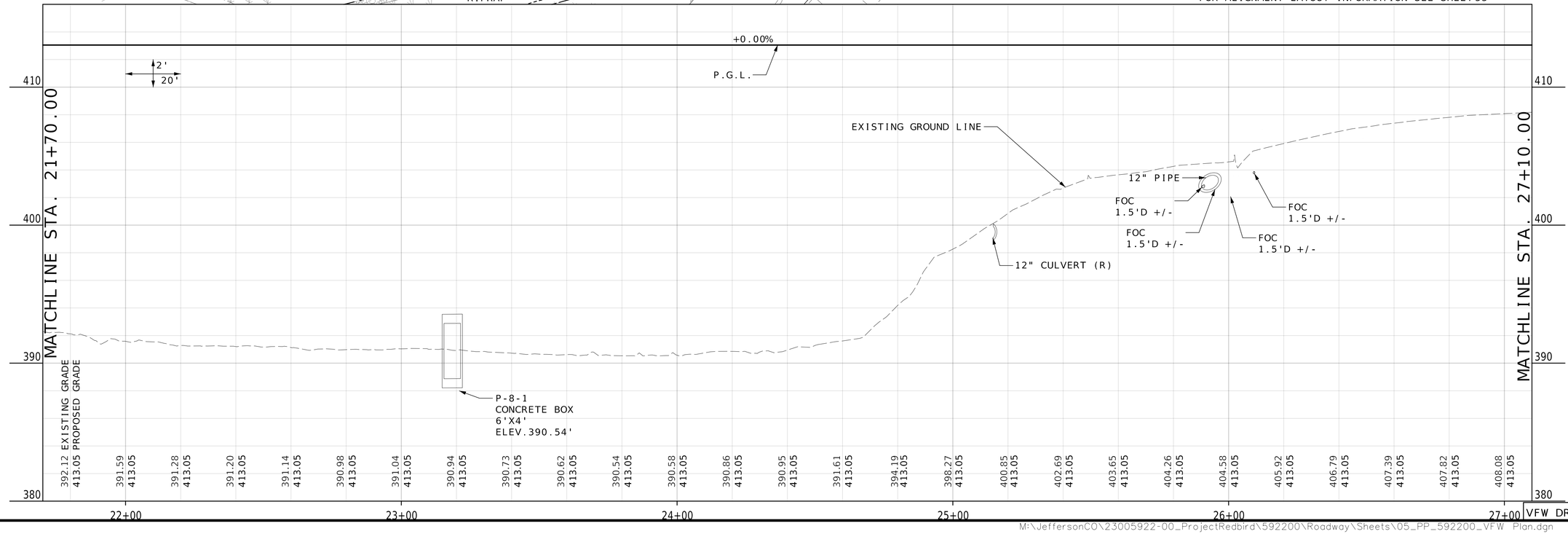
7
VFW POST 3777
900 VFW DR 63028

8
FRED WEBER, INC.
BK. 42, PG.17
19-3.0-08.0-3-001-006
851 VFW DR

EX. UTILITY ESM'T
EX. ROW
TEMP ESM'T
PERMANENT ESM'T
NEW ROW
EXIST WOOD FENCE(R)
TYPE 1 ROCK BLANKET
TREE LINE
GUARDRAIL (R)
HEADWALL (R)
BARBED WIRE FENCE (R)
BARBED WIRE FENCE (R&R)
CONSTRUCTION LIMITS
PE 25
STA.23+68.40 END MGS GUARDRAIL
EXIST. INLET(R)
EXIST. 12"(R)
AGG
INSTALL NEW BOLLARDS
BM 26
POND: N.P.395.27 (AS SURVEYED)
C.E.T.
℄ VFW DR
STA.25+34.00 END TAPER
STA 25+34.21 END NEW FENCE
2'W FBD
STA.24+34.00 BEGIN TAPER
STA.24+34.00 END MGS GUARDRAIL
STA.26+48.84 START NEW FENCE
RIP RAP (R)
FENCE (R)
18" CONCRETE
CONC
ASPH
EXIST. GATE POST(R)
6'X4' BOX CULVERT
CONSTRUCTION LIMITS
PR EDGE OF POND
RIPRAP
RR TIE RETAINING WALL (DND)
EXIST. VFW SIGN (TBR&REL)
V-DITCH
MATCHLINE STA. 21+70.00
MATCHLINE STA. 27+10.00

8-1 HW
8-1 P
8-1 OS
8-2 MH
9-1 P
9-1 FES
9-2 FES

FOR CULVERT SECTIONS SEE SHEET108-CS_Z2
FOR UTILITY DETAIL SEE SHEET99
FOR DRIVEWAY DETAIL SEE SHEETS172-184
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024
STATE MO
SHEET NO. 9
COUNTY
JEFFERSON
JOB NO.
SNS-0025

DESCRIPTION
DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

PLAN AND PROFILE
SHEET 5 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_PP_592200_VFW Plan.dgn 1:48:27 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

MATCHLINE STA. 27+10.00

MATCHLINE STA. 32+50.00

CONSTRUCTION LIMITS

EX. ROW

RIP RAP (R)

STA.27+80.00
END TAPER

TYPE 1 ROCK BLANKET

FLOW LINE

TEMP ESM'T

NEW ROW

SAVE

V-DITCH

PERMANENT ESM'T

FENCE (R)

25.5'

15'

28

10-1
FES

8
FRED WEBER, INC.
BK. 42, PG.17
19-3.0-08.0-3-001-006
851 VFW DR

EX. UTILITY ESM'T

STA 32+22.53 (VFW DR)=
STA 125+50.00 (NORTH ACCESS ROAD)

MAILBOX
(R&R)

BM 32

2'W FBD

PE 28

WOOD POST (R)

STA.30+97.00
END TAPER

ROADSIDE DELINEATOR

GRADE TO DRAIN
OVERLOAD

FENCE (DND)

STA.29+97.00
BEGIN TAPER

℄ VFW DR

END STA 125+50.00

15'

31

STEEL POST (R)

EX. ROW

PERMANENT ESM'T

STA.29+28.80

29

10-1
P

26'

30'

15'

NEW ROW

℄ NORTH
ACCESS RD

2'W FBD

10-2
FES

CONSTRUCTION LIMITS

7
VFW POST 3777
900 VFW DR 63028

14
TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003

MAILBOX
(R&R)

PE 27

STA 29+05.26
END OF FENCE

40"(R)

INSTALL NEW BOLLARDS

SEE DRIVEWAY DETAILS

FENCE (R)

TEMP ESM'T

TIE IN GRADING TO
EXISTING SWALE

SCALE
0 20 40 60

FOR NORTH ACCESS ROAD PLAN & PROFILE SEE SHEET16
FOR INTERSECTION DETAIL SEE SHEET163
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33
FOR UTILITY DETAIL SEE SHEET100
FOR DRIVEWAY DETAIL SEE SHEET172-184
FOR RR DETAIL SEE SHEET

2'
20'

SSD = 492'
K = 42
100.00' V.C.

VPC 29+90.00
EL 413.05

VPT 30+90.00
EL 414.25

VHP 32+13.98
EL 416.64

VPI 32+40.00
EL 417.85

+2.40%

4.95%

P.G.L.

+0.00%

EXISTING GROUND LINE

VLP 29+90.00
EL 413.05

VPI 30+40.00
EL 413.05

VPC 31+65.00
EL 416.05

FBD PROFILE (LT)

FBD PROFILE (RT)

GAS
1.5'D +/-

GAS
1.5'D +/-

P-10-1
24" CULVERT
ELEV. 406.74

FOC
1.5'D +/-

FOC
1.5'D +/-

FOC
1.5'D +/-

SSD = 222'
K = 20
150.00' V.C.

MATCHLINE STA. 27+10.00

MATCHLINE STA. 32+50.00

420
410
400
390

EXISTING GRADE
PROPOSED GRADE

| | | |

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	11

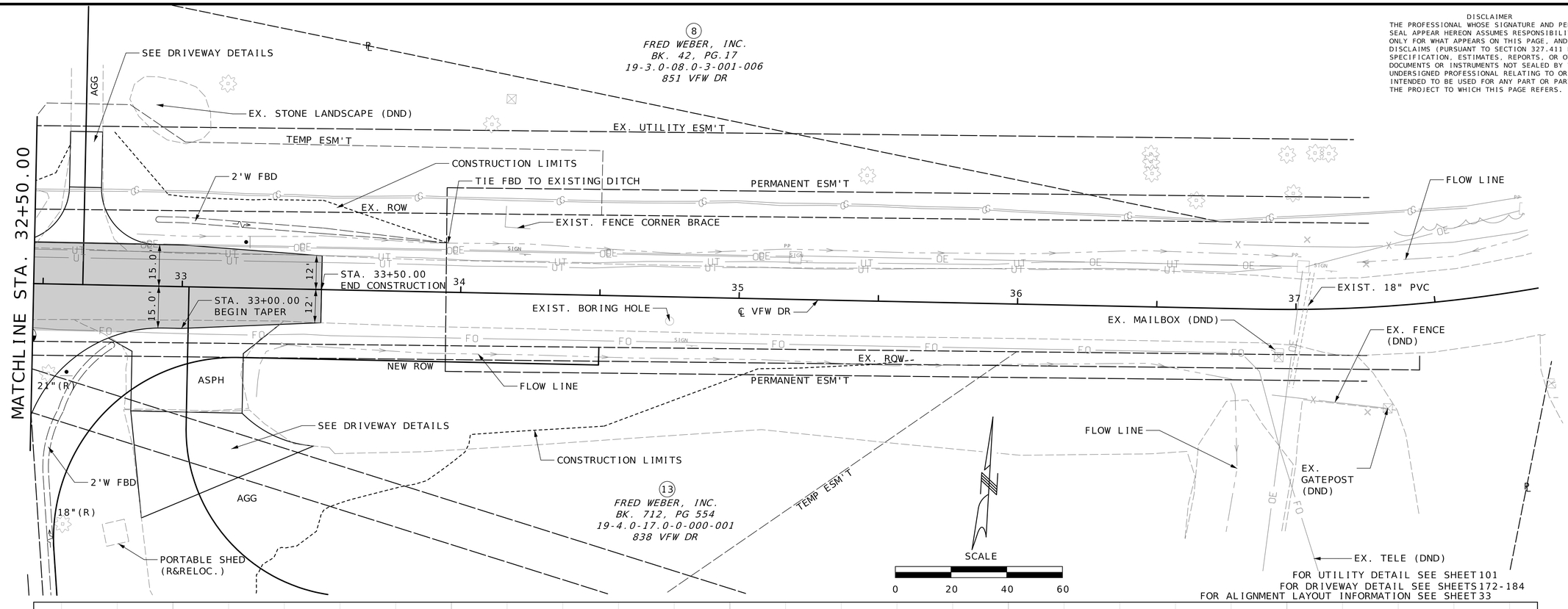
COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

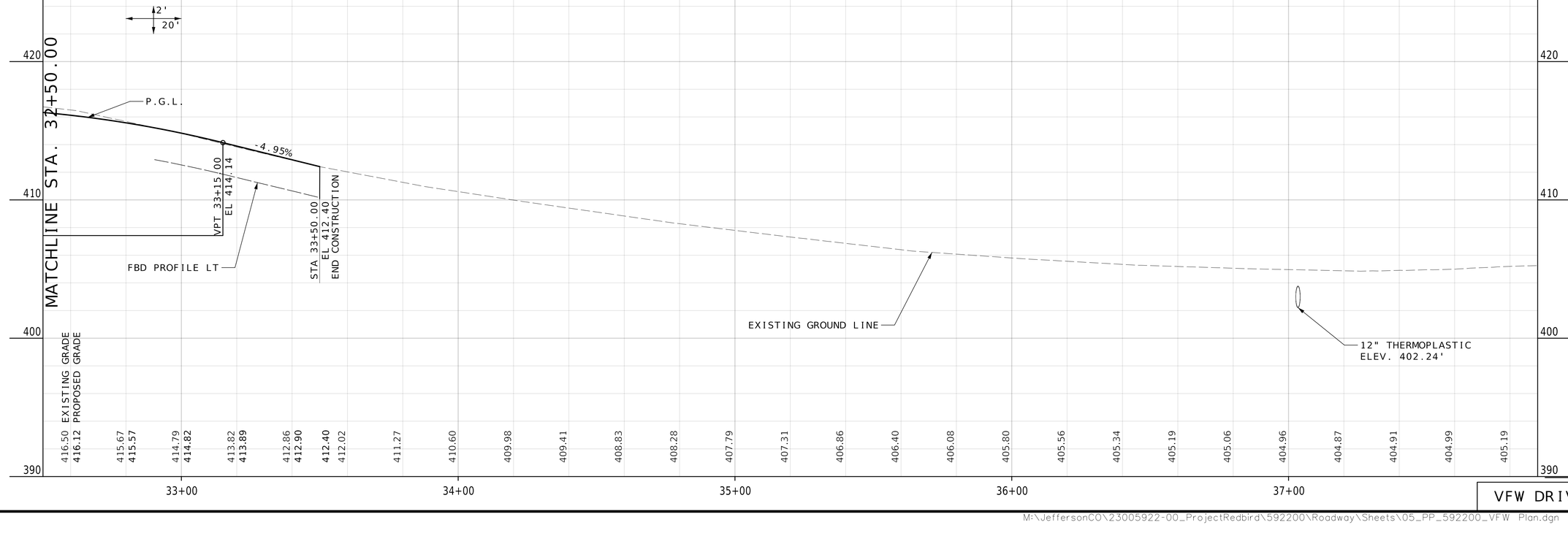
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



8
FRED WEBER, INC.
BK. 42, PG.17
19-3.0-08.0-3-001-006
851 VFW DR

13
FRED WEBER, INC.
BK. 712, PG 554
19-4.0-17.0-0-000-001
838 VFW DR

FOR UTILITY DETAIL SEE SHEET101
FOR DRIVEWAY DETAIL SEE SHEETS172-184
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33



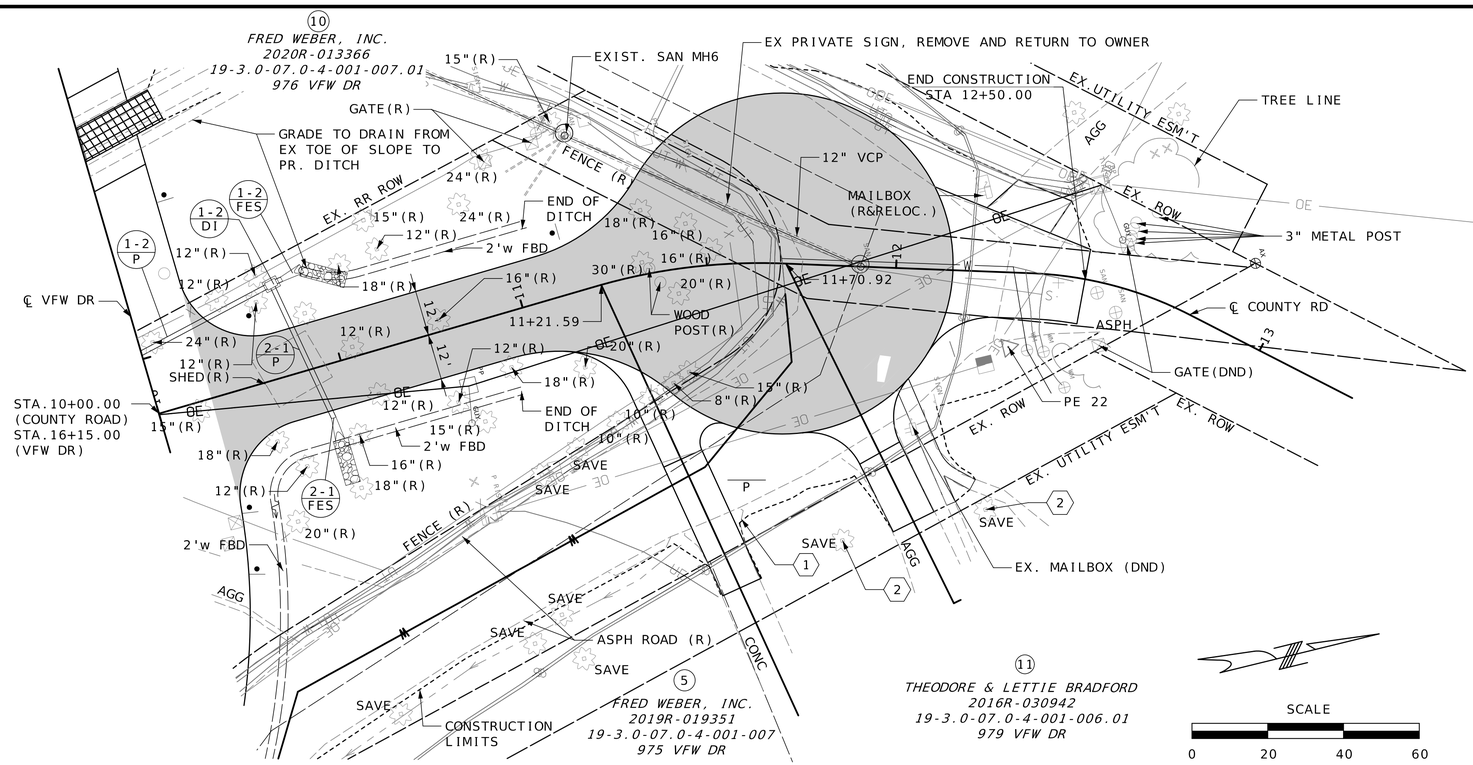
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043-3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

PLAN AND PROFILE
SHEET 7 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



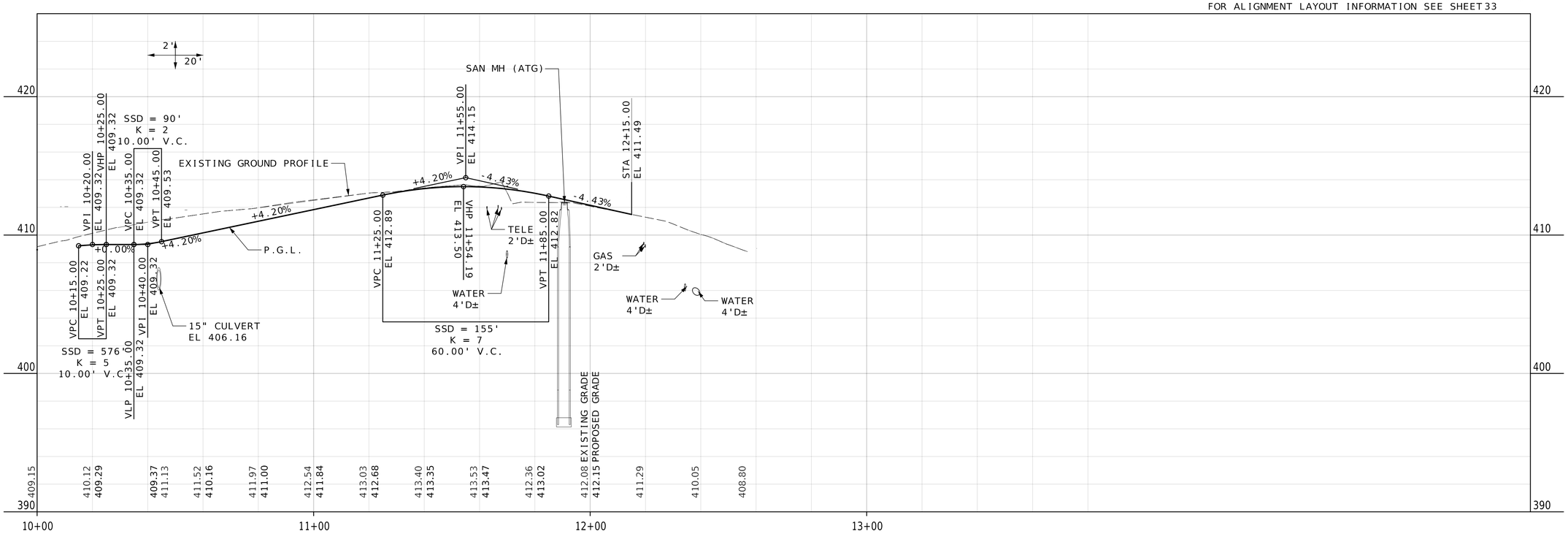
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

1 REMOVE AND REPLACE EXISTING 2" CONDUIT UNDER DRIVEWAY. LOCATION TO BE FIELD DETERMINED. REFER TO TRAFFIC SIGNAL QUANTITY SHEET D-37B FOR PAY ITEM.

2 SEE GENERAL NOTES FOR TREE PROTECTION REQUIREMENTS.

FOR CUL-DE-SAC DETAIL SEE SHEET162
FOR UTILITY DETAIL SEE SHEET102
FOR DRIVEWAY DETAIL SEE SHEETS172-184
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET33



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

DATE	DESCRIPTION

DATE PREPARED: 10/21/2024
STATE: MO
SHEET NO.: 12
COUNTY: JEFFERSON
JOB NO.: SNS-0025

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

PLAN AND PROFILE
SHEET 8 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

PE34

PR TEMPORARY CONSTRUCTION ESM'T

BM35

TREE LINE

PR FENCE
(BY OTHERS)

CONSTRUCTION LIMITS

EX. SIGN (R)

℄ NORTH ACCESS ROAD

PR EDGE OF PAVEMENT
(BY OTHERS)

PR PERMANENT ESM'T

NEW ROW

107 108 109 110 111

PR FENCE
(BY OTHERS)

15'

15'

STA 111+50.00
BEGIN CONSTRUCTION
MEET SITE IMPROVEMENTS
(BY OTHERS)

PR EDGE OF PAVEMENT
(BY OTHERS)

PR TEMPORARY CONSTRUCTION ESM'T

TREE LINE

CONSTRUCTION LIMITS

NEW ROW

MATCHLINE STA. 111+92.63

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE

0 20 40 60

FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET 33

440
430
420
410
400

2'
20'

EXISTING GROUND PROFILE

P.G.L.
-6.00%

START 111+50.00
EL 422.00

VPC 111+87.50
EL 419.75

MEET SITE IMPROVEMENTS (BY OTHERS)

EXISTING GRADE	428.66		425.29	420.20	415.15		408.64
PROPOSED GRADE	428.46					422.00	411.07	421.40	420.20

107+00 108+00 109+00 110+00 111+00

NORTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 13

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 9 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003

B2-2 HW

STA.114+76.58
BEGIN MGS GUARDRAIL

TREE LINE

PR PERMANENT ESM'T

BARB WIRE FENCE (R)

WOOD FENCE POST

NEW ROW

C.E.T.

PE38

AGG

MATCHLINE STA. 111+92.63

℄ NORTH ACCESS ROAD

EX. 10'X6' BOX CULVERT(R)

15'

15'

112

113

114

115

116

117

C.E.T.

STA.114+66.00
BEGIN MGS GUARDRAIL

NEW ROW

BARB WIRE FENCE (R)

TREE LINE

LIMITS OF WETLANDS

DUAL 16'W X 12'H CULVERT

STREAM BUFFER ZONE

℄ TRIBUTARY 5 OF
PLATTIN CREEK

B2-1 HW

TXPOPS LLC
2022R-035590
19-4.0-17.0-0-000-005

15

TEMP ESM'T

STREAM BUFFER ZONE

STA.115+65.00
END MGS GUARDRAIL

CONSTRUCTION LIMITS

15-2 FES

15-1 P

TREE LINE

PE39

C.E.T.

BM36

BARB WIRE FENCE (R)

N05°51'39"E

EX V-DITCH(R)

C.E.T.

BARB WIRE FENCE (R)

STA. 115+67.25
END MGS GUARDRAIL

EX V-DITCH(R)

MATCHLINE STA. 117+32.63

WOVEN WIRE FENCE (R)

CONSTRUCTION LIMITS

TEMP ESM'T

15-1 FES

16

JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

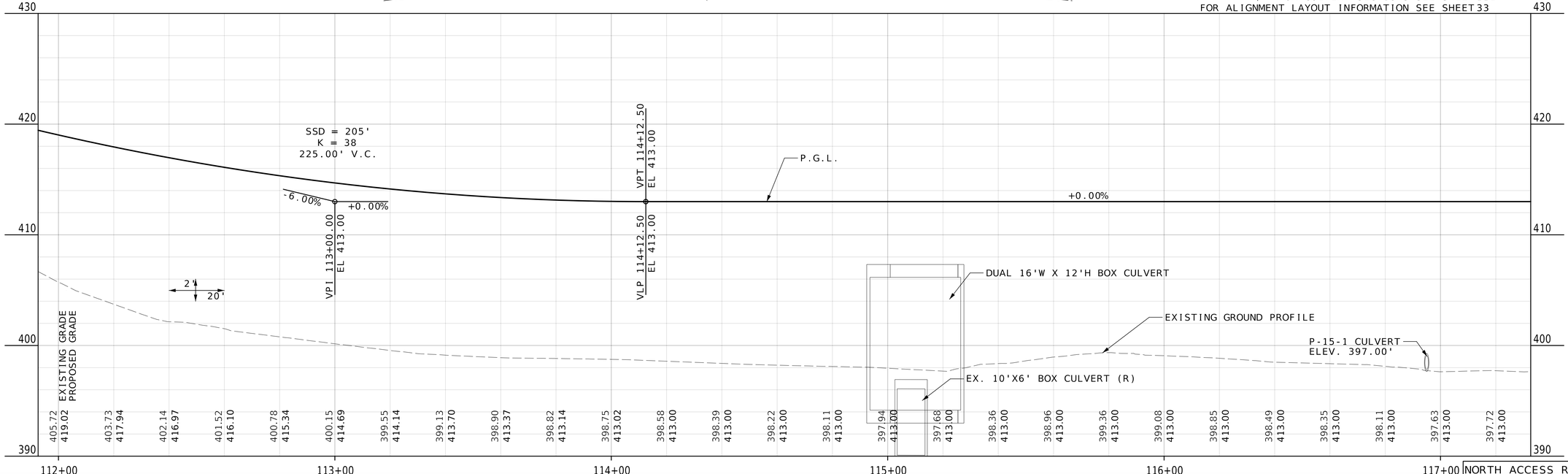
13

FRED WEBER, INC.
BK.712, PG.554
19-4.0-17.0-0-000-001

FOR CULVERT SECTIONS SEE SHEET 112
FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET 33

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60



STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 14

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

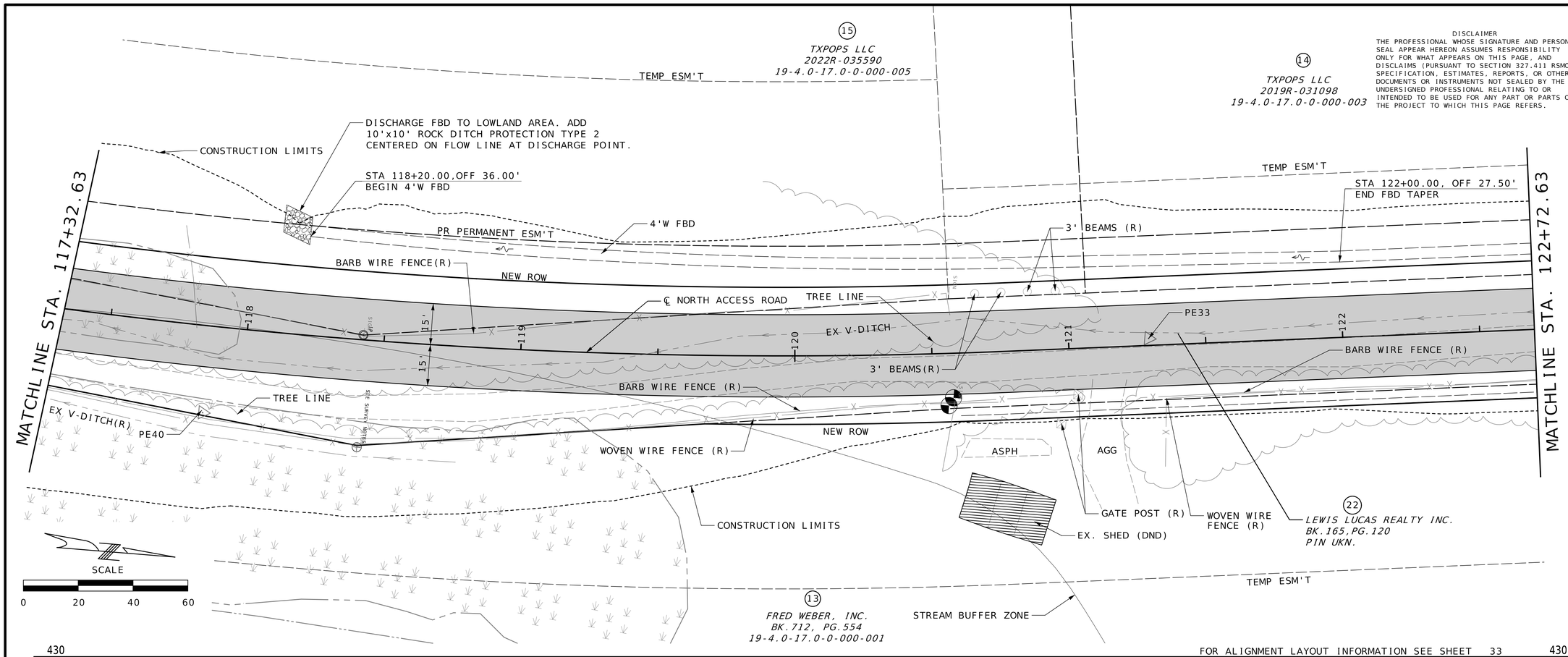
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2414 314.436.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

PLAN AND PROFILE
SHEET 10 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	15

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 11 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

MATCHLINE STA. 122+72.63

STA 124+02.63,OFF 0.00'
BEGIN FBD WIDTH TAPER

TEMP ESM'T

CONSTRUCTION LIMITS

4'W FBD

PR PERMANENT ESM'T

STA 124+73.11,OFF 0.00'
END FBD WIDTH TAPER

STA 124+02.63
BEGIN TAPER

NEW ROW

STA 124+73.85
END TAPER

PR PERMANENT ESM'T

℄ NORTH ACCESS ROAD

EX V-DITCH(R)

15'

15'

123

124

125

23.61'

AGG

GATE POST (R)

NEW ROW

2'W FBD

18"(R)

18"(R)

WOVEN WIRE
FENCE (R)

BARB WIRE
FENCE (R)

EX. PORTABLE SHED
(R&RELOC.) BY OTHERS

22

LEWIS LUCAS REALTY INC.
BK.165,PG.120
PIN UKN.

PR. TEMPORARY
CONSTRUCTION EASEMENT

13

FRED WEBER, INC.
BK.712, PG.554
19-4.0-17.0-0-000-001
838 VFW DR

AGG

2'W FBD

DESTROYED WIRE
FENCE (R)

HIGH POINT IN 2'W FBD
STA 125+02.98
ELEV. 413.70'

WOOD POST

30"(R)

36"(R)

℄ VFW DR

PE28

STA 32+22.53(VFW DR)=
STA 125+50.00(NORTH ACCESS ROAD)

BM32

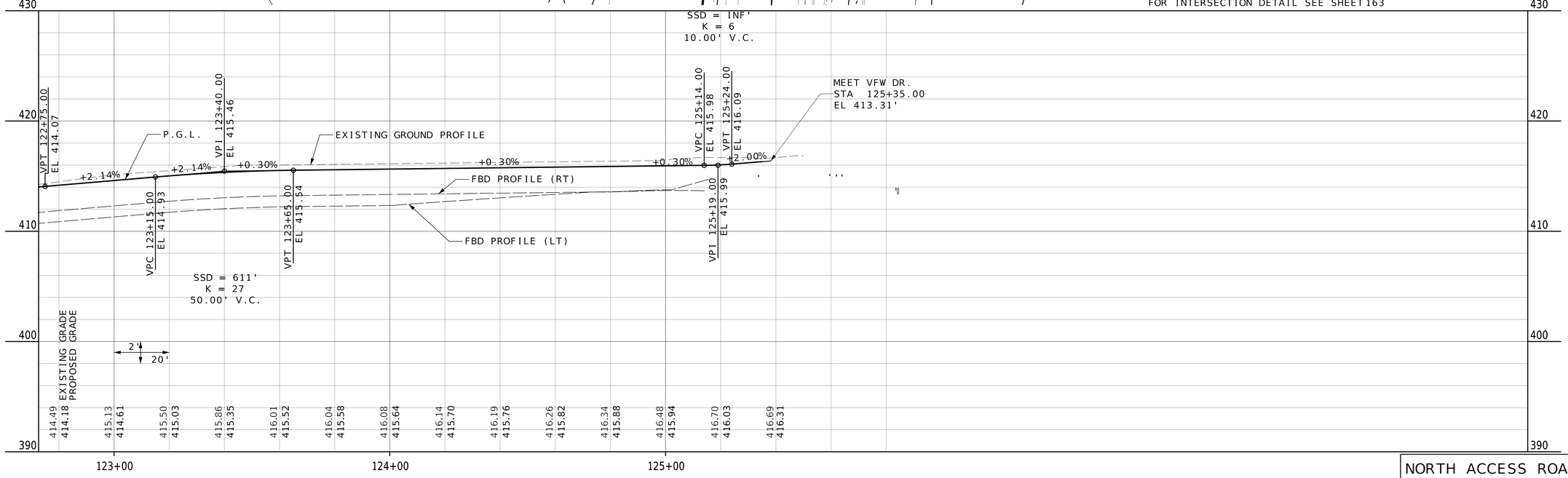
21"(R)

AGG

24"(R)

SCALE
0 20 40 60

FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET 33
FOR VFW DRIVE PLAN & PROFILE SEE SHEETS 10 -11
FOR INTERSECTION DETAIL SEE SHEET 163



NORTH ACCESS ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 16

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63146 - 3500
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 12 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_PP_592200_NAR Plan.dgn 1:49:11 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

N/F
FESTUS SPECIAL
ROAD DISTRICT
BK.393, PG.519

N/F
MISSOURI PACIFIC RAILROAD
(100')

N/F
STATE OF MISSOURI
(MoDOT)
BK.504, PG.995

CROWN PLASTICS INC
918 AIRPORT RD
2015R - 004330

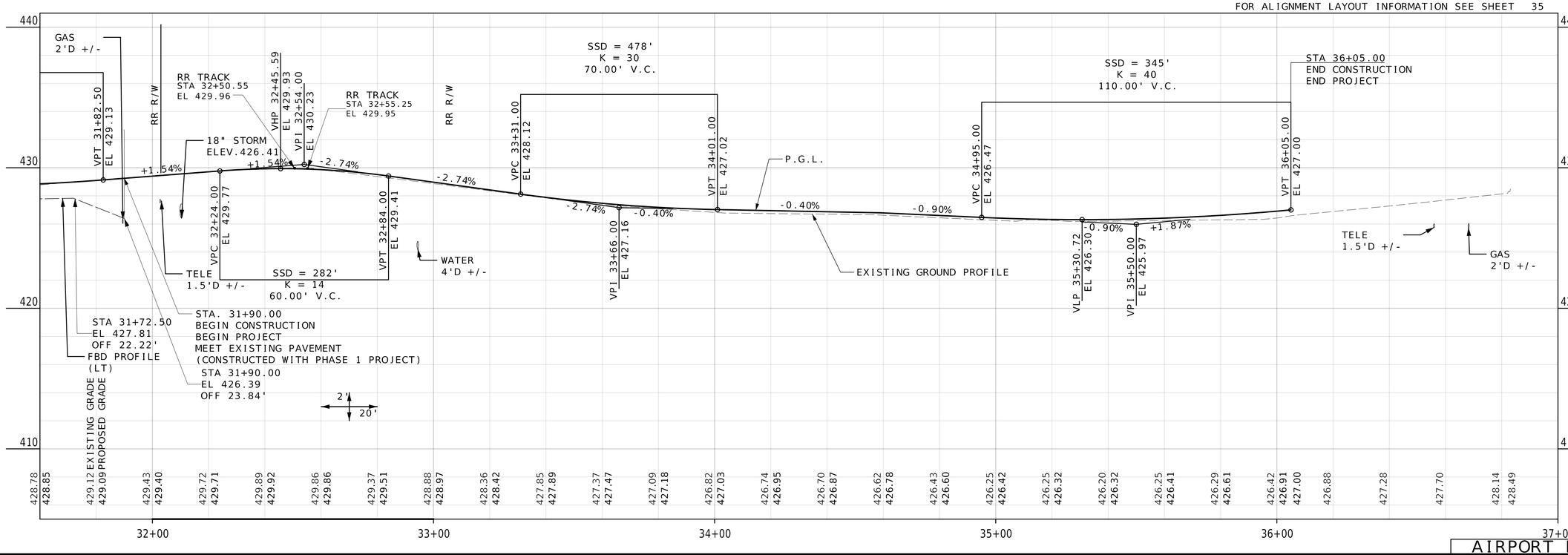
16
JAMES HARDIE BUILDING PRODUCTS INC
900 AIRPORT RD
2023R - 026964

EXIST 18"X24" PIPE (DND)
EXIST. FIRE HYDRANT (DND)
EXIST. UTILITY POLE (DND)
CROSSING SURFACE (BY OTHERS)
EXIST. R/W
EXIST. UTILITY POLE (DND)
EXIST. TELE UTILITY
2'W FBD
CONSTRUCTION LIMITS
NEW ROW
TEMP ESM'T
℄ AIRPORT ROAD
N73°32'41"E
EXIST. 4" GAS (DND)
EXIST. 24" PIPE (R)
PE7
EXIST. 18" PIPE (R)
EXIST. 8" WATER (DND)
EXIST. RR TRACKS (DND)
EXIST. GAS VALVE (DND)
SAWCUT AND REPLACE EXIST. PAVEMENT
EXIST. WATER LINE (DND)
EXIST. INLET ATG, REMOVE & REPLACE TOP
ASPH
EXIST. SIGN (DND)
EDGE OF PAVEMENT TAPER CONSTRUCTED IN PHASE 1
STA.31+90.00
BEGIN CONSTRUCTION
REGRADE SWALE TO DRAIN TO NEW INLET
SAWCUT AND SEAL
CONSTRUCTION LIMITS
CONNECT (2) 6"
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

STA. 36+05.00
END CONSTRUCTION
MEET SITE IMPROVEMENTS BY OTHERS

SCALE
0 20 40 60

FOR ALIGNMENT LAYOUT INFORMATION SEE SHEET 35



TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	17

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

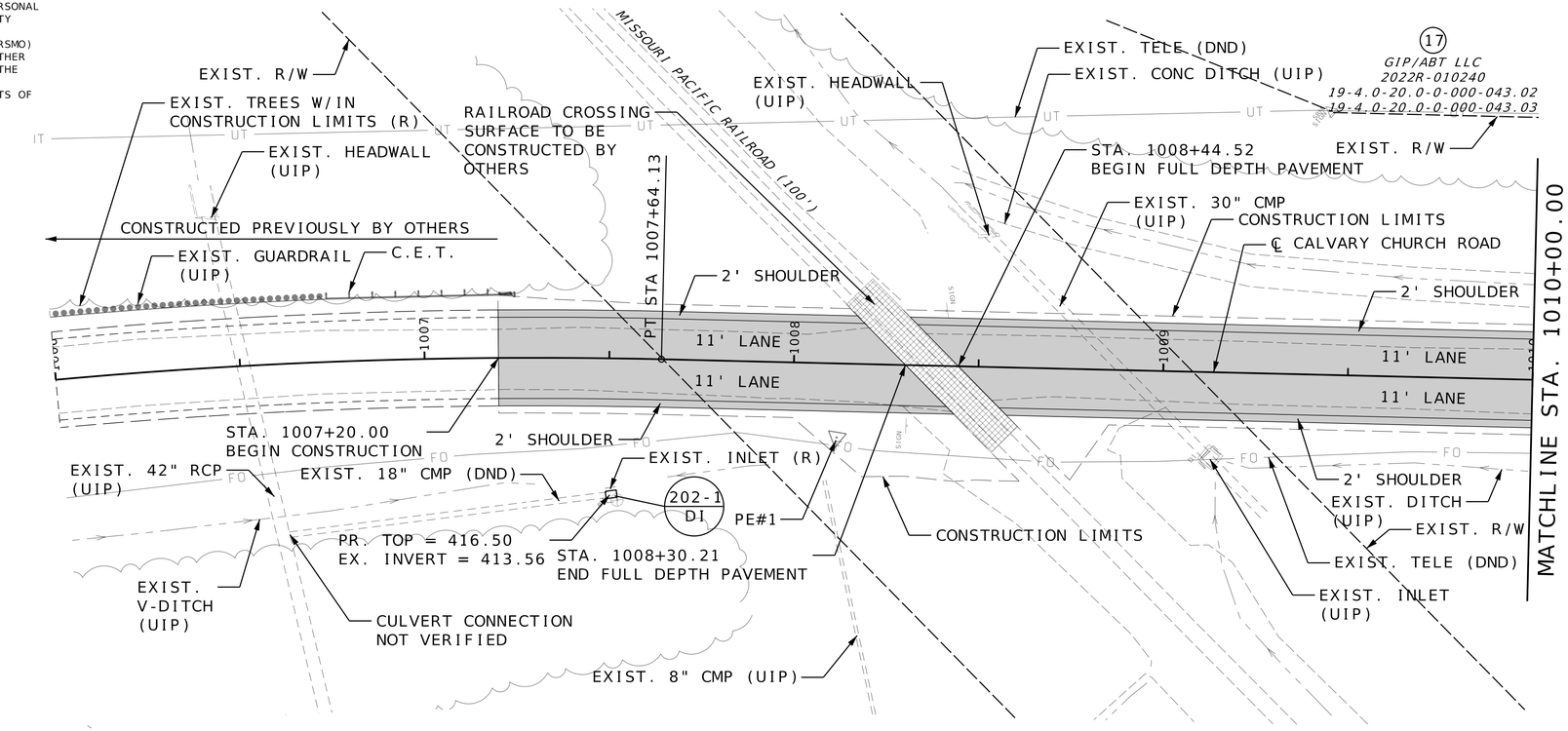
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

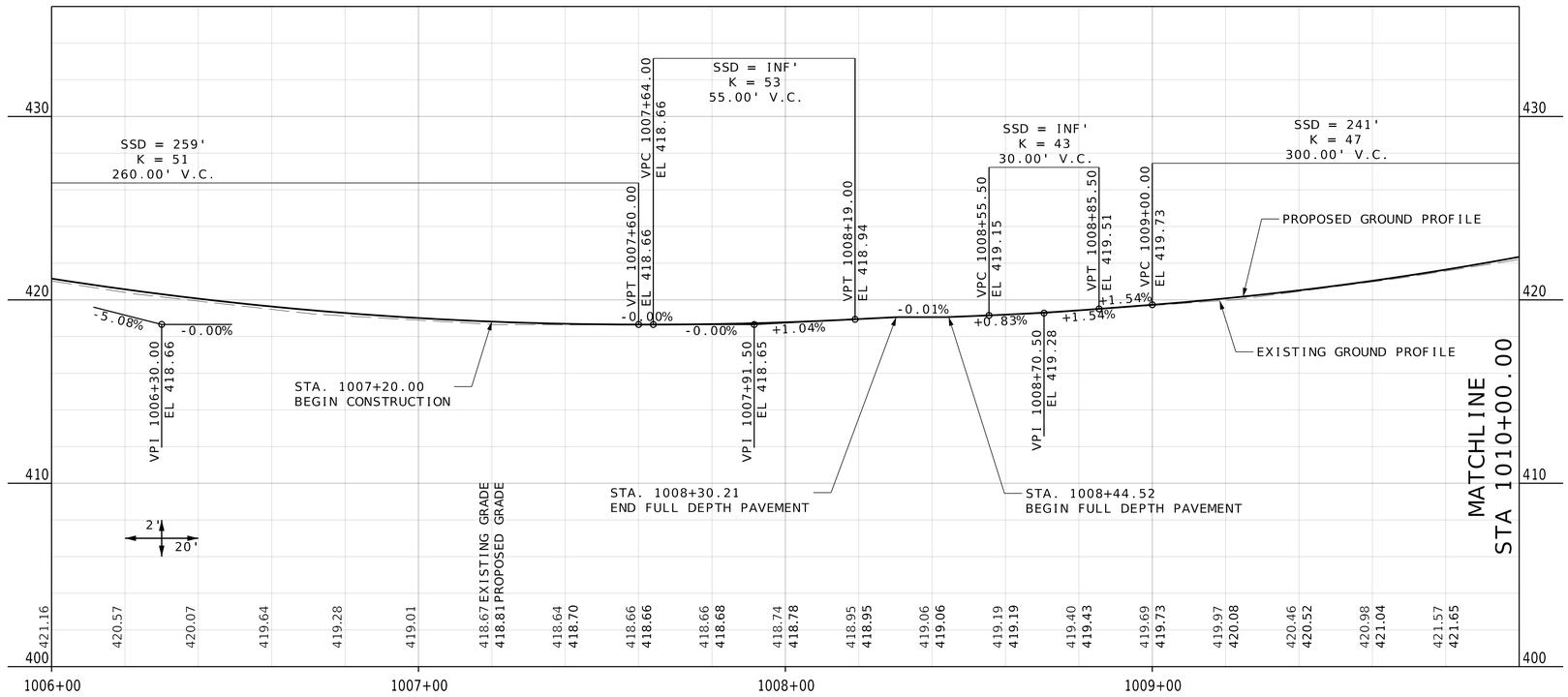
PLAN AND PROFILE
SHEET 13 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60



CALVARY CHURCH ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	18

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

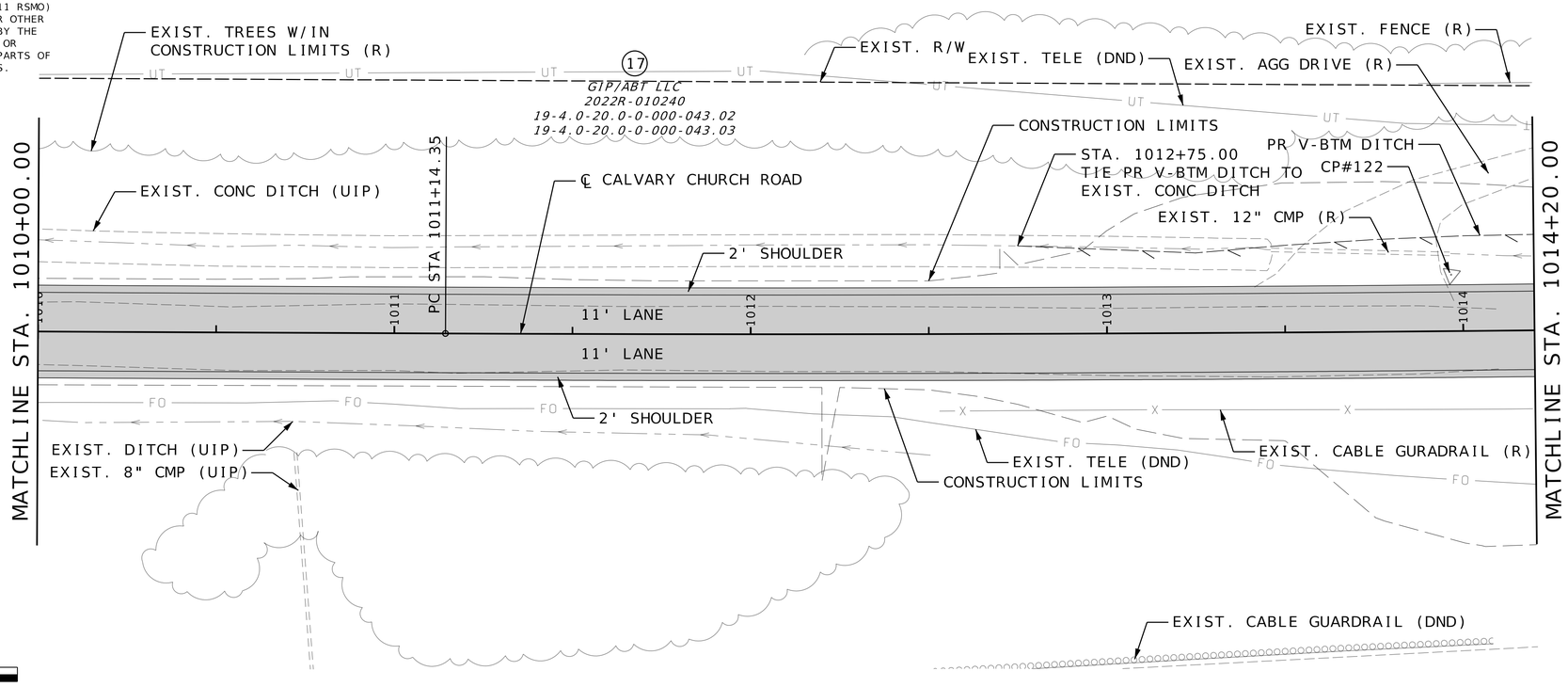
©Copyright CMT, Inc.

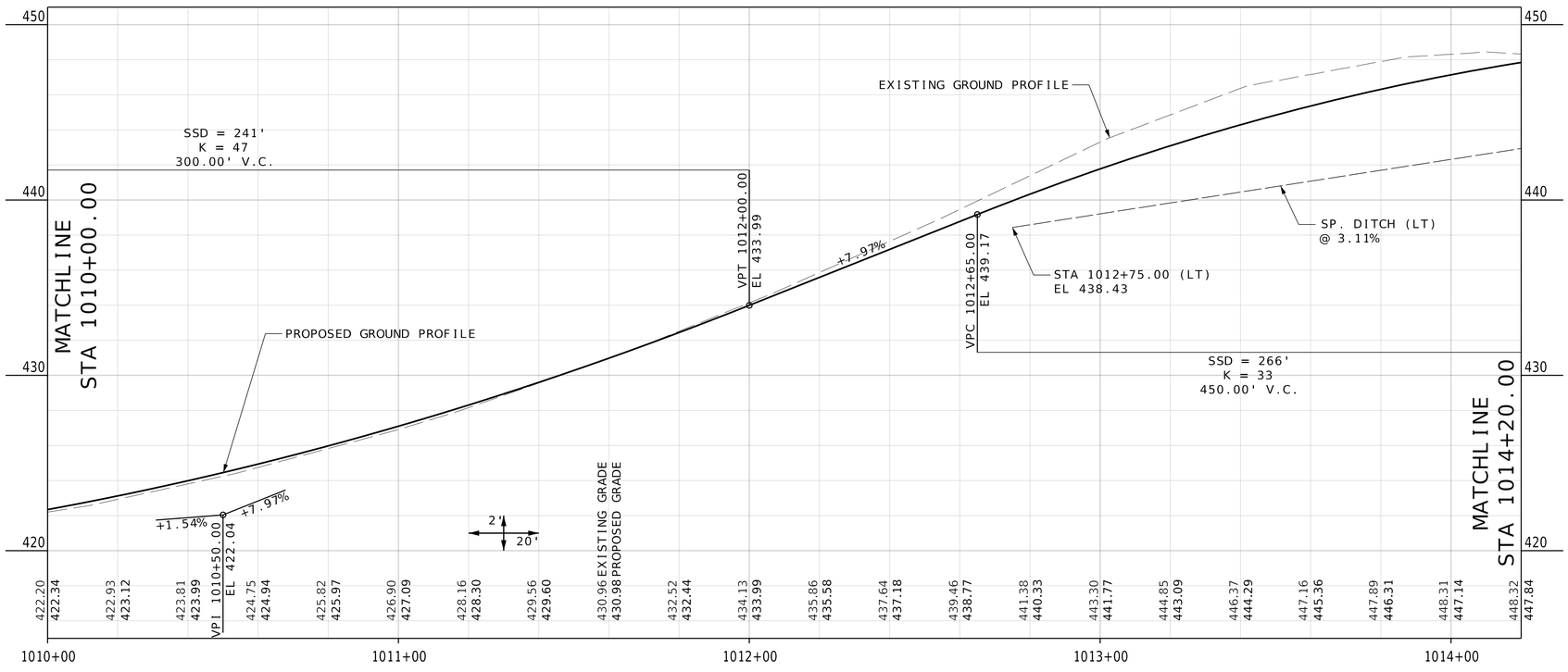
PLAN AND PROFILE
SHEET 14 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_PP_592200_Calvary.dgn 11:59:09 AM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





CALVARY CHURCH ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 19

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

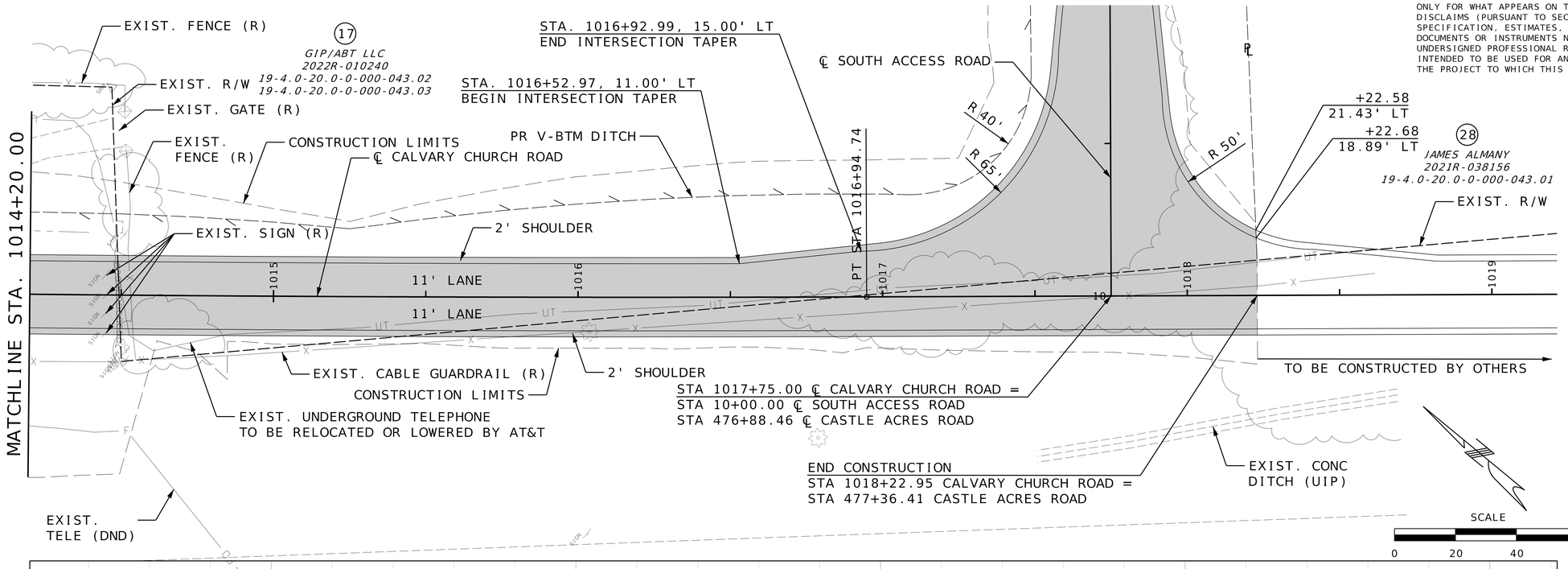
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

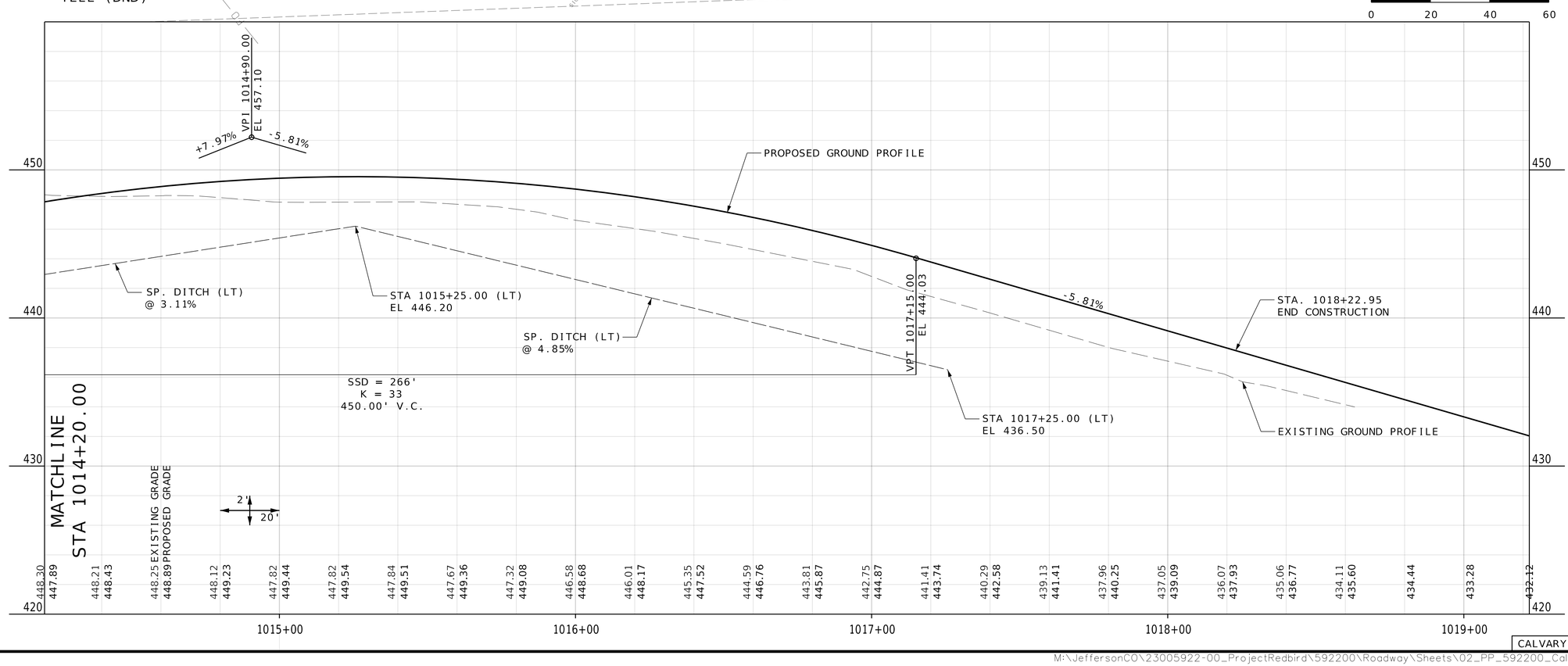
PLAN AND PROFILE
SHEET 15 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_PP_592200_Calvary.dgn 11:59:13 AM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 20

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL BLVD., SUITE 300
ST. LOUIS, MISSOURI 63043 (314) 344-1020
ENGINEERING CORPORATION - 000631

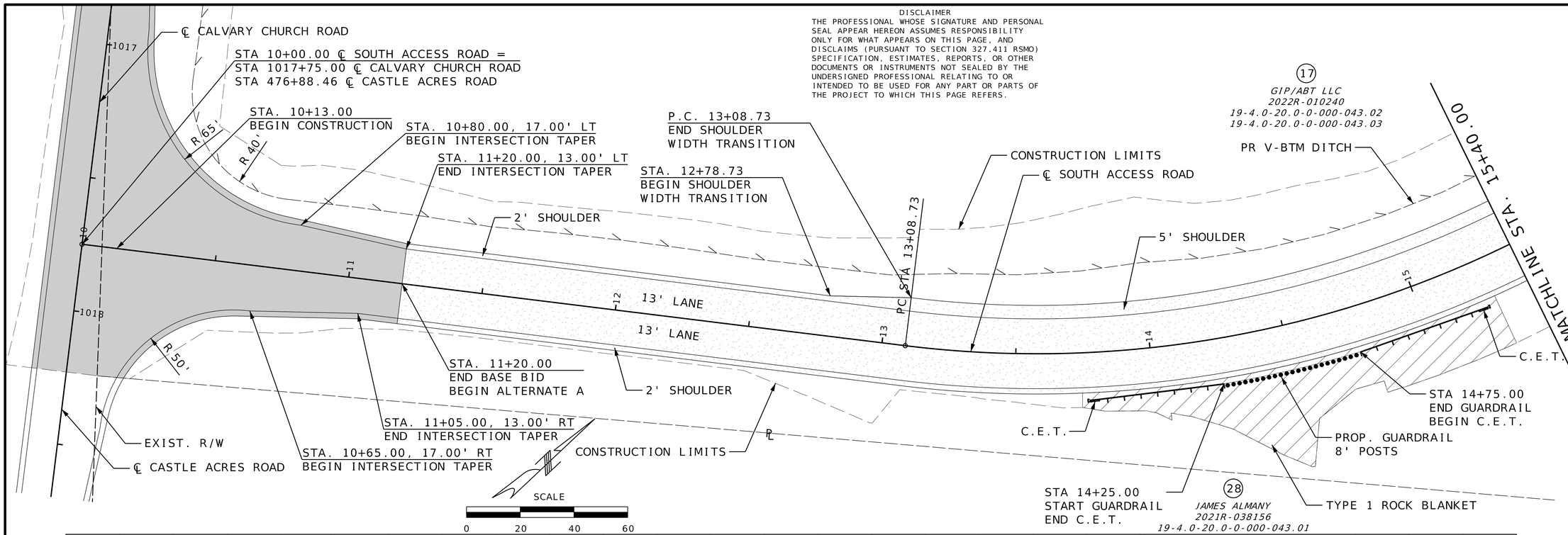
PLAN AND PROFILE
SHEET 16 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_PP_592200_Calvary.dgn 11:59:15 AM 10/16/2024

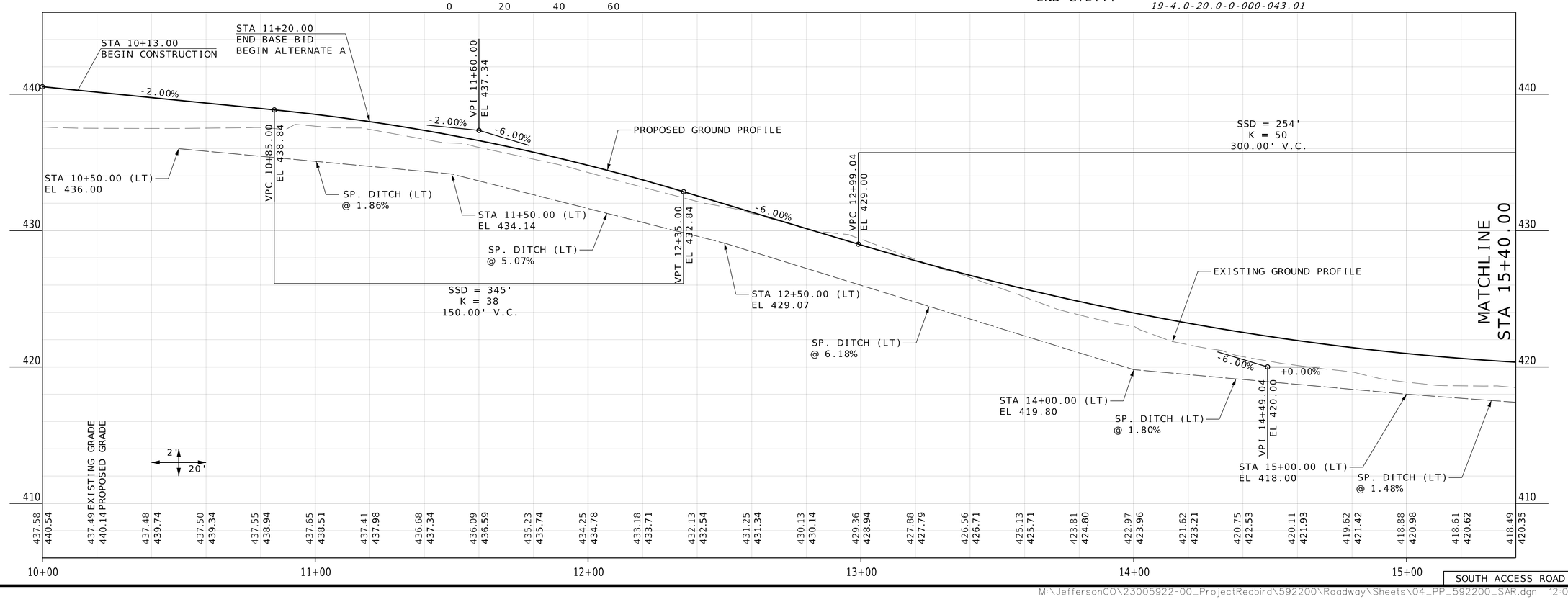
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

(17) GIP/ABT LLC
2022R-010240
19-4.0-20.0-0-000-043.02
19-4.0-20.0-0-000-043.03

(28) JAMES ALMANY
2021R-038156
19-4.0-20.0-0-000-043.01



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	21

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

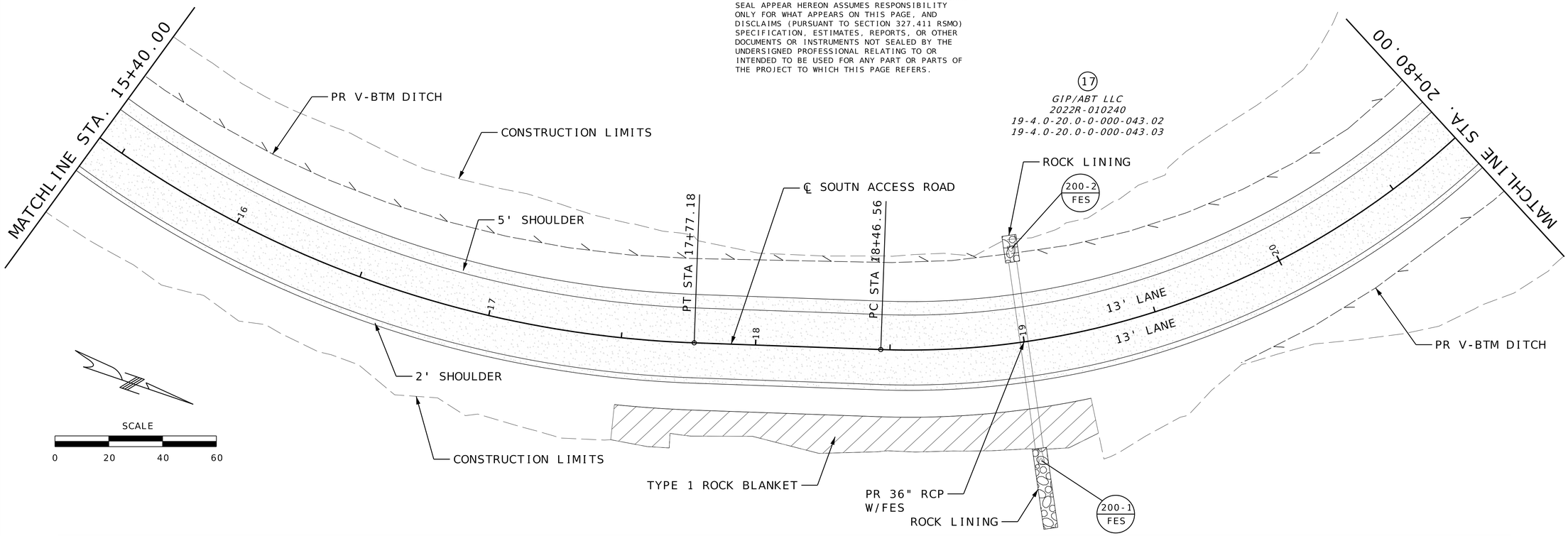
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

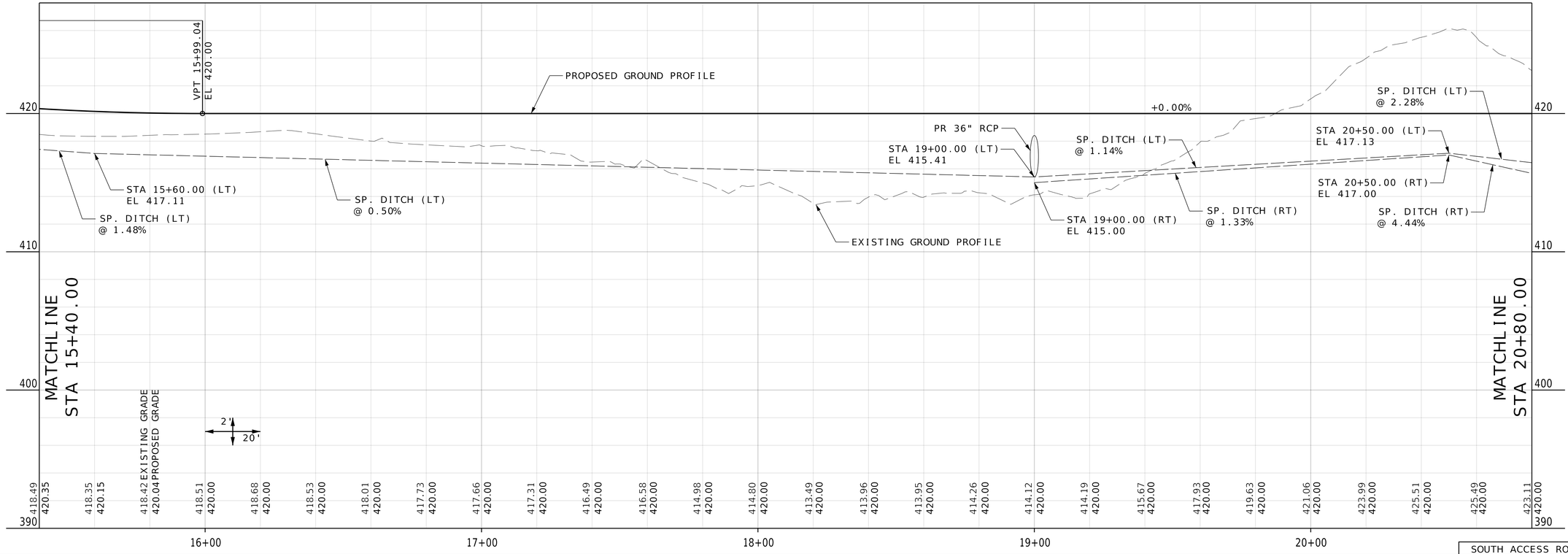
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 314-436-3500
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 17 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	22

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

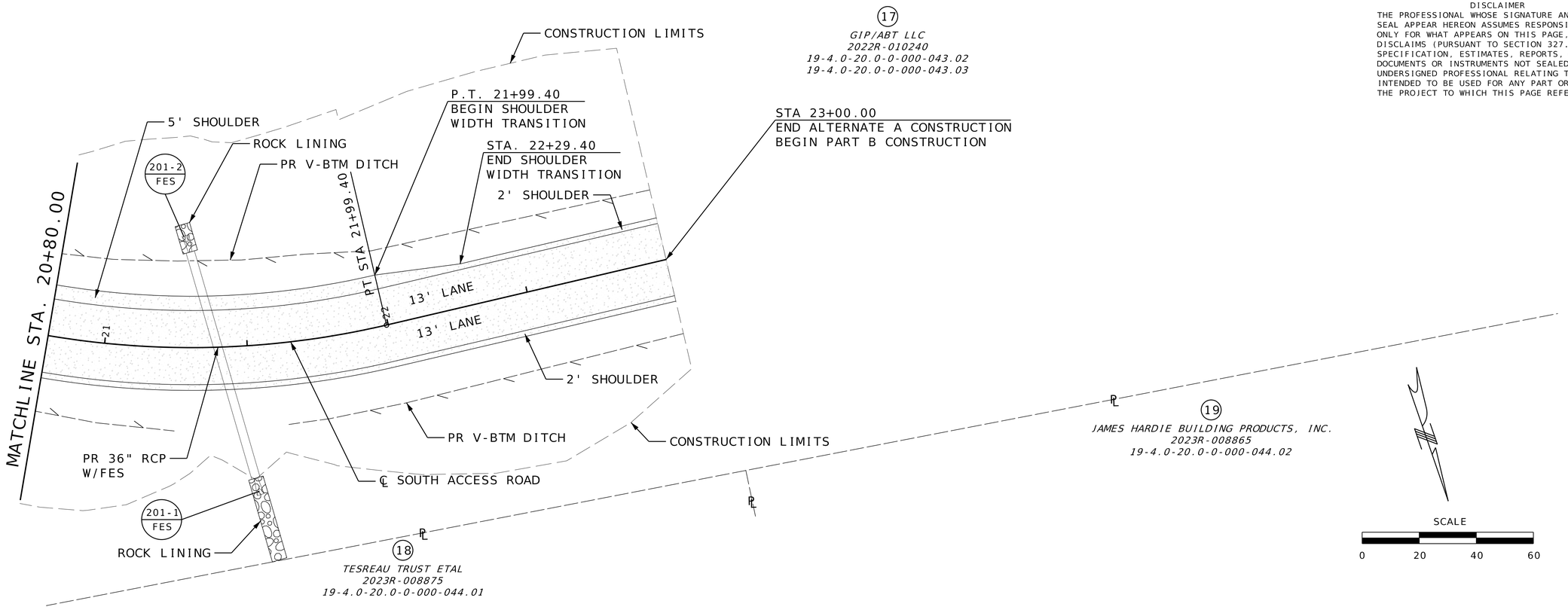
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

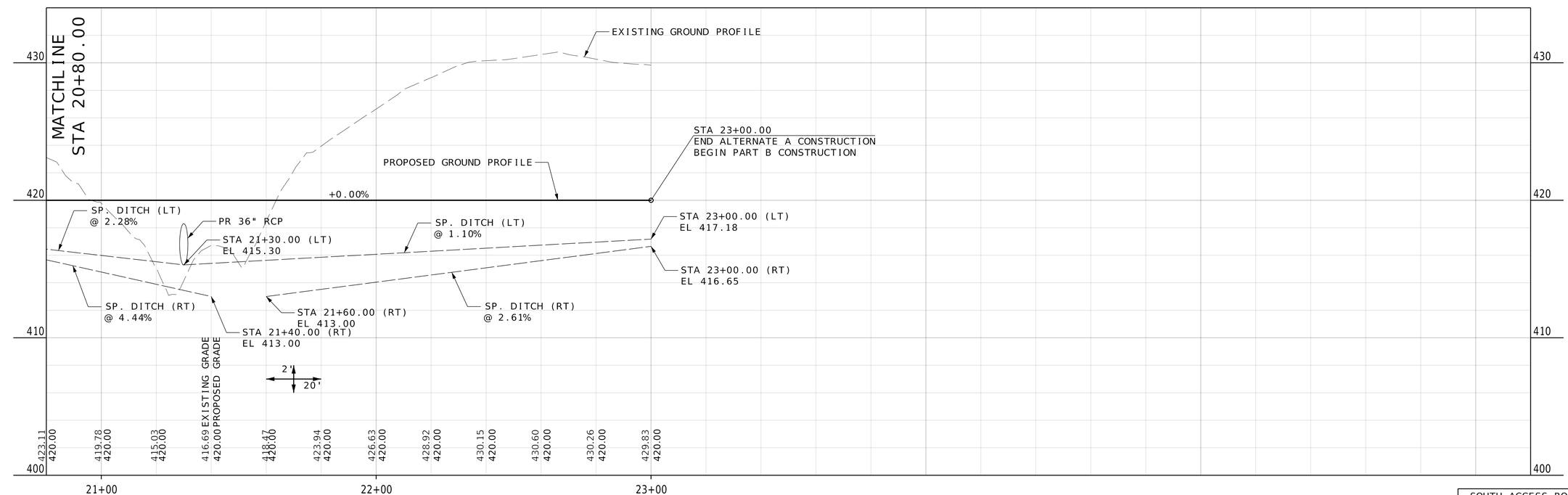
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 18 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	23

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

JEFFERSON COUNTY 1818 MISSOURI

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

PLAN AND PROFILE
SHEET 19 OF 21

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BEGIN PROJECT STA. 6+06.00
(PAVEMENT MARKING AND SIGNING)

EX. DITCH (UIP)

STA. 11+24.21
ASPHALT PAVED APPROACH
(UIP)

STA. 12+68.22
ASPHALT PAVED APPROACH
(UIP)

(24)
1305 HIGHWAY 61, LLC
2008R-040270
19-4.0-18.0-0-004.1
1305 US HIGHWAY 61
NO ACQUISITION

EX. ROW

PE16

BM14

(UIP)

℄ US 61

MATCHLINE STA. 13+90.00

SAWCUT

BEGIN WIDENING
STA. 9+55.00
OFF. 23.23' RT

STA. 9+55.00
OFF. 29.11' RT

PAVEMENT WIDENING

(UIP)

(UIP)

(UIP)

PE15

STA. 10+50.75
OFF. 40.00' RT

(DND)

EX. FENCE (DND)

(25)
N/F
HALE REAL ESTATE
DEED #030055954
19-4.0-18.0-0-001-004
1035 ST. PIUS DR
NO ACQUISITION

(2)
ST. LOUIS ARCHDIOCESE
BOOK 315, PAGE 56
19-4.0-18.0-0-001-005
1030 ST. PIUS DR

SCALE
0 20 40 60

US 61/67 INTERSECTION

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI ★ PROFESSIONAL ENGINEER ★
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 24

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

PLAN SHEET
SHEET 20 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_PS_01_592200_61_67.dgn 11:35:31 AM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

MATCHLINE STA. 13+90.00

℄ US 67
STA. 1088+48.12
PAVEMENT WIDENING
EX. ISLAND (R&R)
(UIP)
TYPE S CURB
EX. ISLAND (R)
℄ US 61
SAWCUT
STA. 14+68.50
OFF. 28.25' RT
TYPE S CURB
PROPOSED ISLAND
PAVEMENT WIDENING
EX. ROW
STA. 15+04.68
OFF. 61.45' RT
STA. 15+06.12
OFF. 59.67' RT
PE17
PAVEMENT WIDENING
EX. ROW
EX. ISLAND (R)
EX. ISLAND (R&R)
TYPE S CURB
STA. 16+68.88
STA. 16+70.30
OFF. 31.94' RT
STA. 16+54.71
OFF. 51.18' RT
PE18
℄ AMERICAN LEGION DR
STA. 16+98.61
OFF. 30.14' RT
SAWCUT
PAVEMENT WIDENING
17:1 TAPER
EX. ROW
STA. 18+84.81
OFF. 10.00' RT
STA. 18+84.81
OFF. 18.00' RT
EX. MAILBOX (UIP)
EX. ROW
END PROJECT
STA. 18+84.81
pt STA 1085+29.93
STA. 1084+92.38
US 61/67

SEE SIGNAL SHEETS FOR SIGNAL RELATED ITEMS

27
LD COMPTON BUILDING MATERIALS
2020R-028786
19-4.0-18.0-002-003.00
19-4.0-18.0-002-003.01
1245 AMERICAN LEGION DR
NO ACQUISITION

26
DARRELL & LELA SAGO, TRUSTEES
DEED #040047704
19-4.0-18.0-0-002
1240 AMERICAN LEGION DR
NO ACQUISITION

25
N/F
HALE REAL ESTATE
DEED #030055954
19-4.0-18.0-0-001-004
1035 ST. PIUS DR
NO ACQUISITION

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 9/30/2024
STATE MO | SHEET NO. 25
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

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

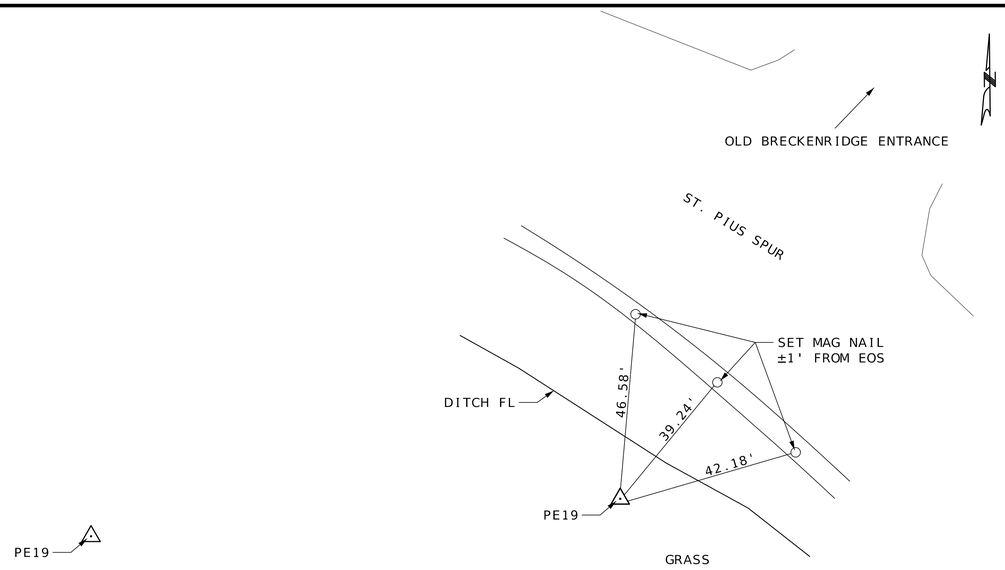
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631

PLAN SHEET
SHEET 21 OF 21

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_PS_02_592200_61_67.dgn 11:35:32 AM 10/16/2024

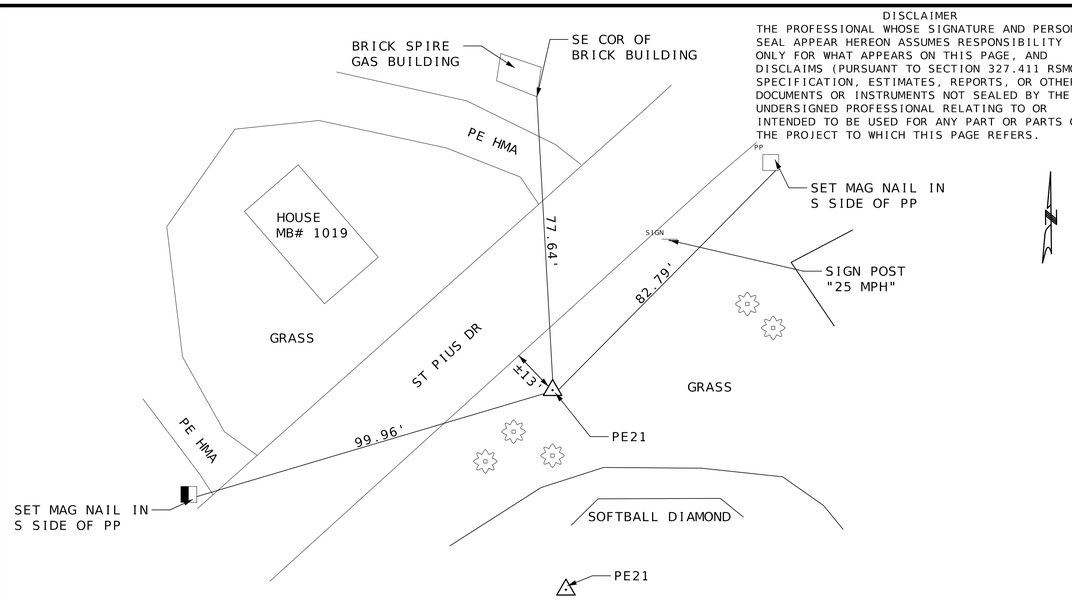


PE19 (SET 5/8" REBAR W/ CAP)
N=862,792.245
E=850,929.253
EL=412.17

*±245' NW OF ST PIUS HIGH SCHOOL PROPERTY
*±306' ESE OF HWY 67 EOS
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

ST. PIUS SPUR



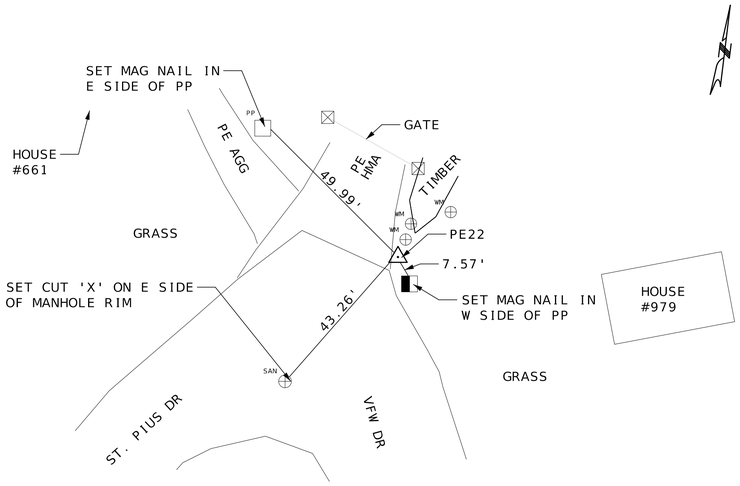
BM20 (SET CUT BOX ON SW COR OF 15" VCP CULVERT HEADWALL. 23' SE OF EOP OF ST. PIUS DR. 270' NE OF ST. PIUS SPUR & ST. PIUS DR INTERSECTION)
N=862,842
E=851,361
EL=405.31

PE21 (SET 5/8" REBAR W/ CAP)
N=862,908.139
E=851,423.346
EL=403.45

*±360' NE OF CENTER INTERSECTION OF ST PIUS DR & ST PIUS SPUR
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

ST. PIUS DRIVE

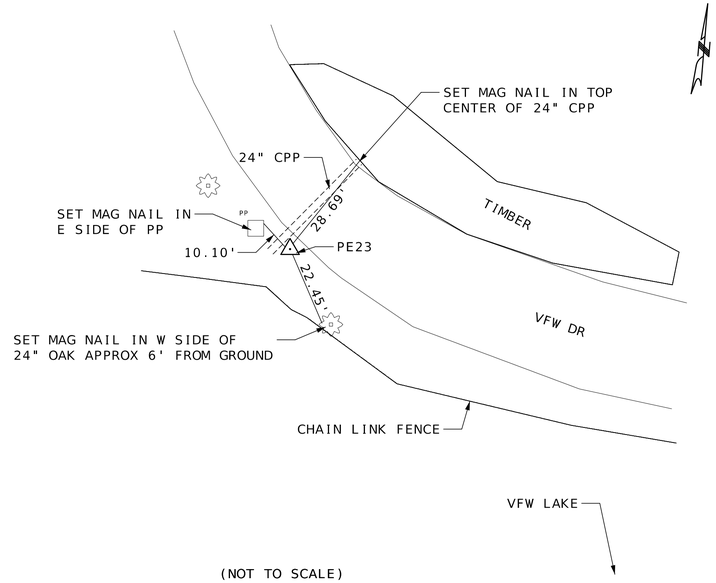


PE22 (SET 5/8" REBAR W/ CAP)
N=863,199.932
E=851,690.386
EL=411.55

*±3' FROM EOP
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

ST. PIUS DRIVE



PE23 (SET 5/8" REBAR W/ CAP)
N=862,946.845
E=851,752.570
EL=411.72

*±2' FROM EOP
*±120' NORTH OF VFW LAKE WATERS EDGE
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

VFW DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 26

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

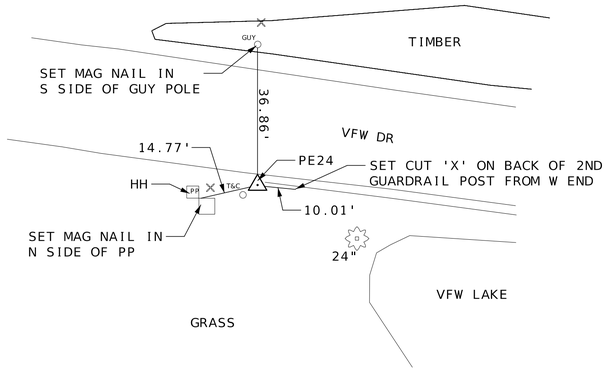
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

REFERENCE POINTS
SHEET 1 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.



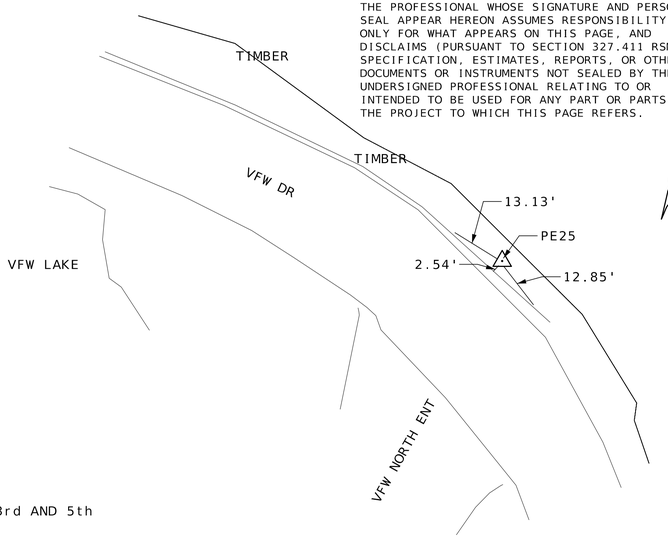
(NOT TO SCALE)

PE24

PE24 (SET 5/8" REBAR W/ CAP)
N=862,857.772
E=852,127.522
EL=401.96

*±2' FROM EOP
*±166' E OF HOUSE #971
*TIES PULLED HORIZONTAL

VFW DRIVE



PE25

PE25 (SET 5/8" REBAR W/ CAP)
N=862,772.774
E=852,589.429
EL=403.21

*ALL TIES ARE CUT 'X' ON 1st, 3rd AND 5th
GUARDRAIL POST FROM SE END
*NNE ACROSS FROM VFW POST 3777
*TIES PULLED HORIZONTAL

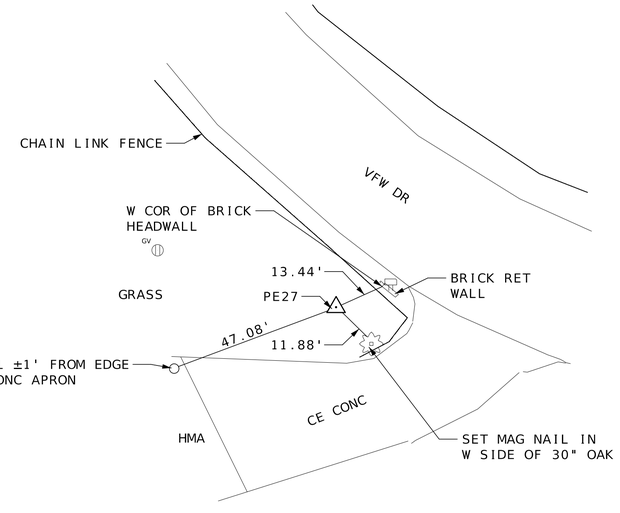
(NOT TO SCALE)

BM

BM26

BM26 (SET CUT BOX ON CONC CURB ON S SIDE OF N VFW ENTRANCE
TO VFW POST 3777 NEAR 12" CMP. 4' W OF EOP.)
N=862,713
E=852,588
EL=405.19

VFW DRIVE



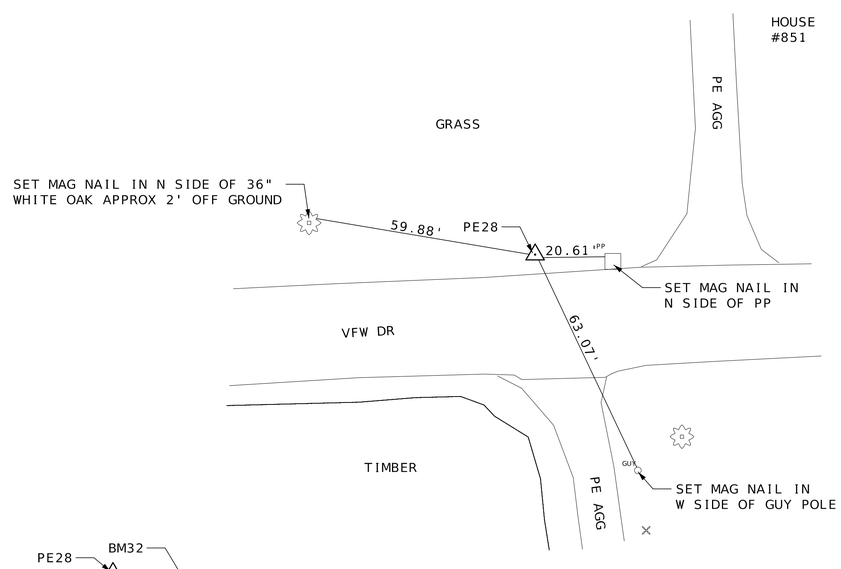
PE27

PE27 (SET 5/8" REBAR W/ CAP)
N=862,442.846
E=852,725.876
EL=412.07

*±15' FROM EOP
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

VFW DRIVE



PE28

BM32

PE28 (SET 5/8" REBAR W/ CAP)
N=862,458.358
E=853,055.114
EL=416.03

*5.5' FROM EOP
*TIES PULLED HORIZONTAL

(NOT TO SCALE)

VFW DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 27

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

REFERENCE POINTS
SHEET 2 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

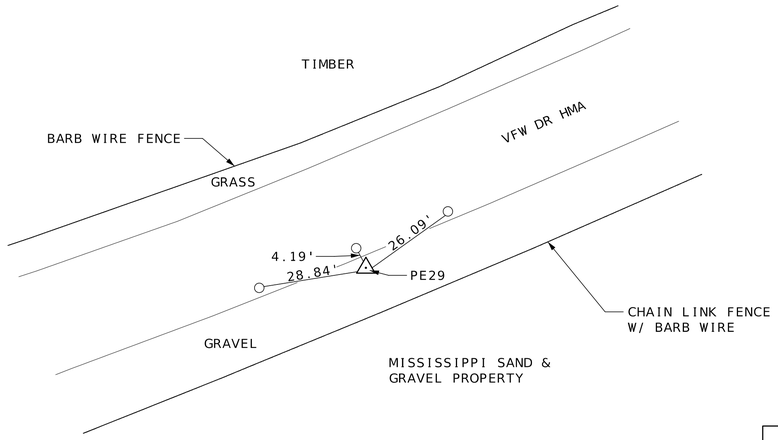
REV.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_RP_592200_VFW Drive 1.dgn 2:46:32 PM 10/16/2024

PE29

PE29 (SET 5/8" REBAR W/ CAP)
N=862,495.736
E=853,744.676
EL=405.77

*ALL TIES ARE SET MAG NAILS ±1' FROM EOP
*±160' E OF CENTER OF MISSISSIPPI SAND & GRAVEL ENTRANCE
*TIES PULLED HORIZONTAL



(NOT TO SCALE)

VFW DRIVE

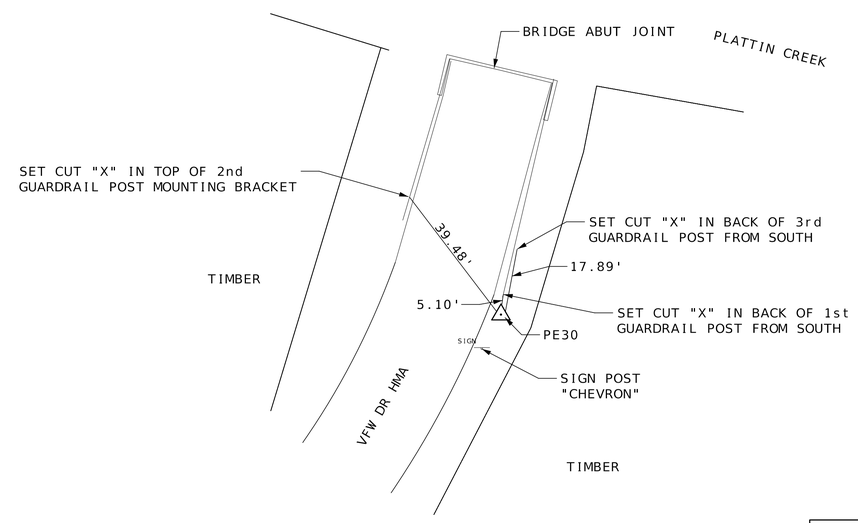
BM31

BM31 (SET CUT BOX ON SW COR OF BRIDGE ABUTMENT
OVER PLATTIN CREEK ALONG VFW DR. 1.42' W OF EOP.
±509' NE OF CENTERLINE OF MISSISSIPPI SAND & GRAVEL ENTRANCE)
N=862,736
E=853,958
EL=407.43

PE30

PE30 (SET 5/8" REBAR W/ CAP)
N=862,677.944
E=853,974.152
EL=405.62

*±63' S OF PLATTIN CREEK BRIDGE ABUTMENT
*TIES PULLED HORIZONTAL



(NOT TO SCALE)

VFW DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	28

COUNTY
JEFFERSON

JOB NO.
SNS-0025

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

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631

REFERENCE POINTS
SHEET 3 OF 7

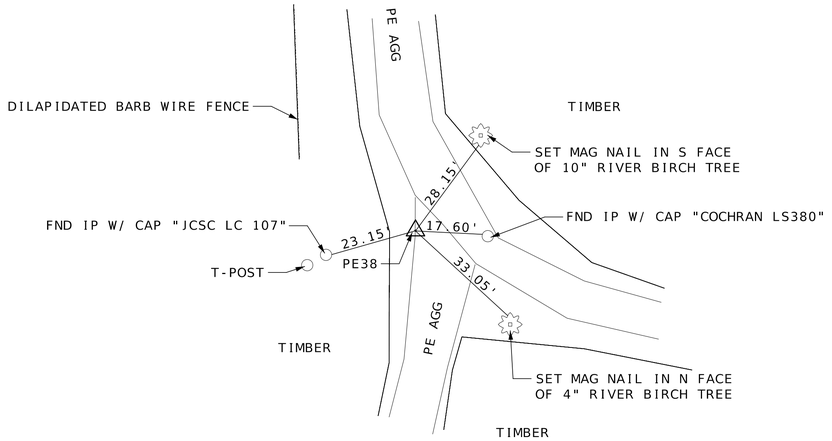
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

PE38

PE38 (SET 5/8" REBAR W/ CAP)
N=861,132.552
E=853,123.021
EL=402.51

*±253' S FROM S END PRIVATE CREEK CROSSING
*TIES PULLED HORIZONTAL



(NOT TO SCALE)

NORTH ACCESS ROAD

PE39 (SET 5/8" REBAR W/ CAP)
N=861,471.483
E=853,114.737
EL=398.96

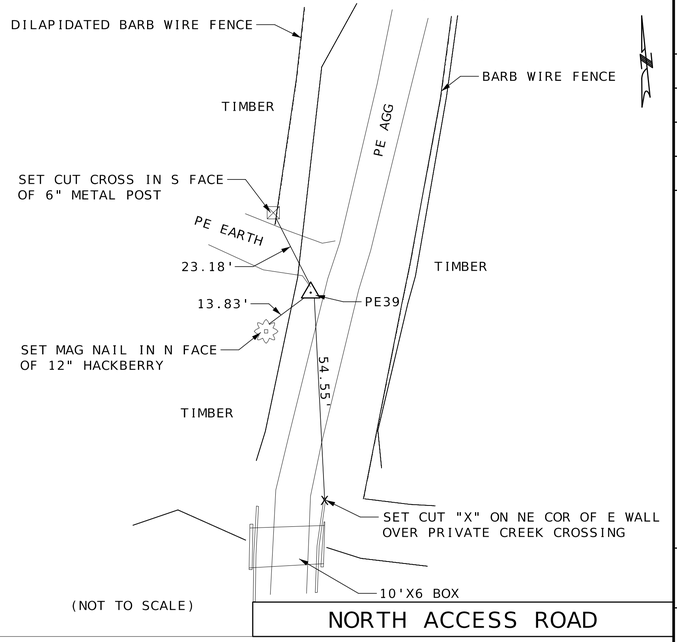
*±58' N OF PRIVATE CREEK CROSSING
*TIES PULLED HORIZONTAL

PE39

BM36

BM36 (SET CUT BOX IN CENTER OF NORTH END OF W CONC. WALL OVER PRIVATE CREEK CROSSING. ALONG AN AGG PRIVATE ENTRANCE RUNNING FROM VFW DR TO VACANT AIRPORT. 18' TO NW COR OF E WALL. 58' SSW OF PE39.)
N=861,415
E=853,101
EL=399.53

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



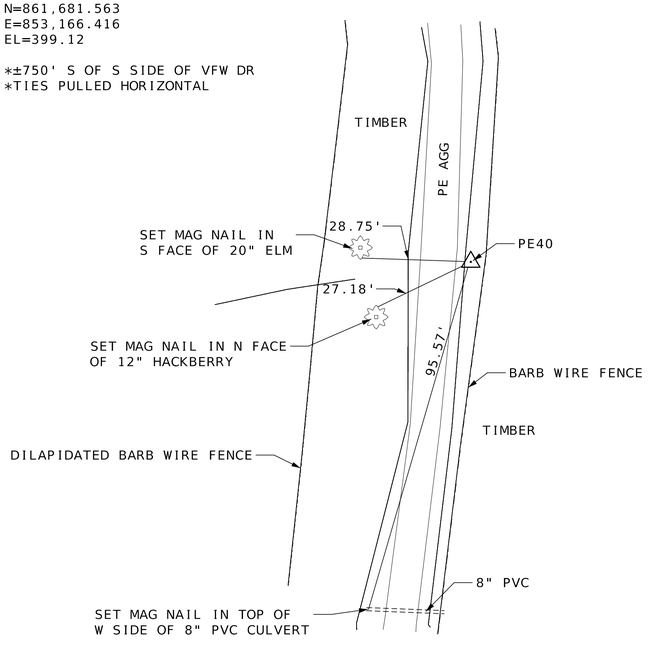
(NOT TO SCALE)

NORTH ACCESS ROAD

PE40

PE40 (SET 5/8" REBAR W/ CAP)
N=861,681.563
E=853,166.416
EL=399.12

*±750' S OF S SIDE OF VFW DR
*TIES PULLED HORIZONTAL



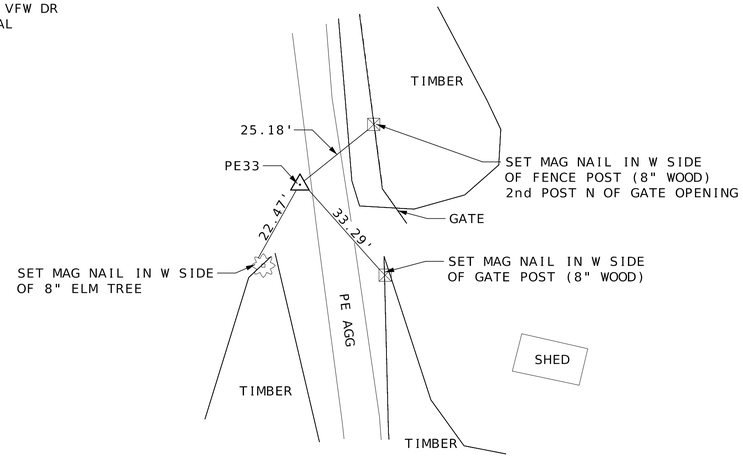
(NOT TO SCALE)

NORTH ACCESS ROAD

PE33

PE33 (SET 5/8" REBAR W/ CAP)
N=862,023.392
E=853,111.616
EL=412.32

*±1' FROM EOP
*±420' S OF CENTER OF VFW DR
*TIES PULLED HORIZONTAL



(NOT TO SCALE)

NORTH ACCESS ROAD

TODD EHLEN NUMBER PE-2006019649 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	29

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3555
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REFERENCE POINTS
SHEET 4 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

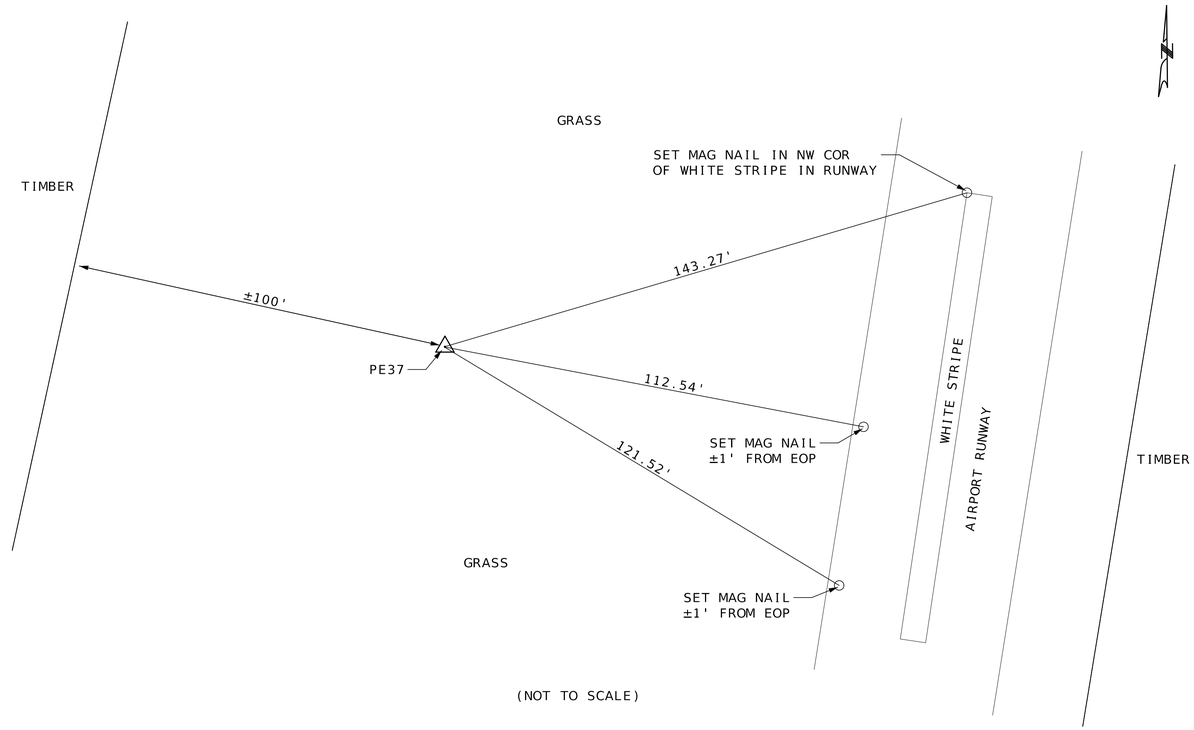
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

PE37

PE37 (SET 5/8" REBAR W/ CAP)
N=860,565.457
E=853,095.941
EL=430.22

*TIES PULLED HORIZONTAL



(NOT TO SCALE)

AIRPORT ROAD

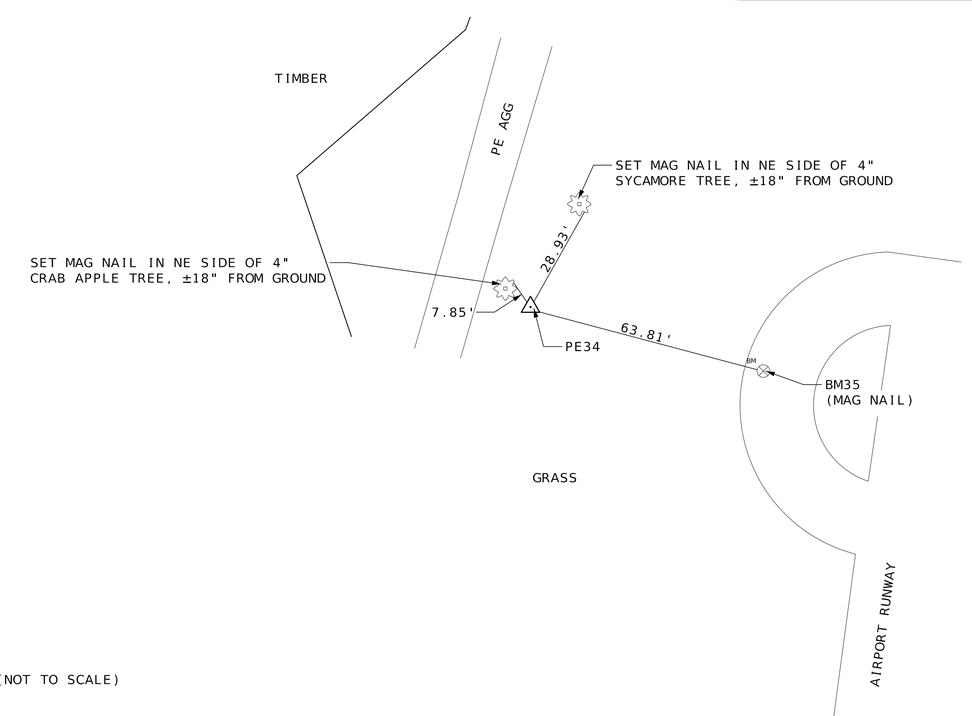
PE34

PE34 (SET 5/8" REBAR W/ CAP)
N=860,872.954
E=853,099.113
EL=430.53

*TIES PULLED HORIZONTAL

BM35

BM35 (SET MAG NAIL IN W SIDE OF HMA RUNWAY TURN AROUND.
59' FROM WEST EDGE OF GRATE INLET IN CENTER OF TURN AROUND.
64' EAST OF PE34.)
N=860,856
E=853,161
EL=431.90



(NOT TO SCALE)

AIRPORT ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	30

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

REFERENCE POINTS
SHEET 5 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

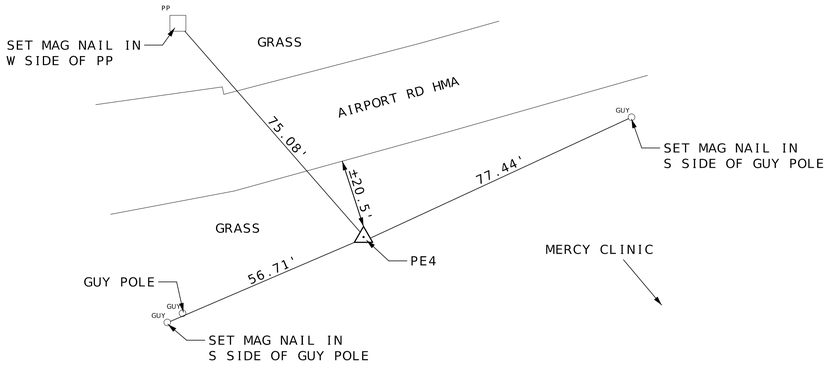
BM11

BM11 (FND CUT 'L' ON SW COR OF CONC DROP INLET TOP. ±25' S OF AIRPORT RD. ±33' E OF CALVARY CHURCH RD))
N=859363
E=850381
EL=432.06

PE4

PE4 (SET 5/8" REBAR W/ CAP)
N=859,375.065
E=850,596.543
EL=440.01

*±240' E OF CALVARY CHURCH RD
*TIES PULLED HORIZONTAL



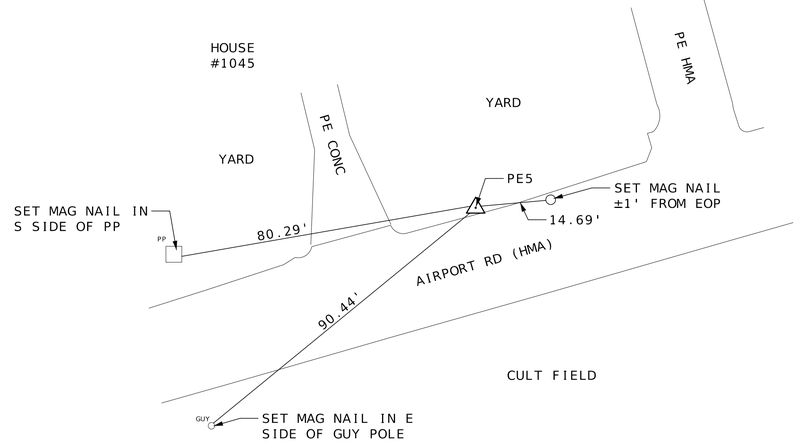
(NOT TO SCALE)

AIRPORT ROAD

PE5

PE5 (SET 5/8" REBAR W/ CAP)
N=859,644.407
E=851,388.932
EL=462.95

*TIES PULLED HORIZONTAL



(NOT TO SCALE)

AIRPORT ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED	
10/16/2024	
STATE	SHEET NO.
MO	31
COUNTY	
JEFFERSON	
JOB NO.	
SNS-0025	

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

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

REFERENCE POINTS
SHEET 6 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

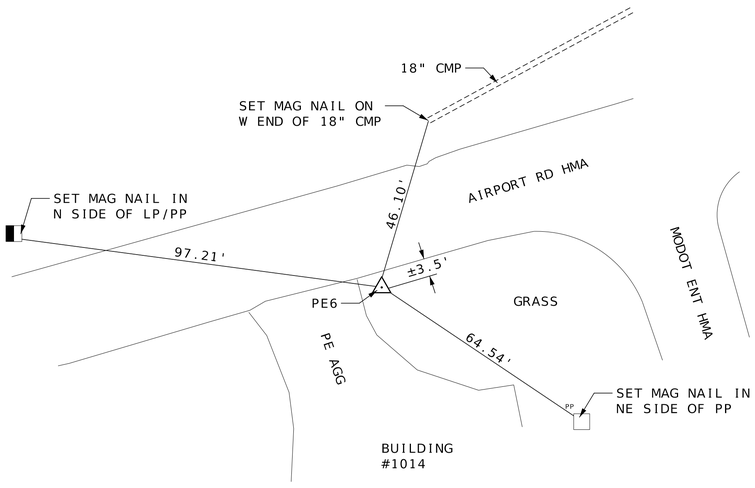
PE6

PE6 (SET 5/8" REBAR W/ CAP)
N=859,762.214
E=851,899.476
EL=434.19

*TIES PULLED HORIZONTAL

BM12

BM12 (FND DISK IN CONC PAD NW OF MODOT MAINT YARD OFFICE. ±29' SE OF AIRPORT RD.)
N=859778
E=852045
EL=434.03



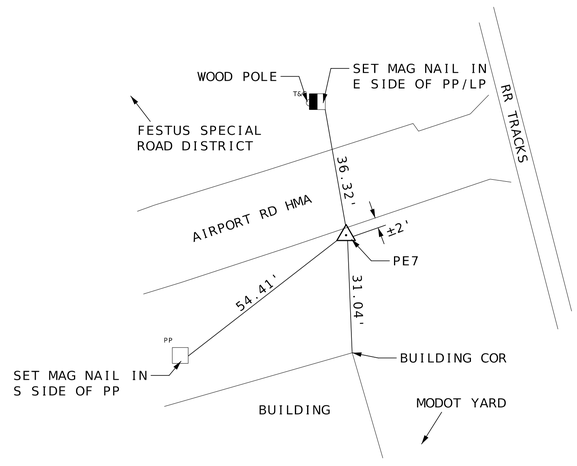
(NOT TO SCALE)

AIRPORT ROAD

PE7

PE7 (SET 5/8" REBAR W/ CAP)
N=859,892.896
E=852,326.955
EL=429.27

*TIES PULLED HORIZONTAL



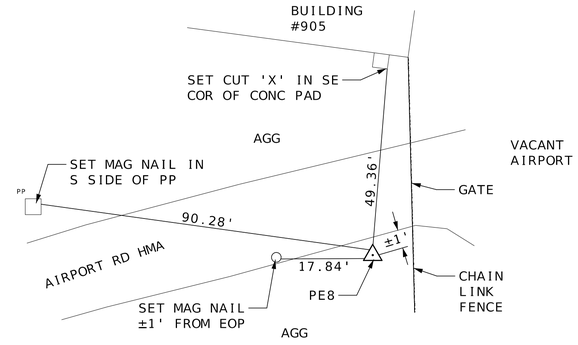
(NOT TO SCALE)

AIRPORT ROAD

PE8

PE8 (SET 5/8" REBAR W/ CAP)
N=860,035.816
E=852,819.868
EL=428.78

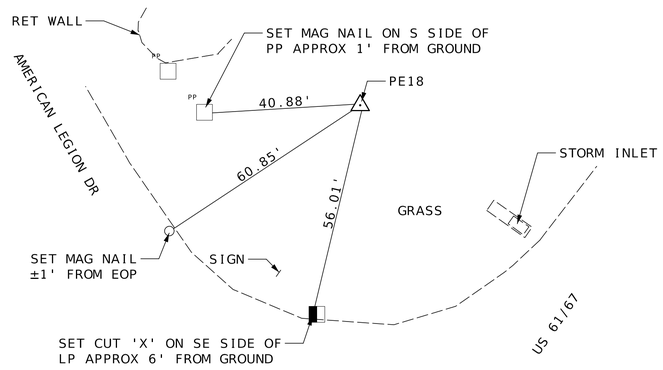
*TIES PULLED HORIZONTAL



(NOT TO SCALE)

AIRPORT ROAD

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_RP_592200_Airport Road_Phase2.dgn 2:46:39 PM 10/16/2024



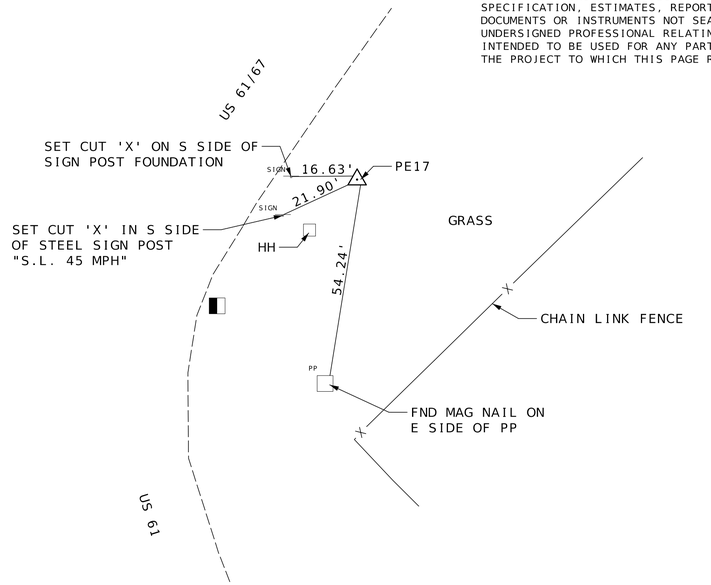
PE18

PE18 (SET 5/8" REBAR W/ CAP)
N=862,306.885
E=850,117.589
EL=435.24

*TIES PULLED HORIZONTAL

HWY US 61/67





PE17

PE17 (SET 5/8" REBAR W/ CAP)
N=862,135.895
E=850,225.591
EL=428.04

*±19' FROM EOP
*TIES PULLED HORIZONTAL

HWY US 61/67

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE: MO | SHEET NO.: 32

COUNTY
JEFFERSON

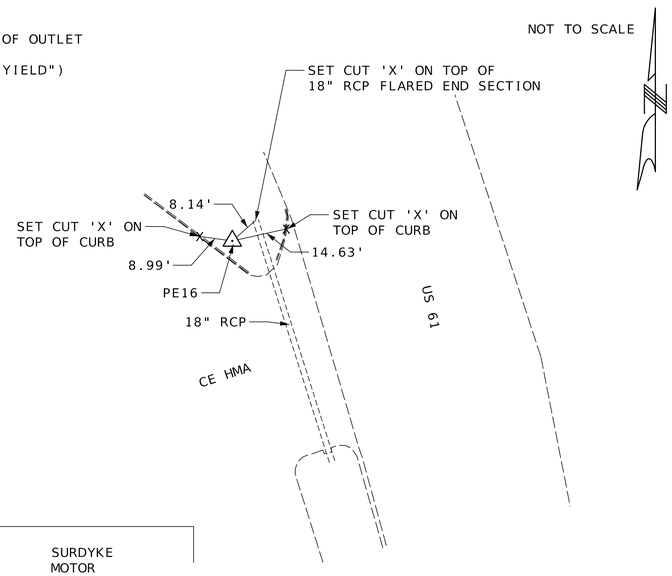
JOB NO.
SNS-0025

DESCRIPTION | DATE

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

BM14 (SET CUT BOX ON SE CORNER OF HEADWALL OF OUTLET OF 18" RCP RUNNING UNDER HWY 67. 10' SW OF HMA EOP. 28' SE OF SIGN POST "DO NOT ENTER/YIELD")
N=861,949
E=850,144
EL=424.75



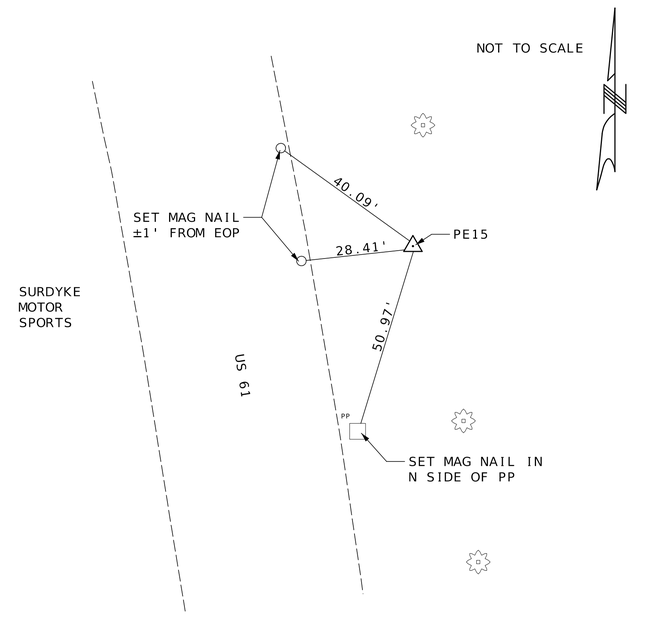


PE16

PE16 (SET 5/8" REBAR W/ CAP)
N=861,890.781
E=850,169.070
EL=422.23

*±225' SSW FROM CENTER OF
HWY 67 & HWY 61 INTERSECTION
*TIES PULLED HORIZONTAL

HWY US 61



PE15

PE15 (SET 5/8" REBAR W/ CAP)
N=861,613.119
E=850,331.810
EL=414.93

*±550' SOUTH FROM CENTER OF
INTERSECTION OF HWY 67 & HWY 61
*TIES PULLED HORIZONTAL

HWY US 61

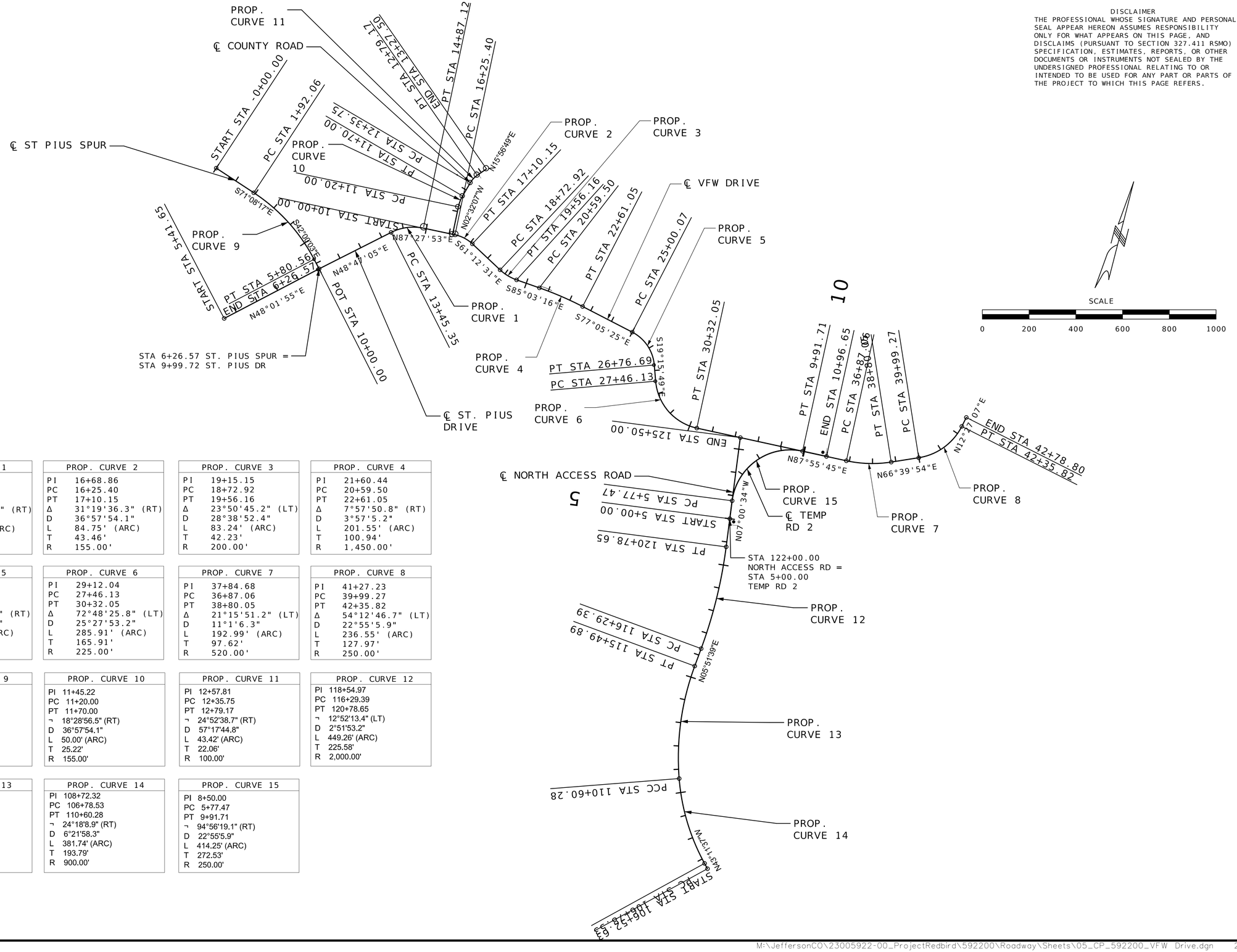
US 61/67 INTERSECTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

REFERENCE POINTS
SHEET 7 OF 7

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



PROP. CURVE 1	
PI	14+19.05
PC	13+45.35
PT	14+87.12
Δ	38°40'48.2" (RT)
D	27°17'1.3"
L	141.77' (ARC)
T	73.71'
R	210.00'

PROP. CURVE 2	
PI	16+68.86
PC	16+25.40
PT	17+10.15
Δ	31°19'36.3" (RT)
D	36°57'54.1"
L	84.75' (ARC)
T	43.46'
R	155.00'

PROP. CURVE 3	
PI	19+15.15
PC	18+72.92
PT	19+56.16
Δ	23°50'45.2" (LT)
D	28°38'52.4"
L	83.24' (ARC)
T	42.23'
R	200.00'

PROP. CURVE 4	
PI	21+60.44
PC	20+59.50
PT	22+61.05
Δ	7°57'50.8" (RT)
D	3°57'5.2"
L	201.55' (ARC)
T	100.94'
R	1,450.00'

PROP. CURVE 5	
PI	25+96.73
PC	25+00.07
PT	26+76.69
Δ	57°49'36.0" (RT)
D	32°44'25.6"
L	176.62' (ARC)
T	96.66'
R	175.00'

PROP. CURVE 6	
PI	29+12.04
PC	27+46.13
PT	30+32.05
Δ	72°48'25.8" (LT)
D	25°27'53.2"
L	285.91' (ARC)
T	165.91'
R	225.00'

PROP. CURVE 7	
PI	37+84.68
PC	36+87.06
PT	38+80.05
Δ	21°15'51.2" (LT)
D	11°1'6.3"
L	192.99' (ARC)
T	97.62'
R	520.00'

PROP. CURVE 8	
PI	41+27.23
PC	39+99.27
PT	42+35.82
Δ	54°12'46.7" (LT)
D	22°55'5.9"
L	236.55' (ARC)
T	127.97'
R	250.00'

PROP. CURVE 9	
PI	3+90.61
PC	1+92.06
PT	5+80.56
¬	29°8'14.2" (RT)
D	7°30'0.1"
L	388.50' (ARC)
T	198.55'
R	763.94'

PROP. CURVE 10	
PI	11+45.22
PC	11+20.00
PT	11+70.00
¬	18°28'56.5" (RT)
D	36°57'54.1"
L	50.00' (ARC)
T	25.22'
R	155.00'

PROP. CURVE 11	
PI	12+57.81
PC	12+35.75
PT	12+79.17
¬	24°52'38.7" (RT)
D	57°17'44.8"
L	43.42' (ARC)
T	22.06'
R	100.00'

PROP. CURVE 12	
PI	118+54.97
PC	116+29.39
PT	120+78.65
¬	12°52'13.4" (LT)
D	2°51'53.2"
L	449.26' (ARC)
T	225.58'
R	2,000.00'

PROP. CURVE 13	
PI	113+08.96
PC	110+60.28
PT	115+49.89
¬	24°45'7.2" (RT)
D	5°3'19.5"
L	489.61' (ARC)
T	248.69'
R	1,133.35'

PROP. CURVE 14	
PI	108+72.32
PC	106+78.53
PT	110+60.28
¬	24°18'8.9" (RT)
D	6°21'58.3"
L	381.74' (ARC)
T	193.79'
R	900.00'

PROP. CURVE 15	
PI	8+50.00
PC	5+77.47
PT	9+91.71
¬	94°56'19.1" (RT)
D	22°55'5.9"
L	414.25' (ARC)
T	272.53'
R	250.00'

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	33

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

GEOMETRY POINTS
SHEET 1 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

MODIFIED STATE PLANE COORDINATE SYSTEM
GRID FACTOR = 1.000081376
PROJECTION FACTOR = 0.999918624

STATION	LOCATION	NORTHING (ft)	EASTING (ft)	DESCRIPTION	DESIGN PT. ID
STA 10+00.00	COUNTY ROAD	862977.952	851654.368	P.O.B. STA 10+00.00 COUNTY ROAD	
STA 11+20.00	COUNTY ROAD	863097.835	851649.06	P.C. OF CURVE STA 11+20.00 COUNTY ROAD	
STA 11+45.22	COUNTY ROAD	863123.029	851647.944	H.P.I. OF CURVE STA 11+80.72 COUNTY ROAD	
STA 11+70.00	COUNTY ROAD	863147.278	851654.873	P.O.T. OF CURVE STA 13+28.51 COUNTY ROAD	
STA 12+35.75	COUNTY ROAD	863210.499	851672.938	P.C. OF CURVE STA 12+35.75 COUNTY ROAD	
STA 12+57.81	COUNTY ROAD	863231.708	851678.999	H.P.I. OF CURVE STA 12+57.81 COUNTY ROAD	
STA 12+79.17	COUNTY ROAD	863248.399	851693.418	P.O.T. OF CURVE STA 12+79.17 COUNTY ROAD	
STA 13+27.50	COUNTY ROAD	863284.968	851725.011	P.O.E. OF CURVE STA 13+27.50 COUNTY ROAD	

STATION	LOCATION	NORTHING (ft)	EASTING (ft)	DESCRIPTION	DESIGN PT. ID
0+00.00	ST PIUS SPUR	863000.757	850604.268	P.O.B. STA 0+00 ST PIUS SPUR	
1+92.06	ST PIUS SPUR	862938.667	850786.014	P.C. OF CURVE STA 1+92.06 ST PIUS SPUR	
5+80.56	ST PIUS SPUR	862726.933	851106.752	P.O.T. OF CURVE STA 5+80.56 ST PIUS SPUR	
6+26.57	ST PIUS SPUR	862692.739	851137.542	P.O.E. STA 6+26.57 ST PIUS SPUR	

STATION	LOCATION	NORTHING (ft)	EASTING (ft)	DESCRIPTION	DESIGN PT. ID
106+52.63 R1	NORTH ACCESS ROAD	860619.939	853384.917	P.O.B. STA 112+14.22 NORTH ACCESS ROAD	
106+78.53 R1	NORTH ACCESS ROAD	860638.822	853367.188	P.C. OF CURVE STA 106+78.53 NORTH ACCESS ROAD	
108+72.32 R1	NORTH ACCESS ROAD	860780.101	853234.549	H.P.I. STA 108+72.32 NORTH ACCESS ROAD	
110+60.28 R1	NORTH ACCESS ROAD	860963.448	853171.807	P.C.C. OF CURVE STA 110.60.28 NORTH ACCESS ROAD	
113+08.96 R1	NORTH ACCESS ROAD	861198.738	853091.29	H.P.I. STA 116+12.84 NORTH ACCESS ROAD	
115+49.89 R1	NORTH ACCESS ROAD	861446.124	853116.685	P.O.T. OF CURVE STA 115+49.89 NORTH ACCESS ROAD	
116+29.39 R1	NORTH ACCESS ROAD	861525.208	853124.803	P.O.C. STA 116+29.39 NORTH ACCESS ROAD	
118+54.97 R1	NORTH ACCESS ROAD	861749.609	853147.838	H.P.I. OF CURVE STA 118+54.97 NORTH ACCESS ROAD	
120+78.65 R1	NORTH ACCESS ROAD	861973.503	853120.31	P.O.T. STA 120+78.65 NORTH ACCESS ROAD	
125+50.00 R1	NORTH ACCESS ROAD	862441.33	853062.789	P.O.E. STA 125+50.00 NORTH ACCESS ROAD	

STATION	LOCATION	NORTHING (ft)	EASTING (ft)	DESCRIPTION	DESIGN PT. ID
STA 5+41.65	VFW DRIVE	862386.42	850796.957	P.O.B. STA 5+41.65 VFW DRIVE	
STA 10+00.00	VFW DRIVE	862692.923	851137.745	P.I. OF CURVE STA 10+00.00 VFW DRIVE	
STA 13+45.35	VFW DRIVE	862920.471	851397.531	P.C. OF CURVE STA 13+45.35 VFW DRIVE	
STA 14+87.12	VFW DRIVE	862972.295	851526.609	P.O.T. STA 14+87.12 VFW DRIVE	
STA 16+25.40	VFW DRIVE	862978.412	851664.761	P.C. OF CURVE STA 16+25.40 VFW DRIVE	
STA 17+10.15	VFW DRIVE	862959.403	851746.269	P.O.T. STA 17+10.15 VFW DRIVE	
STA 18+72.92	VFW DRIVE	862881.007	851888.921	P.C. OF CURVE STA 18+72.92 VFW DRIVE	
STA 19+56.16	VFW DRIVE	862857.027	851968.004	P.O.T. STA 19+56.16 VFW DRIVE	
STA 20+59.50	VFW DRIVE	862848.119	852070.956	P.C. OF CURVE STA 20+59.50 VFW DRIVE	
STA 22+61.05	VFW DRIVE	862816.866	852269.904	P.O.T. STA 22+61.05 VFW DRIVE	
STA 25+00.07	VFW DRIVE	862763.465	852502.882	P.C. OF CURVE STA 25+00.07 VFW DRIVE	
STA 26+76.69	VFW DRIVE	862650.624	852628.987	P.O.T. STA 26+76.69 VFW DRIVE	
STA 27+46.13	VFW DRIVE	862585.069	852651.897	P.C. OF CURVE STA 27+46.13 VFW DRIVE	
STA 30+32.05	VFW DRIVE	862434.447	852872.429	P.O.T. STA 30+32.05 VFW DRIVE	
STA 36+87.06	VFW DRIVE	862458.116	853527.017	P.C. OF CURVE STA 36+87.06 VFW DRIVE	
STA 38+80.05	VFW DRIVE	862500.31	853714.203	P.O.T. STA 38+80.05 VFW DRIVE	
STA 39+99.27	VFW DRIVE	862547.533	853823.668	P.C. OF CURVE STA 39+99.27 VFW DRIVE	
STA 42+35.82	VFW DRIVE	862723.178	853968.761	P.O.T. STA 42+35.82 VFW DRIVE	
STA 42+78.80	VFW DRIVE	862765.152	853978.029	P.O.E. STA 42+78.80 VFW DRIVE	

STATION	LOCATION	NORTHING (ft)	EASTING (ft)	DESCRIPTION	DESIGN PT. ID
STA 5+00.00	TEMP ROAD 2	862093.946	853105.501	P.O.B. STA 5+00.00 TEMP ROAD 2	
STA 5+77.47	TEMP ROAD 2	862170.833	853096.047	P.C. OF CURVE STA 5+77.47 TEMP ROAD 2	
STA 8+50.00	TEMP ROAD 2	862441.33	853062.789	H.P.I. OF CURVE STA 8+50.00 TEMP ROAD 2	
STA 9+91.71	TEMP ROAD 2	862451.178	853335.145	P.O.T. OF CURVE STA 9+91.71 TEMP ROAD 2	
STA 10+96.65	TEMP ROAD 2	862454.97	853440.012	P.O.E. OF CURVE STA 10+96.65 TEMP ROAD 2	

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 34

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 63500
ENGINEERING CORPORATION - 000631

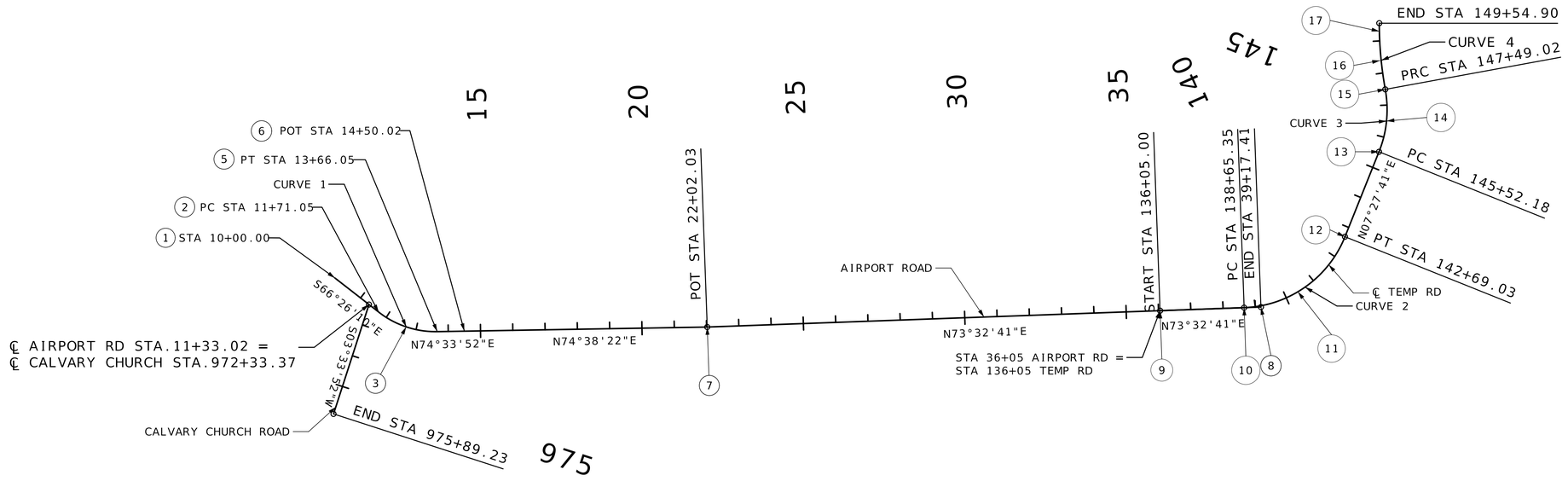
GEOMETRY POINTS
SHEET 2 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

MODIFIED STATE PLANE COORDINATE SYSTEM
GRID FACTOR = 1.000081376
PROJECTION FACTOR = 0.999918624

STATION	LOCATION	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
10+00.00	AIRPORT ROAD	859481.877	850210.689	P.O.B. STA 10+00.00 AIRPORT ROAD	1
11+71.05	AIRPORT ROAD	859413.496	850367.476	P.C. OF CURVE STA 11+71.05 AIRPORT ROAD	2
12+72.50	AIRPORT ROAD	859372.941	850460.463	P.I. OF CURVE STA 12+72.50 AIRPORT ROAD	3
	AIRPORT ROAD	859676.088	850482.002	C.C. OF CURVE AIRPORT ROAD	4
13+66.05	AIRPORT ROAD	859399.941	850558.250	P.T. OF CURVE STA 13+66.05 AIRPORT ROAD	5
14+50.02	AIRPORT ROAD	859422.290	850639.191	P.O.T. STA 14+50.02 AIRPORT ROAD	6
22+02.03	AIRPORT ROAD	859621.492	851364.337	P.O.T. STA 22+02.03 AIRPORT ROAD	7
39+17.41	AIRPORT ROAD	860107.401	853009.456	P.O.E. STA 39+17.41 AIRPORT ROAD	8

STATION	LOCATION	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
STA 136+05	TEMP ROAD 1	860018.906	852709.844	P.O.B. STA 136+05 TEMP ROAD 1	9
STA 138+65	TEMP ROAD 1	860092.655	852959.531	P.C. OF CURVE STA 138+65.35 TEMP ROAD 1	10
STA 140+93	TEMP ROAD 1	860157.142	853177.862	H.P.I. OF CURVE STA 140+93.01 TEMP ROAD 1	11
STA 142+69	TEMP ROAD 1	860382.869	853207.425	P.O.T. OF CURVE STA 142+69.03 TEMP ROAD 1	12
STA 145+52	TEMP ROAD 1	860663.618	853244.193	P.C. OF CURVE STA 145+52.18 TEMP ROAD 1	13
STA 146+53	TEMP ROAD 1	860763.865	853257.322	H.P.I. OF CURVE STA 146+53.28 TEMP ROAD 1	14
STA 147+49	TEMP ROAD 1	860855.671	853214.974	P.R.C. OF CURVE STA 147+49.02 TEMP ROAD 1	15
STA 148+52	TEMP ROAD 1	860949.4	853171.738	H.P.I.. OF CURVE STA 148+52.25 TEMP ROAD 1	16
STA 149+54	TEMP ROAD 1	861049.398	853146.146	P.O.T. OF CURVE STA 149+54.90 TEMP ROAD 1	17



AIRPORT RD

PROP. CURVE 1	
PI	12+72.50
PC	11+71.05
PT	13+66.05
Δ	38°59'58.1" (LT)
D	19°59'59.7"
L	195.00' (ARC)
T	101.45'
R	286.48'

TEMP RD

PROP. CURVE 2	
PI	140+93.01
PC	138+65.35
PT	142+69.03
Δ	66°5'0.4" (LT)
D	16°22'12.8"
L	403.68' (ARC)
T	227.66'
R	350.00'

TEMP RD

PROP. CURVE 3	
PI	146+53.28
PC	145+52.18
PT	147+49.02
Δ	32°13'27.5" (LT)
D	16°22'12.8"
L	196.85' (ARC)
T	101.10'
R	350.00'

TEMP RD

PROP. CURVE 4	
PI	148+52.25
PC	147+49.02
PT	149+54.90
Δ	10°24'28.1" (RT)
D	5°3'19.5"
L	205.87' (ARC)
T	103.22'
R	1,133.35'

SCALE
0 200 400 600 800 1000

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	35

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63146-3500
ENGINEERING CORPORATION - 000631

GEOMETRY POINTS
SHEET 3 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_CP_592200_Airport Road_Phase2.dgn 2:47:15 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY CHURCH RD PROP. CURVE 1	
PI	989+01.54
PC	981+20.33
PT	996+80.33
Δ	7°48'0.0" (LT)
D	0°30'0.0"
L	1,560.00' (ARC)
T	781.21'
R	11,459.15'

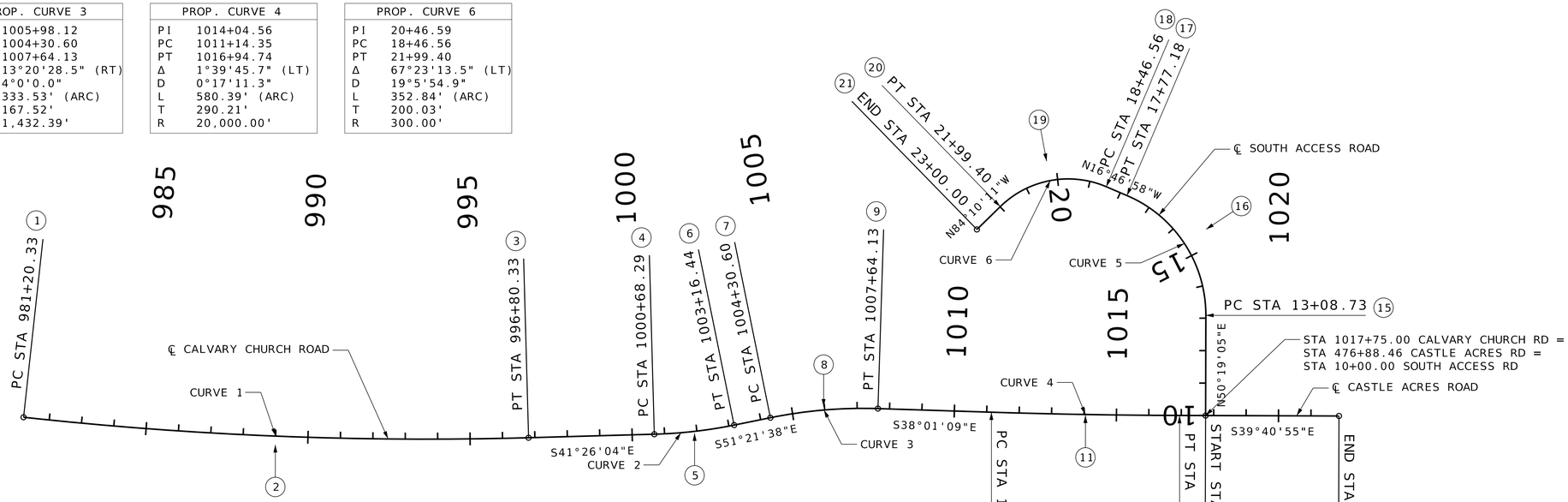
CALVARY CHURCH RD PROP. CURVE 2	
PI	1001+92.68
PC	1000+68.29
PT	1003+16.44
Δ	9°55'33.7" (LT)
D	4°0'0.0"
L	248.15' (ARC)
T	124.39'
R	1,432.39'

SOUTH ACCESS RD PROP. CURVE 5	
PI	15+73.99
PC	13+08.73
PT	17+77.18
Δ	67°6'2.5" (LT)
D	14°19'26.2"
L	468.45' (ARC)
T	265.26'
R	400.00'

CALVARY CHURCH RD PROP. CURVE 3	
PI	1005+98.12
PC	1004+30.60
PT	1007+64.13
Δ	13°20'28.5" (RT)
D	4°0'0.0"
L	333.53' (ARC)
T	167.52'
R	1,432.39'

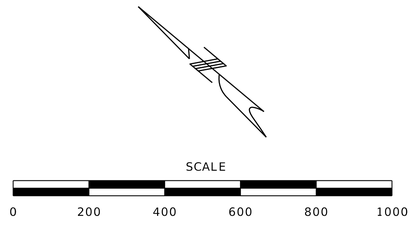
CALVARY CHURCH RD PROP. CURVE 4	
PI	1014+04.56
PC	1011+14.35
PT	1016+94.74
Δ	1°39'45.7" (LT)
D	0°17'11.3"
L	580.39' (ARC)
T	290.21'
R	20,000.00'

SOUTH ACCESS RD PROP. CURVE 6	
PI	20+46.59
PC	18+46.56
PT	21+99.40
Δ	67°23'13.5" (LT)
D	19°5'54.9"
L	352.84' (ARC)
T	200.03'
R	300.00'



MODIFIED STATE PLANE COORDINATE SYSTEM
GRID FACTOR = 1.000081376
PROJECTION FACTOR = 0.999918624

STATION	LOCATION	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
981+20.33	CALVARY CHURCH RD	858578.911	850484.615	P.C. OF CURVE STA 981+20.33 CALVARY CHURCH RD	1
989+01.54	CALVARY CHURCH RD	857928.488	850917.320	P.I. OF CURVE STA 989+01.54 CALVARY CHURCH RD	2
996+80.33	CALVARY CHURCH RD	857342.807	851434.294	P.T. OF CURVE STA 996+80.33 CALVARY CHURCH RD	3
1000+68.29	CALVARY CHURCH RD	857051.948	851691.032	P.C. OF CURVE STA 1000+68.29 CALVARY CHURCH RD	4
1001+92.68	CALVARY CHURCH RD	856958.694	851773.346	P.I. OF CURVE STA 1001+92.68 CALVARY CHURCH RD	5
1003+16.44	CALVARY CHURCH RD	856881.025	851870.503	P.T. OF CURVE STA 1003+16.44 CALVARY CHURCH RD	6
1004+30.60	CALVARY CHURCH RD	856809.742	851959.673	P.C. OF CURVE STA 1004+30.60 CALVARY CHURCH RD	7
1005+98.12	CALVARY CHURCH RD	856705.138	852090.523	P.I. OF CURVE STA 1005+98.12 CALVARY CHURCH RD	8
1007+64.13	CALVARY CHURCH RD	856573.163	852193.704	P.T. OF CURVE STA 1007+64.13 CALVARY CHURCH RD	9
1011+14.35	CALVARY CHURCH RD	856297.260	852409.413	P.C. OF CURVE STA 1011+14.35 CALVARY CHURCH RD	10
1014+04.56	CALVARY CHURCH RD	856068.628	852588.164	P.I. OF CURVE STA 1014+04.56 CALVARY CHURCH RD	11
1016+94.74	CALVARY CHURCH RD	855845.279	852773.473	P.T. OF CURVE STA 1016+94.74 CALVARY CHURCH RD	12
498+57.25	CASTLE ACRES RD	855466.785	853087.503	P.O.E. STA 498+57.25 CASTLE ACRES RD	13
10+00.00	SOUTH ACCESS RD	855783.508	852824.724	P.O.B. STA 10+00.00 SOUTH ACCESS RD	14
13+08.73	SOUTH ACCESS RD	855980.639	853062.321	P.C. OF CURVE STA 13+08.73 SOUTH ACCESS RD	15
15+73.99	SOUTH ACCESS RD	856150.014	853266.465	P.I. OF CURVE STA 15+73.99 SOUTH ACCESS RD	16
17+77.18	SOUTH ACCESS RD	856403.976	853189.874	P.T. OF CURVE STA 17+77.18 SOUTH ACCESS RD	17
18+46.56	SOUTH ACCESS RD	856470.400	853169.841	P.C. OF CURVE STA 18+46.56 SOUTH ACCESS RD	18
20+46.59	SOUTH ACCESS RD	856661.906	853112.085	P.I. OF CURVE STA 20+46.59 SOUTH ACCESS RD	19
21+99.40	SOUTH ACCESS RD	856682.226	852913.093	P.T. OF CURVE STA 21+99.40 SOUTH ACCESS RD	20
23+00.00	SOUTH ACCESS RD	856692.445	852813.011	P.O.E. STA 23+00.00 SOUTH ACCESS RD	21



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	36

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

GEOMETRY POINTS
SHEET 4 OF 5

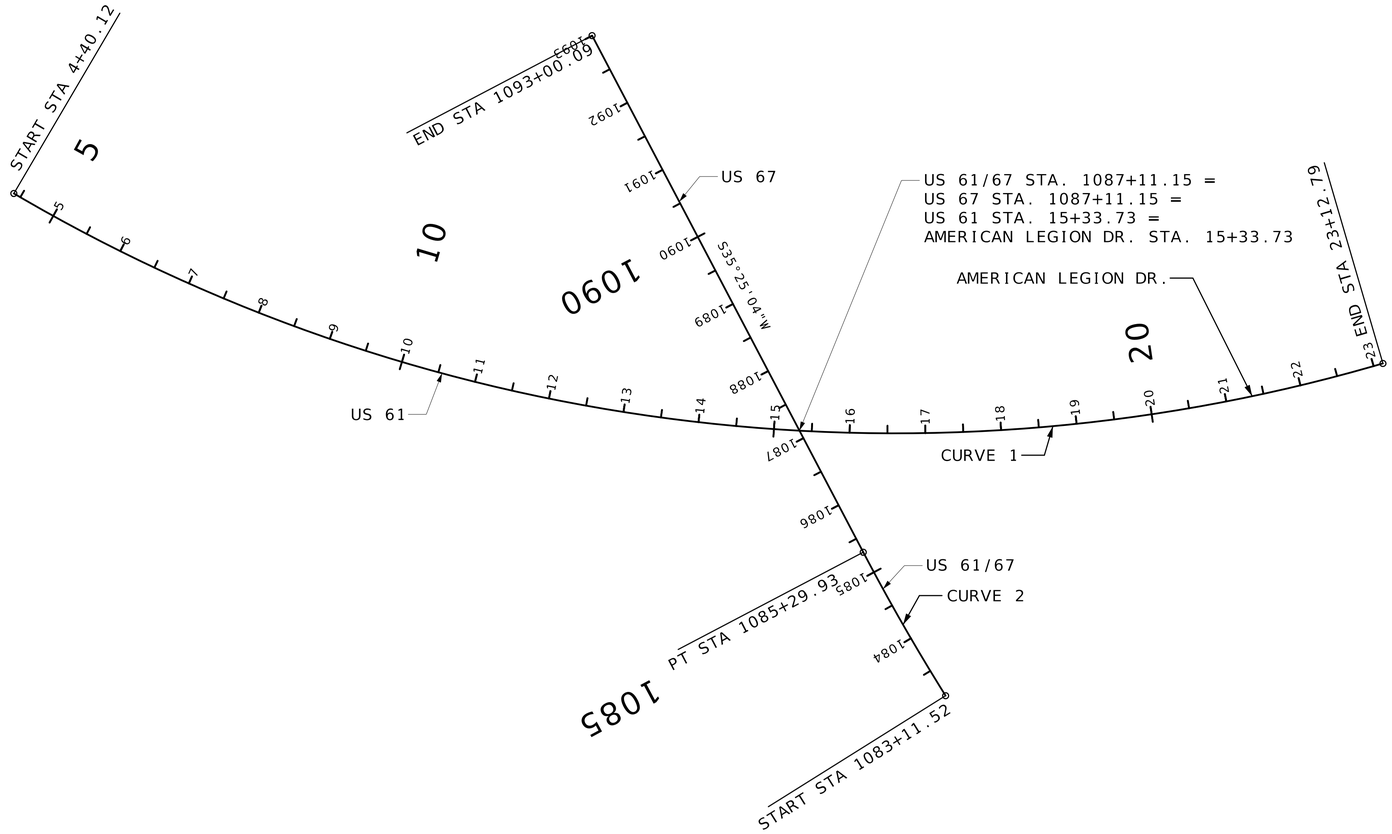
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500

CURVE 1	
PI	14+32.08
PC	4+40.12
PT	23+12.79
Δ	46°44'18.2" (LT)
D	2°29'44.9"
L	1,872.67' (ARC)
T	991.96'
R	2,295.67'

CURVE 2	
PI	1084+20.78
PC	1083+11.52
PT	1085+29.93
Δ	4°22'4.6" (RT)
D	1°59'59.6"
L	218.41' (ARC)
T	109.26'
R	2,864.93'



STATION	LOCATION	NORTHING (FT)	EASTING (FT)	DESCRIPTION
STA. 4+40.12	US 61	861050.663	850311.434	P.O.B. OF CURVE STA. 4+40.12 US 61
STA. 14+32.08	US 61	861193.352	848020.199	H.P.I. OF CURVE STA. 14+32.08 US 61
STA. 23+12.79	US 61	862764.114	849694.363	P.O.E. OF CURVE STA. 23+12.79 US 61

STATION	LOCATION	NORTHING (FT)	EASTING (FT)	DESCRIPTION
1083+11.52	US 67	862447.499	850346.545	P.O.B. OF CURVE STA. 1083+11.52 US 67
1084+20.78	US 67	863926.323	847892.792	H.P.I. OF CURVE STA. 1084+20.78 US 67
1085+29.93	US 67	862264.913	850226.789	P.O.T. OF CURVE STA. 1085+29.93 US 67
1093+00.09	US 67	861637.343	849780.506	P.O.E. STA. 1093+00.09 US 67

MODIFIED STATE PLANE COORDINATE SYSTEM
GRID FACTOR = 1.000081376
PROJECTION FACTOR = 0.999918624

US 61/67 INTERSECTION

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 37

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

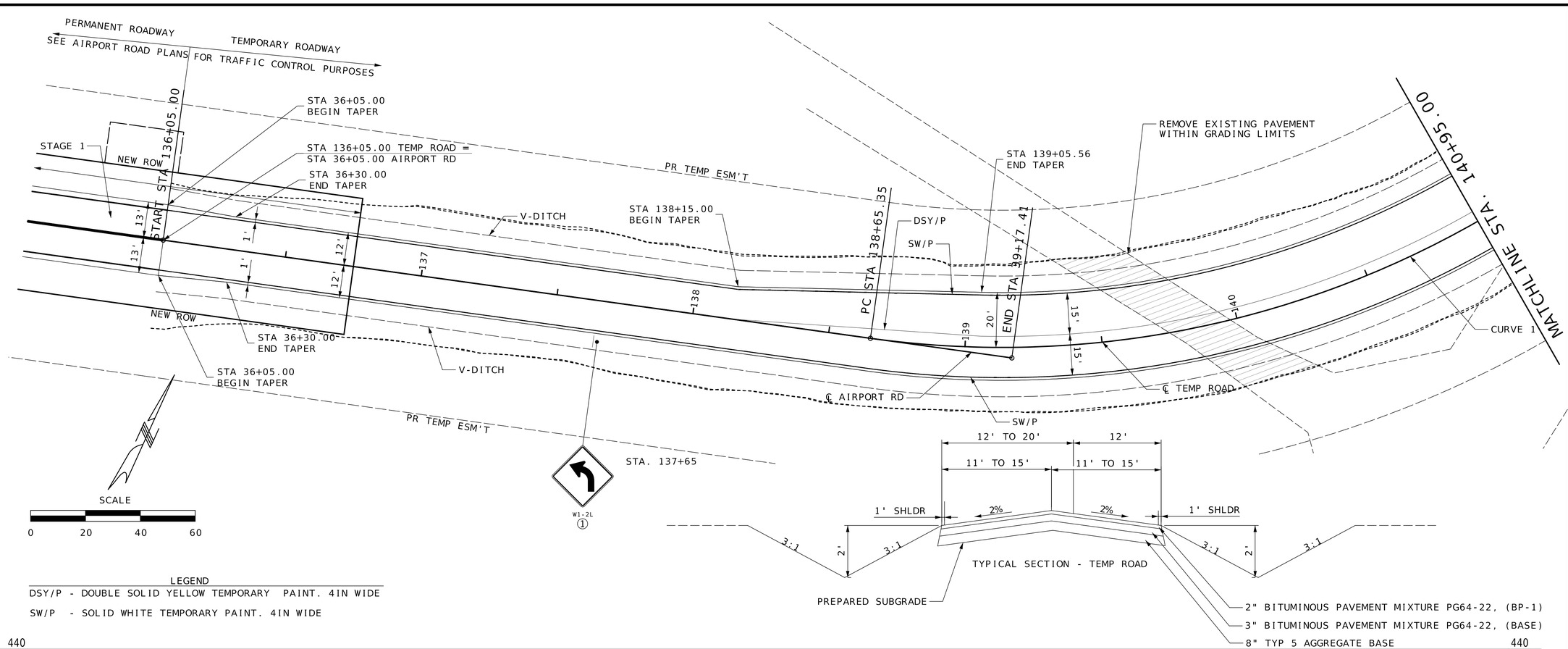
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

GEOMETRY POINTS
SHEET 5 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

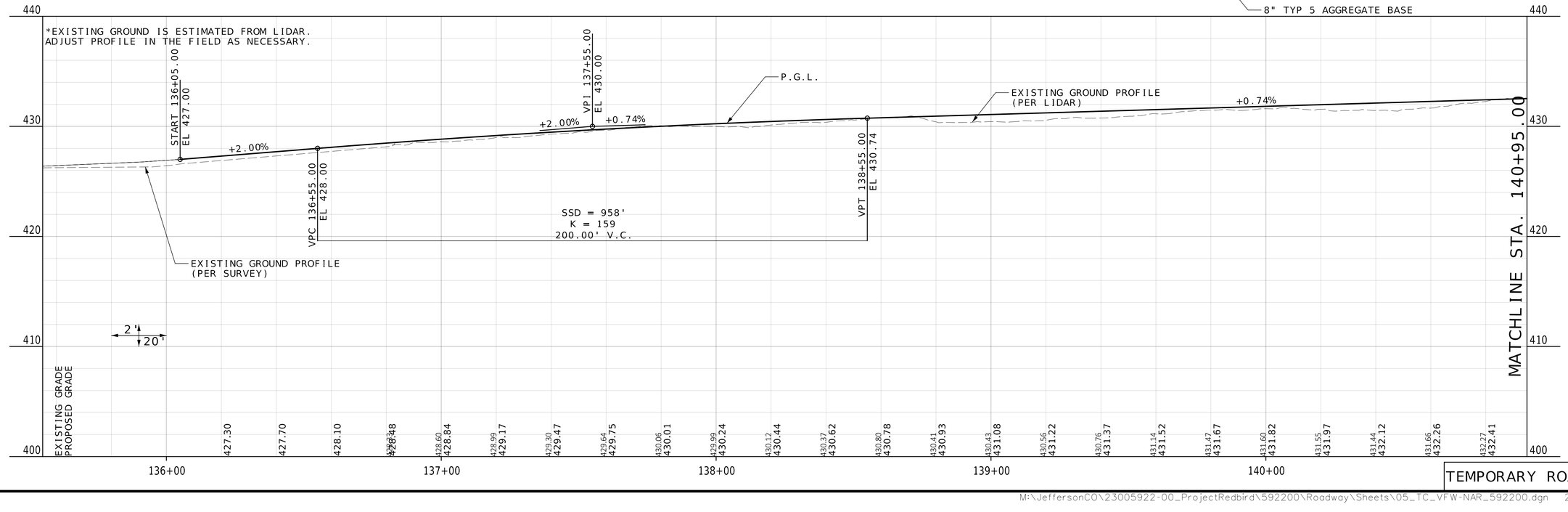
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_CP_592200_61_67.dgn 11:35:35 AM 10/16/2024



LEGEND

DSY/P - DOUBLE SOLID YELLOW TEMPORARY PAINT. 4IN WIDE

SW/P - SOLID WHITE TEMPORARY PAINT. 4IN WIDE



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 38

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

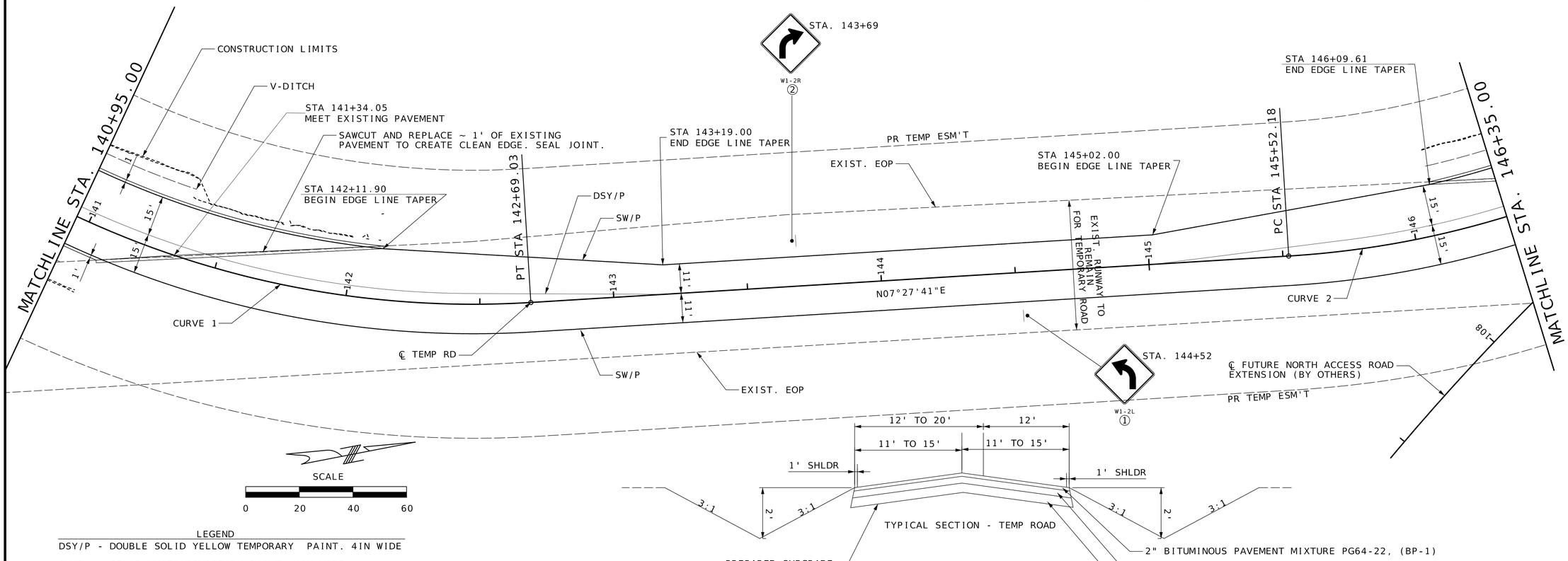
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 1 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

TRAFFIC CONTROL STAGE 1



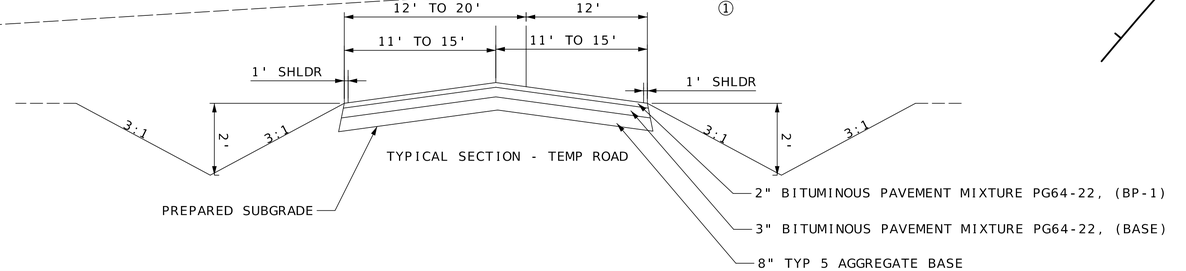
SCALE

0 20 40 60

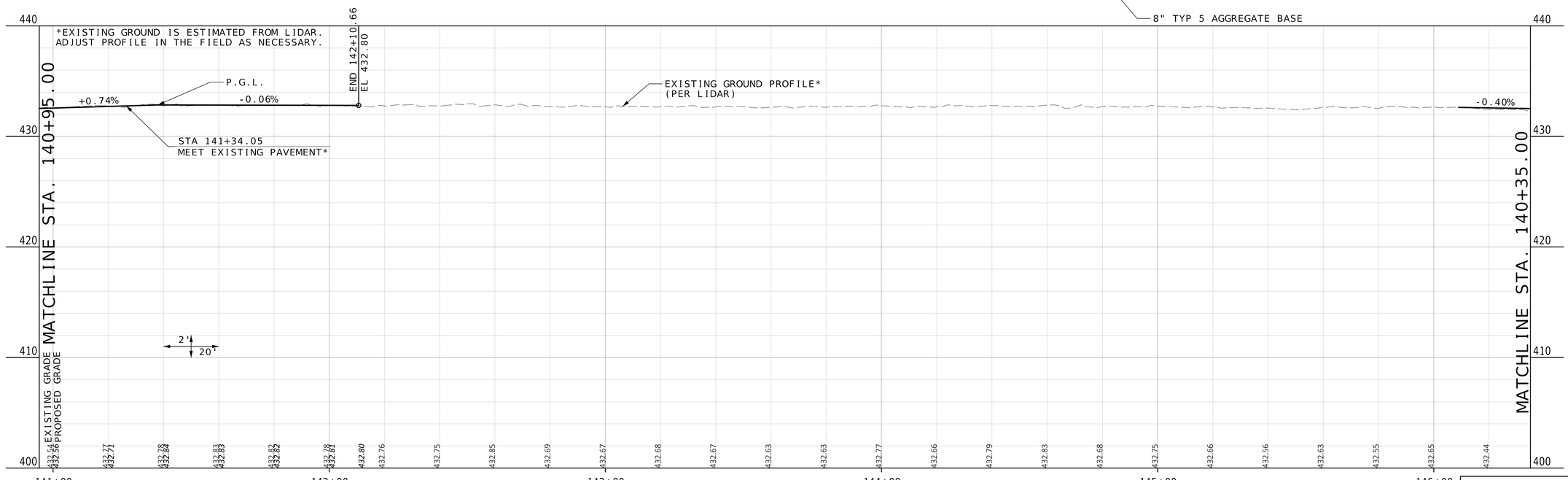
LEGEND

DSY/P - DOUBLE SOLID YELLOW TEMPORARY PAINT. 4IN WIDE

SW/P - SOLID WHITE TEMPORARY PAINT. 4IN WIDE



TYPICAL SECTION - TEMP ROAD



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 39

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655.3500
ENGINEERING CORPORATION - 000631

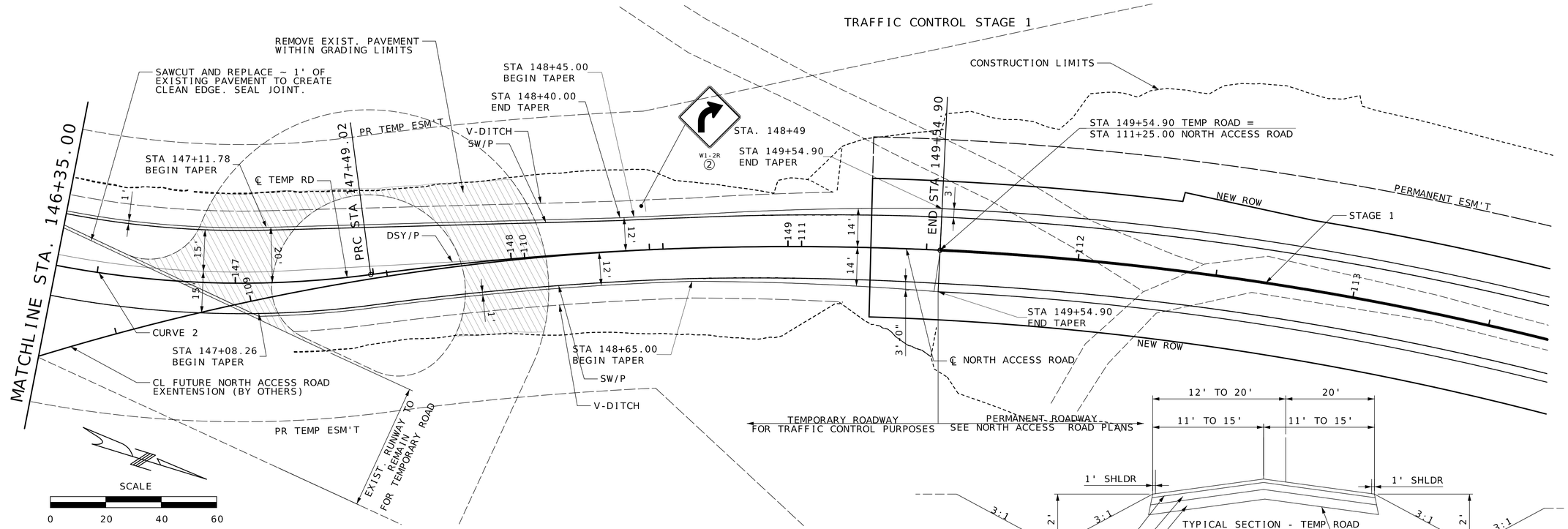
©Copyright CMT Inc

TRAFFIC CONTROL
SHEET 2 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

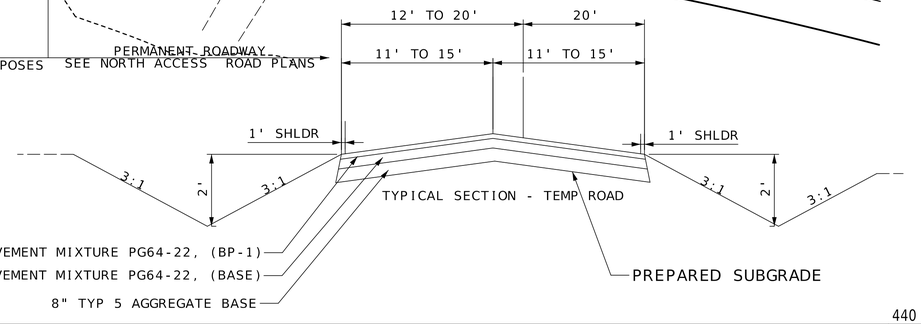
TRAFFIC CONTROL STAGE 1

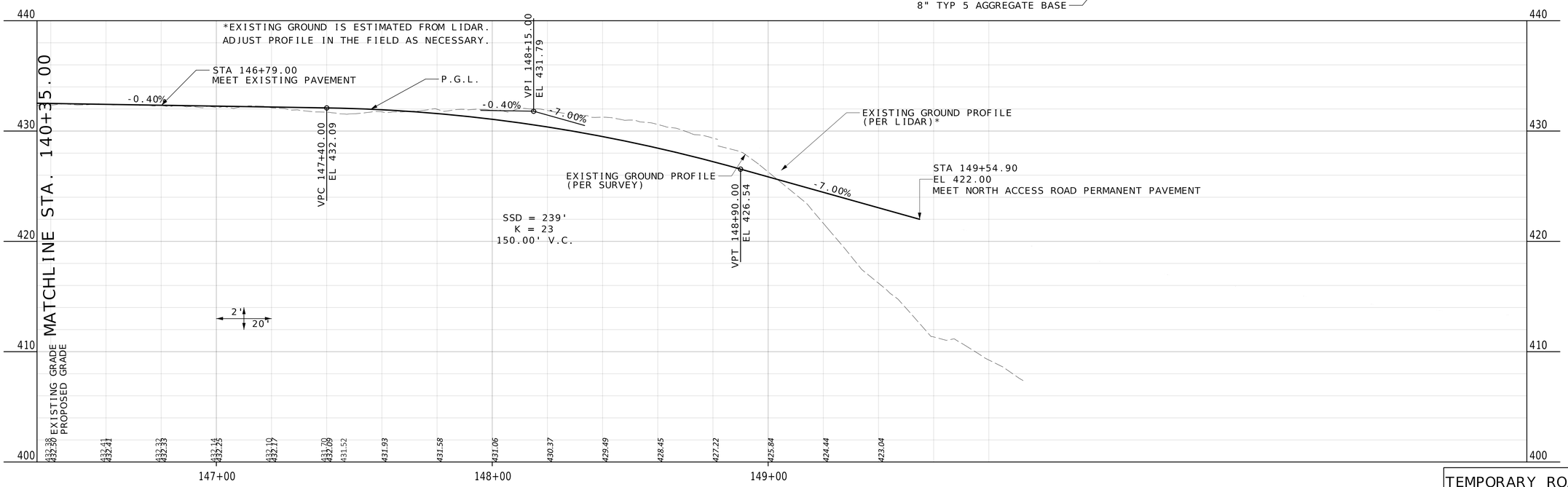


LEGEND

DSY/P - DOUBLE SOLID YELLOW TEMPORARY PAINT. 4IN WIDE

SW/P - SOLID WHITE TEMPORARY PAINT. 4IN WIDE





TEMPORARY ROAD

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024

STATE MO | SHEET NO. 40

COUNTY JEFFERSON

JOB NO. SNS-0025

DESCRIPTION | DATE

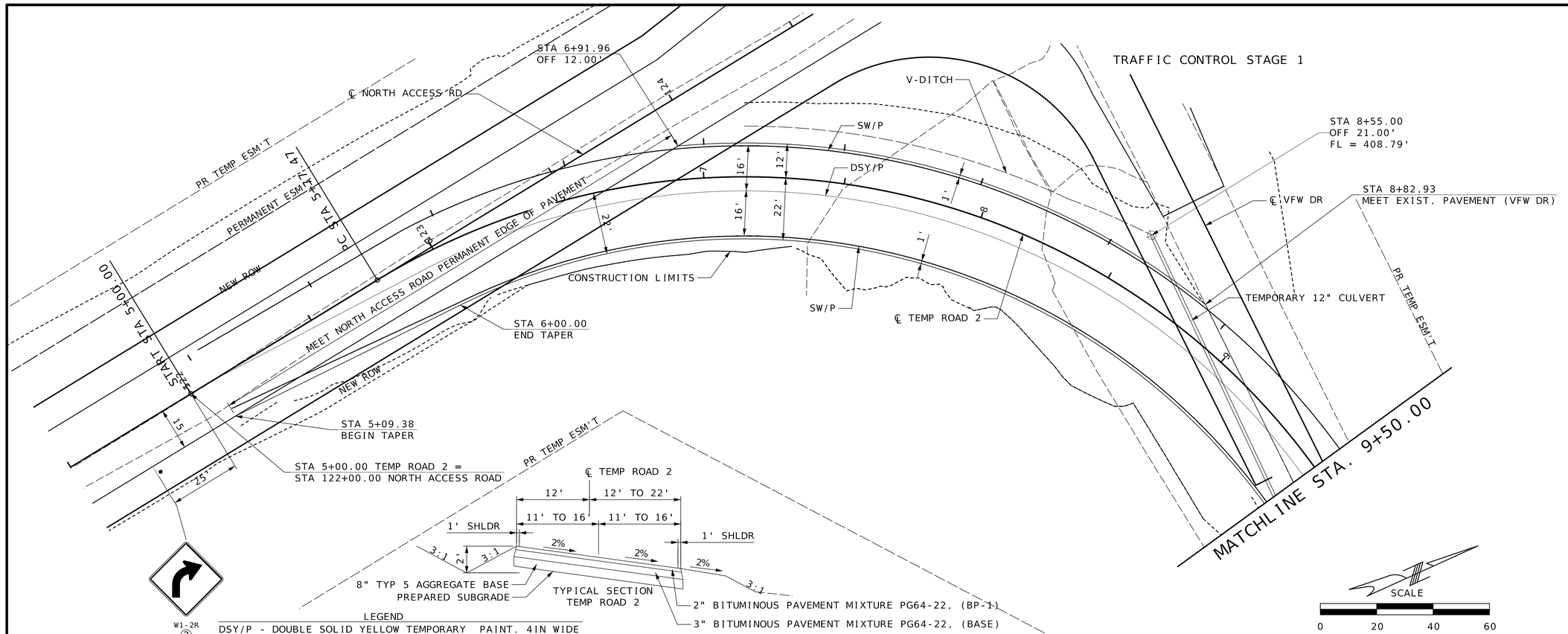
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 3 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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



TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	41

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

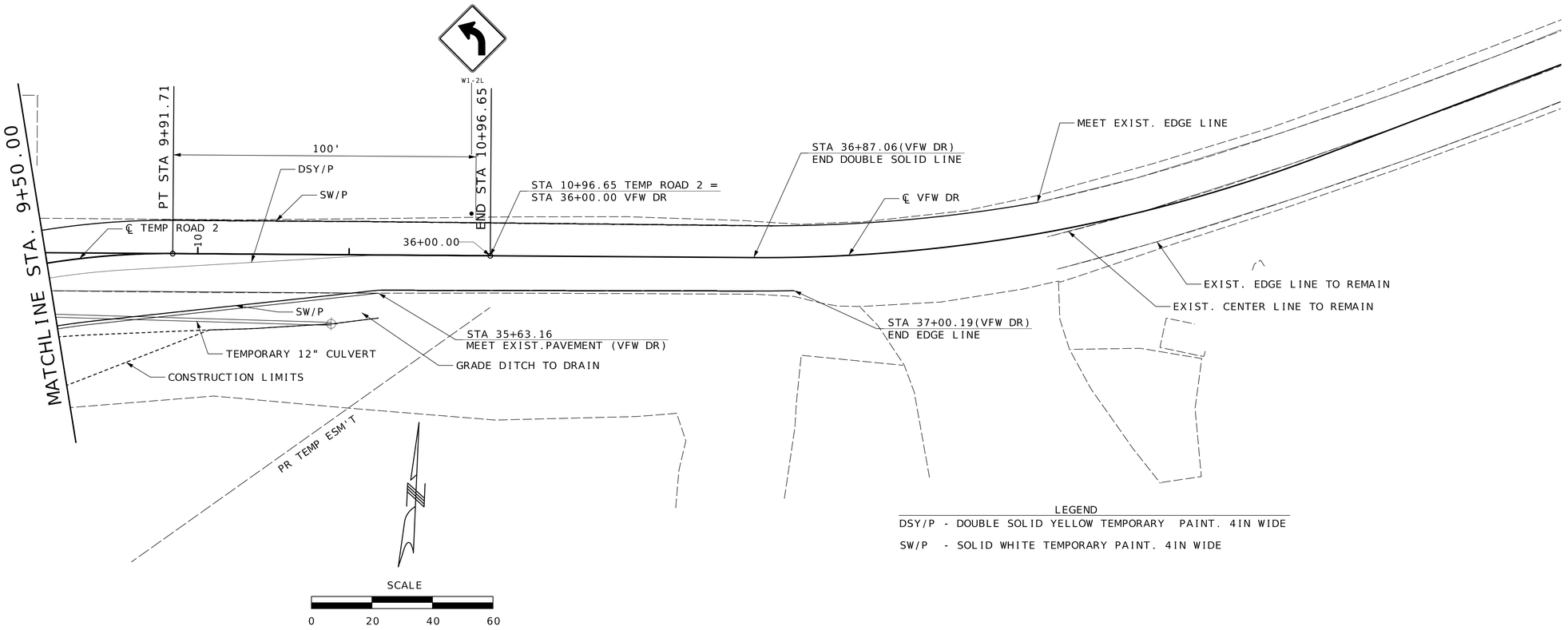
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 4 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

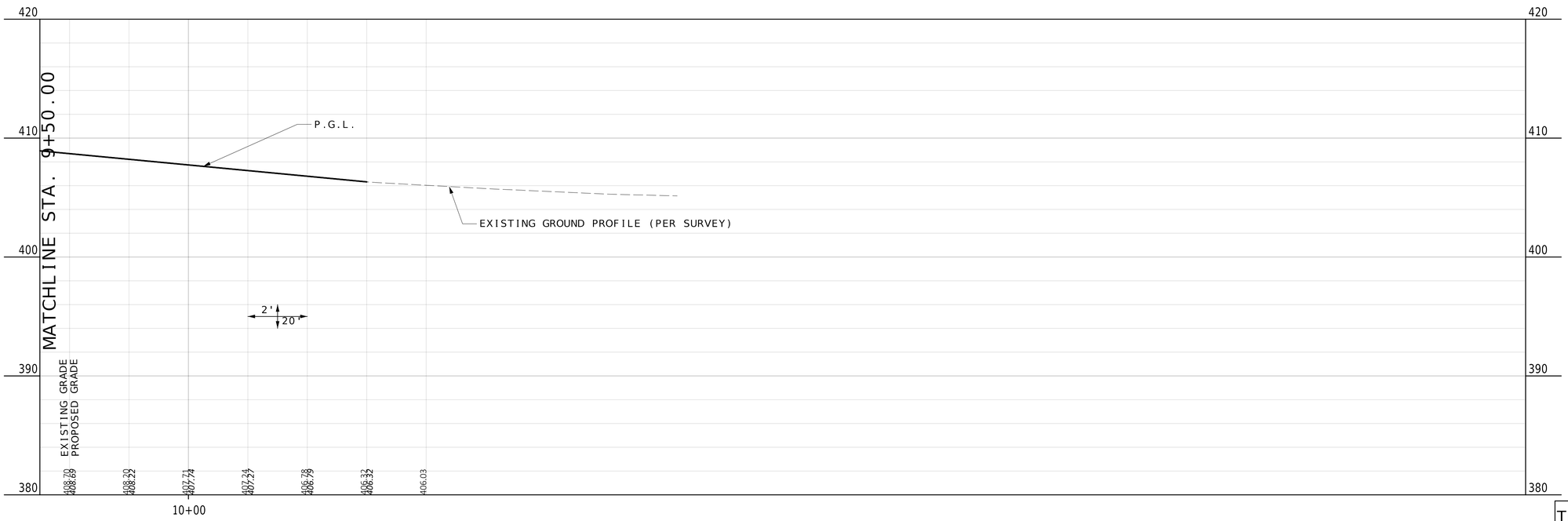
TRAFFIC CONTROL STAGE 1



LEGEND

DSY/P - DOUBLE SOLID YELLOW TEMPORARY PAINT. 4IN WIDE

SW/P - SOLID WHITE TEMPORARY PAINT. 4IN WIDE



TEMPORARY ROAD

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI

10/21/2024

DATE PREPARED 10/16/2024

STATE MO | SHEET NO. 42

COUNTY JEFFERSON

JOB NO. SNS-0025

DESCRIPTION | DATE

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

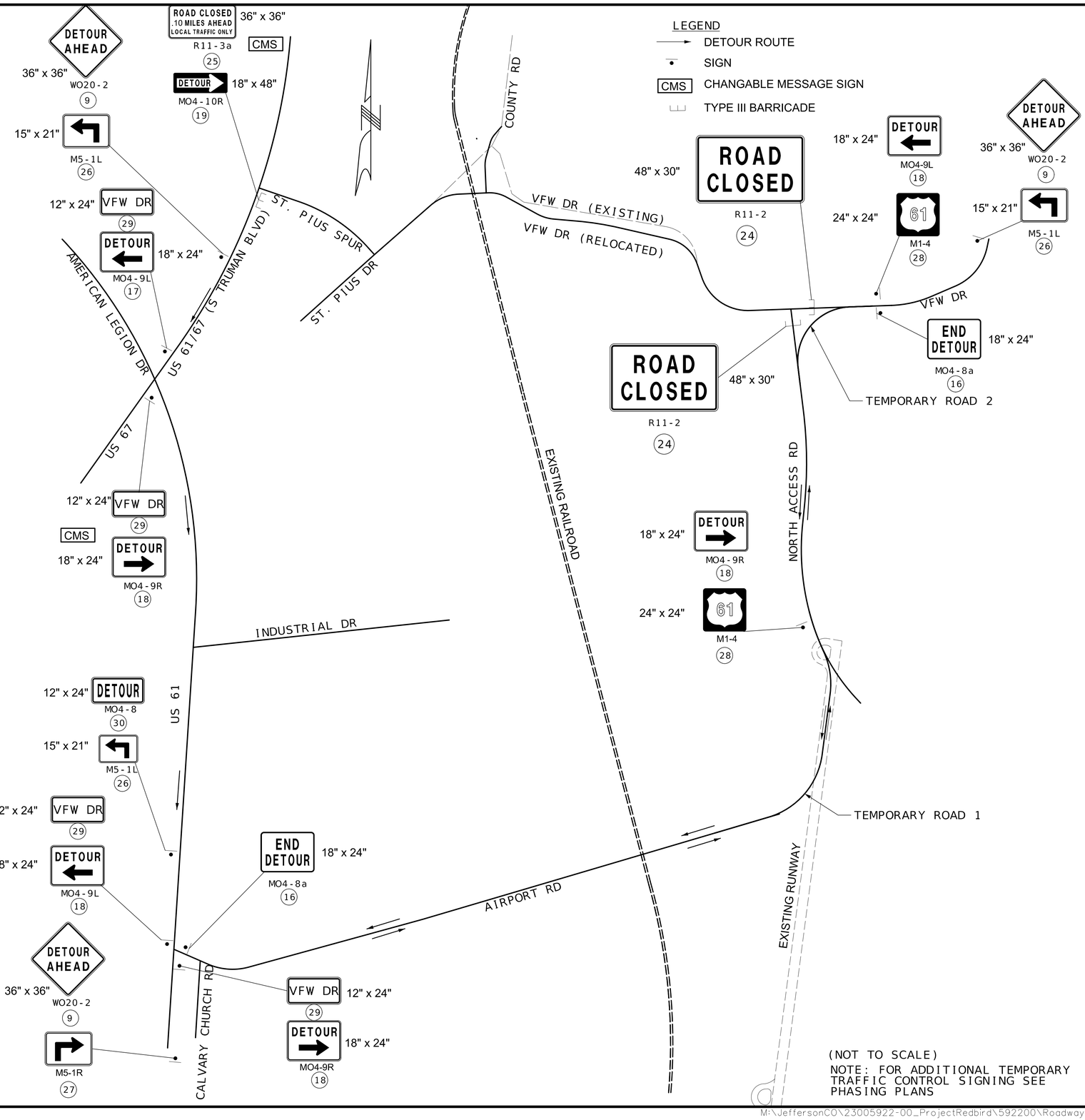
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043-3500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 5 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_TC_VFW-NAR_592200.dgn 2:49:38 PM 10/16/2024



(NOT TO SCALE)

NOTE: FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL SIGNING SEE PHASING PLANS

DETOUR PLAN

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED: 10/16/2024
STATE: MO
SHEET NO.: 43
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

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

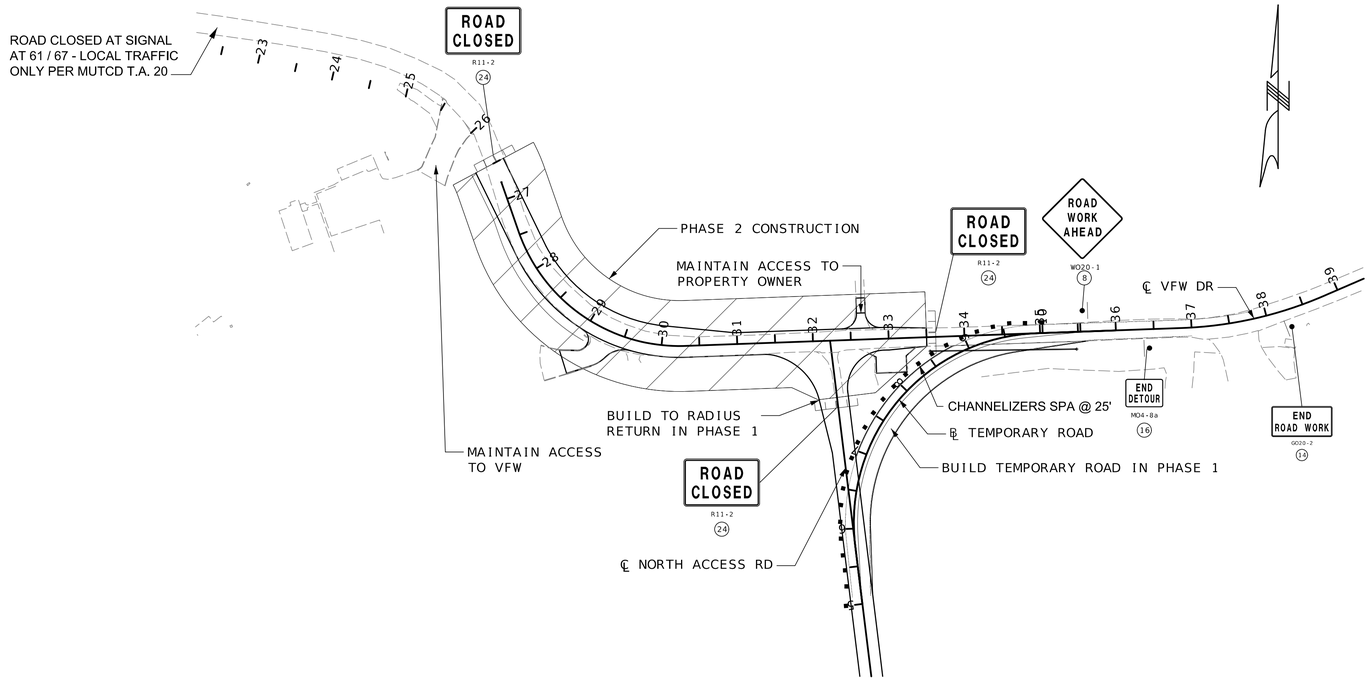
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

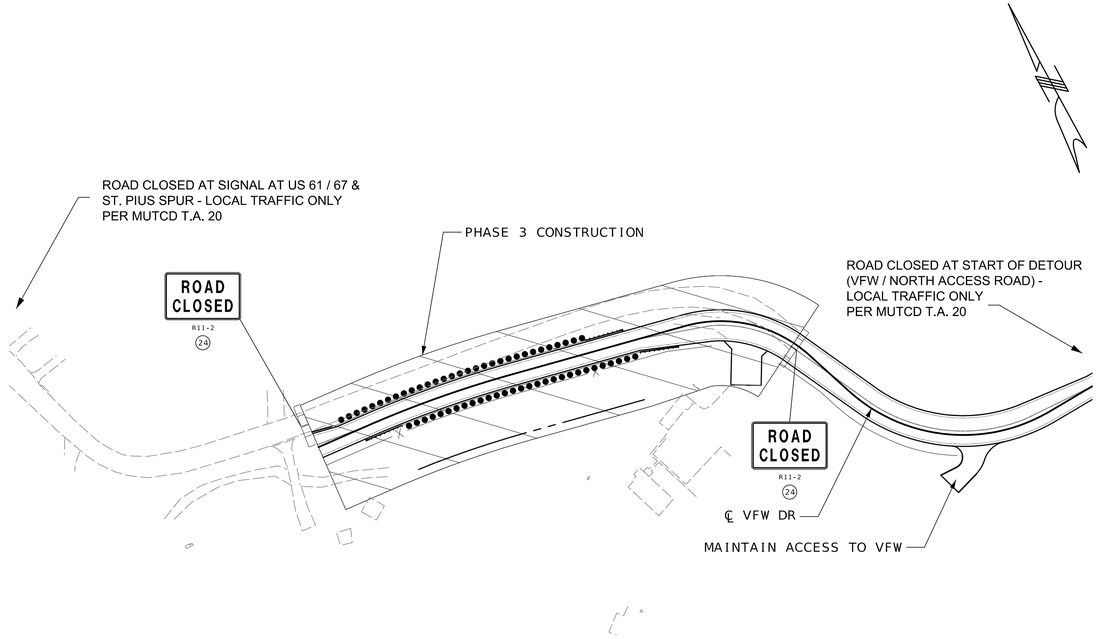
©Copyright CMT, Inc.

TRAFFIC CONTROL
SHEET 6 OF 19

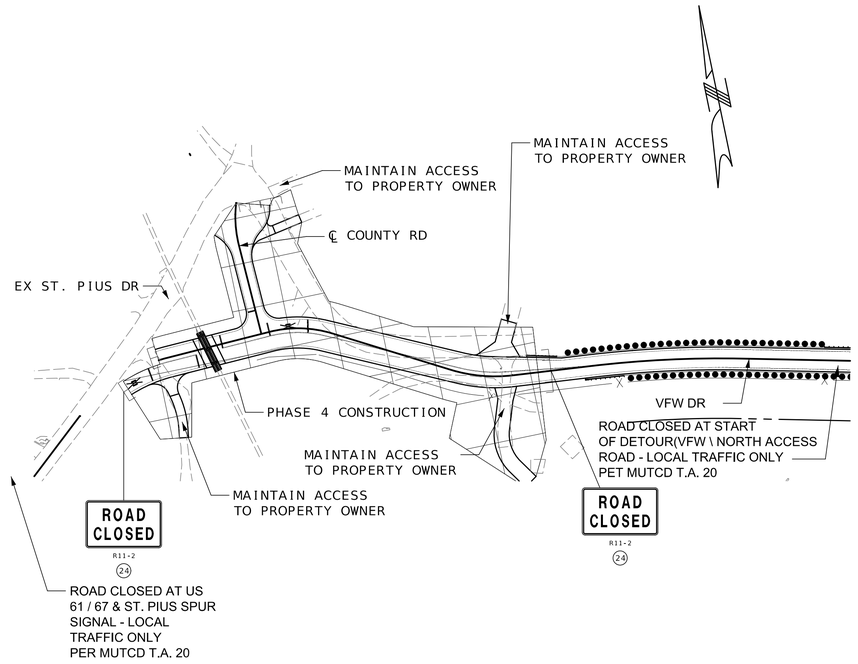
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



PHASING PLAN - PHASE 2 CONSTRUCTION (NOT TO SCALE)



PHASING PLAN - PHASE 3 CONSTRUCTION (NOT TO SCALE)



(NOT TO SCALE)
PHASING PLAN - PHASE 4 CONSTRUCTION

VFW DRIVE/ST. PIUS DRIVE PHASING PLAN

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 44

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

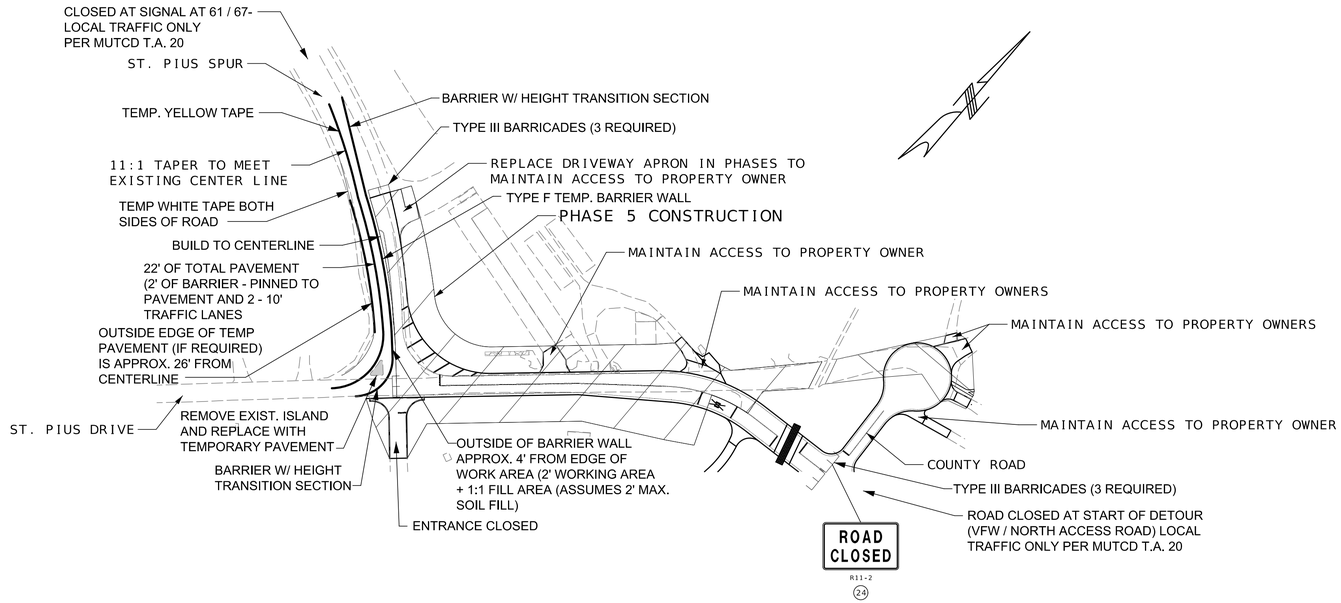
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

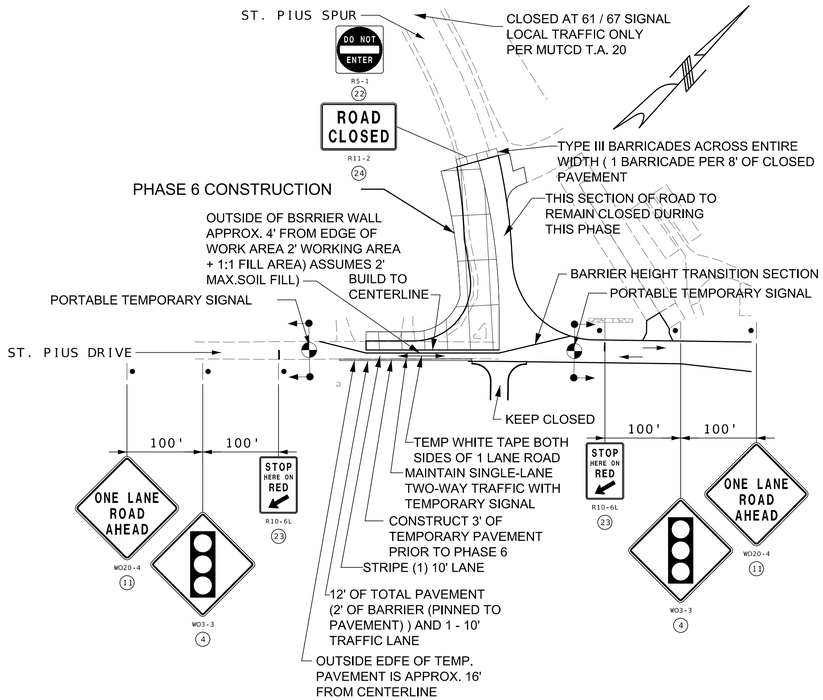
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 7 OF 19

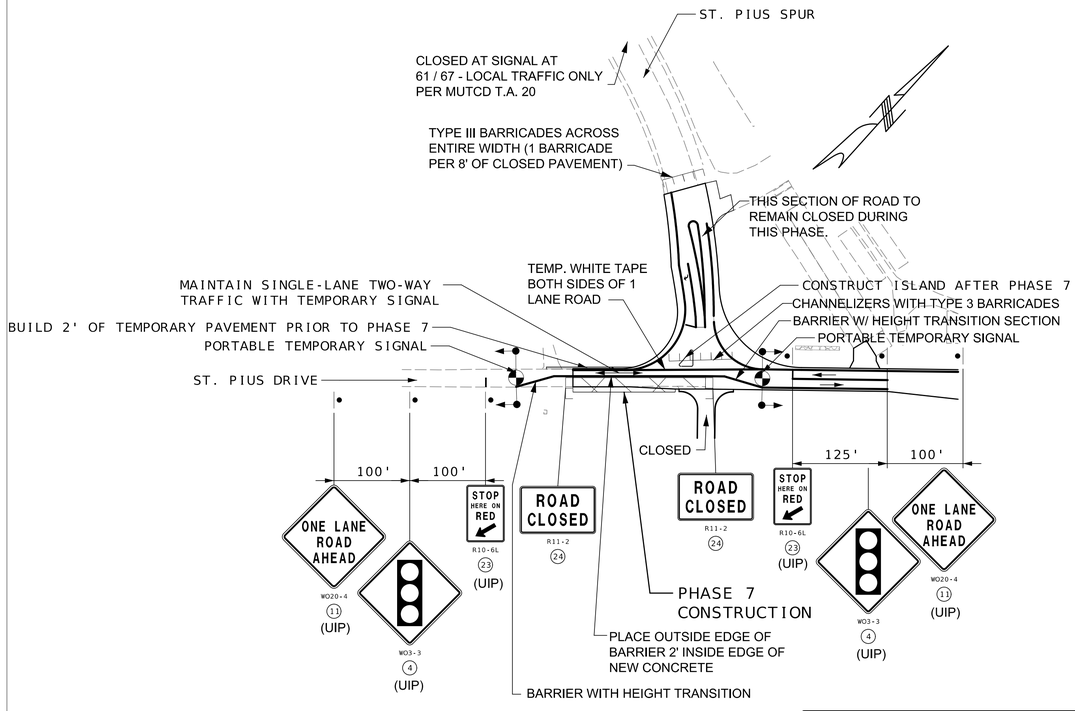
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



PHASING PLAN - PHASE 5 CONSTRUCTION (NOT TO SCALE)



PHASING PLAN - PHASE 6 CONSTRUCTION (NOT TO SCALE)



(NOT TO SCALE)
PHASING PLAN - PHASE 7 CONSTRUCTION

VFW DRIVE/ST. PIUS DRIVE
PHASING PLAN

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 45

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 8 OF 19

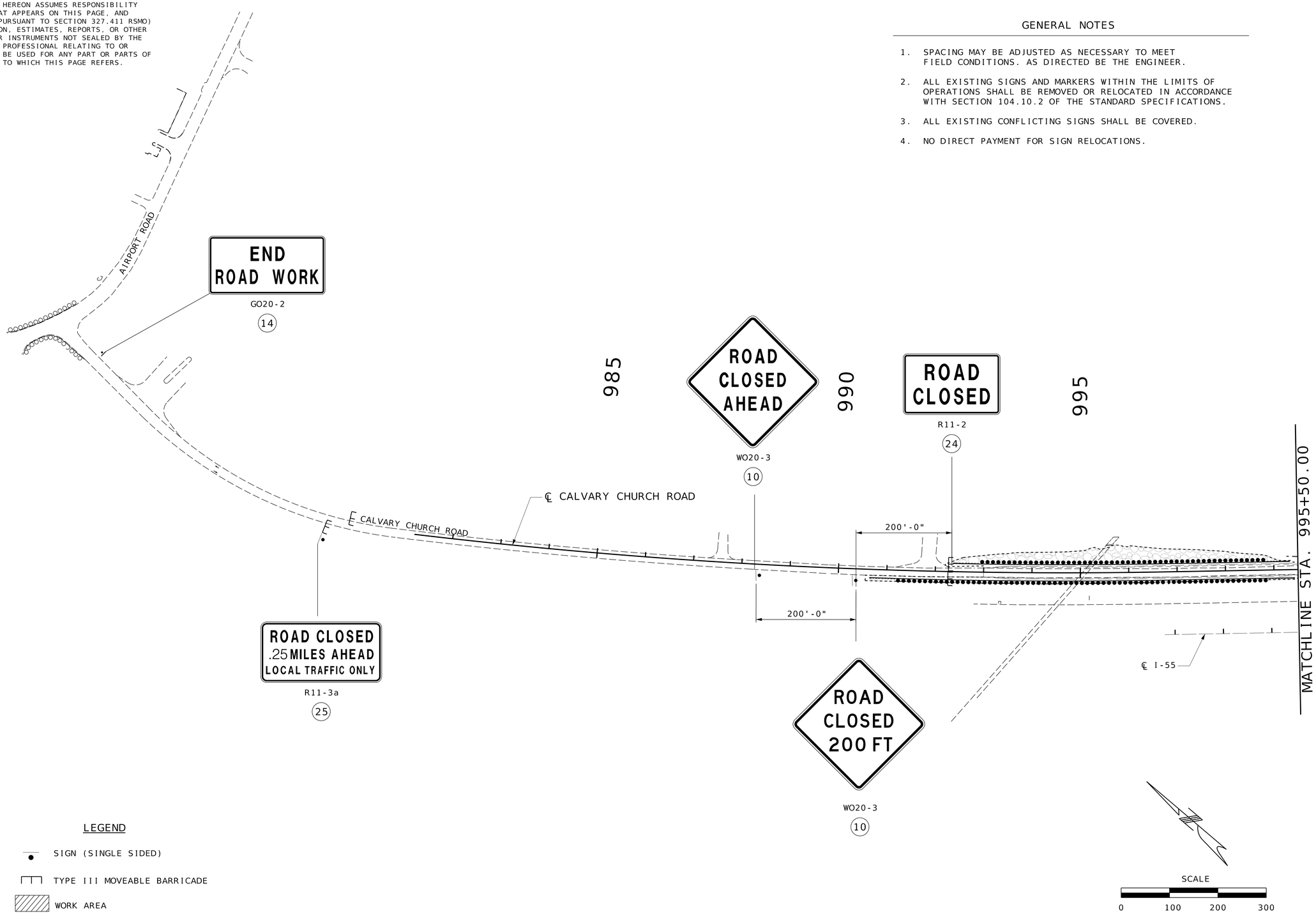
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_TC_Detour_592200.dgn 2:49:48 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

GENERAL NOTES

1. SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS. AS DIRECTED BE THE ENGINEER.
2. ALL EXISTING SIGNS AND MARKERS WITHIN THE LIMITS OF OPERATIONS SHALL BE REMOVED OR RELOCATED IN ACCORDANCE WITH SECTION 104.10.2 OF THE STANDARD SPECIFICATIONS.
3. ALL EXISTING CONFLICTING SIGNS SHALL BE COVERED.
4. NO DIRECT PAYMENT FOR SIGN RELOCATIONS.



CALVARY CHURCH ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	46

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

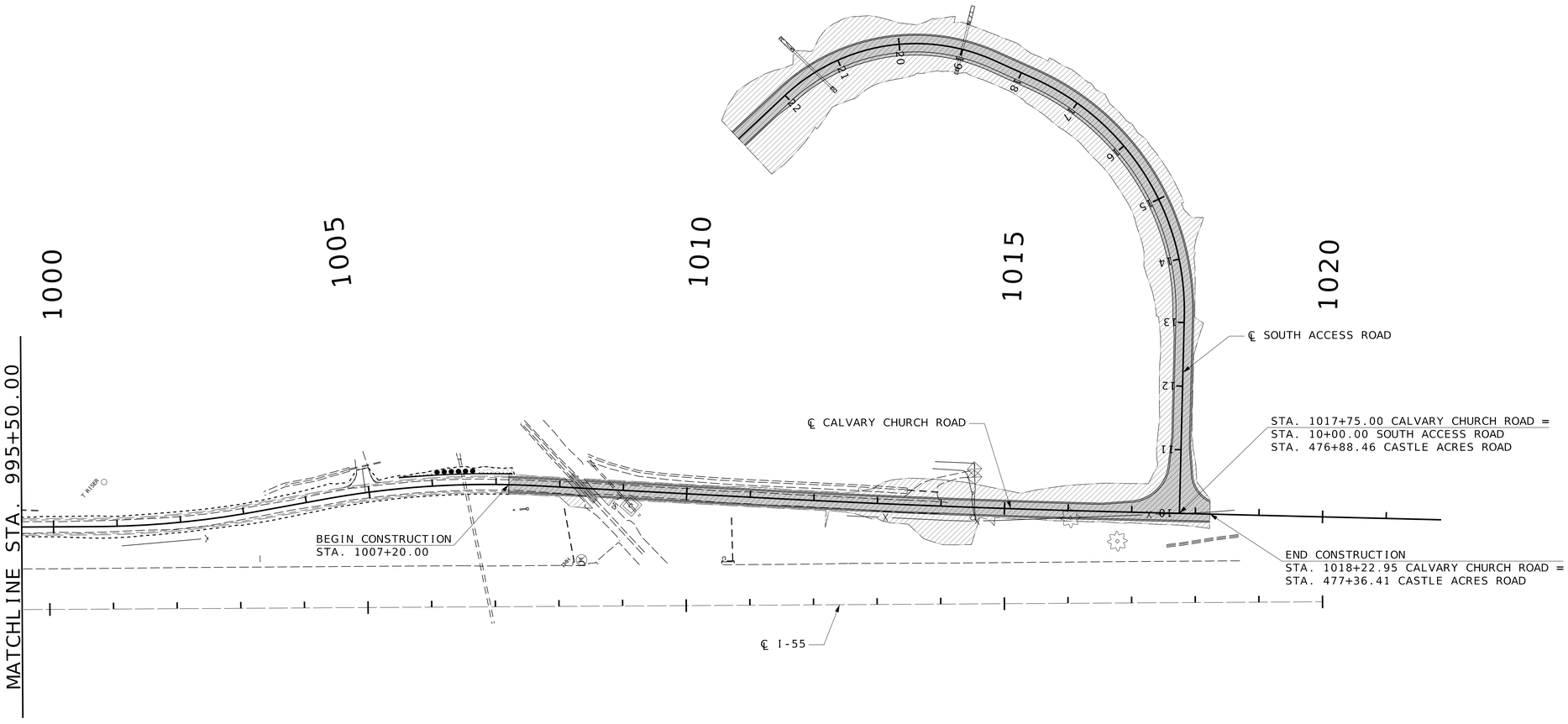
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 9 OF 19

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_TC_592200_Calvary.dgn 11:27:29 AM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- SIGN (SINGLE SIDED)
- TYPE III MOVEABLE BARRICADE
- WORK AREA

SCALE
0 100 200 300

CALVARY CHURCH ROAD

TODD EHLEN
NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	47

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

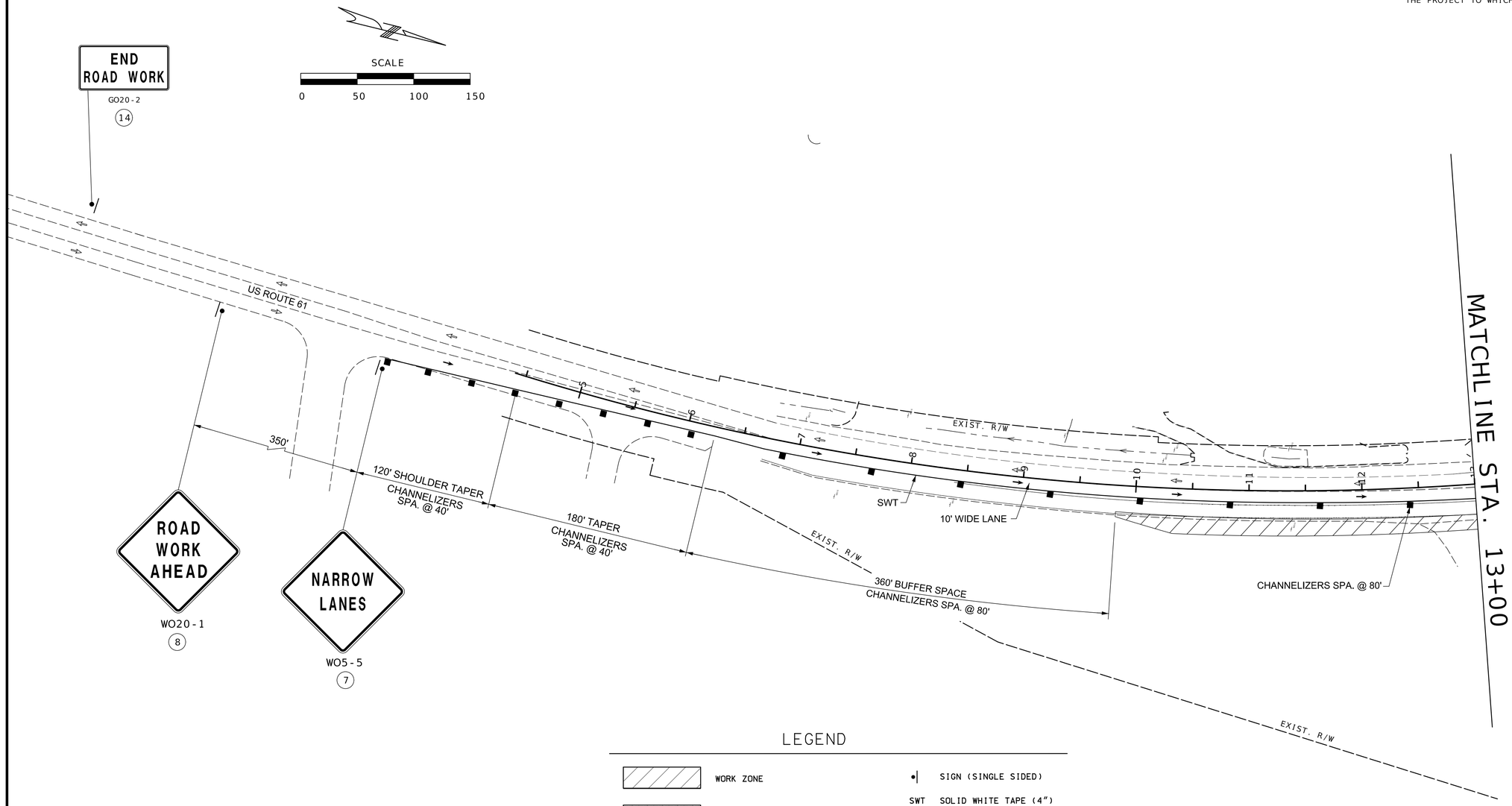
CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 10 OF 19

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_TC_592200_Calvary.dgn 11:28:10 AM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- EXISTING LANE USAGE
- LANE USAGE
- CHANNELIZER
- DIRECTIOAL INDICATOR BARRIER (DIBs)
- CMS — CHANGABLE MESSAGE SIGN
- SIGN (SINGLE SIDED)
- SWT — SOLID WHITE TAPE (4")
- SYT — SOLID YELLOW TAPE (4")
- DSYT — DOUBLE SOLID YELLOW TAPE (4")
- FLASHING ARROW PANEL
- EXISTING PAVEMENT MARKING

US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 1

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	48

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

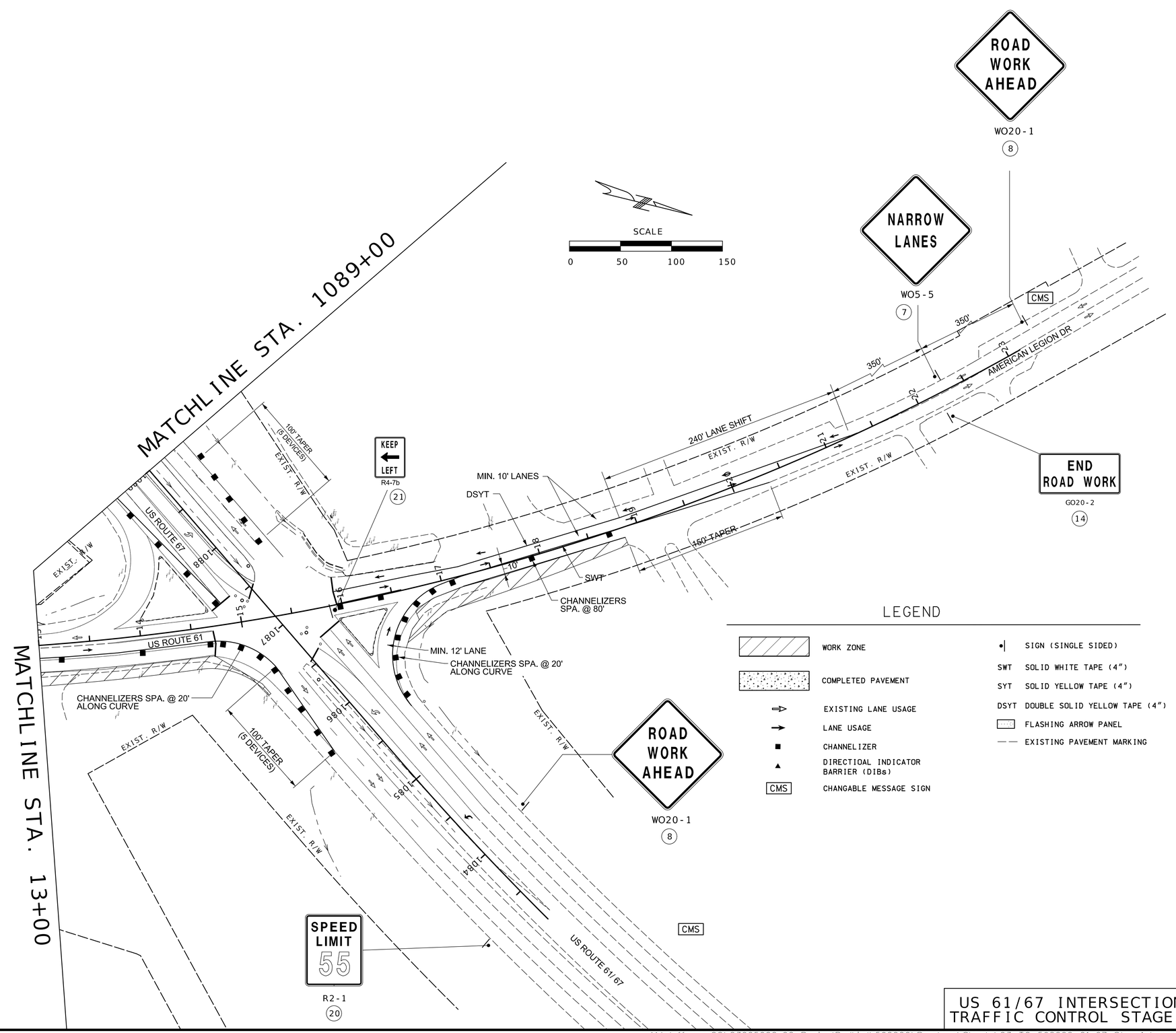
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

TRAFFIC CONTROL
SHEET 11 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 1

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	49

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 12 OF 179

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

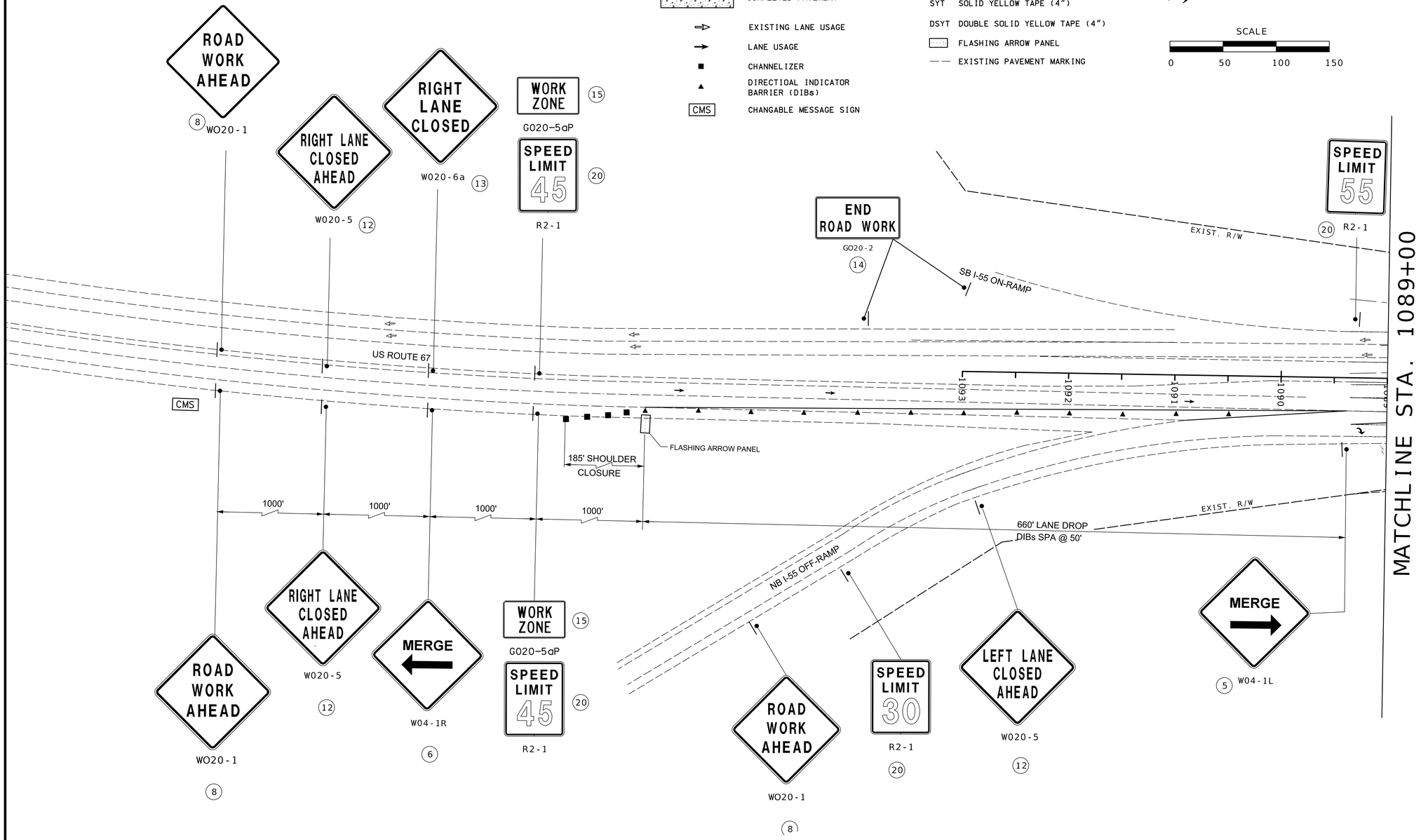
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_TC_592200_61_67_Stage1.dgn 11:35:36 AM 10/16/2024

LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- EXISTING LANE USAGE
- LANE USAGE
- CHANNELIZER
- DIRECTIOAL INDICATOR BARRIER (DIBs)
- CMS — CHANGABLE MESSAGE SIGN
- SIGN (SINGLE SIDED)
- SWT — SOLID WHITE TAPE (4")
- SYT — SOLID YELLOW TAPE (4")
- DSYT — DOUBLE SOLID YELLOW TAPE (4")
- FLASHING ARROW PANEL
- EXISTING PAVEMENT MARKING

SCALE
0 50 100 150

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOTE: MODOT PROJECT J6I3526B CONSTRUCTION MAY IMPACT TRAFFIC CONTROL LAYOUT NEAR I-55 RAMPS. SEE JSP FOR DETAILS.

US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 1

TODD EHLEN NUMBER PE-2006019649 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	50

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2400
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 13 OF 179

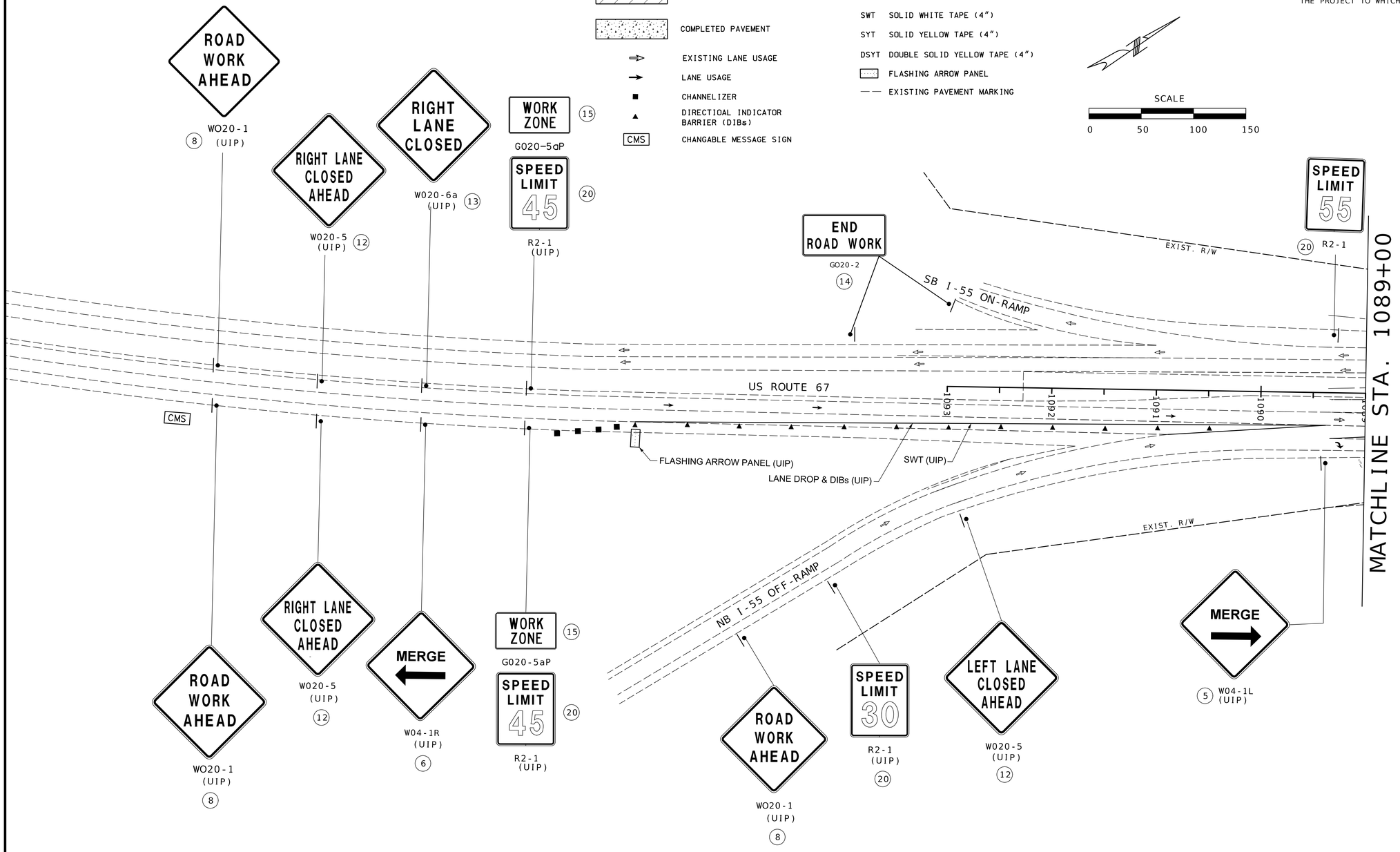
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- EXISTING LANE USAGE
- LANE USAGE
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRIER (DIBs)
- CMS — CHANGABLE MESSAGE SIGN
- SIGN (SINGLE SIDED)
- SWT SOLID WHITE TAPE (4")
- SYT SOLID YELLOW TAPE (4")
- DSYT DOUBLE SOLID YELLOW TAPE (4")
- FLASHING ARROW PANEL
- EXISTING PAVEMENT MARKING

SCALE
0 50 100 150



NOTE: MODOT PROJECT J6I3526B CONSTRUCTION MAY IMPACT TRAFFIC CONTROL LAYOUT NEAR I-55 RAMPS. SEE JSP FOR DETAILS.

US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 2

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 51
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

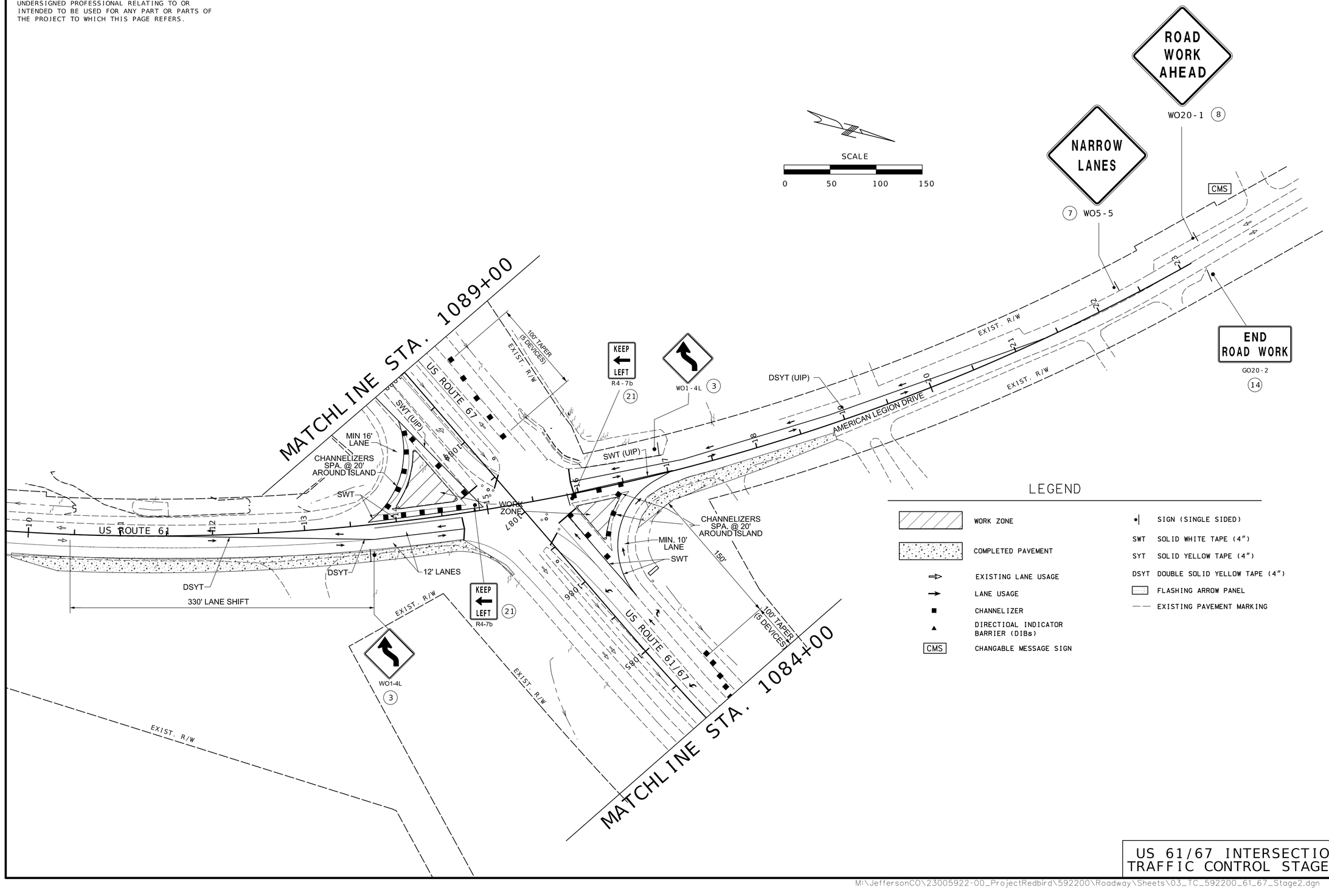
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2400
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

TRAFFIC CONTROL
SHEET 14 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 2

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	52

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 15 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 50 100 150

MATCHLINE STA. 1084+00

660' LANE DROP
DIBs SPA. @ 50'

SWT

FLASHING ARROW PANEL

1000' 1000' 1000' 1000'

185' SHOULDER TAPER
(5 DEVICES)

EXIST. R/W

US ROUTE 61/67

ST. PIUS SPUR

SPEED LIMIT 55
R2-1 (UIP) 20

WORK ZONE 3
G020-5aP

SPEED LIMIT 45 3
R2-1

MERGE
W04-1R 6

RIGHT LANE CLOSED AHEAD
W020-5 12

ROAD WORK AHEAD
WO20-1 8

END ROAD WORK
GO20-2 14

WORK ZONE 15
G020-5aP

SPEED LIMIT 45 20
R2-1

RIGHT LANE CLOSED
W020-6a 13

RIGHT LANE CLOSED AHEAD
W020-5 12

ROAD WORK AHEAD
WO20-1 8

LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- EXISTING LANE USAGE
- LANE USAGE
- CHANNELIZER
- DIRECTIOAL INDICATOR BARRIER (DIBs)
- CMS — CHANGABLE MESSAGE SIGN
- SIGN (SINGLE SIDED)
- SWT — SOLID WHITE TAPE (4")
- SYT — SOLID YELLOW TAPE (4")
- DSYT — DOUBLE SOLID YELLOW TAPE (4")
- FLASHING ARROW PANEL
- EXISTING PAVEMENT MARKING

US 61/67 INTERSECTION TRAFFIC CONTROL STAGE 2

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	53

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

TRAFFIC CONTROL
SHEET 16 OF 19

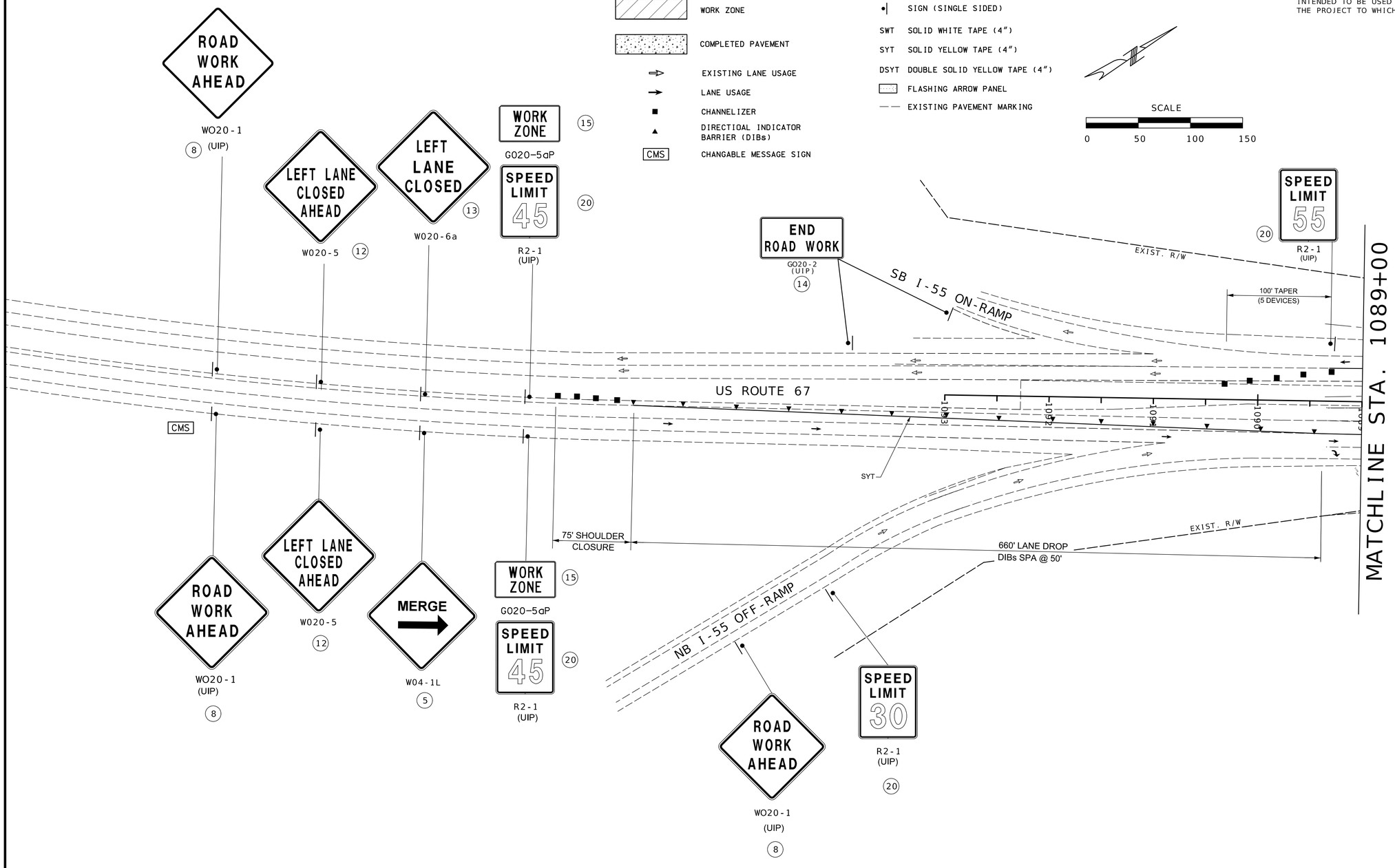
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- EXISTING LANE USAGE
- LANE USAGE
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRIER (DIBs)
- CMS — CHANGABLE MESSAGE SIGN
- SIGN (SINGLE SIDED)
- SWT SOLID WHITE TAPE (4")
- SYT SOLID YELLOW TAPE (4")
- DSYT DOUBLE SOLID YELLOW TAPE (4")
- FLASHING ARROW PANEL
- EXISTING PAVEMENT MARKING

SCALE
0 50 100 150



NOTE: MODOT PROJECT J6I3526B CONSTRUCTION MAY IMPACT TRAFFIC CONTROL LAYOUT NEAR I-55 RAMPS. SEE JSP FOR DETAILS.

US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 3

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	54

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

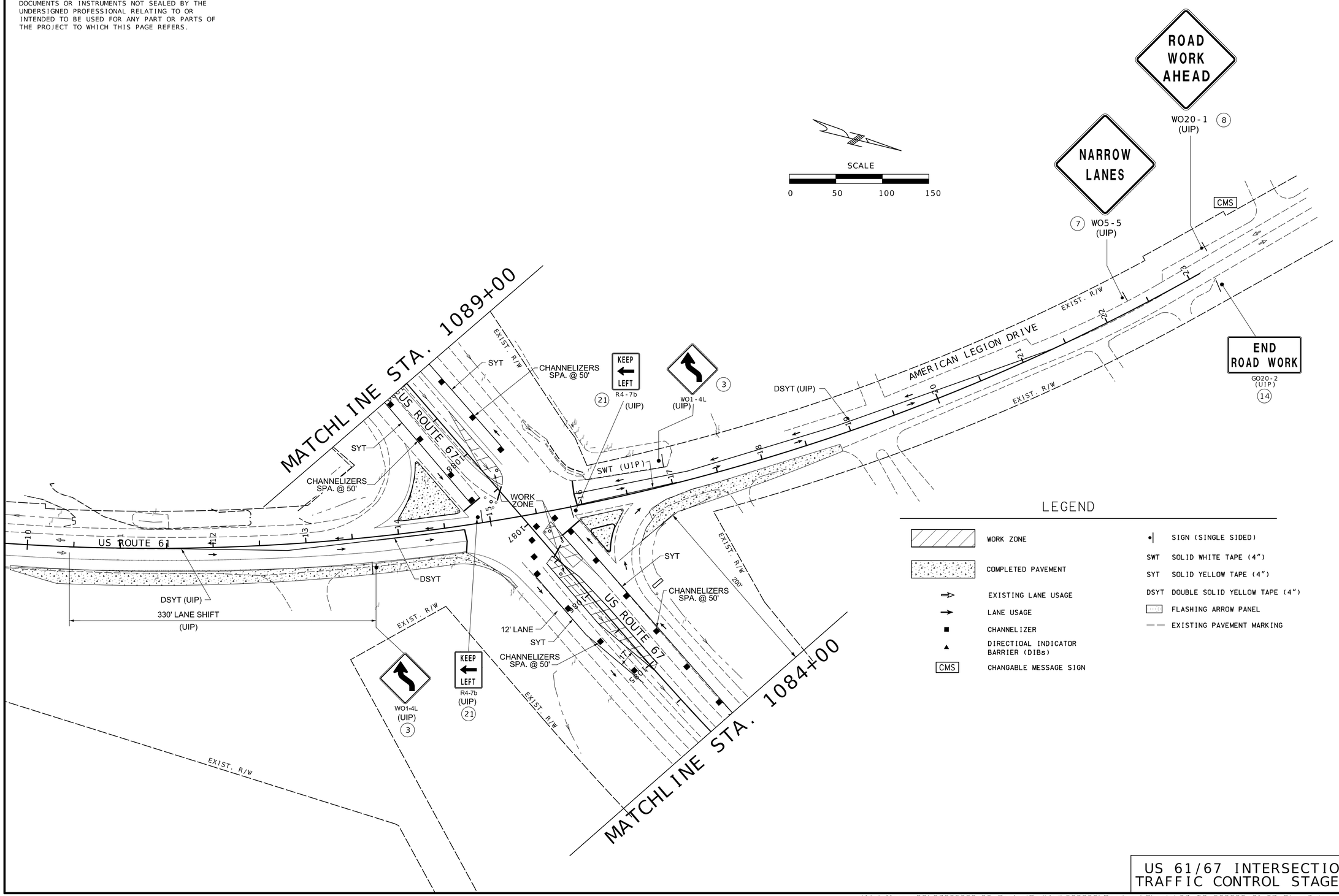
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

TRAFFIC CONTROL
SHEET 17 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 3

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	55

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

TRAFFIC CONTROL
SHEET 18 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 50 100 150

MATCHLINE STA. 1084+00

660' LANE DROP
DIBs SPA. @ 50'

SYT

US ROUTE 61/67

EXIST. R/W

FLASHING ARROW PANEL

SPEED LIMIT 55
R2-1 (UIP)
21

WORK ZONE
G020-5aP
15

SPEED LIMIT 45
R2-1 (UIP)
20

MERGE
5 W04-1L

LEFT LANE CLOSED AHEAD
12 W020-5

ROAD WORK AHEAD
8 WO20-1 (UIP)

1000' 1000' 1000' 1000'

US ROUTE 61/67

END ROAD WORK
G020-2
14

WORK ZONE
G020-5aP
15

SPEED LIMIT 45
R2-1 (UIP)
20

LEFT LANE CLOSED
W020-6a
13

LEFT LANE CLOSED AHEAD
W020-5
12

ROAD WORK AHEAD
WO20-1 (UIP)
5

ST. PIUS SPUR

LEGEND

WORK ZONE	SIGN (SINGLE SIDED)
COMPLETED PAVEMENT	SWT SOLID WHITE TAPE (4")
EXISTING LANE USAGE	SYT SOLID YELLOW TAPE (4")
LANE USAGE	DSYT DOUBLE SOLID YELLOW TAPE (4")
CHANNELIZER	FLASHING ARROW PANEL
DIRECTIOAL INDICATOR BARRIER (DIBs)	EXISTING PAVEMENT MARKING
CMS CHANGABLE MESSAGE SIGN	

US 61/67 INTERSECTION
TRAFFIC CONTROL STAGE 3

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	56

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

TRAFFIC CONTROL
SHEET 19 OF 19

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

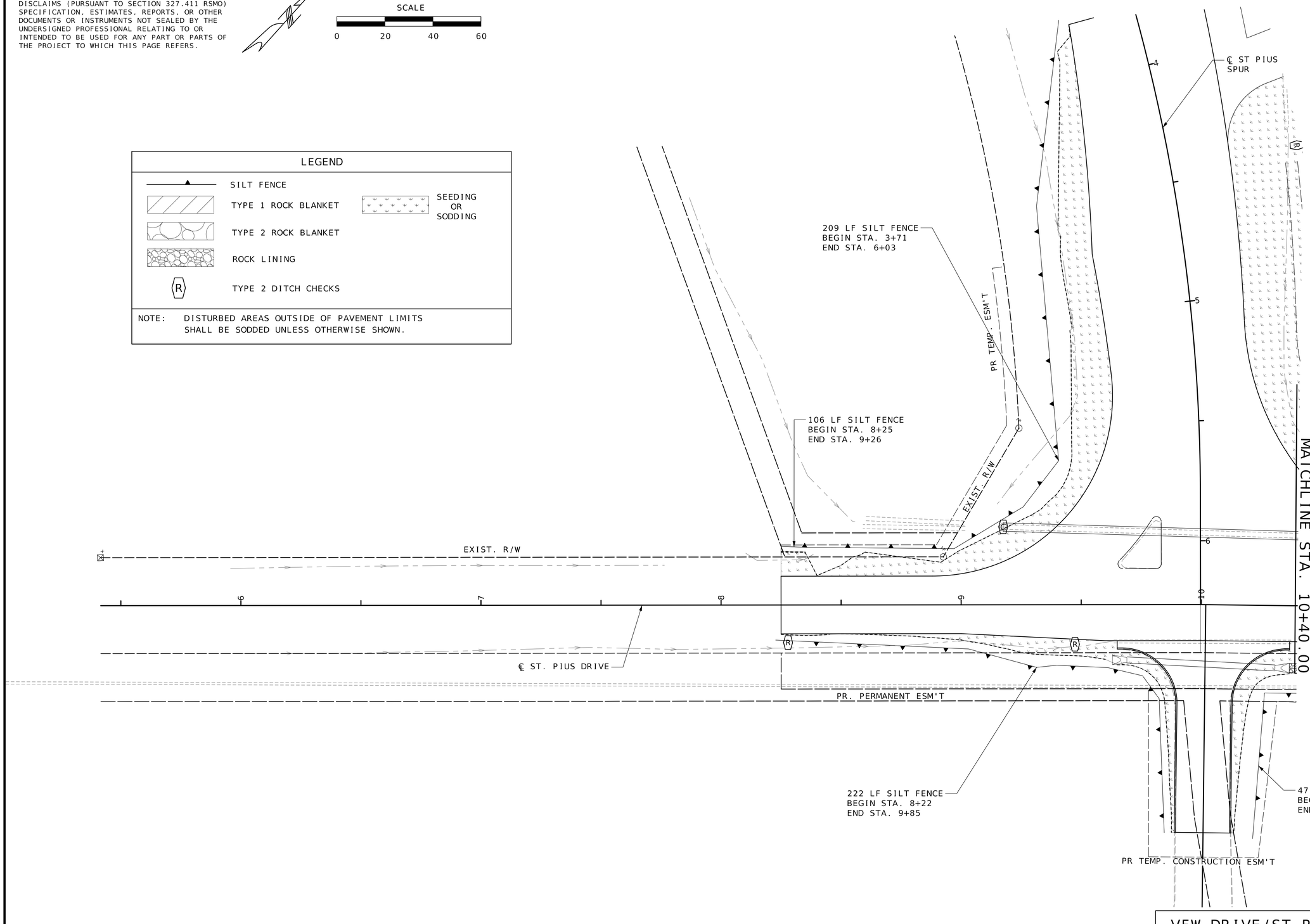
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



TODD EHLEN NUMBER PE-2006019649 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	57

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Crawford, Murphy & Tilly, Inc.

EROSION CONTROL
SHEET 1 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE	SHEET NO.
MO	58

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63146 - 3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 2 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXIST. R/W
TEMP ESM'T
NEW ROW
PR. PERMANENT ESM'T
MATCHLINE STA. 10+40.00
MATCHLINE STA. 15+80.00
EXIST. RR R/W
EXIST. RD
NEW R/W
℄
10
11
12
13
14
15

280 LF SILT FENCE
BEGIN STA. 10+37
END STA. 11+90

TYPE 2 ROCK
DITCH LINER

CURB INLET CHECK

130 LF SILT FENCE
BEGIN STA. 12+48
END STA. 13+64

CURB
INLET
CHECK

471 LF SILT FENCE
BEGIN STA. 10+23
END STA. 14+51

57 LF SILT FENCE
BEGIN STA. 13+64
END STA. 14+40

117 LF SILT FENCE
BEGIN STA. 14+21
END STA. 15+00

SEEDING

CURB INLET CHECK

179 LF SILT FENCE
BEGIN STA. 15+23
END STA. 15+00

SEEDING

59 LF SILT FENCE
BEGIN STA. 15+61
END STA. 15+86

100 LF SILT FENCE
BEGIN STA. 14+93
END STA. 15+30

VFW DRIVE/ST.PIUS DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

MATCHLINE STA. 11+00.00
MATCHLINE STA. 15+80.00
MATCHLINE STA. 21+20.00
SEEDING
INLET PROTECTION
EXIST. R/W
EXIST. ESM'T
TEMP ESM'T
PERMANENT ESM'T
NEW R/W
END SEEDING, BEGIN SODDING
351 LF SILT FENCE
BEGIN STA. 11+33 (COUNTY RD)
END STA. 19+48
1303 LF SILT FENCE
BEGIN STA. 19+72
END STA. 32+56
59 LF SILT FENCE
BEGIN STA. 15+61
END STA. 15+86
750 LF SILT FENCE
BEGIN STA. 15+97
END STA. 20+90
N.P. 395.27
TYPE 2 ROCK DITCH LINER
WETLAND

NOTE: DO NOT DISTURB STREAMS / WETLANDS BEYOND LIMITS OF CONSTRUCTION

VFW DRIVE/ST.PIUS DRIVE

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE	SHEET NO.
MO	59

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

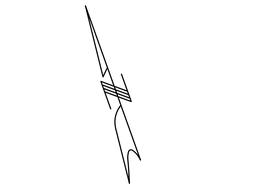
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 3 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_EC_VFW.dgn 11:20:12 AM 10/21/2024

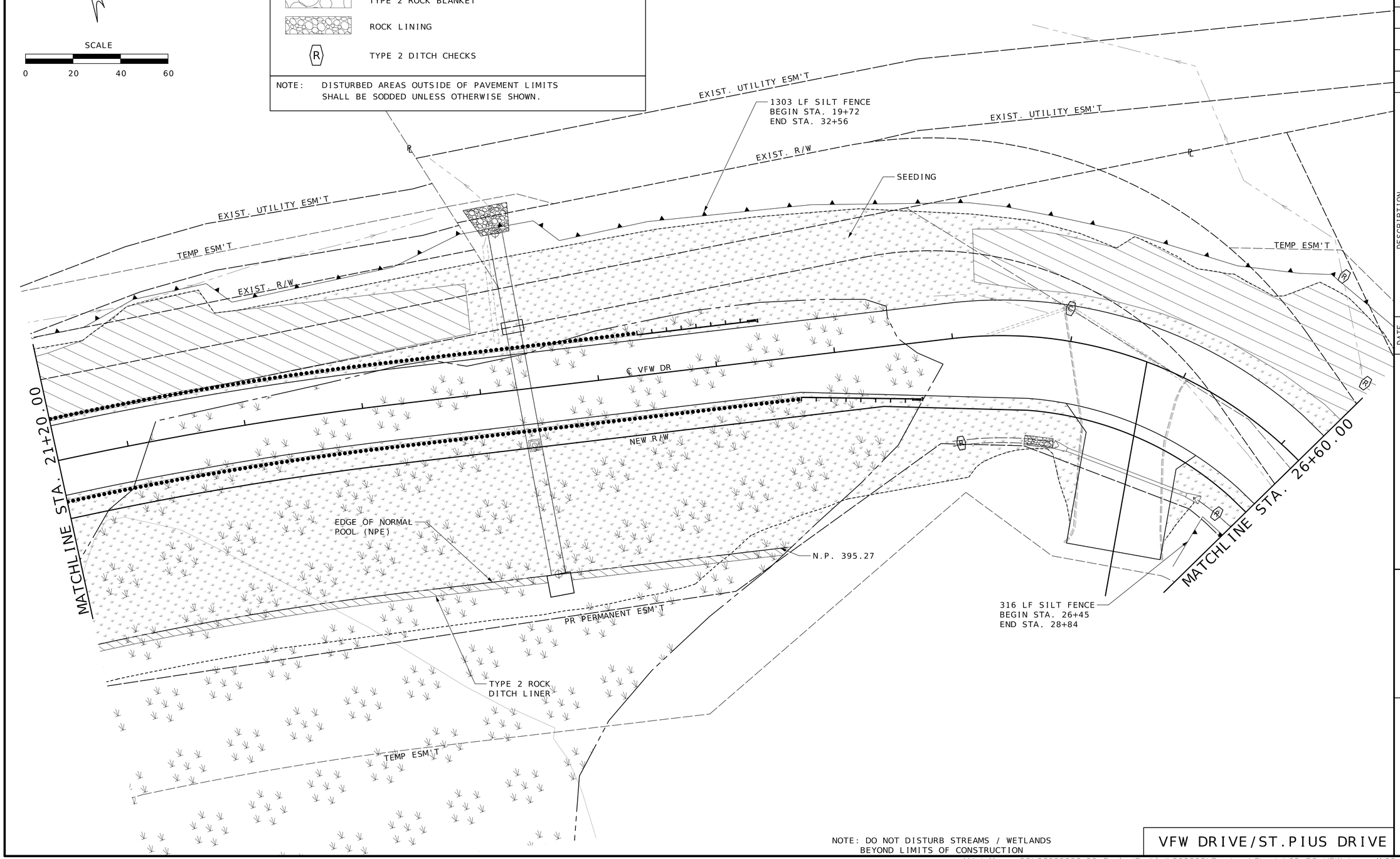


LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOTE: DO NOT DISTURB STREAMS / WETLANDS BEYOND LIMITS OF CONSTRUCTION

VFW DRIVE/ST.PIUS DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE	SHEET NO.
MO	60

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 4 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

SCALE
0 20 40 60

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

MATCHLINE STA. 26+60.00

MATCHLINE STA. 32+00.00

EXIST. UTILITY ESM'T

EXIST. UTILITY ESM'T

PR TEMP. ESM'T

EXIST. R/W

NEW R/W

27

1303 LF SILT FENCE
BEGIN STA. 19+72
END STA. 32+56

SEEDING

EXIST. R/W

PR PERMANENT ESM'T

NEW R/W

PR TEMP. ESM'T

28

℄ VFW DR

29

30

31

316 LF SILT FENCE
BEGIN STA. 26+45
END STA. 28+84

PR PERMANENT ESM'T

SEEDING

347 LF SILT FENCE
BEGIN STA. 28+96
END STA. 31+75

PR TEMP. ESM'T

℄

VFW DRIVE/ST.PIUS DRIVE

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 61

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

JEFFERSON COUNTY MISSOURI 1818

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 5 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

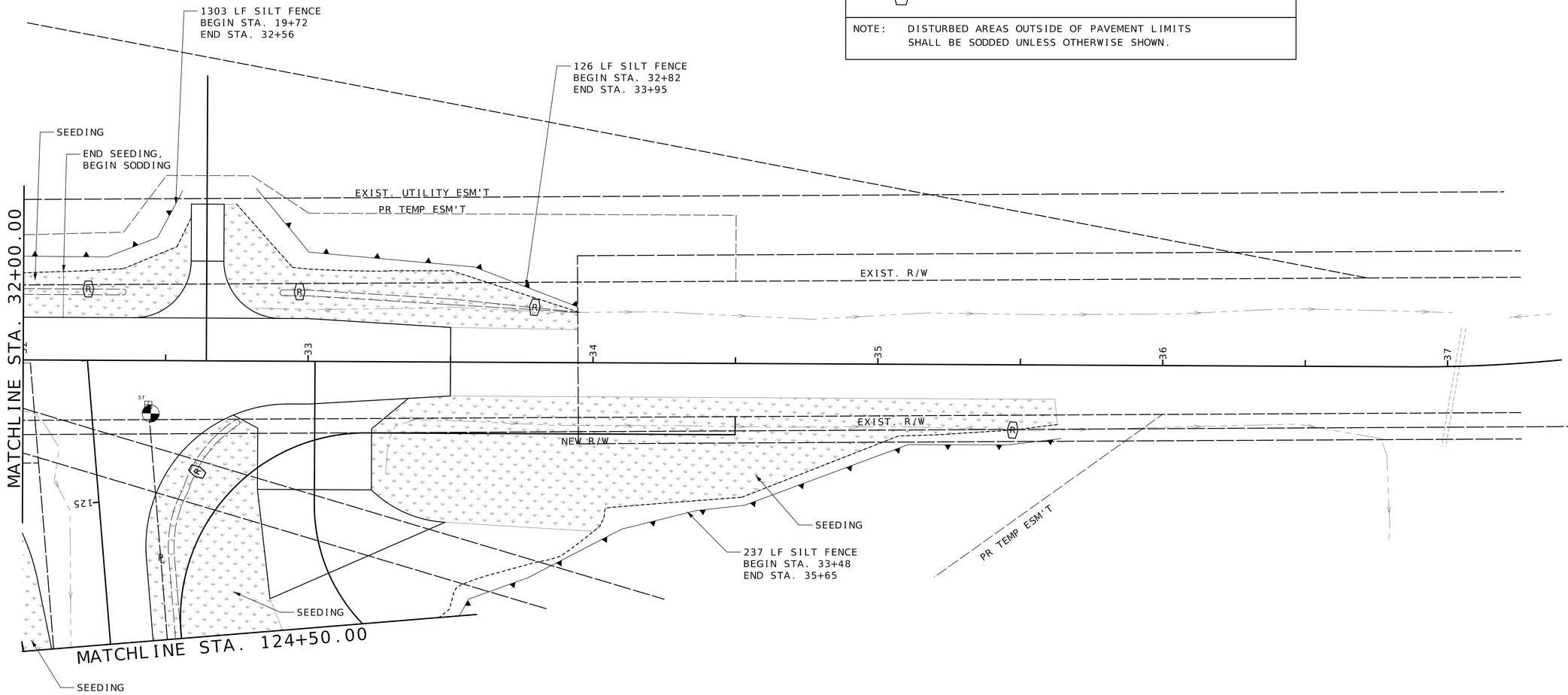
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_EC_VFW.dgn 2:50:17 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

LEGEND	
SILT FENCE	
TYPE 1 ROCK BLANKET	SEEDING OR SODDING
TYPE 2 ROCK BLANKET	
ROCK LINING	
(R) TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



VFW DRIVE/ST.PIUS DRIVE

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

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	62

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

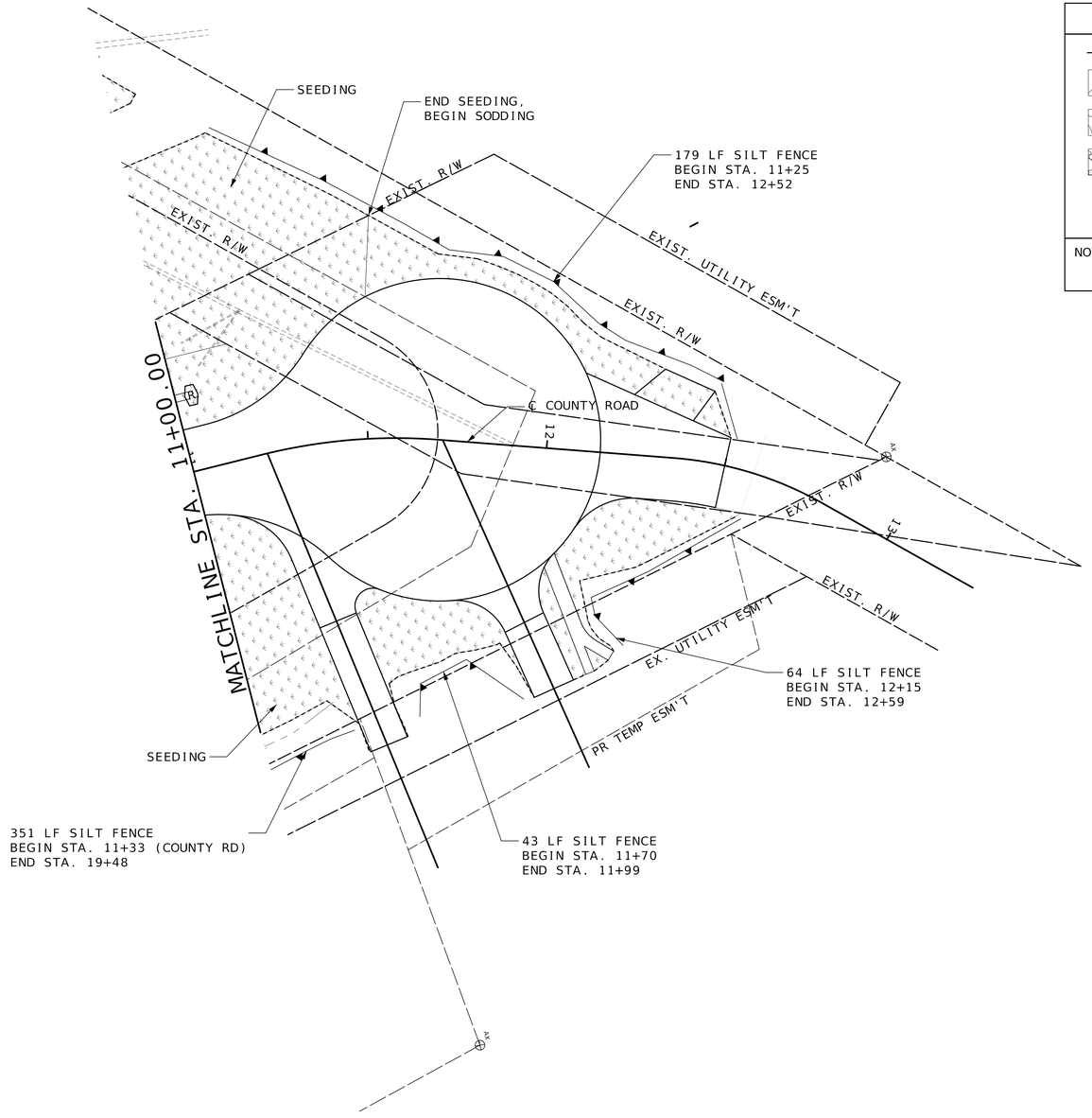
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 63500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

EROSION CONTROL
SHEET 6 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE

0 20 40 60



LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	63

COUNTY
JEFFERSON

JOB NO.
SNS-0025

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

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 7 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

COUNTY ROAD

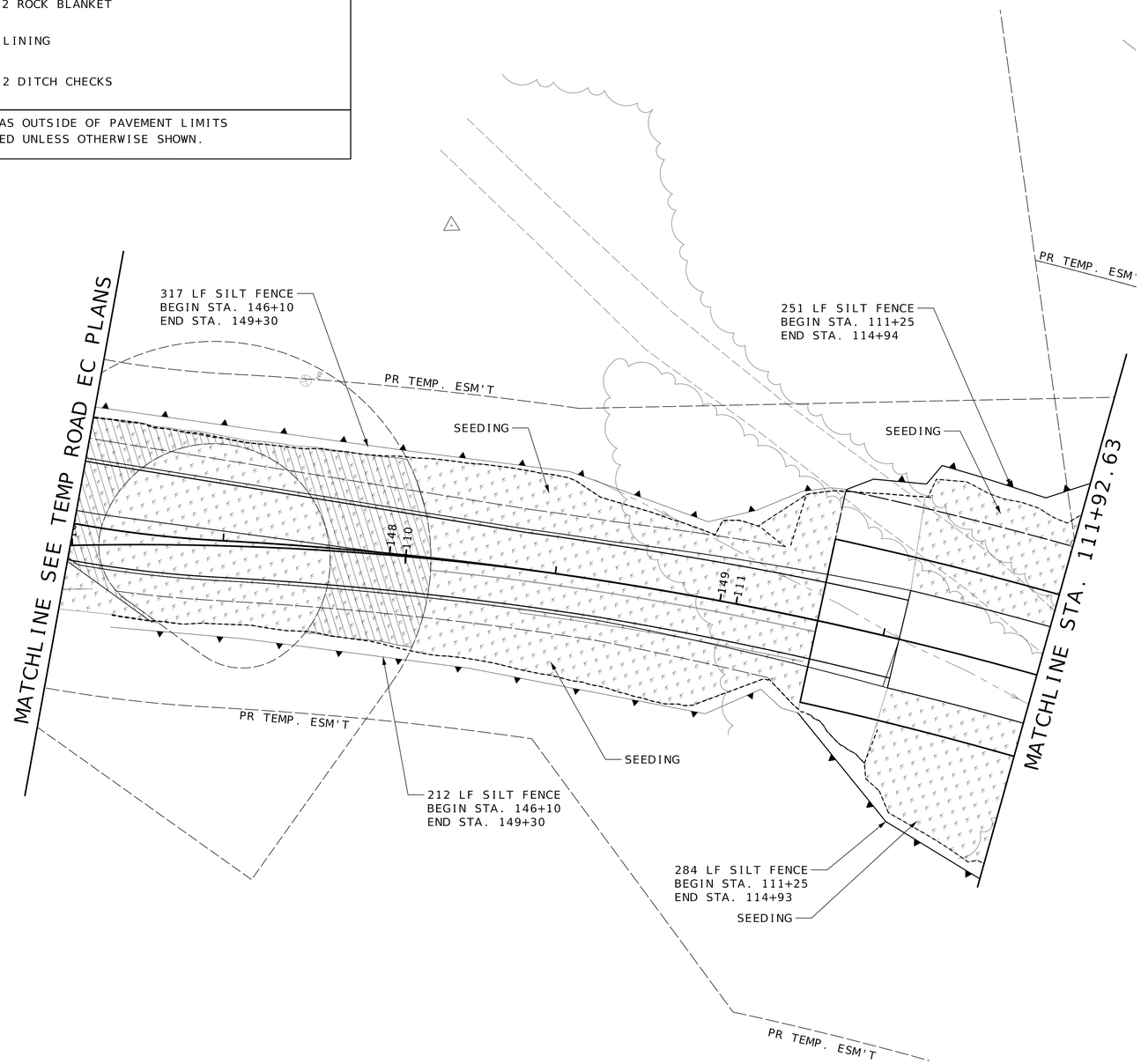
SCALE

0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



NORTH ACCESS ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	64

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

EROSION CONTROL
SHEET 8 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE

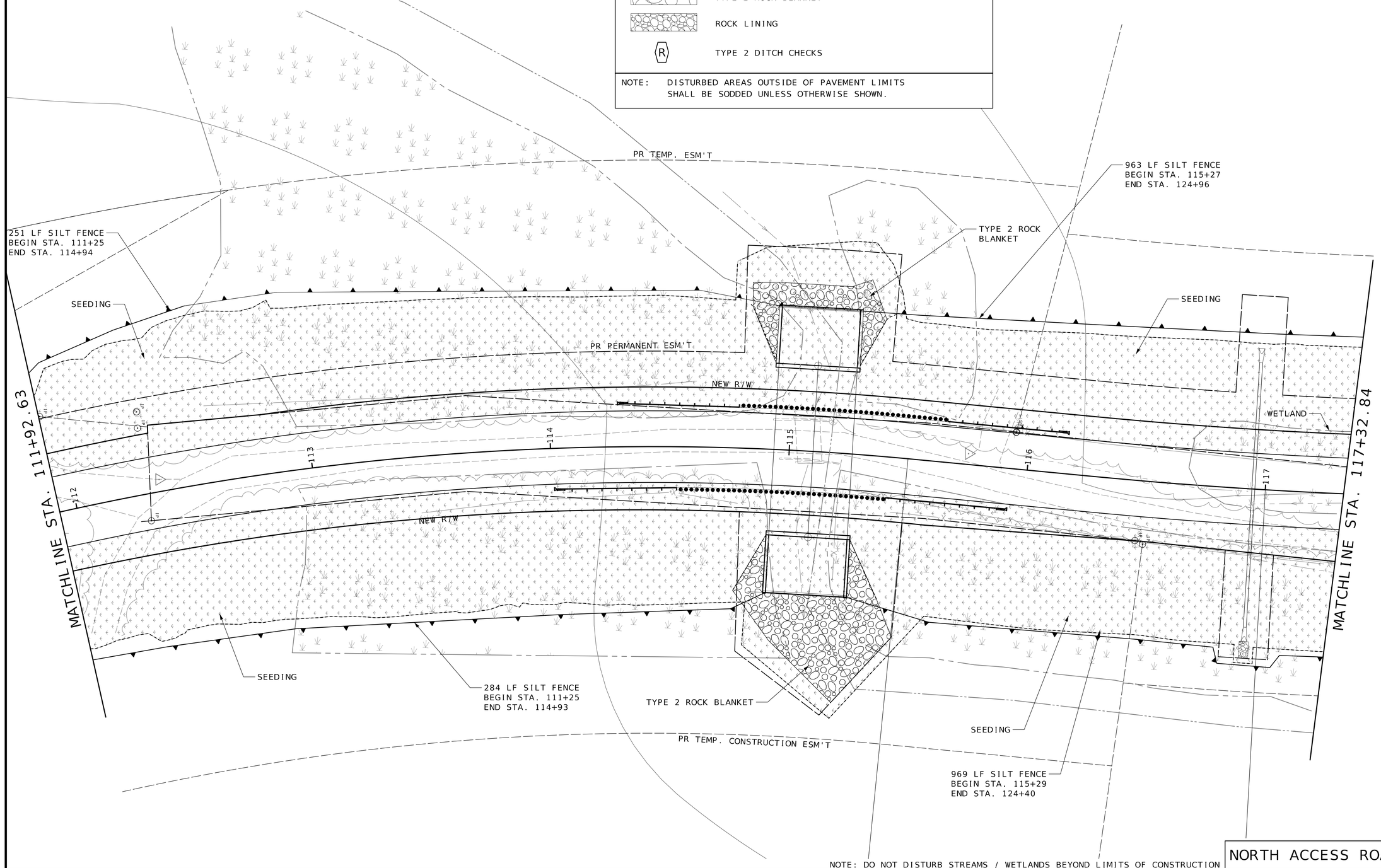
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	65

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 655-3500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

EROSION CONTROL
SHEET 9 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

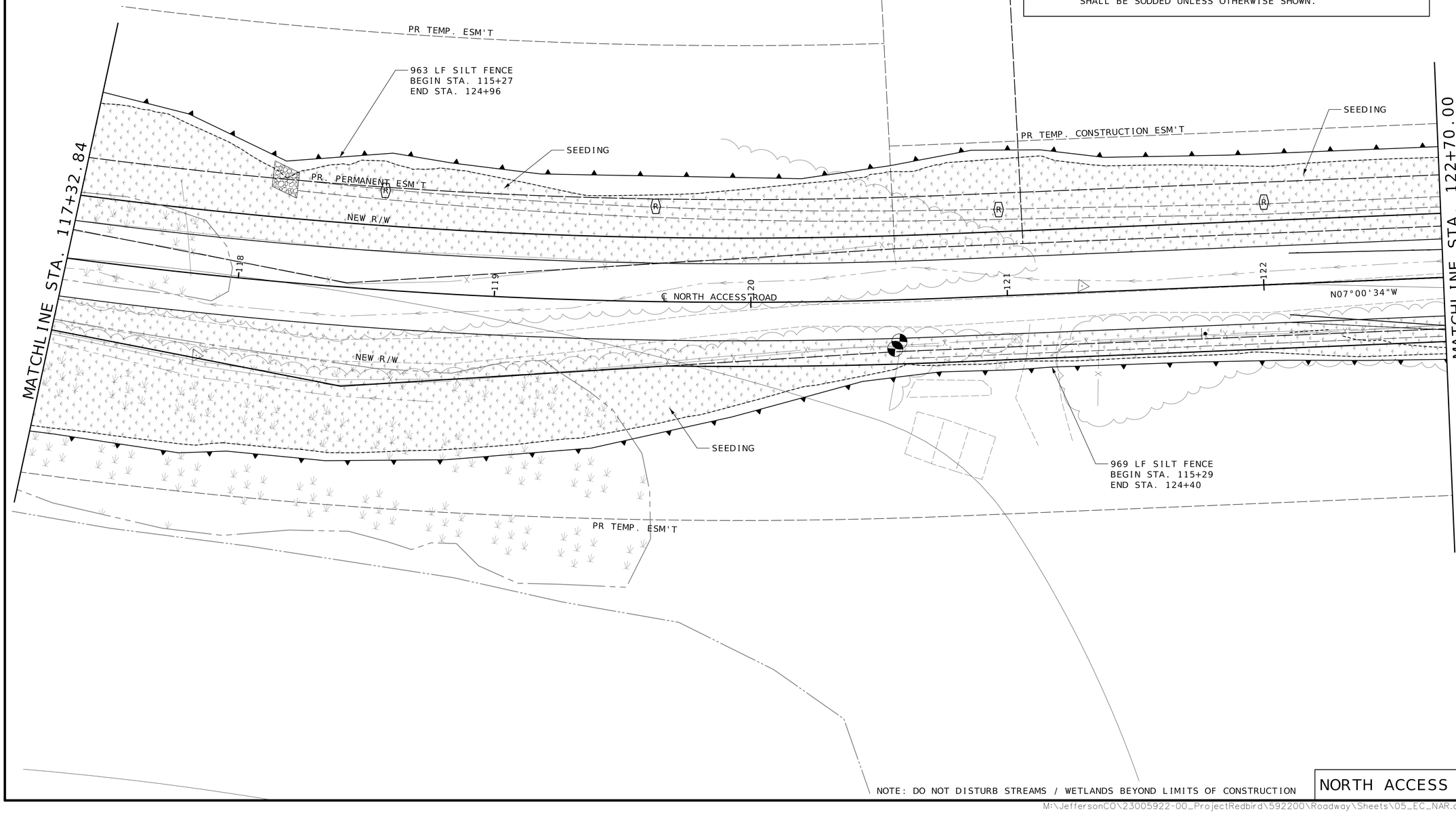
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



NOTE: DO NOT DISTURB STREAMS / WETLANDS BEYOND LIMITS OF CONSTRUCTION

NORTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	66

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

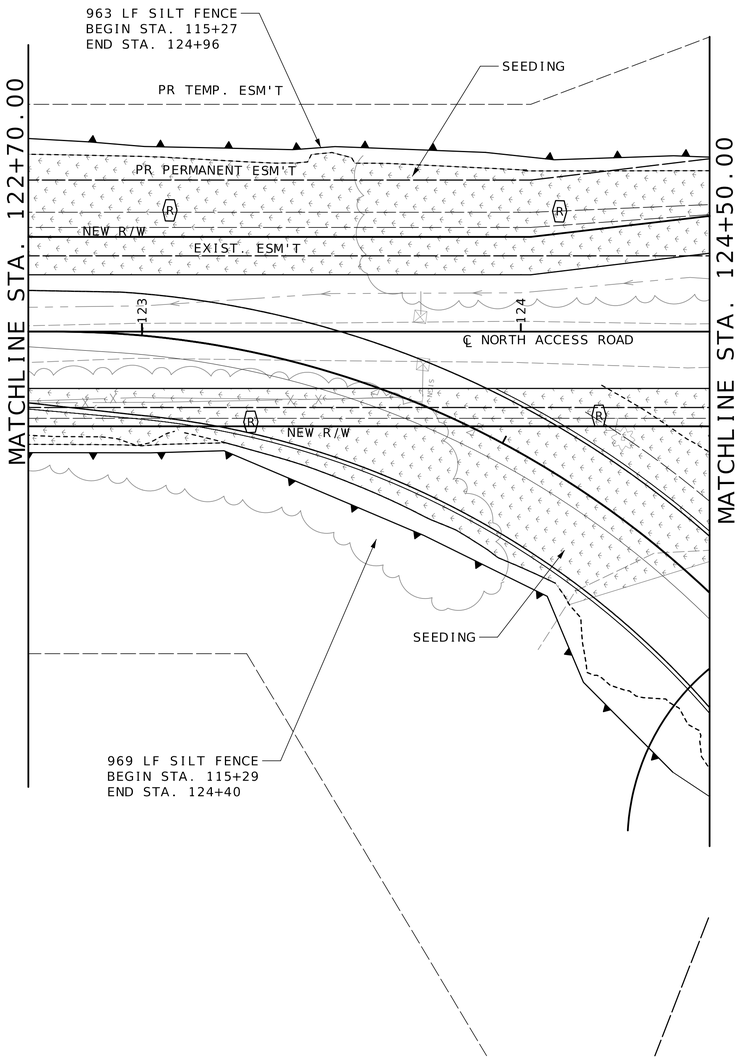
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 350
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 10 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE

0 20 40 60



LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	67

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 11 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

NORTH ACCESS ROAD

SCALE

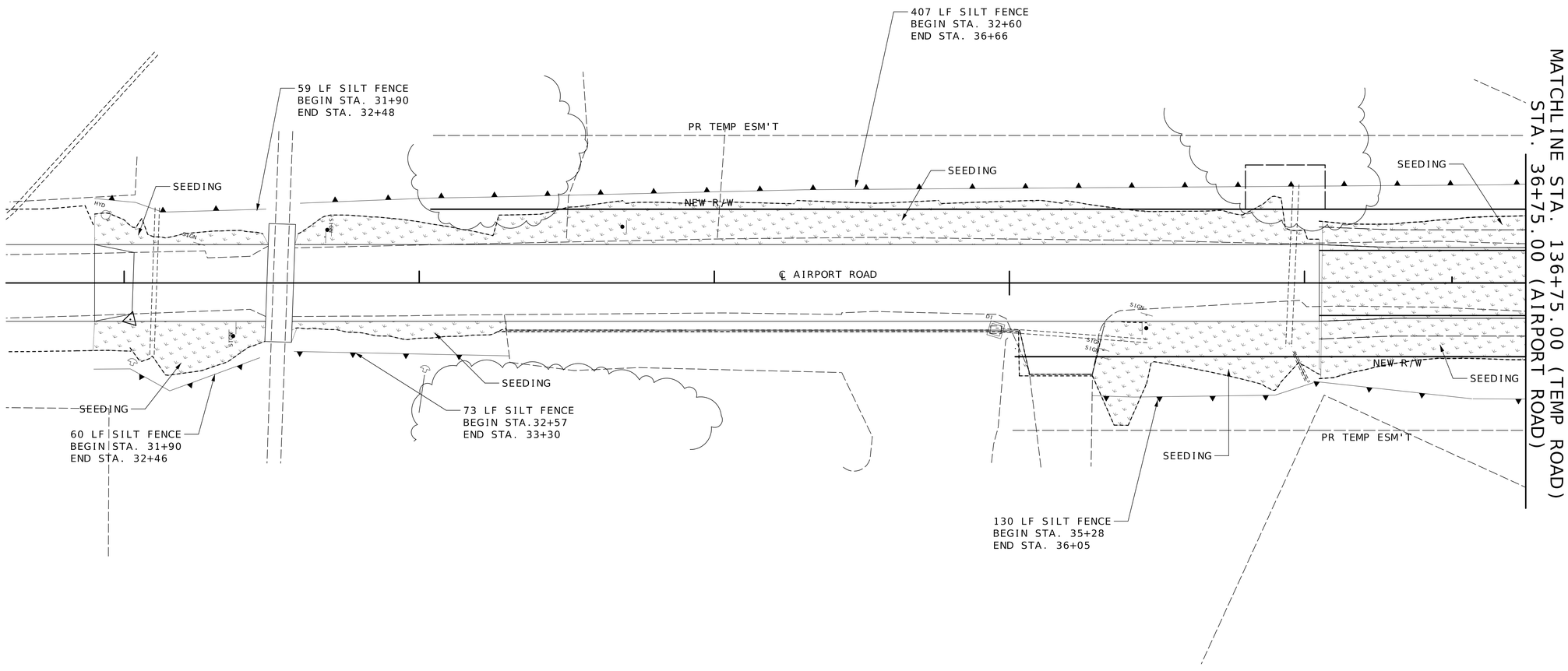
0 20 40 60

LEGEND		
	SILT FENCE	
	TYPE 1 ROCK BLANKET	SEEDING OR SODDING
	TYPE 2 ROCK BLANKET	
	ROCK LINING	
R	TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

35

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



AIRPORT ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	68

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 12 OF 22

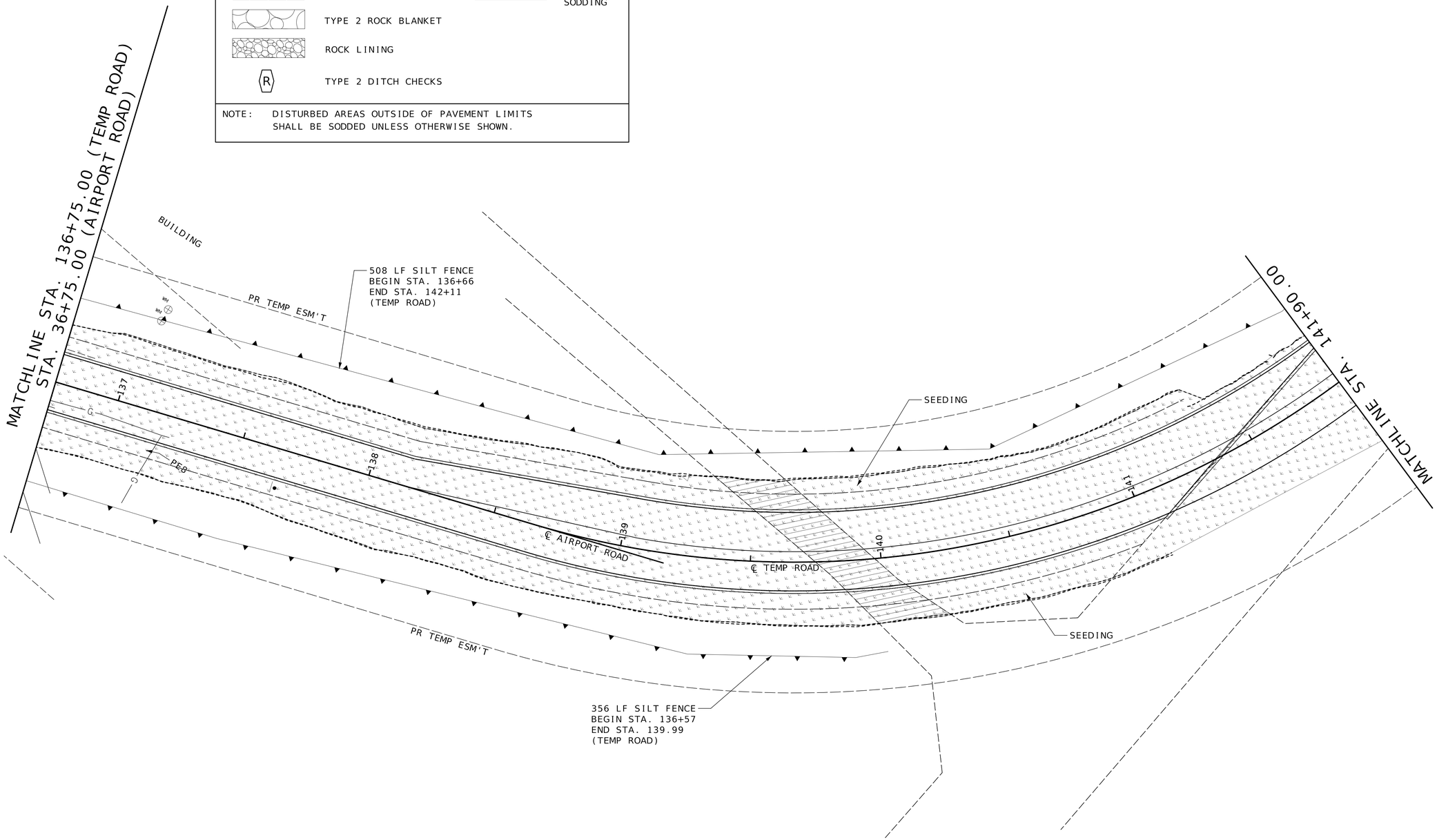
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND	
SILT FENCE	
TYPE 1 ROCK BLANKET	SEEDING OR SODDING
TYPE 2 ROCK BLANKET	
ROCK LINING	
(R) TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

SCALE
0 20 40 60

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	69

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

EROSION CONTROL
SHEET 13 OF 22

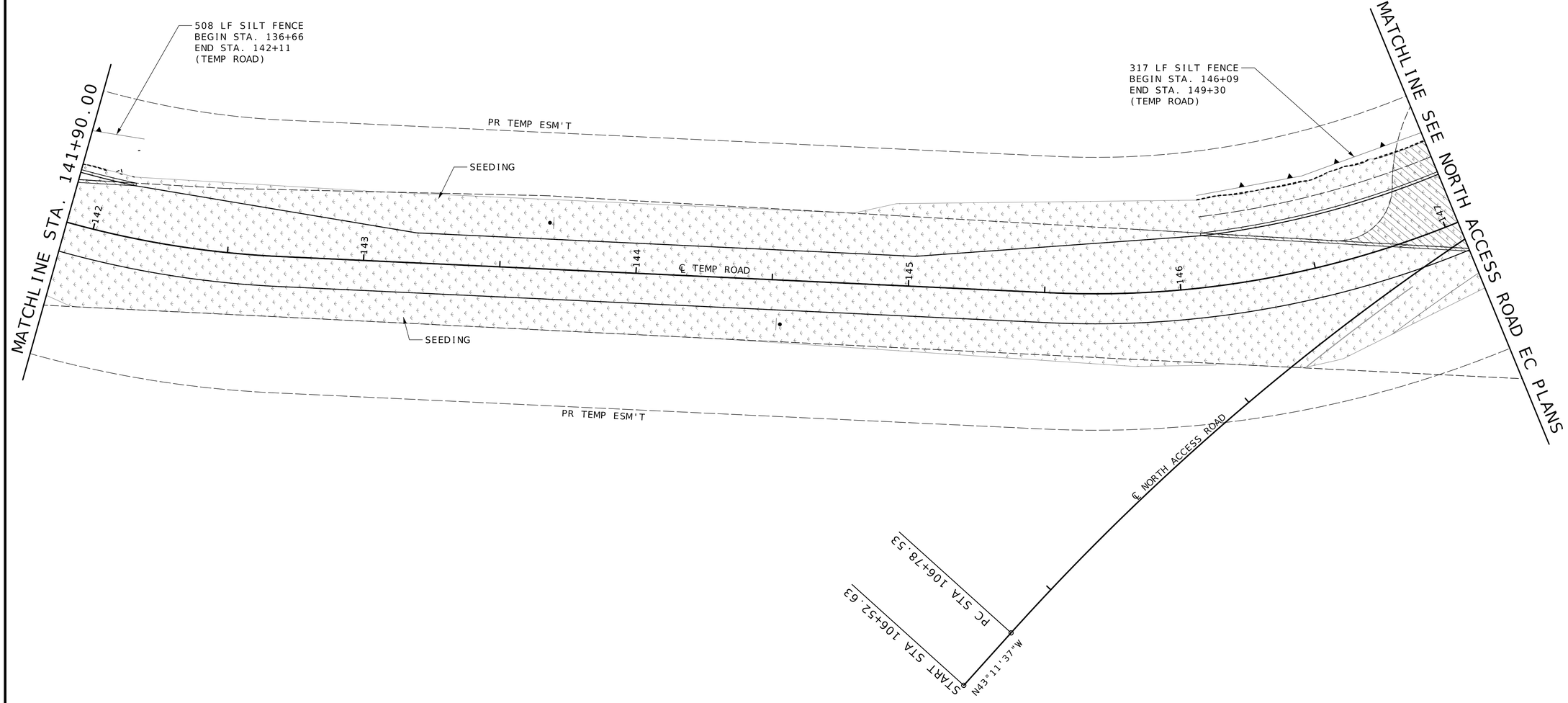
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND			
	SILT FENCE		
	TYPE 1 ROCK BLANKET		SEEDING OR SODDING
	TYPE 2 ROCK BLANKET		
	ROCK LINING		
R	TYPE 2 DITCH CHECKS		

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

SCALE
0 20 40 60

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	70

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

EROSION CONTROL
SHEET 14 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

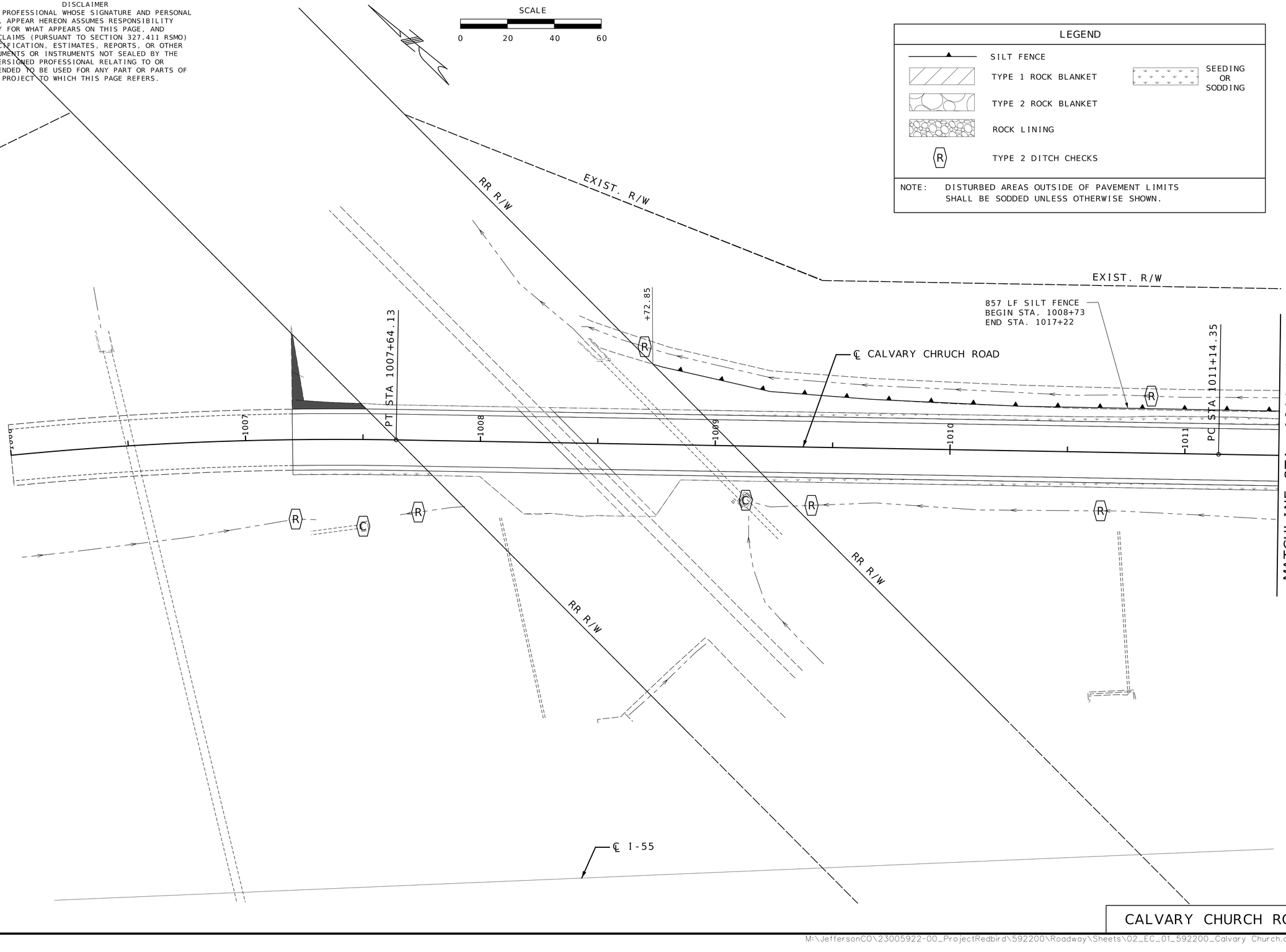
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	71

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 15 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

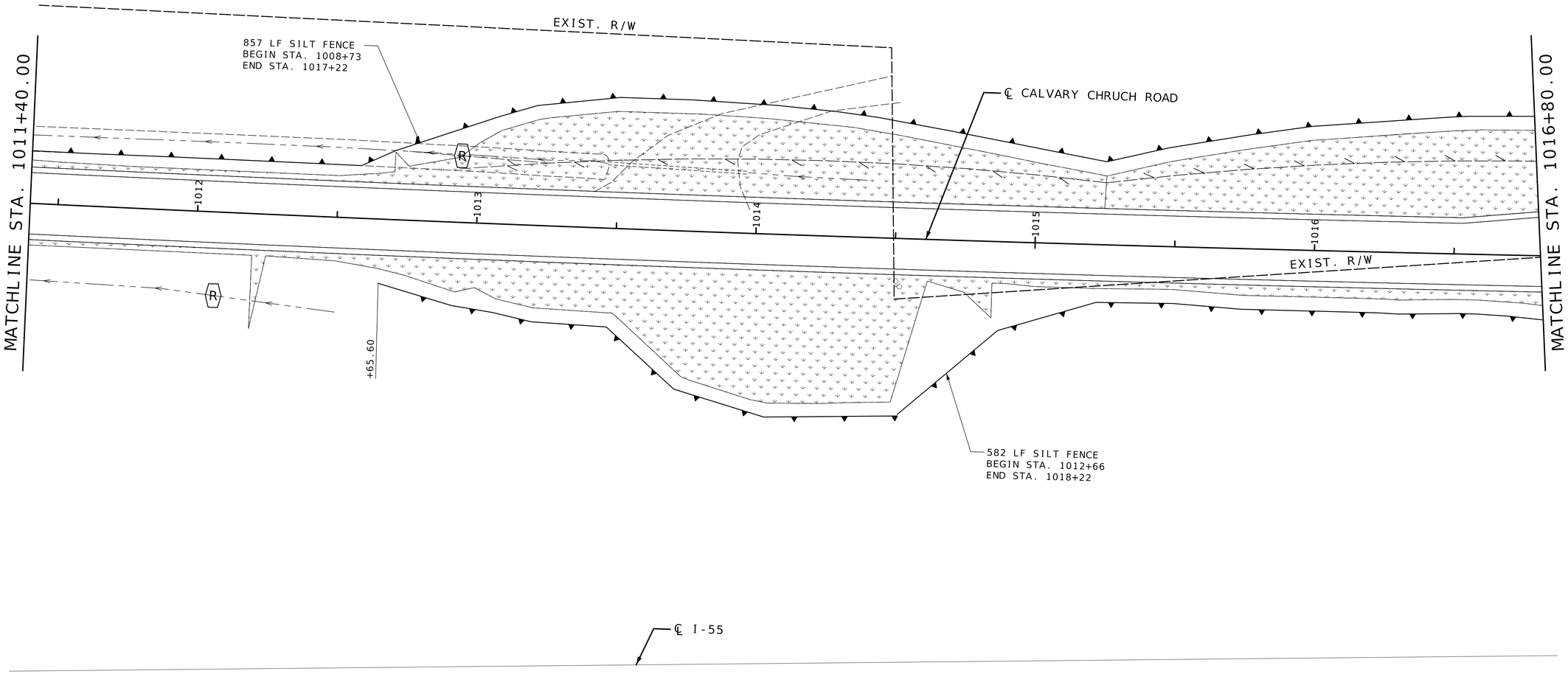
SCALE

0 20 40 60

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



CALVARY CHURCH ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	72

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 16 OF 22

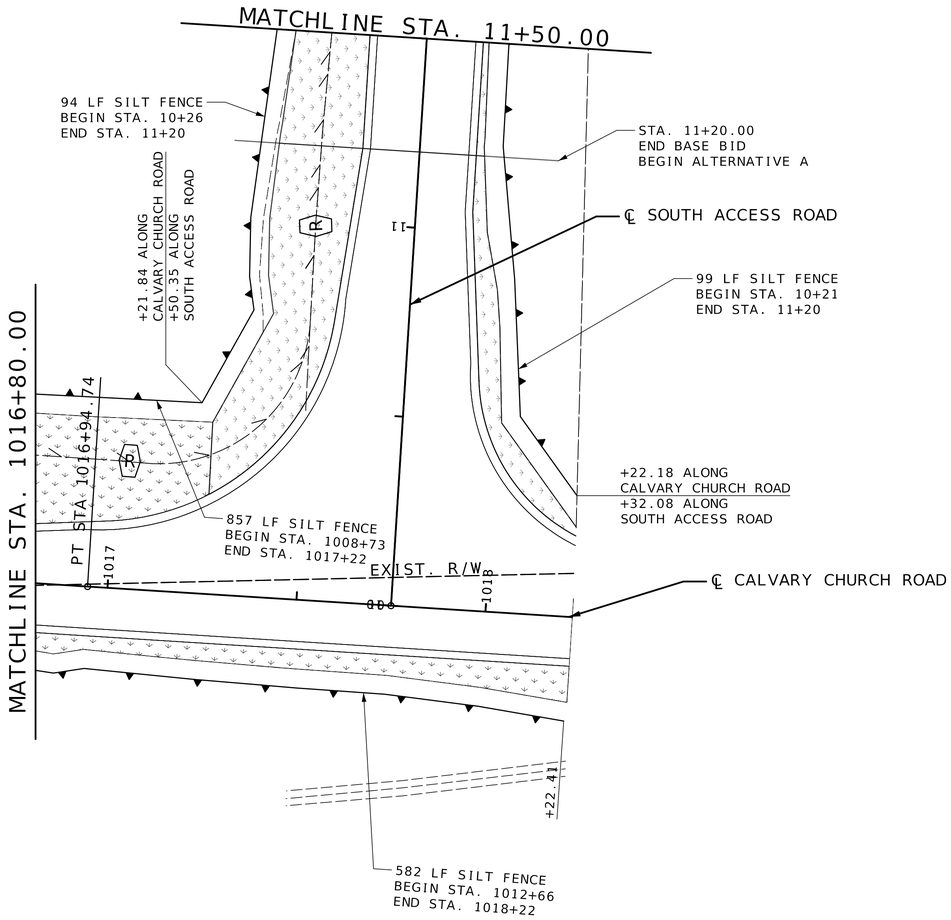
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_EC_02_592200_Calvary Church.dgn 2:03:37 PM 10/16/2024

SCALE

0 20 40 60



DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

STATE OF MISSOURI
TODD EHLEN
NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	73

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

EROSION CONTROL
SHEET 17 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

CALVARY CHURCH ROAD

SCALE

0 20 40 60

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED	
10/16/2024	
STATE	SHEET NO.
MO	74
COUNTY	
JEFFERSON	
JOB NO.	
SNS-0025	

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

DESCRIPTION

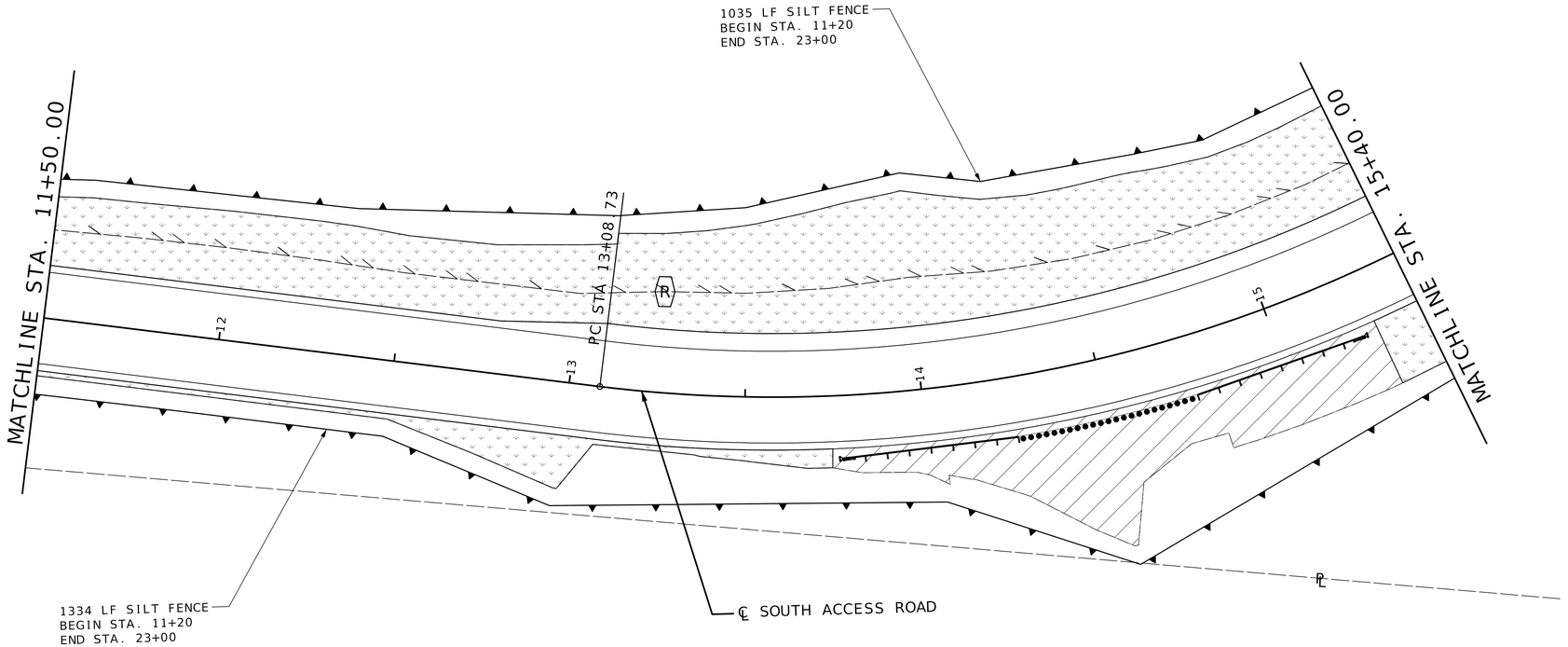
DATE

REV.

LEGEND

- SILT FENCE
- TYPE 1 ROCK BLANKET
- TYPE 2 ROCK BLANKET
- ROCK LINING
- (R) TYPE 2 DITCH CHECKS
- SEEDING OR SODDING

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



SOUTH ACCESS ROAD

EROSION CONTROL
SHEET 18 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

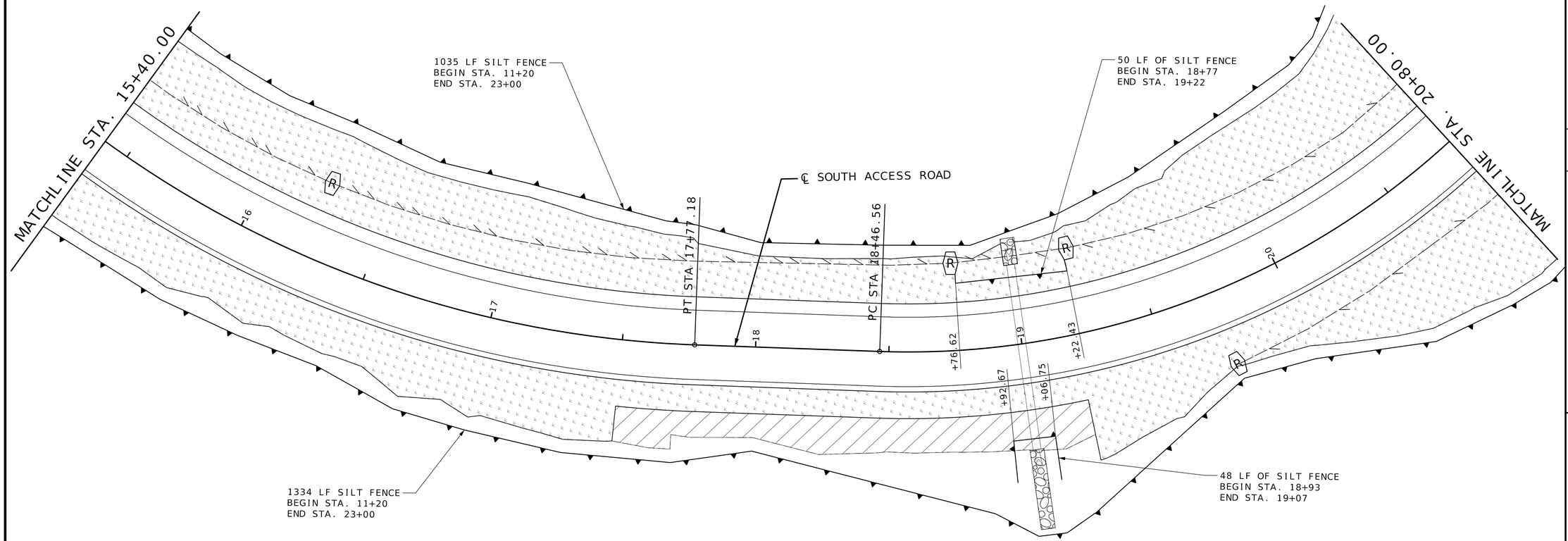
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_EC_01_592200_South Access.dgn 2:03:45 PM 10/16/2024

SCALE

0 20 40 60

LEGEND			
	SILT FENCE		
	TYPE 1 ROCK BLANKET		SEEDING OR SODDING
	TYPE 2 ROCK BLANKET		
	ROCK LINING		
R	TYPE 2 DITCH CHECKS		

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



SOUTH ACCESS ROAD

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	75

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043-3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

EROSION CONTROL
SHEET 19 OF 22

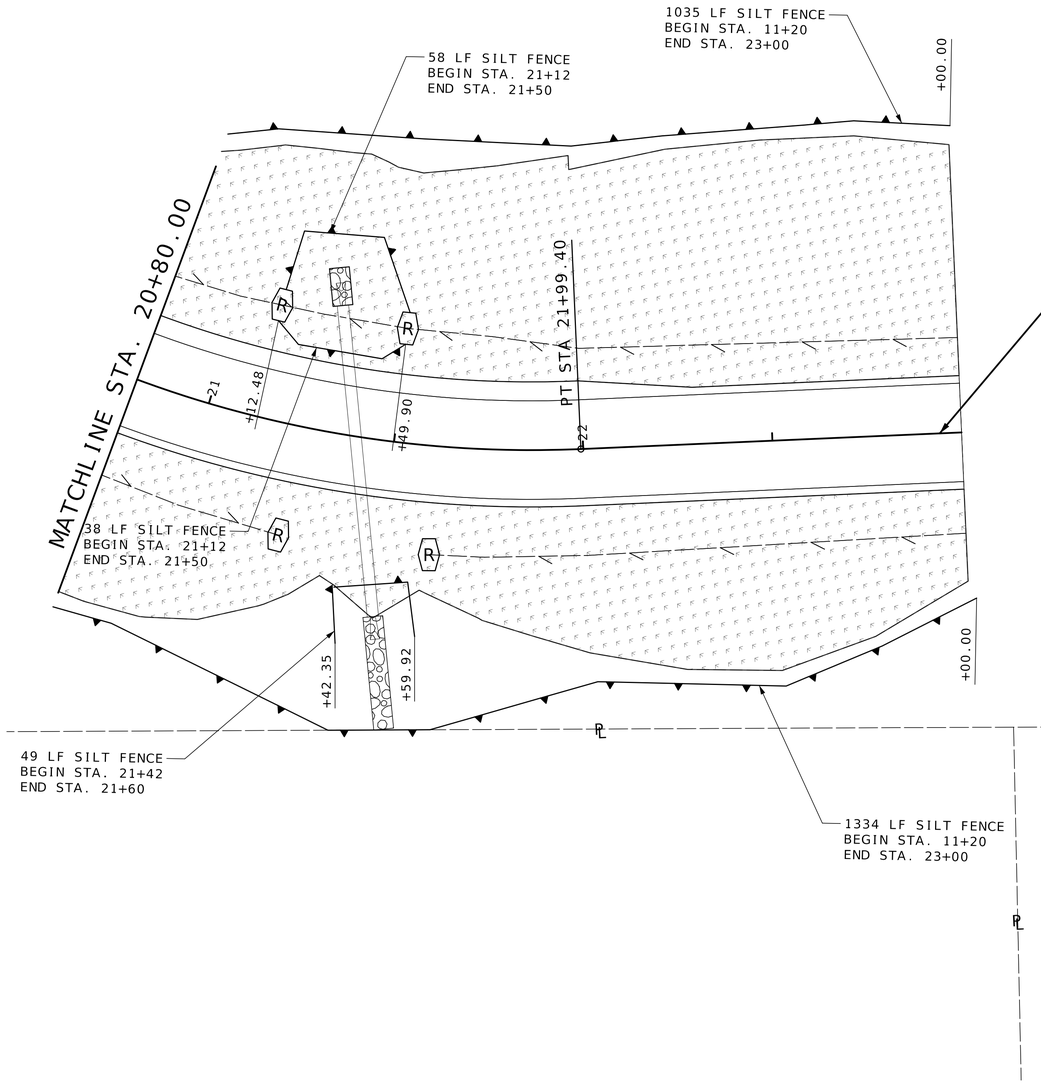
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

SCALE

0 20 40 60

LEGEND	
SILT FENCE	
TYPE 1 ROCK BLANKET	SEEDING OR SODDING
TYPE 2 ROCK BLANKET	
ROCK LINING	
R TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.



SOUTH ACCESS ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	76

COUNTY
JEFFERSON

JOB NO.
SNS-0025

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

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-8500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 20 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

CURB INLET CHECK
STA. 13+70

CURB INLET CHECK
STA. 13+09

EX. ROW

EX. ROW

EX. ROW

℄ US 61

9 10 11 12 13

MATCHLINE STA. 13+90.00

+53.24

594' SILT FENCE
BEGIN STA. 9+53
END STA. 15+47

EX. ROW

EX. ROW

LEGEND

SILT FENCE	
TYPE 1 ROCK BLANKET	SEEDING OR SODDING
TYPE 2 ROCK BLANKET	
ROCK LINING	
(R) TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE	SHEET NO.
MO	77

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

EROSION CONTROL
SHEET 21 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_EC_01_592200_61_67.dgn 10:29:53 AM 10/21/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

+56.89
ALONG US67

+31.42
ALONG US67

℄ US 67

31' SILT FENCE
BEGIN STA. 1088+31
END STA. 1088+57

CURB INLET CHECK
STA. 1088+29

CURB INLET CHECK
STA. 1087+55

CURB INLET CHECK
STA. 1087+67

EX. ROW

MATCHLINE STA. 13+90.00

℄ US 61

14 15 16 17 18 19

1088

1087

1086

1085

STA 1085+29.93

+17.94

EX. ROW

593' SILT FENCE
BEGIN STA. 9+53
END STA. 15+47

EX. ROW

+45.32
ALONG US67

CURB INLET CHECK
STA. 1085+60

+62.01

84' SILT FENCE
BEGIN STA. 1084+63
END STA. 1085+45

+63.12
ALONG US67

EX. ROW

+85.33

308' SILT FENCE
BEGIN STA. 16+62
END STA. 17+85

EX. ROW

LEGEND	
SILT FENCE	
TYPE 1 ROCK BLANKET	SEEDING OR SODDING
TYPE 2 ROCK BLANKET	
ROCK LINING	
(R) TYPE 2 DITCH CHECKS	

NOTE: DISTURBED AREAS OUTSIDE OF PAVEMENT LIMITS SHALL BE SODDED UNLESS OTHERWISE SHOWN.

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	78

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

EROSION CONTROL
SHEET 22 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JCT JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (OPT LIM CONV)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (OPT LIM)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (PEDESTRIAN)	ITS PULL BOX TYPE 2	CONDUIT TRENCHED
SIGNAL HEAD (STANDARD)	ITS PULL BOX TYPE 5	SPAN WIRE
		MAST ARM - TYPE A BASE
		MAST ARM - TYPE C BASE
		MAST ARM - TYPE F BASE

NOTES:

1. SEE SIGN DETAIL SHEETS FOR STREET SIGN DETAILS.

2. ALL EXISTING CONDUIT ON SIGNALS WITH FULL REPLACEMENTS SHALL BE ABANDONED IN PLACE AND CABLES PULLED OUT.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE	SHEET NO.
MO	79

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

SIGNAL SHEET
SHEET 1 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

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

SCALE
0 20 40 60

NEXT SIGNAL 6700'
OLD ENGLAND RD
1.07%
SPEED LIMIT = 45 MPH

℄ US 67

EXIST. MEDIAN (MODIFY)

EXIST. ITS CONDUIT & CABLE (UIP)

EXIST. AMEREN LIGHT (UIP)

D3-1 STREET SIGN
American Legion Dr

COMMERCIAL

EXIST. ITS CONDUIT & CABLE (UIP)
EXIST. MASTER ITS CONTROLLERS (UIP)
EXIST. SIGNAL CONTROLLER (R)
EXIST. ITS PB (ATG)
EX FOC (TBR & REL) EX CONDUIT (TBR)
PROP. SIGNAL CONTROLLER
EXIST. ITS UPS (UIP)
PROP. CLASS 5 ITS PB (R & REPLACE EX PB)
EXIST. POWER SUPPLY (UIP CONC. BASE & ITS METER, REMOVE SIGNAL METER)
EXIST. AMEREN POWER SOURCE (UIP)

NEXT SIGNAL N/A
4.02%
SPEED LIMIT = 40 MPH

EXIST. R/W

R 67'

55' MAST ARM

EXIST. CONDUIT (TBA)
EXIST. CABLE (TBR)

EXIST. CCTV (UIP)

EXIST. CCTV CONDUIT (UIP)
EXIST. CCTV CABLE (TBR)
ADD 1-CCTV CABLE

PROP. PB (R & REPLACE EX PB)

EXIST. ISLAND (MODIFY)

D3-1 STREET SIGN
Truman Blvd

12' LANE

EXIST. PB (R)

EXIST. POST & MAST ARM (R)

35' MAST ARM

EXIST. PB (R)

EXIST. CONDUIT (TBA)
EXIST. CABLE (TBR)

EXIST. ISLAND, POST, & MAST ARM (R)

30' MAST ARM

15+33.73 = 1087+11.15

PROP. POWER SUPPLY*

℄ AMERICAN LEGION DR

10' LANE
11' LANE
11' LANE

30' MAST ARM

EXIST. POST & MAST ARM (R)
EXIST. PB (R)

EXIST. PB (R)

EXIST. ISLAND (R)

EXIST. POST & MAST ARM (R)

55' MAST ARM

EXIST. AMEREN LIGHT (RBO)

EXIST. CONDUIT (TBA)
EXIST. CABLE (TBR)

EXIST. MEDIAN (MODIFY)

PROP. 40' MAST ARM (SIGNING ONLY)

D3-1 STREET SIGN
American Legion Dr

EXIST. ITS CONDUIT & CABLE (UIP)

EXIST. ITS PB (ATG)

3" CONDUIT FOR AMEREN LIGHT
AMEREN INSTALLED STREET LIGHT

COMMERCIAL

3" CONDUIT FOR AMEREN LIGHT

D3-1 STREET SIGN
Truman Blvd

EXIST. AMEREN LIGHT (RBO)

PROP. ISLAND (6" CONCRETE)

EXIST. ISLAND (MODIFY)

AMEREN INSTALLED STREET LIGHT

EXIST. ITS CONDUIT & CABLE (UIP)

RESIDENTIAL

EXIST. R/W

R 60'

NEXT SIGNAL 1000'
ST PLUS SPUR
0.34%
SPEED LIMIT = 45 MPH

℄ US 61

12' LANE
12' LANE
12' LANE
12' LANE

Ø1	Ø2	Ø3	Ø4
Ø5	Ø6	Ø7 NOT USED	Ø8 NOT USED

REMARKS

* POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. 240V METER SLOT SHALL BE EMPTY, LIGHTING CONTROLLER NOT USED AT THIS INTERSECTION.

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE	SHEET NO.
MO	80

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 2 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | | | | | | | | | | | | | PULL BOX | | | | | | | | | | | | | | | | | | POST | | | | | | | | | | | | | | | | | | |

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL **	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UIP3	27'					(35')										SOURCE TO SUPPLY
UIP3		88'		96'													SUPPLY TO CONTROLLER
	15	31'		34'													CONTROLLER TO EX15
	2	7'		10'													CONTROLLER TO PB2
	1	18'			42'												CONTROLLER TO PB1 (2)
1	1	23'			26'												PB1 TO POST1
1	3	93'							91'								PB1 TO PB3
1	5	147'							145'								PB1 TO PB5
3	2	6'			9'												PB3 TO POST2
3	4	128'							126'								PB3 TO PB4
4	3	8'			11'												PB4 TO POST3
5	4	8'			11'												PB5 TO POST4
5	6	7'			5'												PB5 TO PB6
6	UIP	11'															PB6 TO EX CCTV (UIP)
15	ITS	13'															EX15 TO ITS CONTR. (UIP)
....	....	20'			20'												PARCEL 11 CONDUIT
PS	LIGHT	27'			43'												AMEREN LIGHTING
PS	LIGHT	96'			112'												AMEREN LIGHTING
SUBTOTALS				140'	279'		(35')		362'								
TOTALS				140'	279'		(35')		362'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			FIBER OPTIC CABLE		CCTV CAMERA CABLE	REMARKS
			1c #8	1c #2 **	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE*	24 SM STRAND (18 SINGLE, 6 MULTI)	EXIST RELOC.		
PS	UIP3	27'		(210')														SOURCE TO SUPPLY (3)
UIP3		88'	312'															SUPPLY TO CONTROLLER (3)
	ITS	44'													122'			CONTR. TO ITS CONTR.
	2	7'														22'		CONTROLLER TO PB2 (ITS)
	1	41'					111'											SIGNAL HEAD 61
	1	41'					100'											SIGNAL HEAD 62
	1	41'												(120')				VIDEO V1
	2	117'					186'											SIGNAL HEAD 31
	2	117'					174'											SIGNAL HEAD 32
	2	117'					162'											SIGNAL HEAD 33
	2	117'					150'											SIGNAL HEAD 52
	2	117'												(194')				VIDEO V2
	3	247'					349'											SIGNAL HEAD 51
	3	247'					335'											SIGNAL HEAD 21
	3	247'					323'											SIGNAL HEAD 22
	3	247'					286'											SIGNAL HEAD 45
	3	247'												(343')				VIDEO V3
	4	173'					244'											SIGNAL HEAD 41
	4	173'					232'											SIGNAL HEAD 42
	4	173'					218'											SIGNAL HEAD 43
	4	173'					269'											SIGNAL HEAD 11
	4	173'					206'											SIGNAL HEAD 12
	4	173'												(252')				VIDEO V4
		183'															259'	CCTV
SUBTOTALS			312'	(210')			3345'							(909')	122'	22'	259'	
5% FOR SNAKING			328'	(221')			3512'							(954')	128'	23'	272'	
TOTALS			330'	(230')			3520'							(960')	130'	30'	280'	

SPECIAL NOTE: CONTRACTOR SHALL REFER TO PROJECT JOB SPECIAL PROVISIONS FOR PARCEL 11 CONDUIT REQUIREMENTS. NO DIRECT PAY FOR CAPPING ENDS OF CONDUIT

REMARKS

* NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
** QUANTITY SHOWN FOR INFORMATION PURPOSES. NO DIRECT PAY.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

US ROUTE 61/US ROUTE 67/AMERICAN LEGION DRIVE
INTERSECTION

D-37B

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 82

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 4 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
US 67	1086+85.62	129.11' RT	Type	1	15 Amps	30 Amps	100 Amps	Amps		Amps	Cl. Ft.	PR
			Type		Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF * SWITCH		COORDINATION INTERFACE *					TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER							
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
US 67	1087+16.18	87.28' RT			1									1			1					

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
				ITEM NO. 90208.33	ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
3	R3-5L	30 X 36	7.5	22.5	3
2	R3-5R	30 X 36	7.5	15.0	2
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ***	96 X 18	12.0	24.0	2
2	D3-1***	84 X 18	9.9	19.8	2
	D3-1B ***	VAR. X 18			
	R10-3EL	9 X 15	0.9		
	R10-3ER	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
1	M1-1	24 X 24	4.0	4.0	1
2	M1-4	24 X 24	4.0	8.0	2
1	M3-1	24 X 12	2.0	2.0	1
1	M3-3	24 X 12	2.0	2.0	1
1	M4-5	24 X 12	2.0	2.0	1
2	M5-1L	21 X 15	2.2	4.4	2
1	M5-1R	21 X 12	2.2	2.2	1
			SUBTOTAL	105.9	18
			TOTAL	106	18

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION SYSTEM
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
V1	US 61 / 67 (WB)					V1
V2	US 61 (NB)					V2
V3	US 67 (EB)					V3
V4	AMERICAN LEGION DRIVE (SB)					V4
TOTAL						

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MODOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANACE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST.LOUIS DISTRICT APROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. 240V METER SLOT SHALL BE EMPTY, LIGHTING CONTROLLER NOT USED AT THIS INTERSECTION. CONCRETE BASE INCLUDED IN THE COST OF THE POWER SUPPLY. SEE DETAILS.

(5) ALL SIGNS SHALL CONFORM TO THE MUTCD (LATEST EDITION), UNLESS NOTED OTHERWISE. NO ADDITIONAL PAY FOR

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1			SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)					
	2								

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 WBL	Ø 2 EB	Ø 3 NB	Ø 4 SB	Ø 5 EBL	Ø 6 WB	NOT USED	NOT USED	OL A NB Rt	OL B SB Rt	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

MISC. {TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING}	MISC. {NETWORK CONNECTED SIGNAL MONITOR}	MISC. {ITS ASSET MANAGEMENT TOOL}	MISC. {CONNECT EXISTING CCTV CAMERA}
TOTAL = 1 LUMP SUM	TOTAL = 1 EACH	TOTAL = 1 LUMP SUM	TOTAL = 1 LUMP SUM
MISC. {INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER}	MISC. {CONTRACTOR FURNISHED AND INSTALLED IP-ADDRESSABLE POWER STRIP}	MISC. {INSTALL OR RELOCATE EXISTING COMMUNICATION EQUIPMENT}	MISC. {SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM}
TOTAL = 1 EACH	TOTAL = 1 EACH	TOTAL = 1 EACH	TOTAL = 1 EACH
MISC. {INSTALL CONDUIT INTO EXISTING BOX}	MISC. {WALL-MOUNT FIBER INTERCONNECT CENTER}	MISC. {RACK-MOUNT FIBER INTERCONNECT CENTER}	MISC. {SM FIBER OPTIC PIGTAIL}
TOTAL = 2 EACH	TOTAL = 1 EACH	TOTAL = 1 EACH	TOTAL = 8 EACH
MISC. {SM FIBER OPTIC JUMPER}	MISC. {FUSION SPLICE}		
TOTAL = 8 EACH	TOTAL = 10 EACH		

US ROUTE 61/US ROUTE 67/AMERICAN LEGION DRIVE
INTERSECTION

D-37C

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 83

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

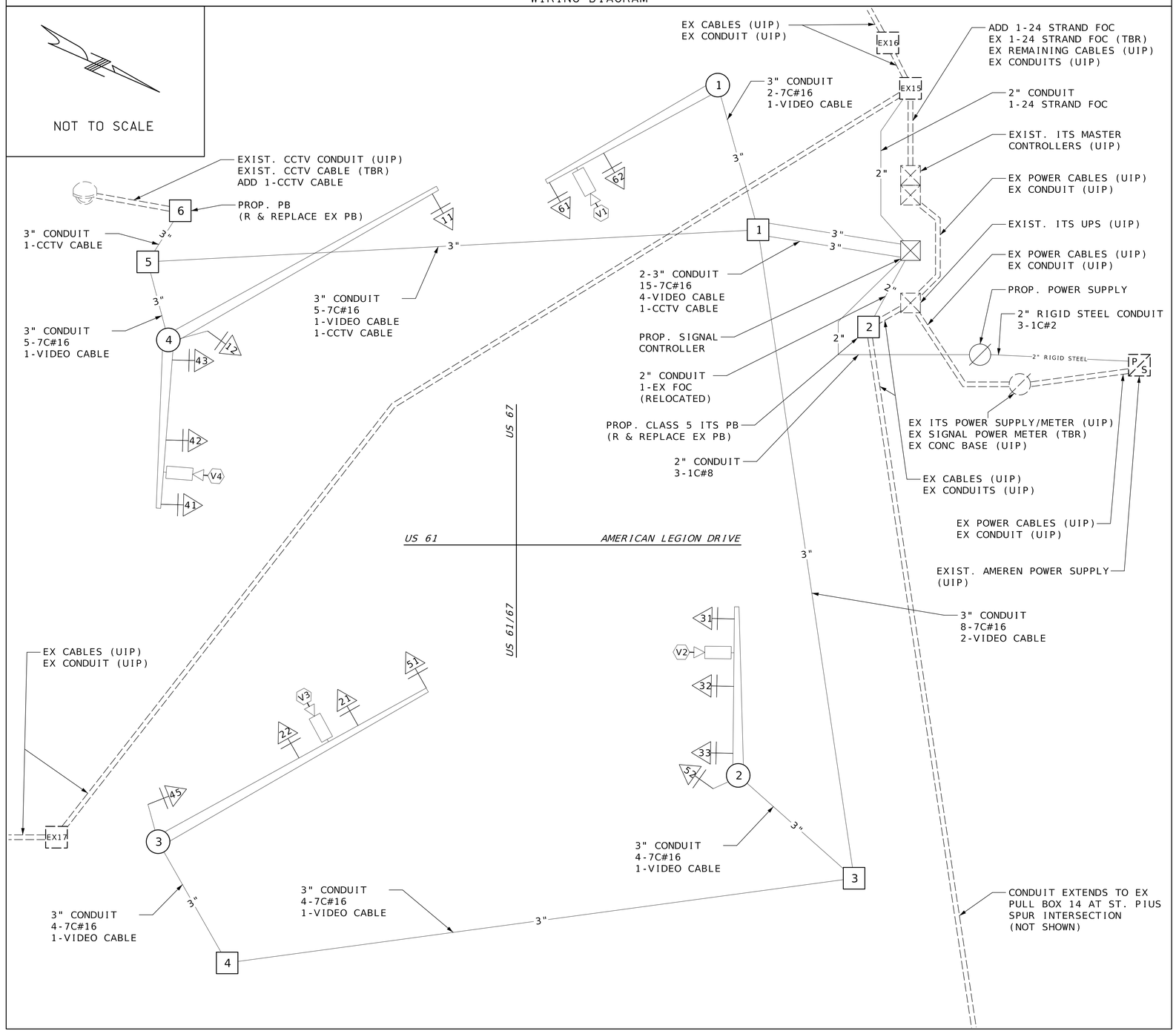
SIGNAL SHEET
SHEET 5 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

WIRING DIAGRAM

NOT TO SCALE



LEGEND

X"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
	EXISTING CONDUIT
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION CAMERA
	CCTV CAMERA
P/S	POWER SOURCE

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

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

DATE PREPARED: 9/30/2024
STATE: MO
SHEET NO.: 84
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT Inc
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 6 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

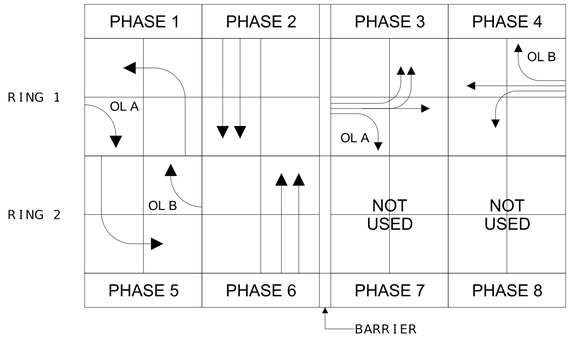
US ROUTE 61/US ROUTE 67/AMERICAN LEGION DRIVE
INTERSECTION

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

D-37D

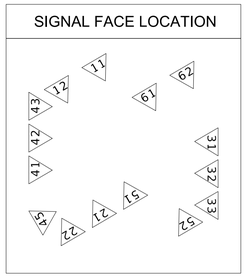
TRAFFIC PHASING AND COLOR SEQUENCE — ACTUATED CONTROLLERS

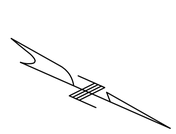
		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Ø 2	PED Ø 4	PED Ø 6	PED Ø 8	
								NOT USED	NOT USED	OL A	OL B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
FACE NUMBERS		11	21	31 32 33	41 42 43	51	61			33	43							FACE NUMBERS
		12	22		45	52	62											
SIGNAL INDICATIONS	R	RL	R	RL R R	RL R R	RL	R											R
	Y	YL	Y	YL Y Y	YL Y Y	YL	Y			YRt	YRt							Y
	FYA																	FYA
	G	L	S	L S G	L S G	L	S			Rt	Rt							G
				L														SIGNAL INDICATIONS
DETECTOR ASSIGNMENTS		V1	V3	V2 V2 V2	V4 V4 V4	V3	V1											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)																		
OVERLAP PARENT PHASES										1,3	4,5							



RING STRUCTURE

SIGNAL FACE LOCATION





IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRt	YELLOW RIGHT ARROW
Rt	GREEN RIGHT ARROW
YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF US 61 / US 67 & US 61 / AMERICAN LEGION DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION. ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 9/30/2024
STATE MO | SHEET NO. 85
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

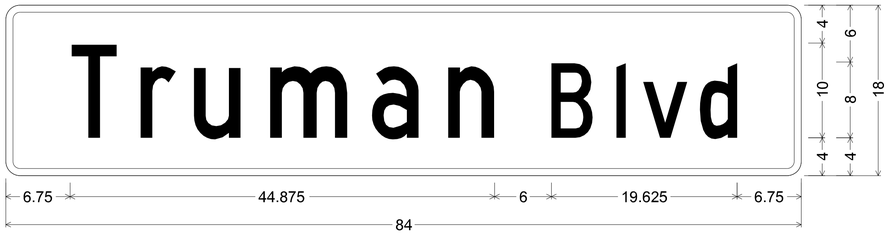
SIGNAL SHEET
SHEET 7 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US ROUTE 61/US ROUTE 67/
AMERICAN LEGION DR

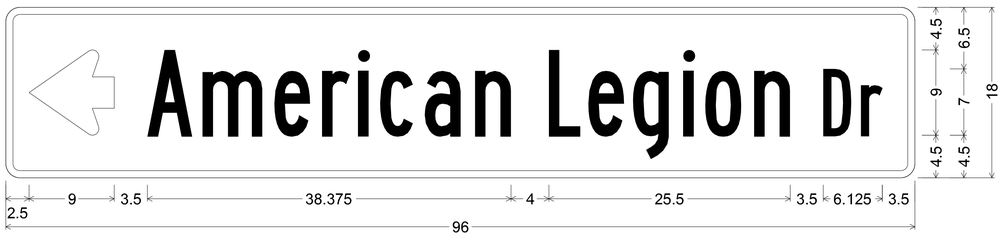
D-38A

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Truman", C; "Blvd", C;
Table of letter and object lefts

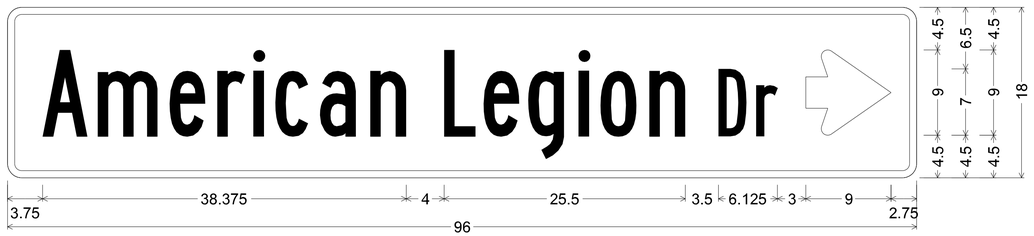
T	r	u	m	a	n	B	l	v	d
6.750	14.250	19.875	27.875	38.625	46.750	57.625	64.375	67.250	73.250



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
Standard Arrow Custom 9.000" X 9.000" 180'; "American Legion", B 60% spacing; "Dr", B 60% spacing;
Table of letter and object lefts

	A	m	e	r	i	c	a	n	L	e	g	i	o	n
2.500	15.000	20.750	28.375	33.375	37.250	39.500	44.250	49.500	57.375	61.500	66.250	71.500	73.875	79.000

D	r
86.375	90.250



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"American Legion", B 60% spacing; "Dr", B 60% spacing; Standard Arrow Custom 9.000" X 9.000" 0';
Table of letter and object lefts

A	m	e	r	i	c	a	n	L	e	g	i	o	n
3.750	9.500	17.125	22.125	26.000	28.250	33.000	38.250	46.125	50.250	55.000	60.250	62.625	67.750

D	r	
75.125	79.000	84.250

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE	SHEET NO.
MO	86

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

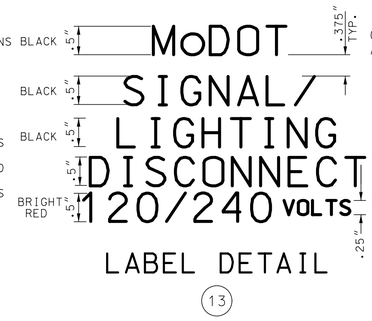
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 8 OF 16

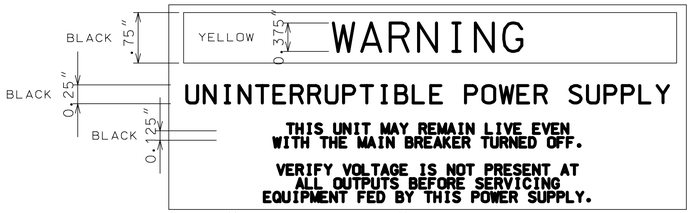
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

GENERAL NOTES:

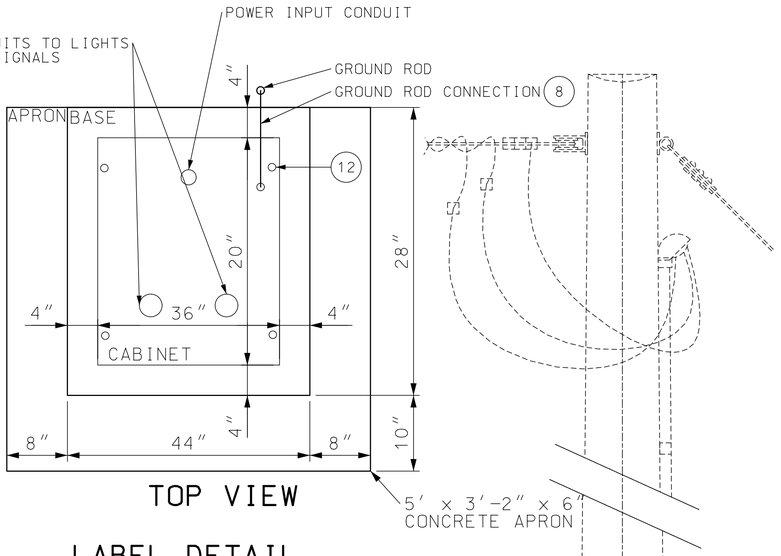
1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON THE DRAWING SHALL BE INCLUDED IN PRICE BID FOR 'PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY.' CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN THE BID PRICE.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF A UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK, AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.



LABEL DETAIL (13)

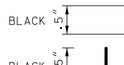


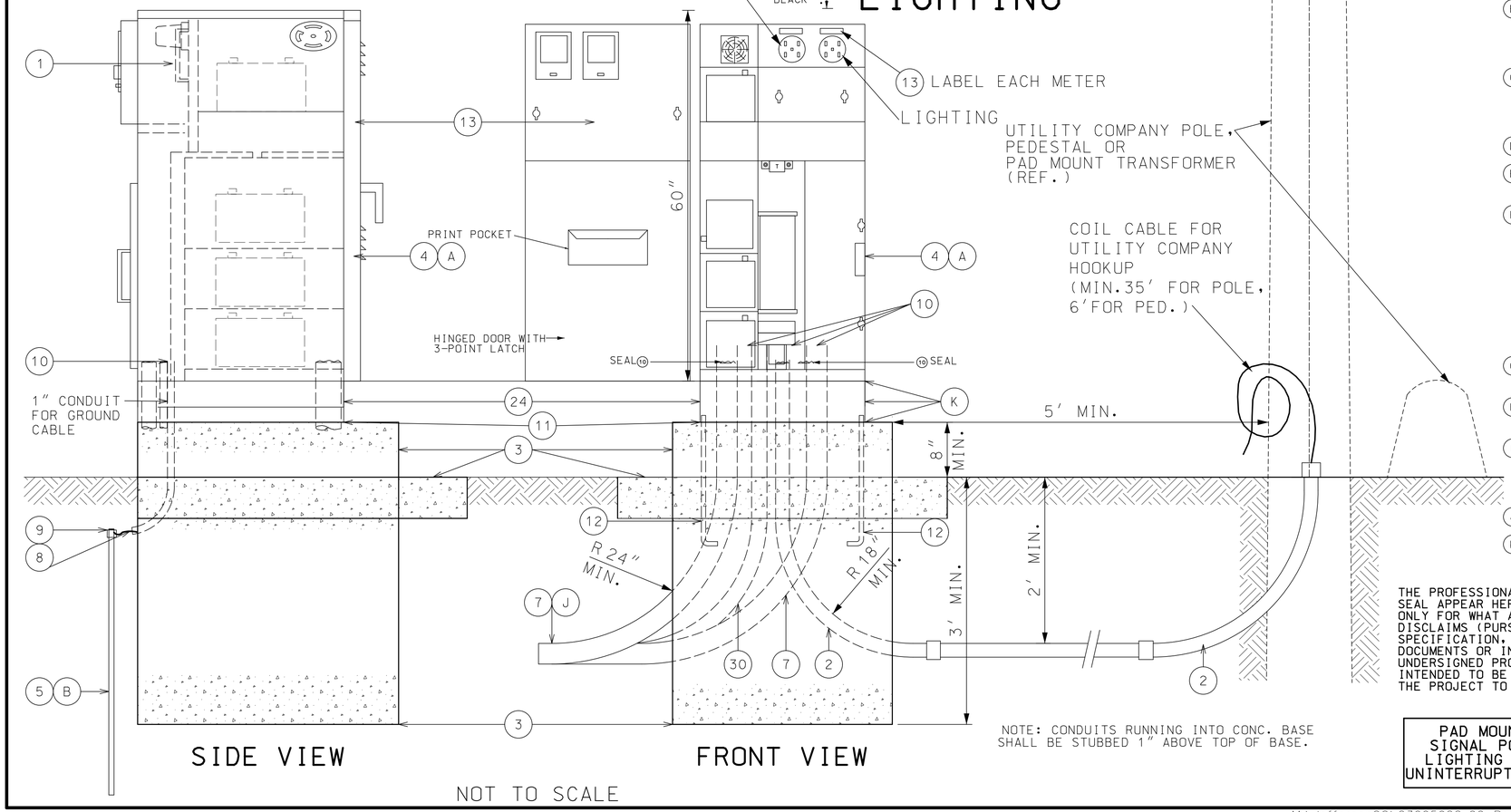
5" x 3 1/2" YELLOW LABEL
(UNDER SIGNAL METER ON LOWER DOOR)



TOP VIEW

LABEL DETAIL (13)





SIDE VIEW FRONT VIEW

NOT TO SCALE

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 87

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

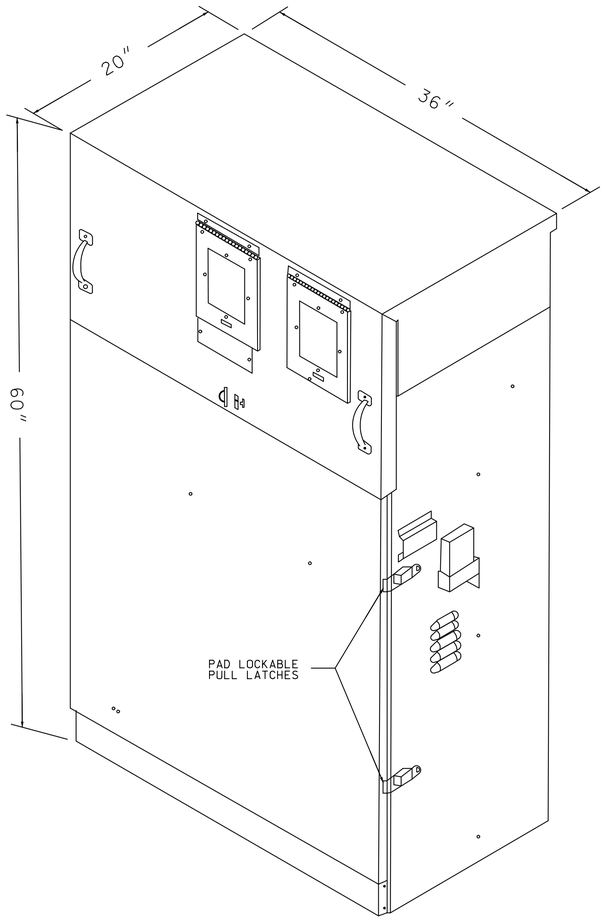
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

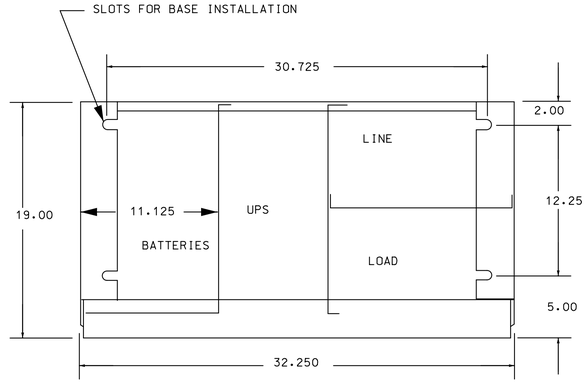
CMT
CRAWFORD, MURPHY & TILLY, INC.
STE. MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63141-8500
ENGINEERING CORPORATION - 000631

© Copyright CMT Inc

SIGNAL SHEET
SHEET 9 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

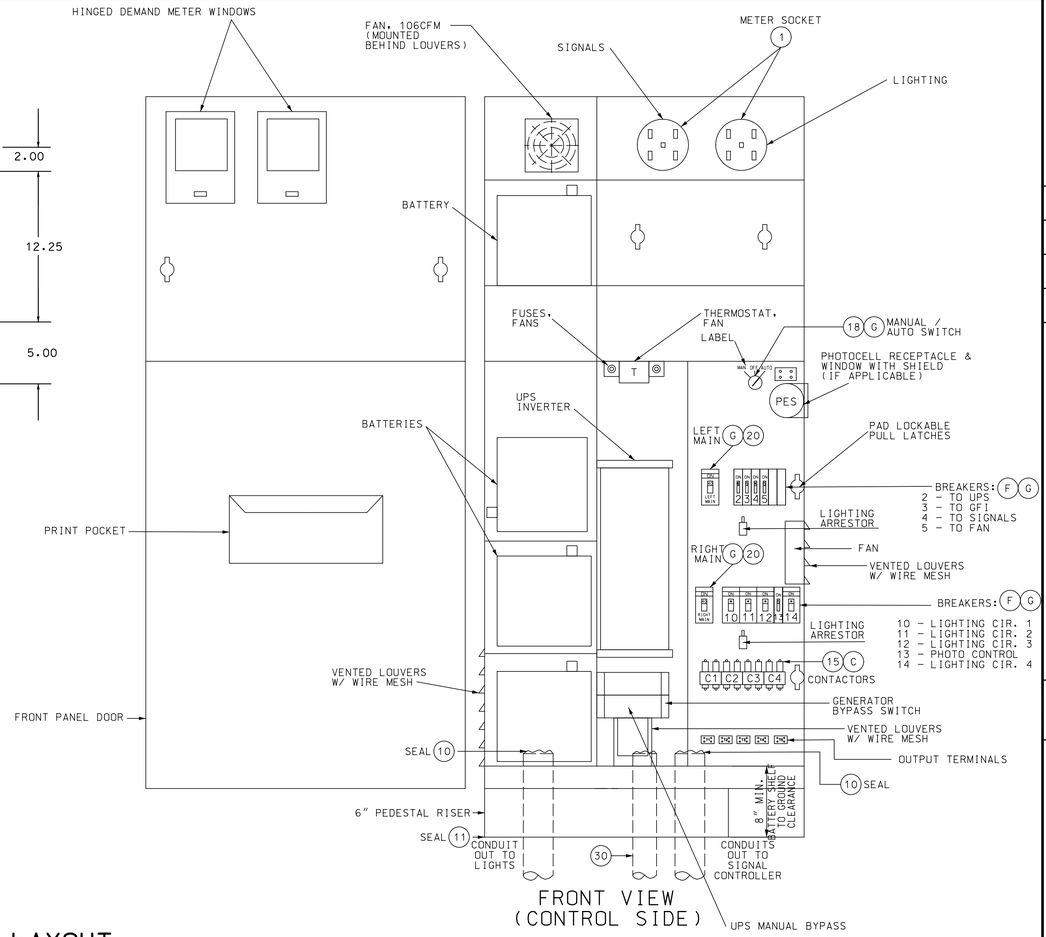




PEDESTAL PLAN VIEW

MOUNTING SLOT DETAIL

NOTE: WHERE SPACE PROVIDES, UPS SHALL HAVE ADDITIONAL LABELS DENOTING 'LIGHTING' CONTROLS



FRONT VIEW
(CONTROL SIDE)

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

EQUIPMENT LAYOUT

NOT TO SCALE

LIST OF MATERIALS			
ITEM	DESCRIPTION		
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS		
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES		
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)		
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET		
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)		
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT		
7	2" MIN. SCH 40 PVC CONDUIT (REF.)		
8	#2 AWG MIN., 600 V., GROUND CABLE		
9	EXOTHERMIC WELD WIRE TO ROD		
10	PLIABLE SEALANT		
11	LIFETIME SILICONE CAULK		
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED		
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)		
14	INSULATED TERMINAL BLOCK		
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR		
16	2-POLE, 650 VOLT LIGHTNING ARRESTER		
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH		
18	MANUAL-AUTO SWITCH		
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP		
20	2-POLE, TYPE A MAIN BREAKER	26	30A GENERATOR MALE BASE
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS ✳	27	INVERTER (1100VA MINIMUM)
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS ✳	28	1-POLE, 40 AMP, TYPE B UPS BREAKER
23	#2 AWG MIN., 600 V., POWER CABLE ✳	29	1-POLE, 15 AMP, TYPE B FAN BREAKER
24	6" PEDESTAL RISER	30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)	✳	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE: MO | SHEET NO.: 88

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

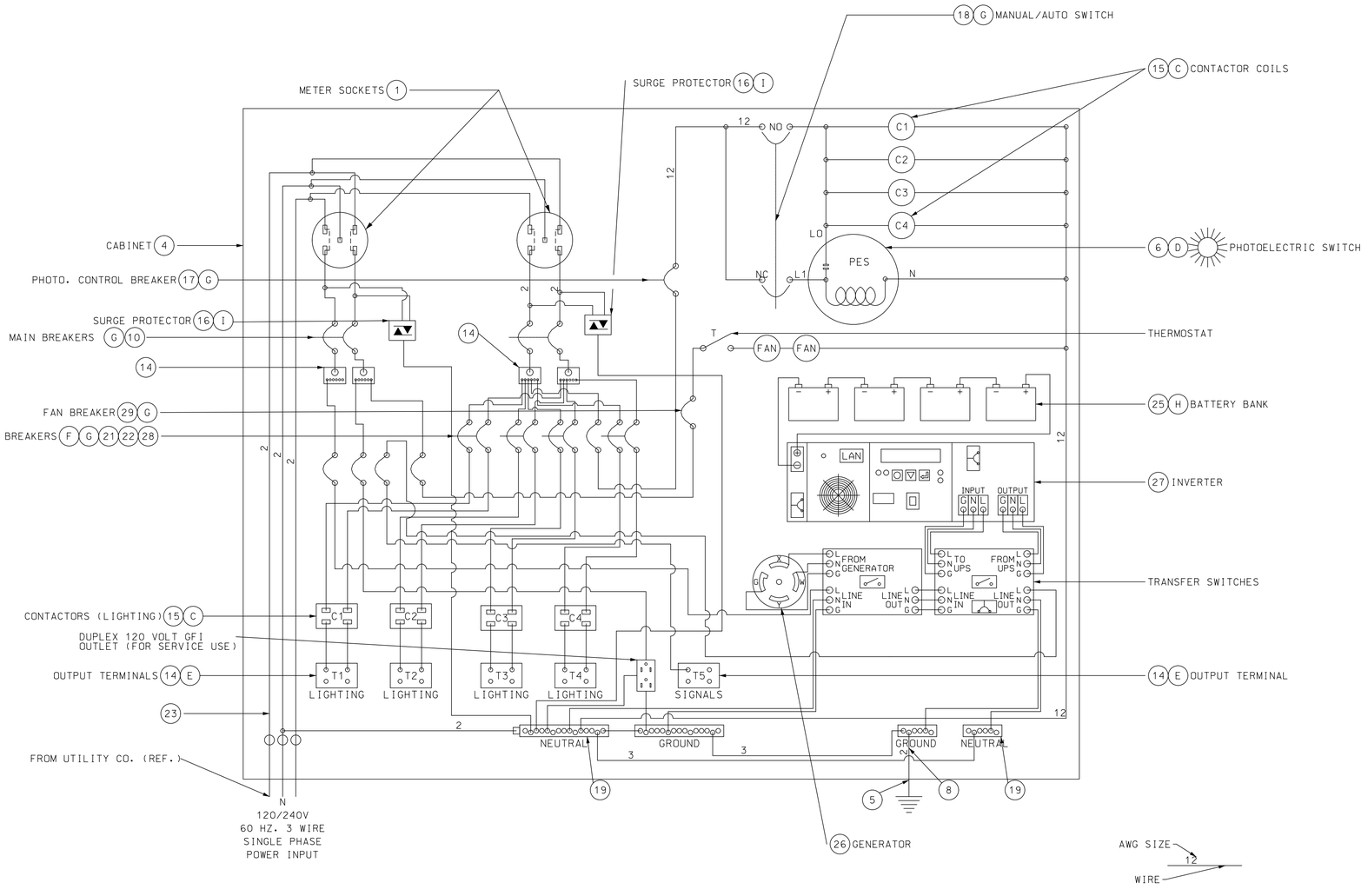
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

SIGNAL SHEET
SHEET 10 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



WIRING DIAGRAM

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS ✳
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS ✳
23	#2 AWG MIN., 600 V., POWER CABLE ✳
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
✳	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE MO | SHEET NO. 89

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

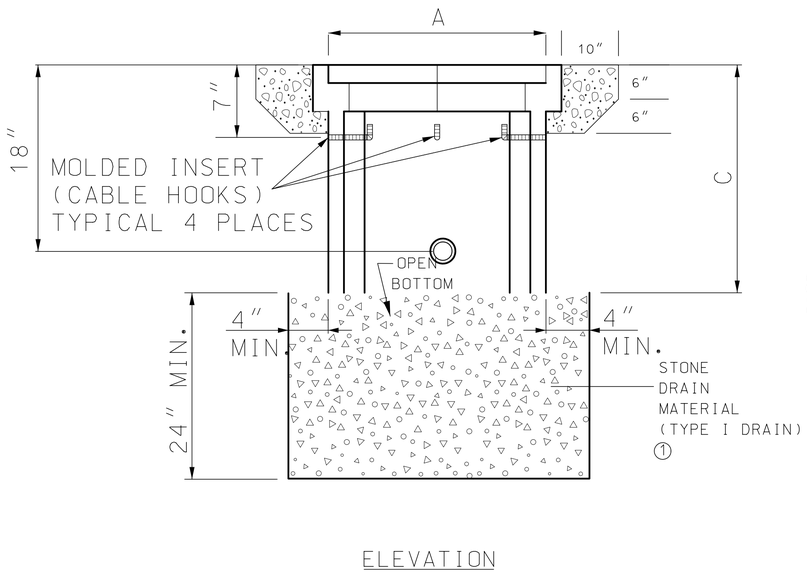
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 11 OF 16

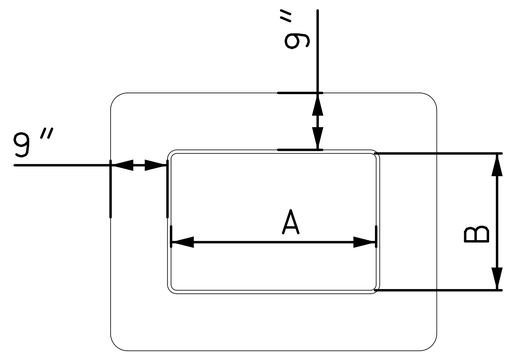
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

ITS PULL BOXES WITH CONCRETE PADS

CLASS 2 ITS PULLBOX WITH CONCRETE PAD

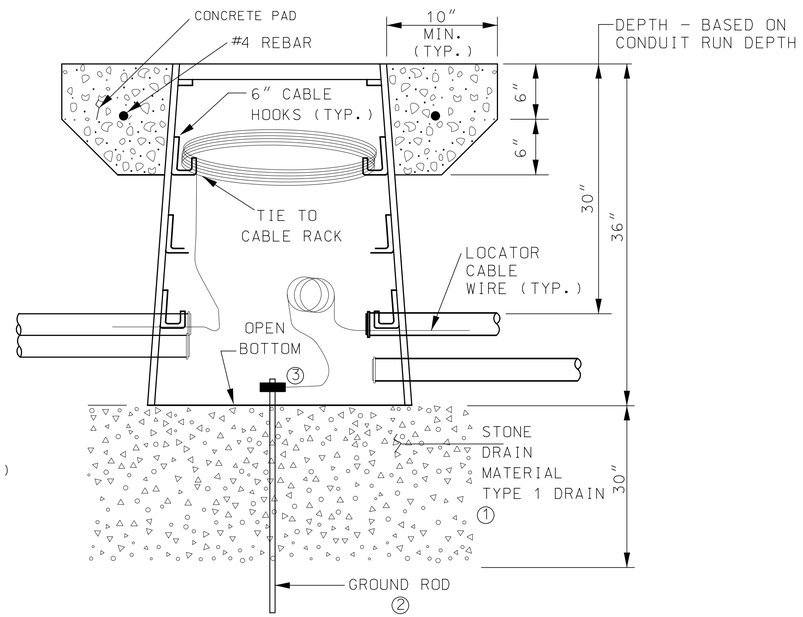


ELEVATION

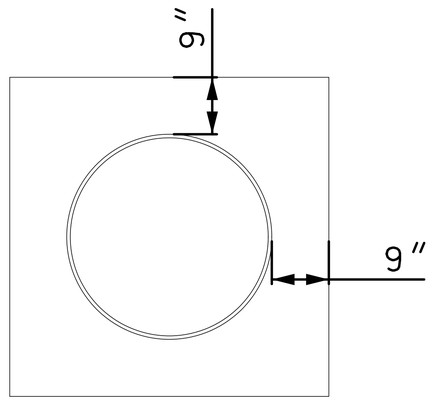


PLAN

CLASS 5 ITS PULLBOX WITH CONCRETE PAD



ELEVATION

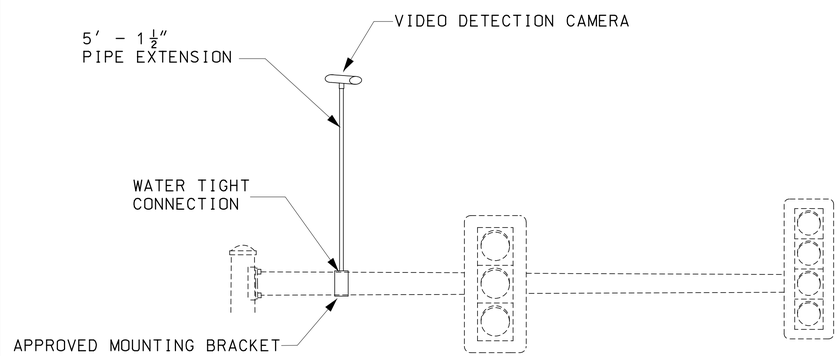


PLAN

1. PROVIDE TYPE II DRAIN AS DIRECTED BY ENGINEER. SEE STANDARD PLAN 902.20 FOR TYPE II DRAIN DETAILS.
2. GROUND ROD ONLY REQUIRED IN PULL BOX NEAREST TO AN ITS OR SIGNAL CABINET.
3. IN THE PULL BOX NEAREST THE ITS OR SIGNAL CABINET, CONNECT THE TRACER WIRE TO A GROUND ROD CLAMP AND PROVIDE 5 FEET OF SLACK.

FOR PULL BOX DIMENSIONS SEE STANDARD PLAN 902.20

VIDEO DETECTION CAMERA MOUNTING



CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH

US 61/67 INTERSECTION

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE: MO
SHEET NO.: 90

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

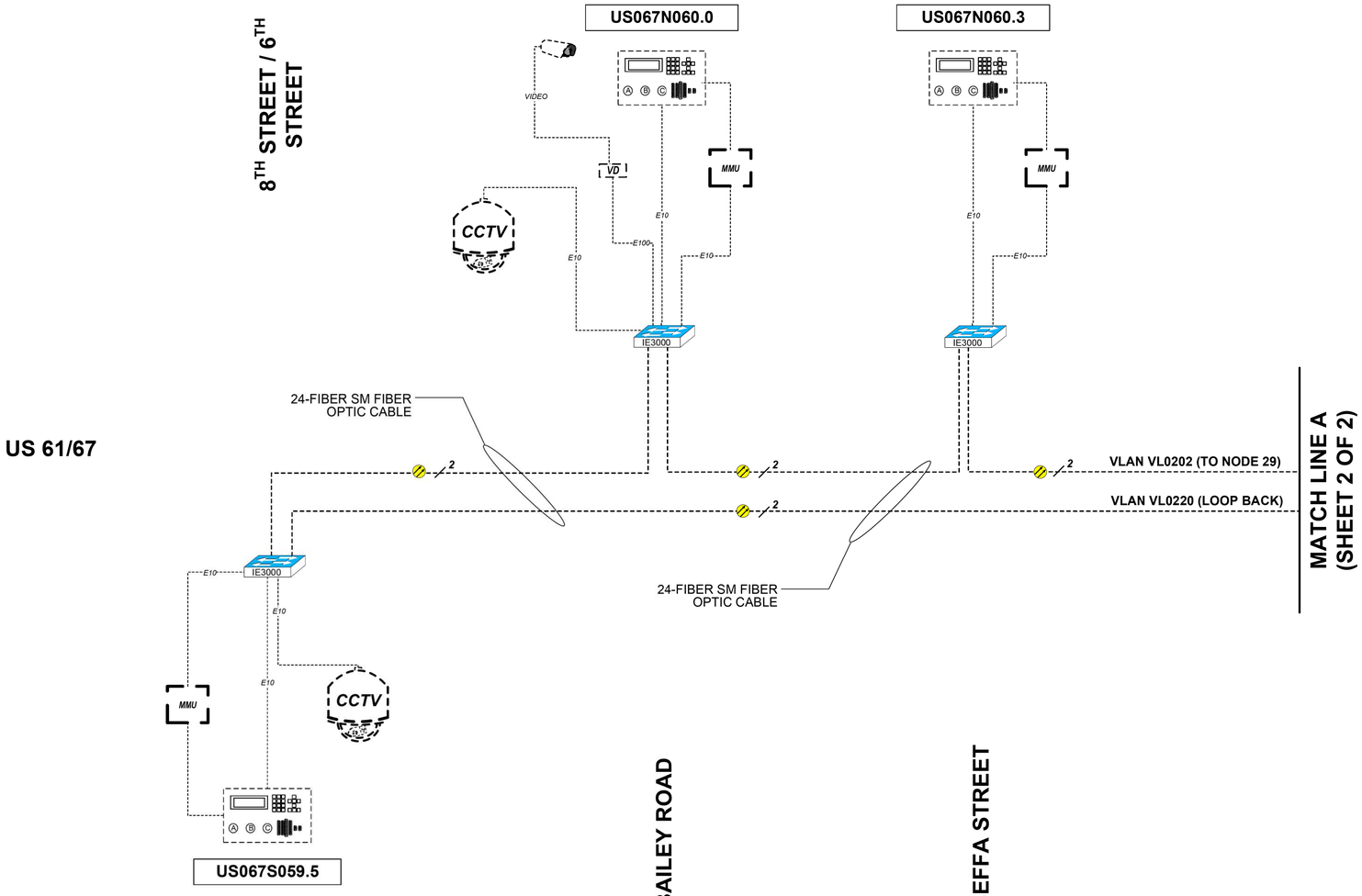
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SIGNAL SHEET
SHEET 12 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

RT055E001.8T — DEVICE IDENTIFIER

CCTV — EXISTING/ PROPOSED CCTV CAMERA

DMS — EXISTING DYNAMIC MESSAGE SIGN

5505 5505 — EXISTING/PROPOSED CISCO ASA5505

IE3000 IE3000 — EXISTING/PRPOSED CISCO IE3000 SWITCH

EXISTING/PROPOSED TRAFFIC SIGNAL CONTROLLER

MMU — EXISTING MALFUNCTION MANAGEMENT UNIT

CELL MODEM — EXISTING CELLULAR MODEM

EXISTING WIRELESS ETHERNET BRIDGE

POWER INJECTOR — EXISTING PROJECT INJECTOR

MC — EXISTING MEDIA CONVERTER

FO DATA MODEM — EXISTING FIBER OPTIC DATA MODEM

E10 — 10 MBPS ETHERNET

E100 — 100 MBPS ETHERNET

EXISTING VIDEO DETECTION SYSTEM

VDS AP — EXISTING SENSYS DETECTION SYSTEM

VD — EXISTING IP VIDEO ENCODER

DEVICE SERVER — EXISTING DEVICE SERVER

EXISTING RADAR DETECTION UNIT

MULTIMODE/ SINGLE MODE FIBER OPTIC CABLE

EXISTING WIRELESS CONNECTION

EXISTING/PROPOSED FUSION SPLICE

EXISTING CABLE

PROPOSED CABLE

DSL MODEM — PROPOSED DSL MODEM

NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN FOR CLARITY. SEE SPLICE DIAGRAMS.

COMMUNICATIONS PLAN

US 67/61
SHEET 1 OF 2

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER — STATE OF MISSOURI
10/21/2024

DATE PREPARED: 10/16/2024
STATE: MO | SHEET NO.: 91
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

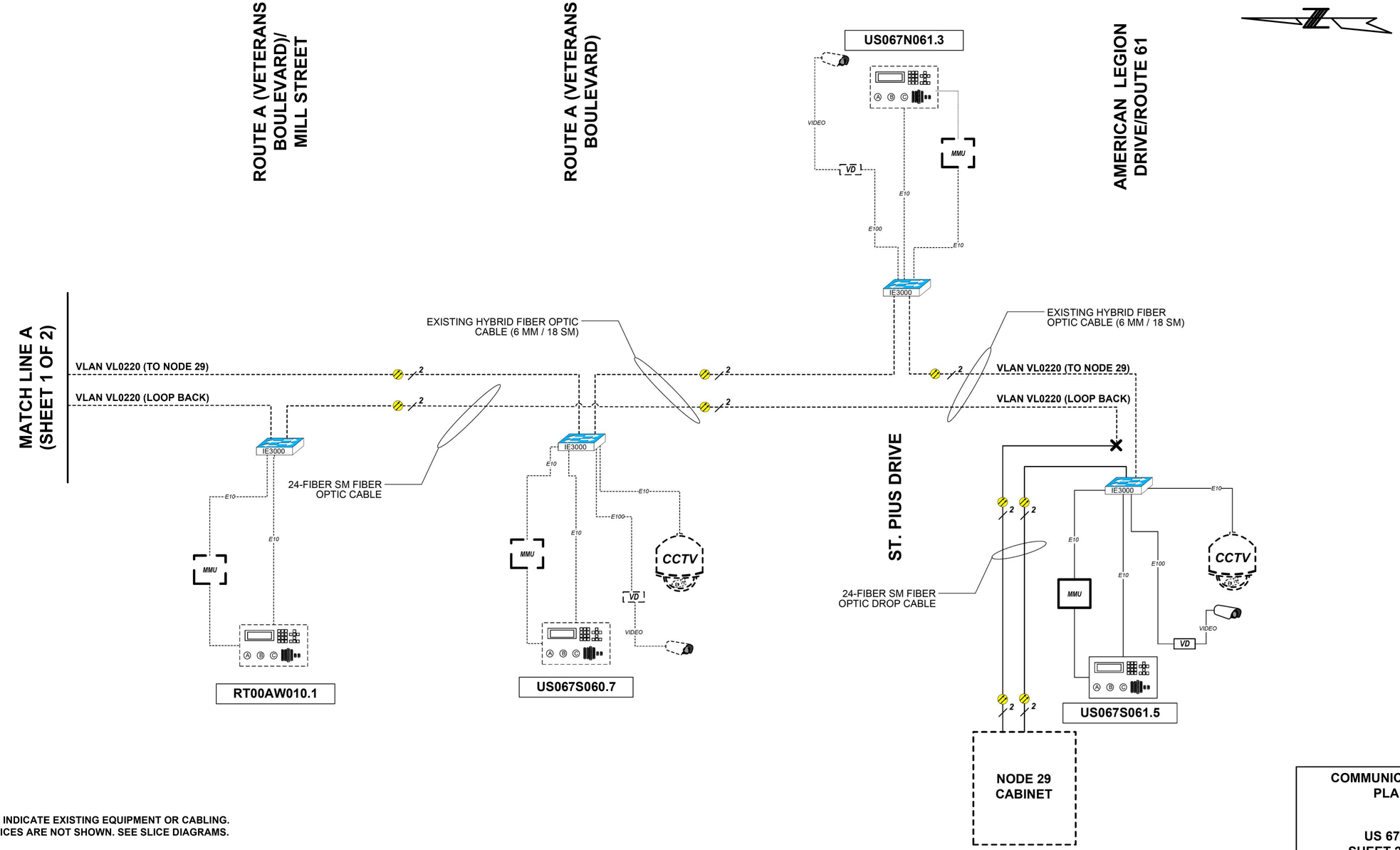
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 13 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

COMMUNICATIONS PLAN

US 67/61
SHEET 2 OF 2

RT055E001.8T — DEVICE IDENTIFIER

CCTV — EXISTING/ PROPOSED CCTV CAMERA

DMS — EXISTING DYNAMIC MESSAGE SIGN

5505 5505 — EXISTING/PROPOSED CISCO ASA5505

IE3000 IE3000 — EXISTING/PRPOSED CISCO IE3000 SWITCH

EXISTING/PROPOSED TRAFFIC SIGNAL CONTROLLER

MMU — EXISTING MALFUNCTION MANAGEMENT UNIT

CELL MODEM — EXISTING CELLULAR MODEM

EXISTING WIRELESS ETHERNET BRIDGE

POWER INJECTOR — EXISTING PROJECT INJECTOR

MC — EXISTING MEDIA CONVERTER

FO DATA MODEM — EXISTING FIBER OPTIC DATA MODEM

E10 — 10 MBPS ETHERNET

E100 — 100 MBPS ETHERNET

EXISTING VIDEO DETECTION SYSTEM

VDS AP — EXISTING SENSYS DETECTION SYSTEM

VD — EXISTING IP VIDEO ENCODER

DEVICE SERVER — EXISTING DEVICE SERVER

EXISTING RADAR DETECTION UNIT

MULTIMODE/ SINGLE MODE FIBER OPTIC CABLE

EXISTING WIRELESS CONNECTION

EXISTING/PROPOSED FUSION SPLICE

EXISTING CABLE

PROPOSED CABLE

DSL MODEM — PROPOSED DSL MODEM

NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN FOR CLARITY. SEE SPLICE DIAGRAMS.

TODD EHLEN NUMBER PE-2006019649 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED: 10/16/2024
STATE: MO | SHEET NO.: 92
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

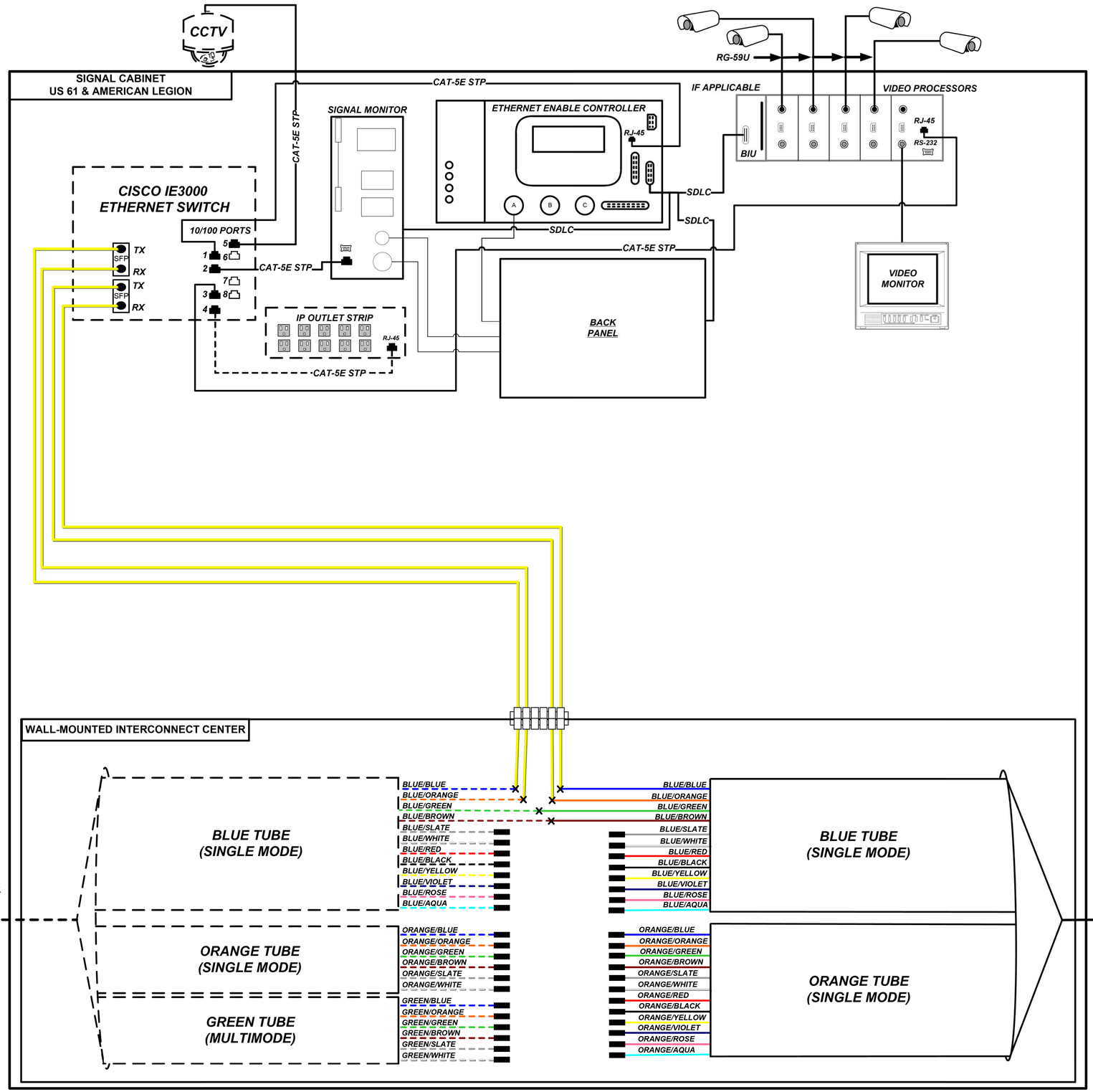
CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

SIGNAL SHEET
SHEET 14 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_SG_592200_61_67_Splicing.dgn 2:18:03 PM 10/16/2024



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN VL0220

FIBER SPLICING & BLOCK DIAGRAM

US067S061.5
ROUTE 61/67 & AMERICAN LEGION

SHEET 1 OF 2

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 93
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SIGNAL SHEET
SHEET 15 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_SG_592200_61_67_Splicing.dgn 2:18:08 PM 10/16/2024

FIELD TERMINAL CABINET TYPE 2
IS055N174.6T

NODE 29
I-55 & U.S.67
(U.S. 67 & AMERICAN LEGION DR.)

Lat 38.201329°
Long -90.396191°

Ameren Meter #
94 142 459

UNINTERRUPTIBLE POWER SUPPLY (UPS)
RJ-45
CAT-5E

Cisco ME 3600X SERIES

INSTALL 2 COMMISSION FURNISHED SFPS

TO NODE 26

TO NODE 8

US067S061.5 (VLAN VL0220)

US067S062.7C

IS055N172.1C

RT00AW009.2Z

IS055N178.6Z

IS055S175.7C

IS055S174.6C

RACK-MOUNTED SPLICE ENCLOSURE

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE

72-STRAND TRUNK CABLE TO CENTURYLINK POP

SPLICE INTERCONNECT CENTER

GREEN/AQUA
GREEN/ROSE
GREEN/VIOLET
GREEN/YELLOW
GREEN/BLACK
GREEN/WHITE
GREEN/SLATE
GREEN/BROWN
GREEN/GREEN
GREEN/ORANGE
GREEN/BLUE

BLUE/VIOLET
BLUE/YELLOW
BLUE/BLACK
BLUE/RED

WHITE TUBE
SLATE TUBE
BROWN TUBE
GREEN TUBE
ORANGE TUBE
BLUE TUBE

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE TUBE
ORANGE TUBE

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/SLATE
BLUE/WHITE
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE TUBE
ORANGE TUBE

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE TUBE
ORANGE TUBE

01U

72-FIBER TRUNK CABLE TO NORTH

24-FIBER CABLE TO NORTH

24-FIBER CABLE TO SOUTH

24-FIBER CABLE TO US067S061.5

24-FIBER CABLE TO US067S062.7C

FIBER SPLICING & BLOCK DIAGRAM
US067S061.5
ROUTE 61/67 & AMERICAN LEGION
SHEET 2 OF 2

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 94

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE | DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT Inc
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

SIGNAL SHEET
SHEET 16 OF 16

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_SG_592200_61_67_Splicing.dgn 2:18:13 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

EXIST. POWER (DND)
EXIST. POWER POLE (DND)
EX. ROW
EXIST. 18" RCP (DND)
EXIST. 2" GAS (DND)
CONSTRUCTION LIMITS
2" GAS (DND)
2" FOC (DND)
STA. 3+75.00
BEGIN CONSTRUCTION
℄ ST. PIUS SPUR
CONSTRUCTION LIMITS
STA 5+25.00
OFF 39.50'
SEE NOTE 1
EXIST. V-DITCH (UIP)
EXIST. WATER MAIN (DND)
TEMP ESM'T
EX. ROW
EX. ROW
EXIST. PULL BOX (TBR&RBO)
EXIST. 24" PIPE (UIP)
(DND)
EX. INLET (UIP)
EXIST.WATER (DND)
EX. 21" CMP (UIP)
PIPE (BY OTHERS)

3
BMCE FESTUS PROPERTY, LLC
2024R-004916

2
UNION ELECTRIC DBA
AMEREN MISSOURI
2023R-006646

1
ST LOUIS ARCHDIOCESE REAL ESTATE CORP
1048 ST PIUS DR 63028

5-4 P
36" CONC.
TEMP ESM'T
NEW ROW
5-5 MH
EXIST. POWER POLE (TBR&RBO)
EXIST.FOC (UIP)
℄ ST.PIUS DR
STA.6+26.57
(ST.PIUS SPUR)
STA.9+99.72
(ST. PIUS DRIVE)
EXIST. POWER (TBR&RBO)
EXIST. 6" GAS (UIP)
EXIST. UTILITY POLE (TBR&RBO)
(TBA BO)
(TBA BO)

UTILITY LEGEND

EXIST. R/W	
NEW R/W	
W	CITY WATER
G	SPIRE GAS
	CITY SEWER
UT	AT&T DISTRIBUTION
FO	LUMEN (FO)
OE	AMEREN POWER

COORDINATE WITH ST. PIUS BASEBALL FIELD PROJECT (BY HENEGHAN & ASSOCIATES, P.C.) BALLFIELD UPGRADES SHOWN ON THIS PLAN ARE PER HENEGHAN DESIGN FILES.

SCALE
0 20 40 60

NOTES:
1) LIGHT POLE W/ 6' BRACKET TO BE INSTALLED BY OTHERS (AMEREN)

ST. PIUS SPUR

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	95

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043 (314) 344-1020
ENGINEERING CORPORATION - 000631

UTILITY SHEET
SHEET 1 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\08_UP_592200_StPiuss Plan.dgn 3:35:49 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

① *ST LOUIS ARCHDIOCESE REAL ESTATE CORP*
1048 ST PIUS DR 63028

COORDINATE WITH ST. PIUS BASEBALL FIELD PROJECT (BY HENEGHAN & ASSOCIATES, P.C.). BALLFIELD UPGRADES SHOWN ON THIS PLAN ARE PER HENEGHAN DESGIN FILES.

③ *BMCE FESTUS PROPERTY LLC*
1160 S TRUMAN BLVD 63028

② *ST LOUIS ARCHDIOCESE*
1030 ST PIUS DR 63028

EX. WATER MAIN (DND)
℄ ST. PIUS SPUR
CONSTRUCTION LIMITS
EXIST. WATER LINE (TBRBO)
EXIST. TELE (DND)
EXIST 21" CMP (TBRBO)
EXISTING LINETYPE (PRIOR TO OUR JOB)
PIPE (BY OTHERS)
EXIST. POLE (DND)
EXIST. OH ELEC (DND)
EX. ROW
PR MANHOLE (BY OTHERS)
EXIST. WATER (DND)
EXIST. UTILITY POLE (DND)
EXIST. GAS (DND)
℄ ST. PIUS DR
EXIST. WATER VALVE(ATG)
EXIST. 12" PIPE
EXIST. WATER VALVE (DND)
EXIST. 10" VCP (DND)
EXIST. WATER MATER (DND)
EXIST. SAN MANHOLE (DND)
PR PERMANENT ESM'T
PR PERMANENT ESM'T
CONSTRUCTION LIMITS
GAS VALVE (ATG)
12" PIPE (DND)
EX. ROW
TEMP. ESM'T
EXIST. TELE (UIP)
EXIST. GAS (UIP)
PERM ESM'T
EX. ROW
EXIST. PULLBOX (TBR&RBO)
TEMP. ESM'T
EXIST. 24" RCP (R)
EXIST. 12c FOC (LUMEN)(DND)
(TBA BO)
(TBA BO)
REMOVE END SECTION OF PIPE TO SET MH
EXIST. 18" RCP (R)
18" PIPE
EX PRIVATE LIGHT POLE (DND)
EXIST. WATER VALVE (ATG)
EXIST. HYDRANT (DND)
EX PRIVATE LIGHT POLE (DND)
MATCHLINE STA. 10+90.00

5-5 MH
5-4 P
6-1 P
6-1 FES
6-2 FES

NOTE: EXISTING WIRING FOR LIGHT POLES LOCATED ON PROPERTY 2 NOT KNOWN. CONTRACTOR SHALL EXERCISE CAUTION.

ST. PIUS DRIVE/VFW DRIVE

SCALE
0 20 40 60

UTILITY LEGEND
- EXIST. R/W
- NEW R/W
- W — CITY WATER
- G — SPIRE GAS
- CITY SEWER
- UT — AT&T DISTRIBUTION
- FO — LUMEN (FO)
- OE — AMEREN POWER
- PROPOSED AMEREN POWER

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	96

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

UTILITY SHEET
SHEET 2 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\05_UP_592200_VFW Plan.dgn 3:35:57 PM 10/16/2024

NOTE: CONCRETE ENCASEMENT NOT SHOWN FOR CLARITY.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE MO | SHEET NO. 97

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

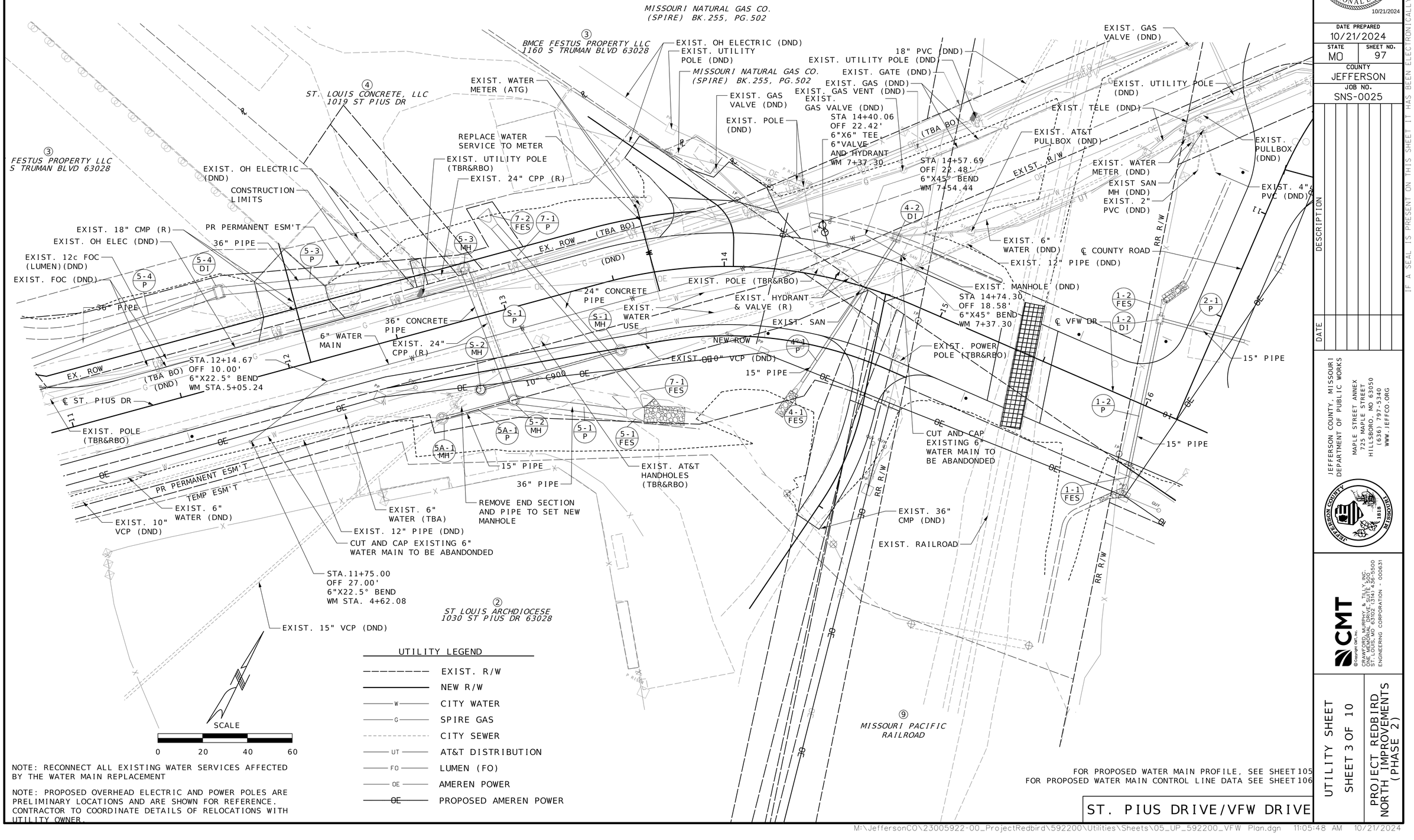
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

UTILITY SHEET
SHEET 3 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



UTILITY LEGEND

EXIST. R/W	
NEW R/W	
W	CITY WATER
G	SPIRE GAS
	CITY SEWER
UT	AT&T DISTRIBUTION
FO	LUMEN (FO)
OE	AMEREN POWER
OE	PROPOSED AMEREN POWER

NOTE: RECONNECT ALL EXISTING WATER SERVICES AFFECTED BY THE WATER MAIN REPLACEMENT

NOTE: PROPOSED OVERHEAD ELECTRIC AND POWER POLES ARE PRELIMINARY LOCATIONS AND ARE SHOWN FOR REFERENCE. CONTRACTOR TO COORDINATE DETAILS OF RELOCATIONS WITH UTILITY OWNER.

FOR PROPOSED WATER MAIN PROFILE, SEE SHEET 105
FOR PROPOSED WATER MAIN CONTROL LINE DATA SEE SHEET 106

ST. PIUS DRIVE/VFW DRIVE

UTILITY LEGEND

- EXIST. R/W
- NEW R/W
- W — CITY WATER
- G — SPIRE GAS
- CITY SEWER
- UT — AT&T DISTRIBUTION
- FO — LUMEN (FO)
- OE — AMEREN POWER
- OE — PROPOSED AMEREN POWER

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	98

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

STA 16+36.66, OFF 165.03'
6"X45° BEND
WM 10+16.86

EXIST. OH ELECTRIC

STA 16+48.50, OFF 137.70'
6"X22.5° BEND
WM 10+52.83

EXIST. UG ELECTRIC (DND)

5
FRED WEBER, INC.
975 VFW DR 63028

EXIST. UTILITY POLE (TBR&RBO)

EXIST. GAS (DND)

EXIST. PULL BOX (TBR&RBO)

EXIST. TELE (TBABO)

EXIST. OH ELECTRIC (TBR&RBO)

STA 16+86.33, OFF 28.67'
6"X45° BEND
WM 11+75.61

2-2 FES

MATCHLINE STA. 16+30.00

EX. ROW

PR PERMANENT ESM'T

NEW ROW

EXIST. 24" CPP (R)

EXIST. POWER POLE (TBR&RBO)

EXIST. UTILITY POLE (TBR&RBO)

EXIST. UTILITY POLE (TBR&RBO)

EXIST. FOC (DND)

EXIST. 12c FOC (LUMEN)(DND)

CONSTRUCTION LIMITS

6
CHARLES & JAQUELINE WHITE
971 VFW DR 63028

EXIST. TELE (DND)

EXIST. UG ELECTRIC (DND)

STA 17+99.83, OFF 24.00'
6"X11.25° BEND
WM 12+93.43

EXIST. PULL BOX (DND)

EXIST. UTILITY POLE (DND)

EXIST. GAS (DND)

EXIST. 4" PVC

EXIST. 12" CMP (R)

STA 19+87.00, OFF 27.25'
6"X11.25° BEND
WM 14+67.25

STA 21+00.00, OFF 22.81'
6" VALVE AND HYDRANT
WM 15+80.99

EXIST. UTILITY POLE (DND)

EXIST. UTILITY POLE (TBR&RBO)

CONSTRUCTION LIMITS

EXIST. PULLBOX (TBR&RBO)

EXIST. TELE POLE (TBR&RBO)

EXIST. 6" WATER (TBA)

℄ VFW DR

EXIST. UTILITY POLE (TBR&RBO)

EXIST. OH ELECTRIC

EXIST. UTILITY POLE (TBR&RBO)

EXIST. UTILITY POLE (TBR&RBO)

MATCHLINE STA. 21+70.00

EXIST. POWER POLE (TBR&RBO)

PR PERMANENT ESM'T

7
VFW POST 3777
900 VFW DR 63028

EXIST. UTILITY POLE (DND)

POND
N.P. 395.27
(AS SURVEYED)

EXIST. WATER FAUCET

EXIST. 15" IRON PIPE

TEMP ESM'T

SCALE
0 20 40 60

NOTE: RECONNECT ALL EXISTING WATER SERVICES AFFECTED BY THE WATER MAIN REPLACEMENT

NOTE: PROPOSED OVERHEAD ELECTRIC AND POWER POLES ARE PRELIMINARY LOCATIONS AND ARE SHOWN FOR REFERENCE. CONTRACTOR TO COORDINATE DETAILS OF RELOCATIONS WITH UTILITY OWNER.

FOR PROPOSED WATER MAIN PROFILE, SEE SHEET105
FOR PROPOSED WATER MAIN CONTROL LINE DATA SEE SHEET106

ST. PIUS DRIVE/ VFW DRIVE

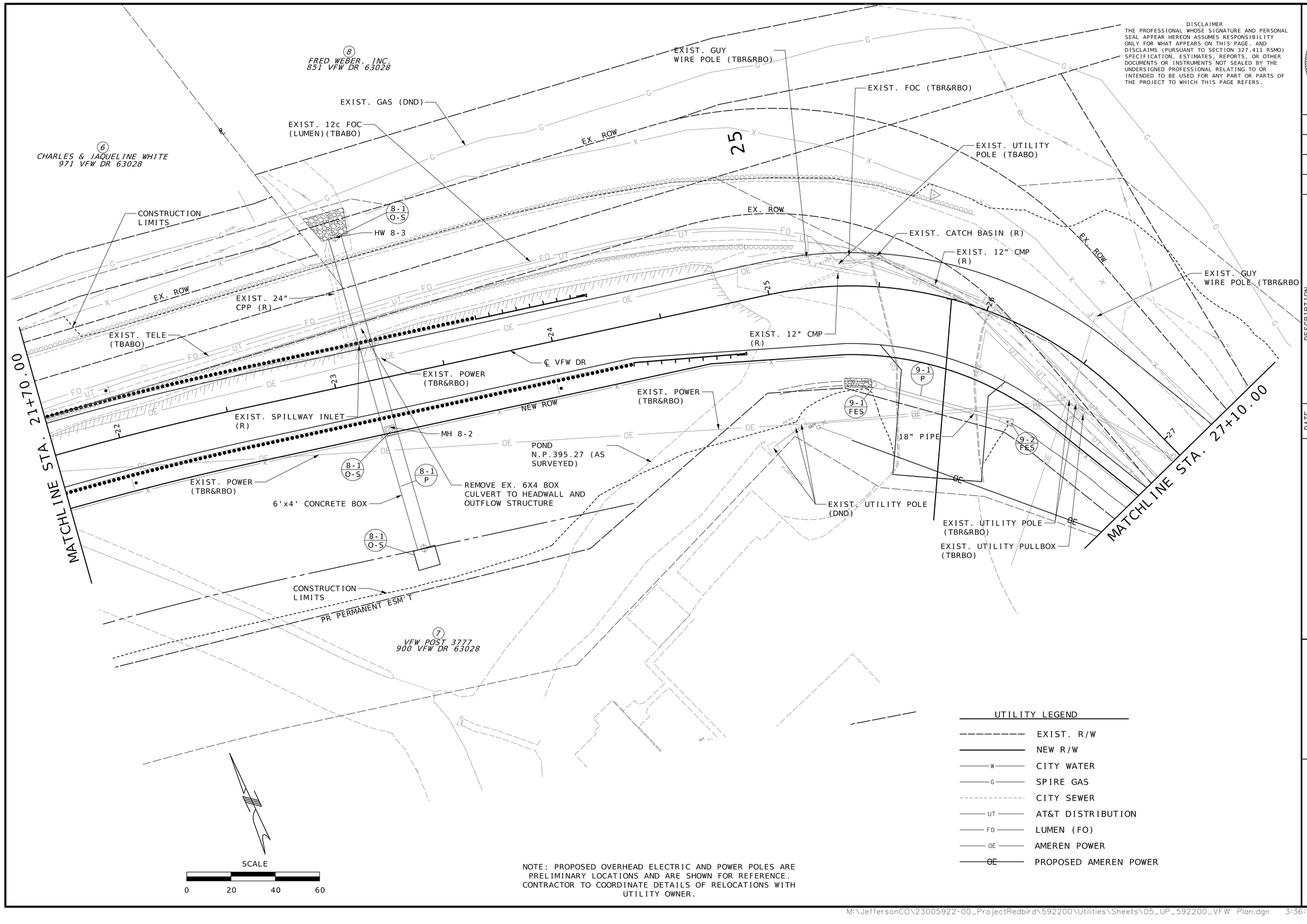
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

UTILITY SHEET
SHEET 4 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\05_UP_592200_VFW Plan.dgn 3:36:11 PM 10/16/2024



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	99

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
(314) 436-8500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

UTILITY SHEET
SHEET 5 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

MATCHLINE STA. 27+10.00

MATCHLINE STA. 31+50.00

CONSTRUCTION LIMITS

(8) FRED WEBER, INC.
851 VFW DR 63028

EX. UTILITY ESM'T

EX. ROW

NEW ROW

EXIST. UTILITY POLE (TBR&RBO)

EXIST. POWER (TBR&RBO)

EXIST. 24" CPP (R)

10-1 FES

(WINDOW) SEE CULVERT SECTION

10-1 P

EXIST. FENCE (TBR&RBO)

℄ VFW RD

24" PIPE

CONSTRUCTION LIMITS

EXIST. 12c FOC (LUMEN)(TBABO)

EXIST. FOC (TBABO)

EXIST. TELE (TBABO)

EXIST. GAS VALVE (DND)

EXIST. GAS (DND)

(7) VFW POST 3777
900 VFW DR 63028

TEMP ESM'T

PR PERMANENT ESM'T

EXIST. UTILITY POLE (TBR&RBO)

(14) TX POPS LLC
2019R-031098

10-2 FES

EXIST. 12" CMP (R)

EXIST. UTILITY POLE (TBR&RBO)

EXIST. GAS VALVE (DND)

SCALE
0 20 40 60

UTILITY LEGEND

- EXIST. R/W
- NEW R/W
- W — CITY WATER
- G — SPIRE GAS
- CITY SEWER
- UT — AT&T DISTRIBUTION
- FO — LUMEN (FO)
- OE — AMEREN POWER
- OE — PROPOSED AMEREN POWER

NOTE: PROPOSED OVERHEAD ELECTRIC AND POWER POLES ARE PRELIMINARY LOCATIONS AND ARE SHOWN FOR REFERENCE. CONTRACTOR TO COORDINATE DETAILS OF RELOCATIONS WITH UTILITY OWNER.

ST. PIUS DRIVE/ VFW DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	100

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

UTILITY SHEET
SHEET 6 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 101

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

MATCHLINE STA. 31+50.00

12-1 P
12-2 FES
12-1 FES
8 FRED WEBER, INC. 851 VFW DR 63028
13 FRED WEBER, INC. 838 VFW DR 63028

EXIST. OH ELECTRIC
EXIST. TELE (DND)
EXIST. UTILITY POLE (TBR&RBO)
CONSTRUCTION LIMITS
EX UTILITY ESM'T
EXIST. GAS (DND)
EXIST. POWER (TBR&RBO)
EXIST. UTILITY POLE (DND)
EX. ROW
12" PIPE
EXIST. FOC (DND)
EXIST. TELE (RELOC.)
STA.33+50.00 END CONSTRUCTION
℄ VFW DR
EXIST. 18" CPP (DND)
EX. ROW
NEW ROW
EXIST. FENCE (DND)
CONSTRUCTION LIMITS
EXIST. GUY WIRE POLE (TBR&RBO)
EXIST. OH ELECTRIC (RELOC.)
EXIST. TELE (DND)
EXIST. UTILITY POLE (DND)
NEW ROW
TEMP ESM'T
PR PERMANENT ESM'T
℄ NORTH ACCESS RD
TEMP ESM'T

SCALE
0 20 40 60

UTILITY LEGEND
- EXIST. R/W
- NEW R/W
- W — CITY WATER
- G — SPIRE GAS
- CITY SEWER
- UT — AT&T DISTRIBUTION
- FO — LUMEN (FO)
- OE — AMEREN POWER
- ~~OE~~ — PROPOSED AMEREN POWER

NOTE: PROPOSED OVERHEAD ELECTRIC AND POWER POLES ARE PRELIMINARY LOCATIONS AND ARE SHOWN FOR REFERENCE. CONTRACTOR TO COORDINATE DETAILS OF RELOCATIONS WITH UTILITY OWNER.

ST. PIUS DRIVE/ VFW DRIVE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

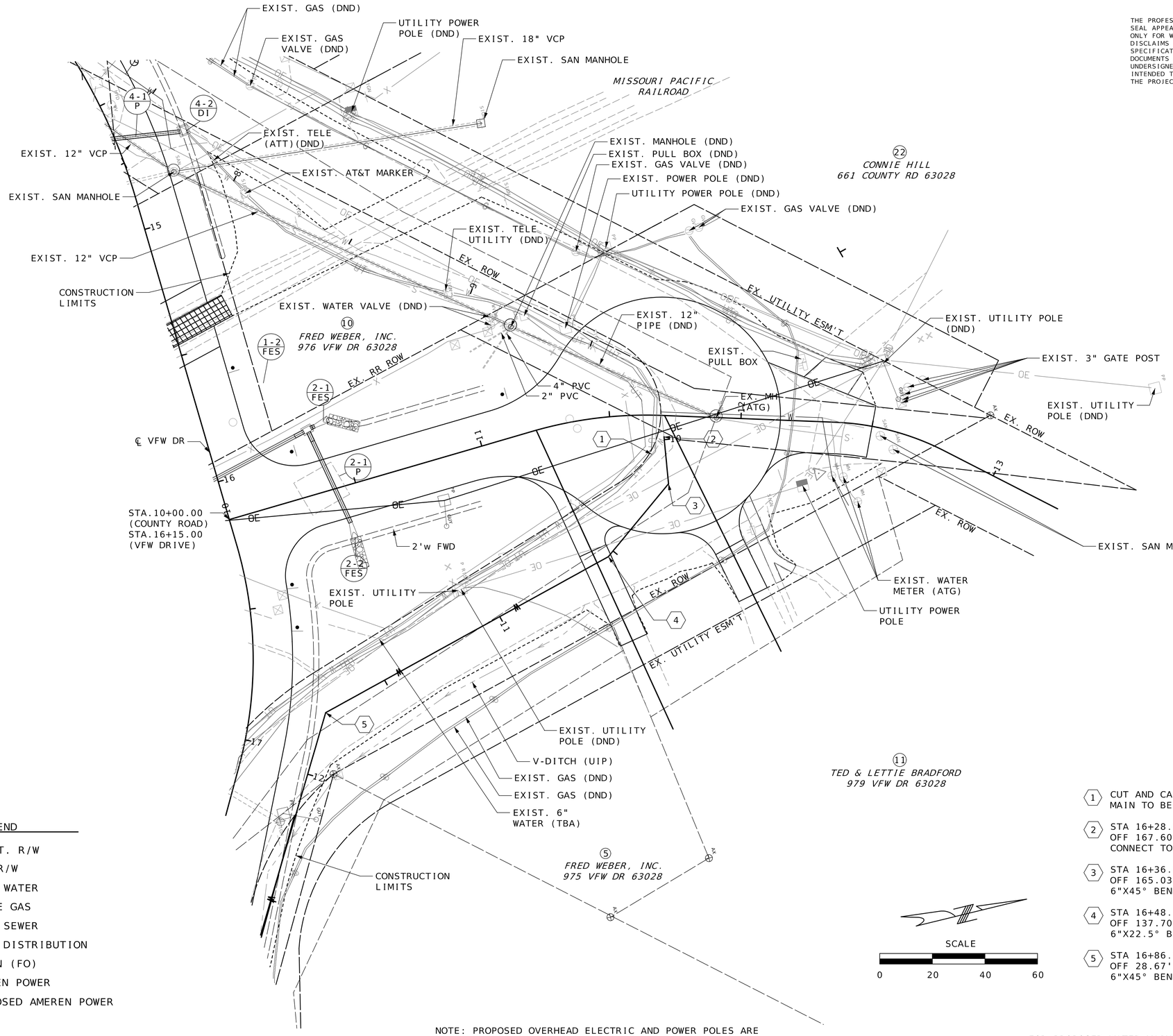
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2454
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

UTILITY SHEET
SHEET 7 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\05_UP_592200_VFW Plan.dgn 3:36:15 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



UTILITY LEGEND

- EXIST. R/W
- NEW R/W
- W — CITY WATER
- G — SPIRE GAS
- CITY SEWER
- UT — AT&T DISTRIBUTION
- FO — LUMEN (FO)
- OE — AMEREN POWER
- ~~OE~~ — PROPOSED AMEREN POWER

1. CUT AND CAP EXISTING 6" WATER MAIN TO BE ABANDONED
2. STA 16+28.07 OFF 167.60' LT. CONNECT TO EXISTING 6" WATER MAIN
3. STA 16+36.66 OFF 165.03' LT. 6"X45° BEND
4. STA 16+48.50 OFF 137.70' LT. 6"X22.5° BEND
5. STA 16+86.33 OFF 28.67' LT. 6"X45° BEND

NOTE: RECONNECT ALL EXISTING WATER SERVICE AFFECTED BY THE WATER MAIN REPLACEMENT

NOTE: PROPOSED OVERHEAD ELECTRIC AND POWER POLES ARE PRELIMINARY LOCATIONS AND ARE SHOWN FOR REFERENCE. CONTRACTOR TO COORDINATE DETAILS OF RELOCATIONS WITH UTILITY OWNER.

FOR PROPOSED WATER MAIN PROFILE SEE SHEET 105
FOR PROPOSED WATER MAIN CONTROL LINE DATA SEE SHEET 106

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 102

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

UTILITY SHEET
SHEET 8 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	103

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

UTILITY SHEET
SHEET 9 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61/67 INTERSECTION

23
1305 HIGHWAY 61, LLC
2008R-040270
19-4.0-18.0-0-004.1
1305 US HIGHWAY 61
NO ACQUISITION

BEGIN PROJECT STA. 6+06.00
(PAVEMENT MARKING AND SIGNING)

EX. 24" PIPE (UIP)
EX. 18" PIPE (UIP)
EX. 18" BOX (UIP)
EX.BOX CULVERT (UIP)
EX. FES (UIP)
EX. ROW
EX. UTILITY POLE (UIP)
SAWCUT
℄ US 61
EX. AMEREN UTILITY POLE (TBR&RBO)
RELOCATED AMEREN UTILITY POLE STA. 11+79, 47.5' RT (BY OTHERS)
MATCHLINE STA. 13+90.00

N/F
HALE REAL ESTATE
DEED #030055954
19-4.0-18.0-0-001-004
1035 ST. PIUS DR
NO ACQUISITION

SCALE
0 20 40 60

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 20 40 60

℄ US 67
300-1 DI
PROP 2'X2' DROP INLET
12" GROUP "A" PIPE
300-2 MH
EX. GRATE INLET (CONVERT TO MH)
300-3 FES
EX. 18" FES
EX. 18" PIPE (UIP)
EX. 18" PIPE (UIP)
EX. 18" PIPE (UIP)
(UIP)
(UIP)
(UIP)
(UIP)
(UIP)
(UIP)
EX. ROW
END PROJECT STA. 18+84.81
℄ AMERICAN LEGION DR
℄ US 61
MATCHLINE STA. 13+90.00
AMEREN INSTALLED STREET LIGHT STA. 14+83.36, 53.00' RT 30' MH, 15' BRACKET ARM
EX. AMEREN LIGHT (RBO)
EX. ROW
EX. SLOTTED OUTLET (UIP)
EX. UTILITY POLE (UIP)
EX. AMEREN LIGHT (RBO)
AMEREN INSTALLED STREET LIGHT STA. 16+49.66, 68.50' RT 30' MH, 15' BRACKET ARM
EX. SLOTTED INLET (UIP)
EX. 18" PIPE (UIP)
PT STA 1085+29.93
℄ US 61/67

26
LD COMPTON BUILDING MATERIALS
2020R-028786
19-4.0-18.0-002-003.00
19-4.0-18.0-002-003.01
1245 AMERICAN LEGION DR
NO ACQUISITION

SIMMS SECOND ADDITION
PB 9, PG 21

25
DARRELL & LELA SAGO, TRUSTEES
DEED #040047704
19-4.0-18.0-0-002
1240 AMERICAN LEGION DR
NO ACQUISITION

24
N/F
HALE REAL ESTATE
DEED #030055954
19-4.0-18.0-0-001-004
1035 ST. PIUS DR
NO ACQUISITION

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024
STATE MO
SHEET NO. 104
COUNTY
JEFFERSON
JOB NO.
SNS-0025

DESCRIPTION
DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631

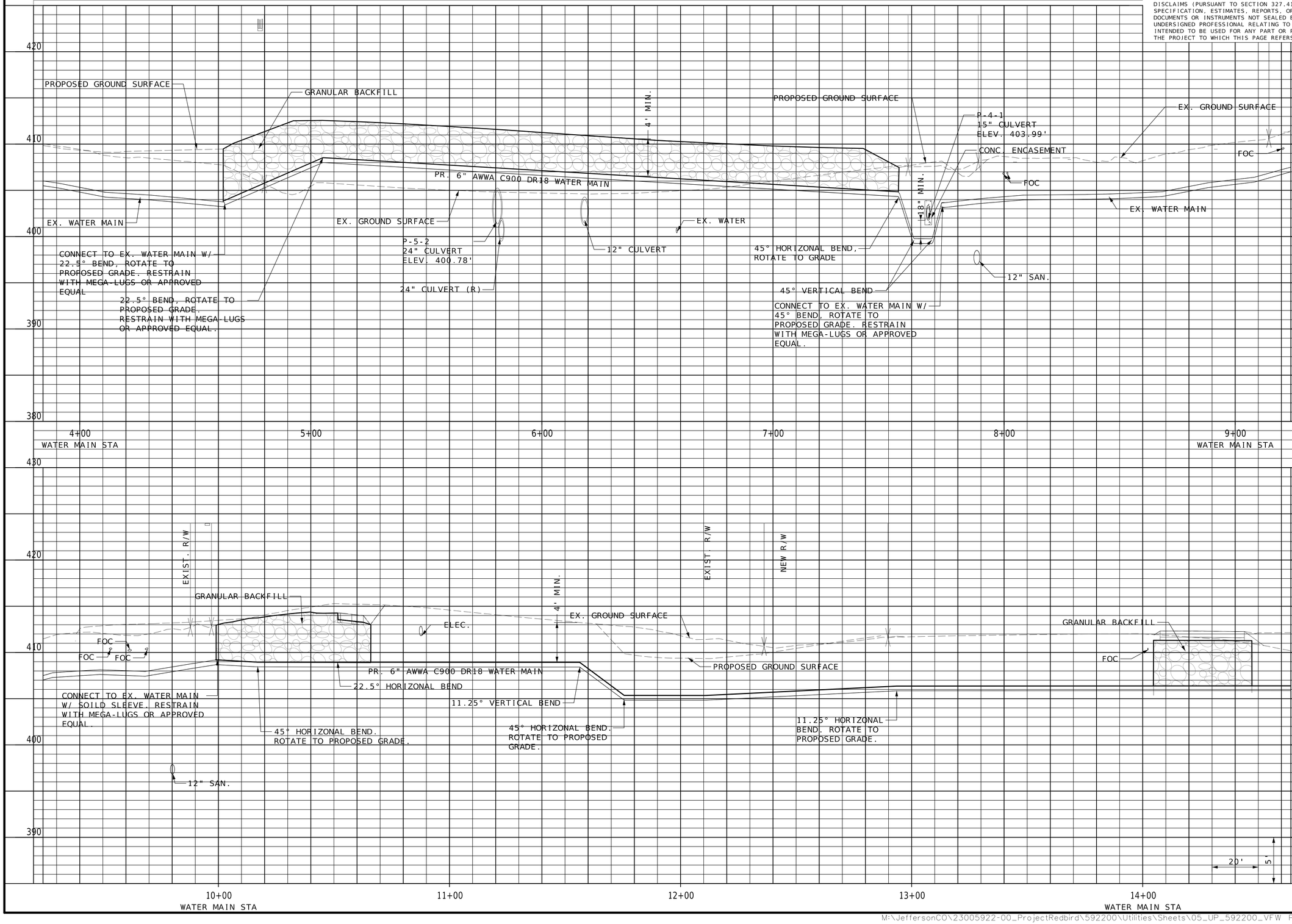
UTILITY SHEET
SHEET 10 OF 10

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\03_UP_02_592200_61_67.dgn 3:59:14 PM 10/16/2024

NOTE: RESTRAIN ALL HORIZONTAL AND VERTICAL BENDS WITH MEGA-LUGS OR APPROVED EQUAL

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	105

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

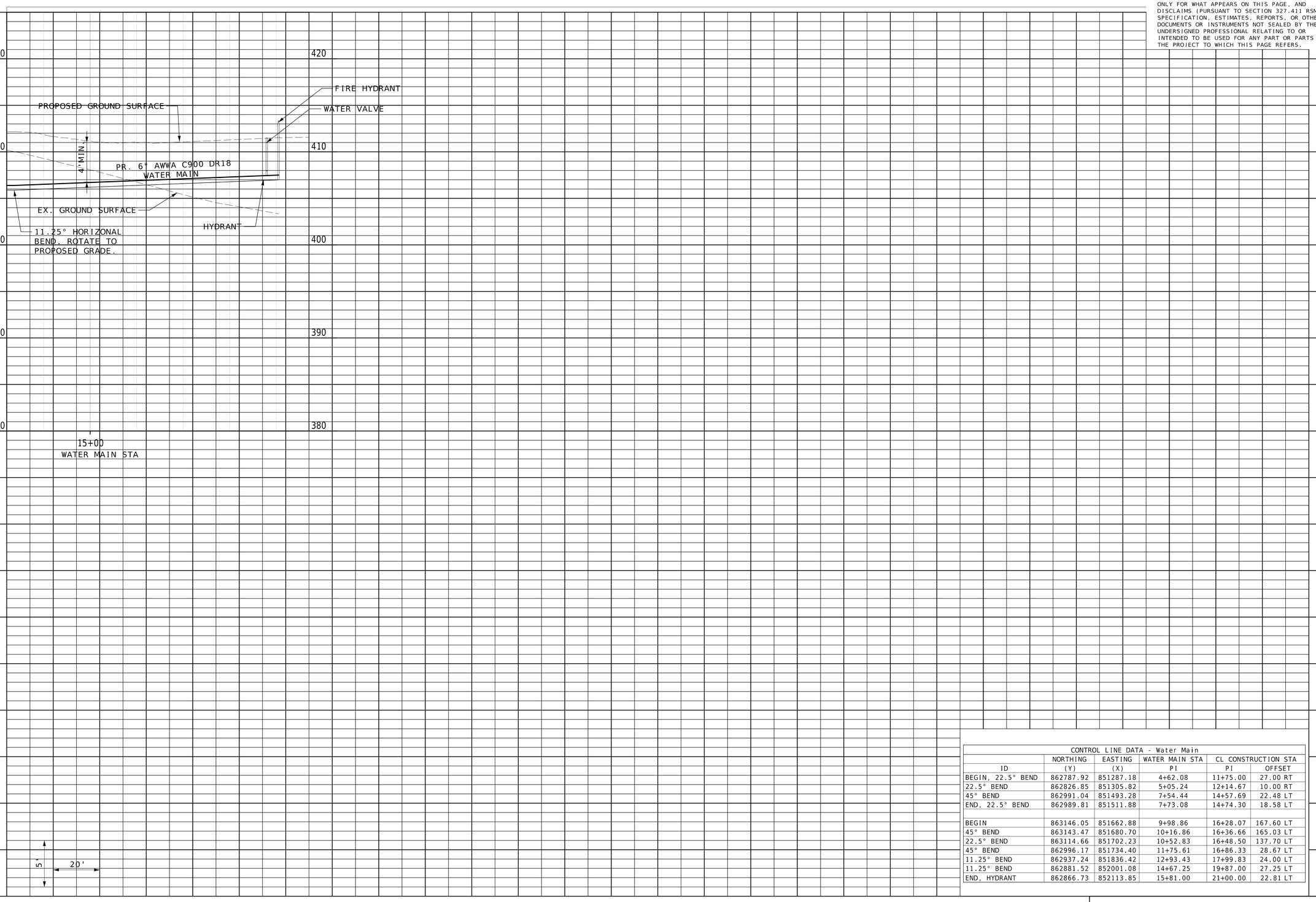
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

UTILITY PROFILE
SHEET 1 OF 3

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

NOTE: RESTRAIN ALL HORIZONTAL AND VERTICAL BENDS WITH MEGA-LUGS OR APPROVED EQUAL



CONTROL LINE DATA - Water Main					
	NORTHING	EASTING	WATER MAIN STA	CL CONSTRUCTION STA	
ID	(Y)	(X)	PI	PI	OFFSET
BEGIN, 22.5° BEND	862787.92	851287.18	4+62.08	11+75.00	27.00 RT
22.5° BEND	862826.85	851305.82	5+05.24	12+14.67	10.00 RT
45° BEND	862991.04	851493.28	7+54.44	14+57.69	22.48 LT
END, 22.5° BEND	862989.81	851511.88	7+73.08	14+74.30	18.58 LT
BEGIN	863146.05	851662.88	9+98.86	16+28.07	167.60 LT
45° BEND	863143.47	851680.70	10+16.86	16+36.66	165.03 LT
22.5° BEND	863114.66	851702.23	10+52.83	16+48.50	137.70 LT
45° BEND	862996.17	851734.40	11+75.61	16+86.33	28.67 LT
11.25° BEND	862937.24	851836.42	12+93.43	17+99.83	24.00 LT
11.25° BEND	862881.52	852001.08	14+67.25	19+87.00	27.25 LT
END, HYDRANT	862866.73	852113.85	15+81.00	21+00.00	22.81 LT

Note:
EXISTING WATERMAIN PROFILE IS ASSUMED TO BE NOMINAL DEPTH.

ST. PIUS DRIVE/ VFW DRIVE

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	106

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

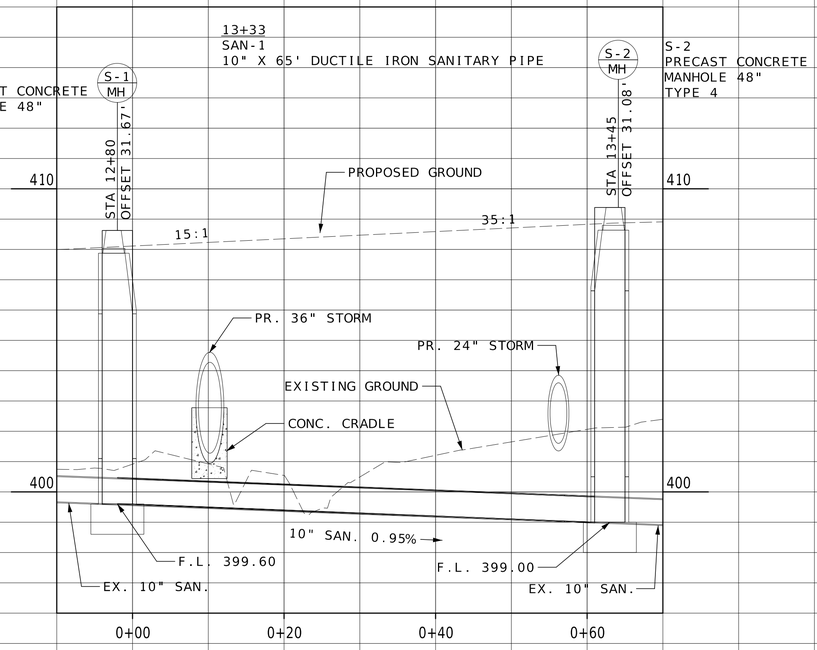
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

UTILITY PROFILE
SHEET 2 OF 3

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Utilities\Sheets\05_UP_592200_VFW Plan.dgn 2:55:10 PM 10/16/2024



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	107

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stantec CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

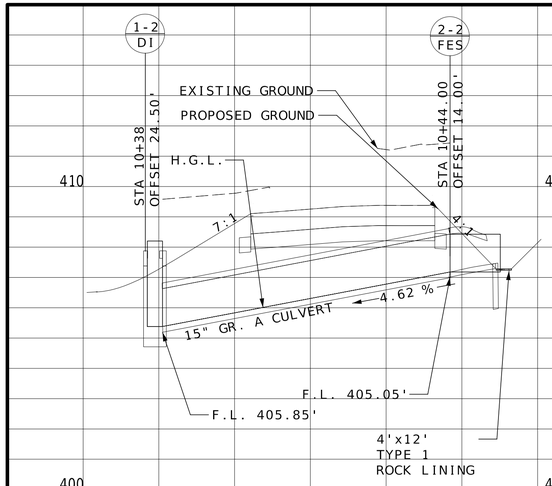
UTILITY PROFILE
SHEET 3 OF 3

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

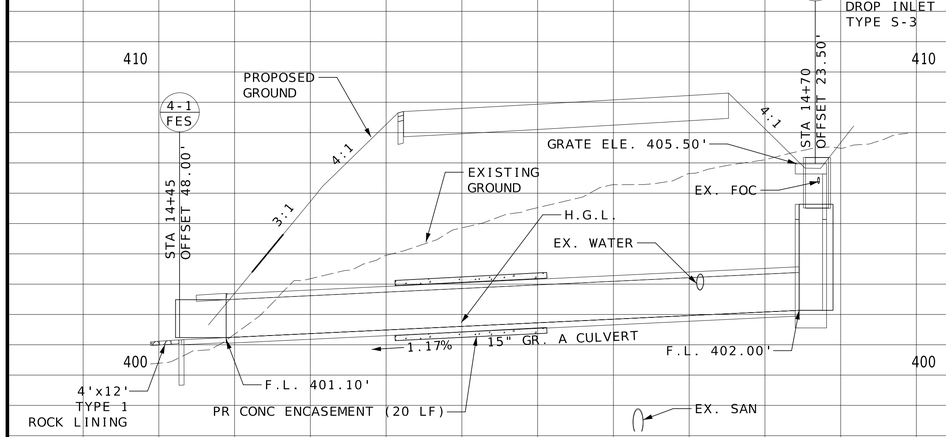
1" = 10'

ST. PIUS DRIVE/ VFW DRIVE

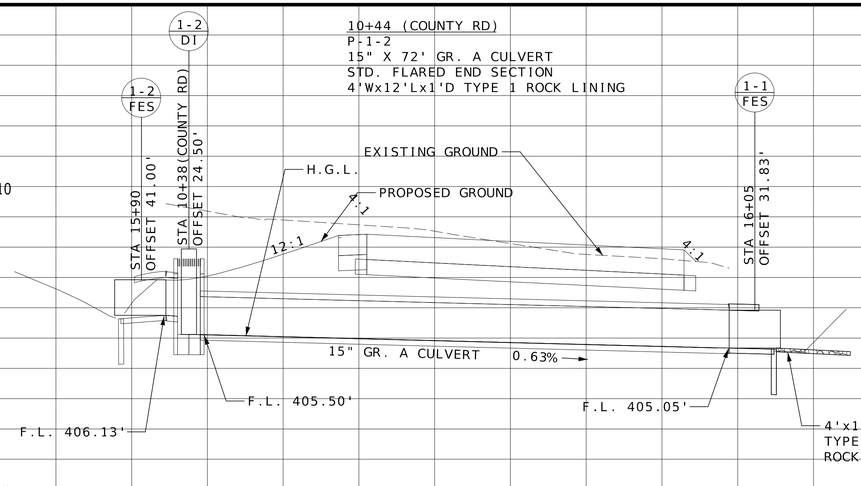
REV.



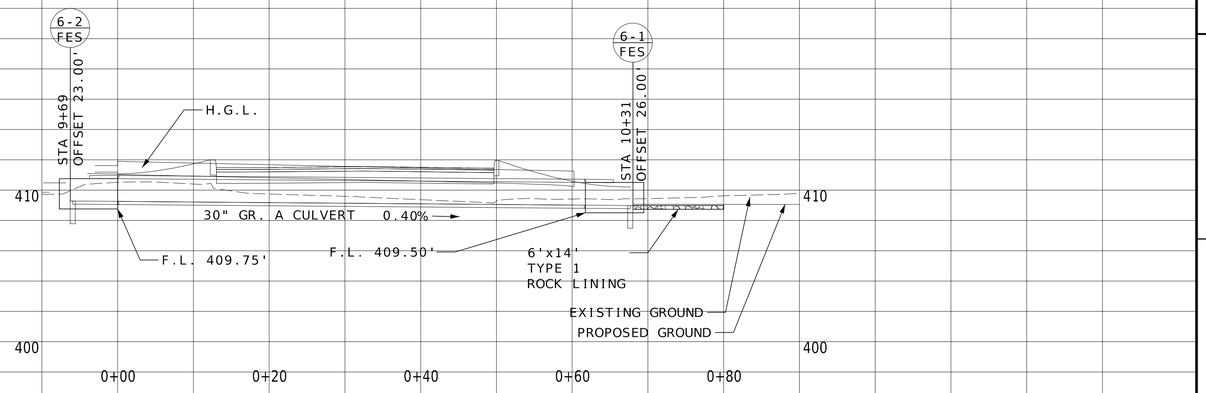
10+42 (COUNTY RD)
P-2-1
15" X 39' GR. A CULVERT
(2) STD. FLARED END SECTION
4'Wx12'Lx1'D TYPE 1 ROCK LINING



14+63
P-4-1
15" X 77' GR. A CULVERT
STD. FLARED END SECTION
4'Wx12'Lx1'D TYPE 1 ROCK LINING

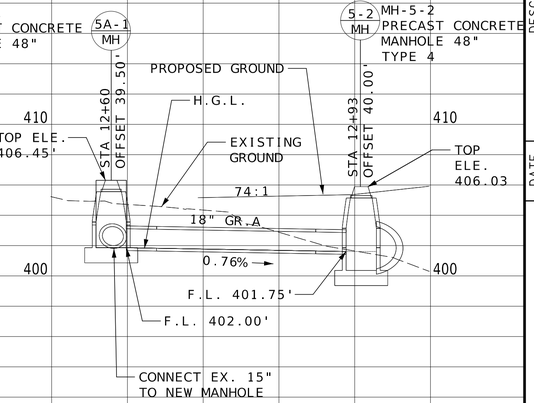


10+00
P-6-1
30" X 62' GR. A CULVERT
(2) STD. FLARED END SECTION
6'Wx14'Lx1'D TYPE 1 ROCK LINING



MH-5A-1
PRECAST CONCRETE
MANHOLE 48"
TYPE 4

12+76
P-5A-1
18" X 33' GR. A



ST. PIUS DRIVE/ VFW DRIVE

2'
10'

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	108

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

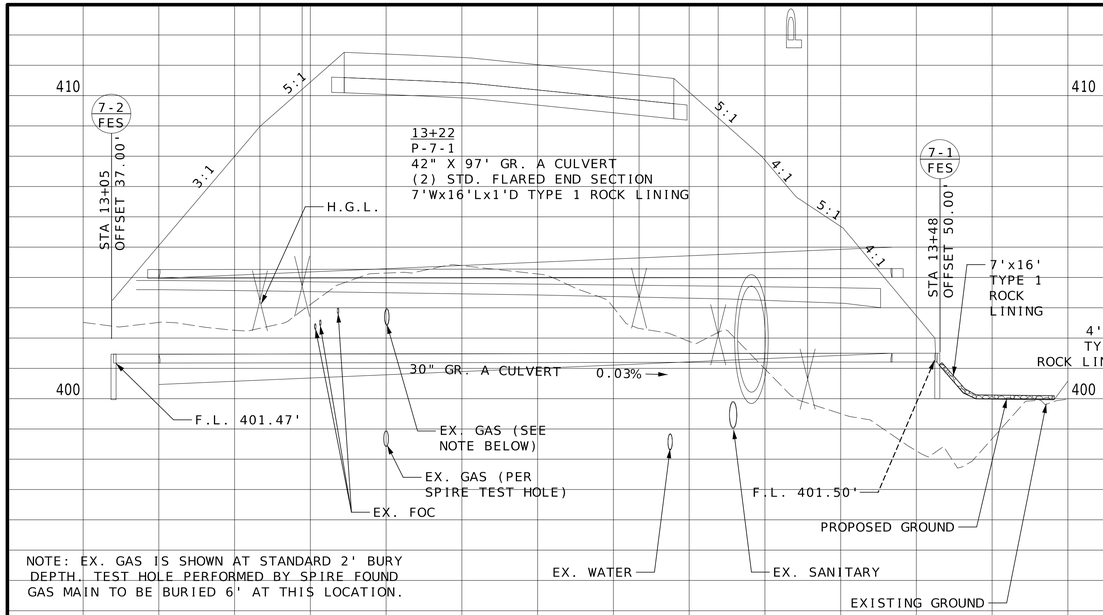
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

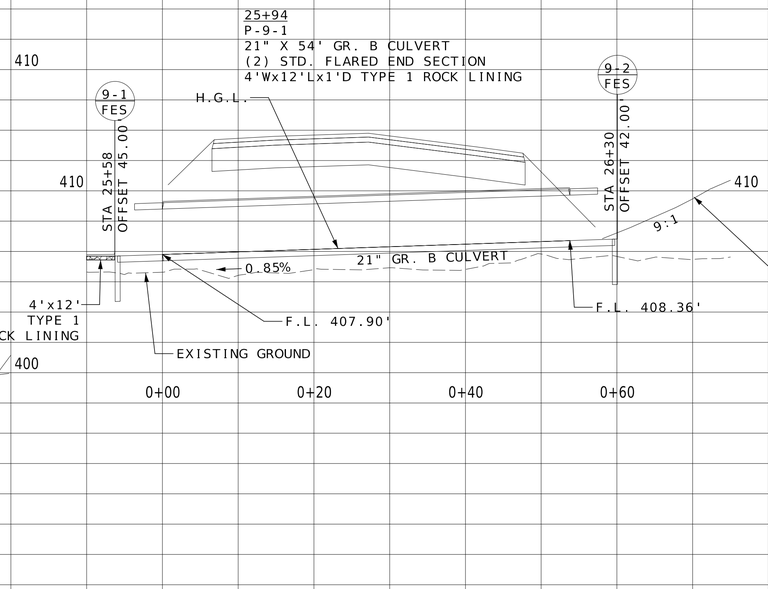
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

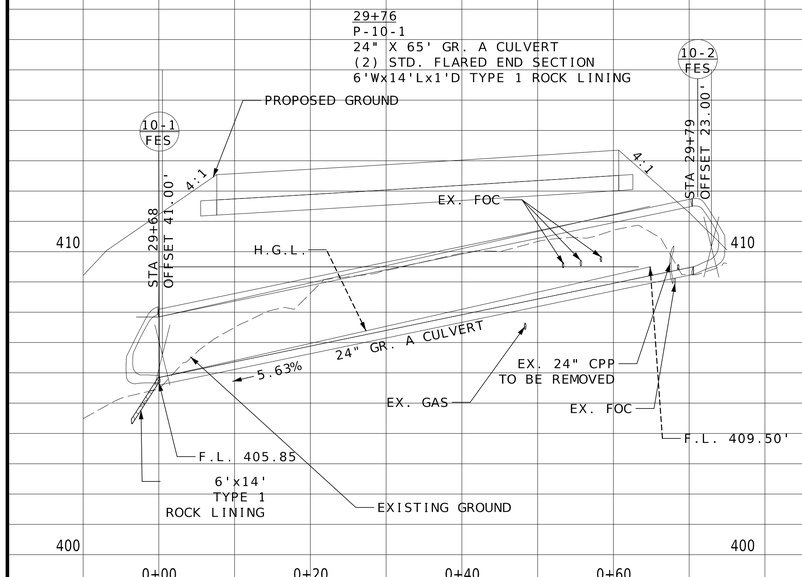
© Copyright CMT Inc

CULVERT SECTIONS
SHEET 1 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)







NOTE: EX. GAS IS SHOWN AT STANDARD 2' BURY DEPTH. TEST HOLE PERFORMED BY SPIRE FOUND GAS MAIN TO BE BURIED 6' AT THIS LOCATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	109

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CULVERT SECTIONS
SHEET 2 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

2'
10'

ST. PIUS DRIVE/ VFW DRIVE

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	110

COUNTY
JEFFERSON

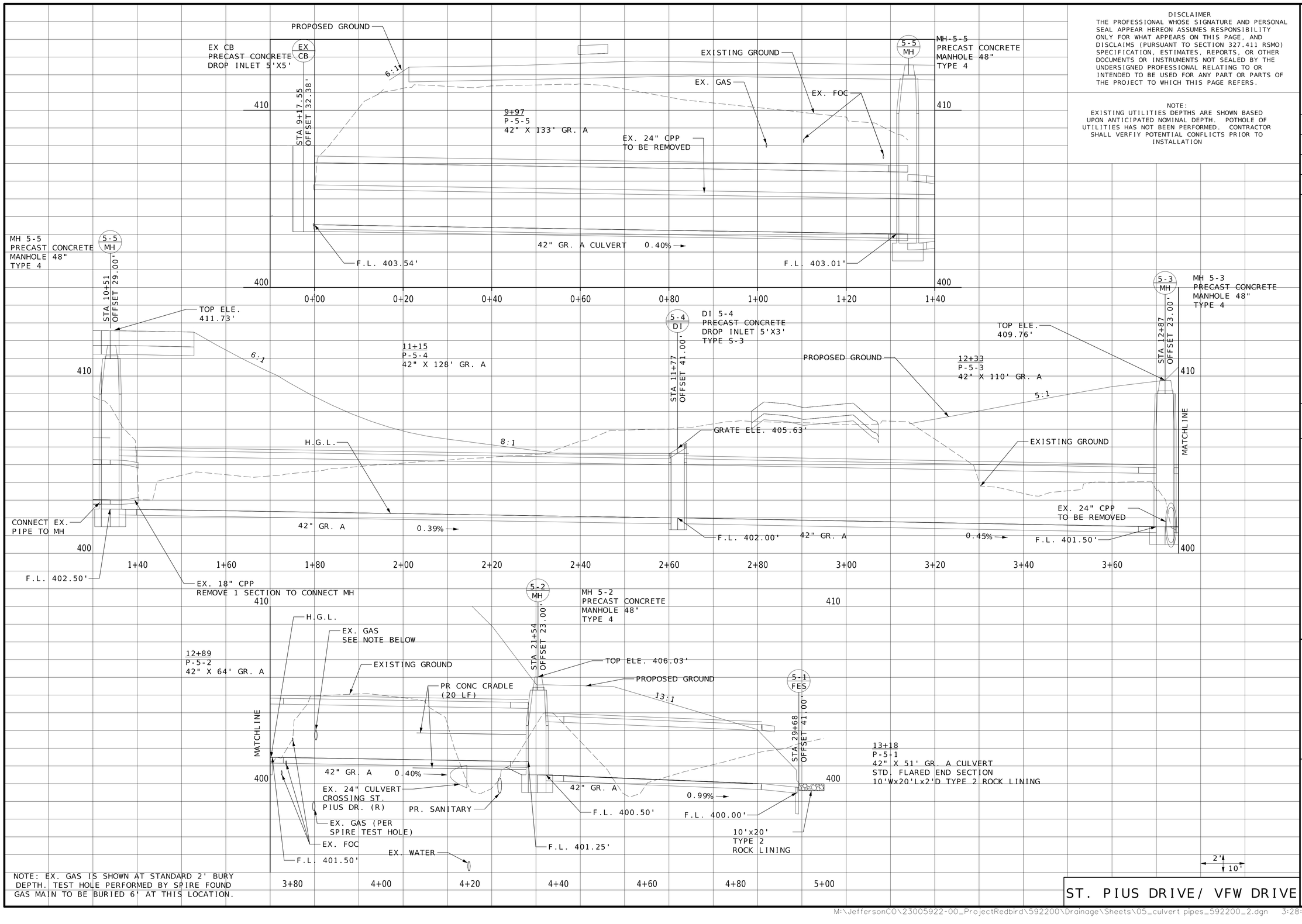
JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stantec CMT Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

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



NOTE: EX. GAS IS SHOWN AT STANDARD 2' BURY DEPTH. TEST HOLE PERFORMED BY SPIRE FOUND GAS MAIN TO BE BURIED 6' AT THIS LOCATION.

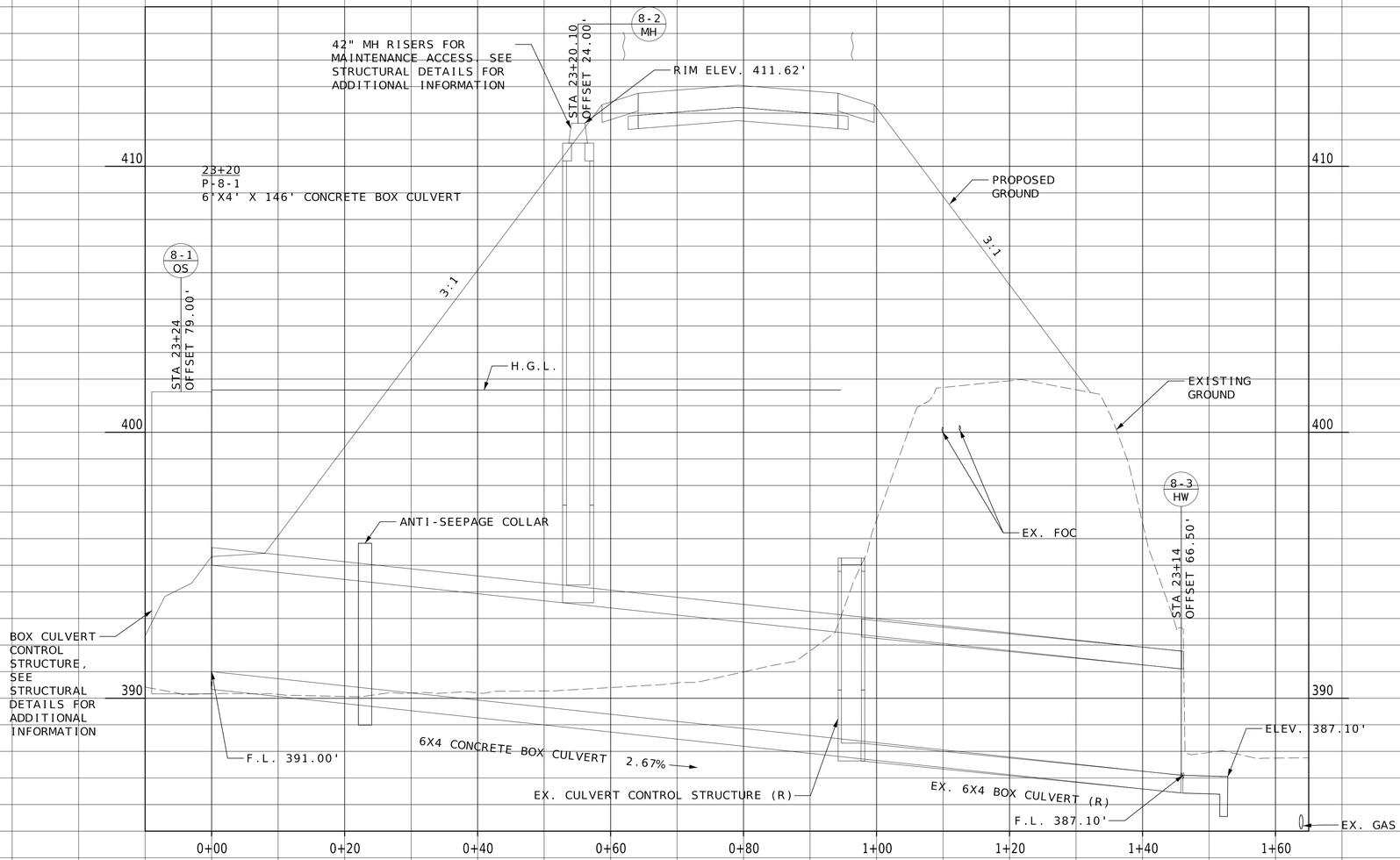
ST. PIUS DRIVE/ VFW DRIVE

CULVERT SECTIONS
SHEET 3 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION



2"
10"

ST. PIUS DRIVE/VFW DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	111

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CULVERT SECTIONS
SHEET 4 OF 8

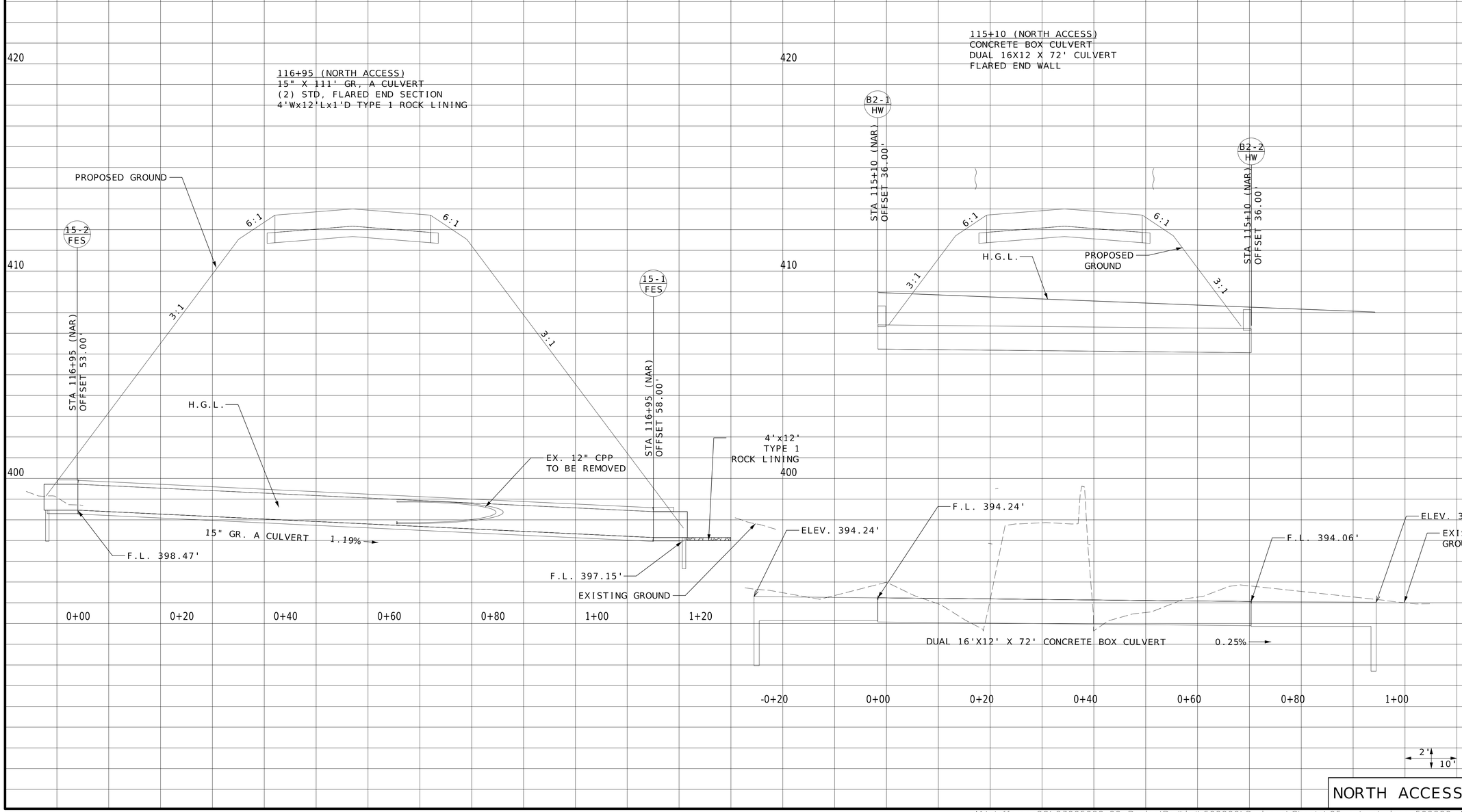
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Drainage\Sheets\05_culvert pipes_592200_3.dgn 3:28:42 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION



10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 112

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

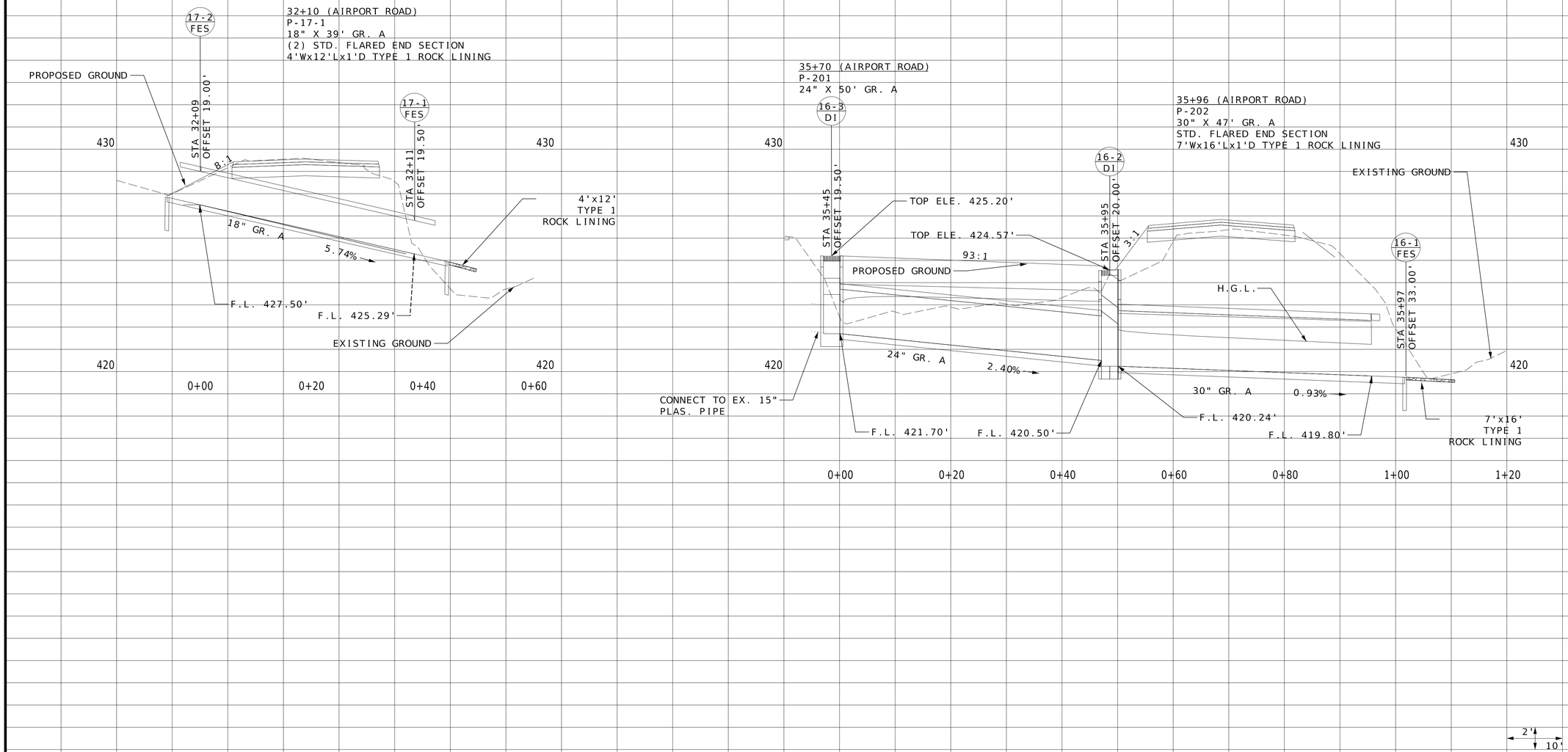
CULVERT SECTIONS
SHEET 5 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	113

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

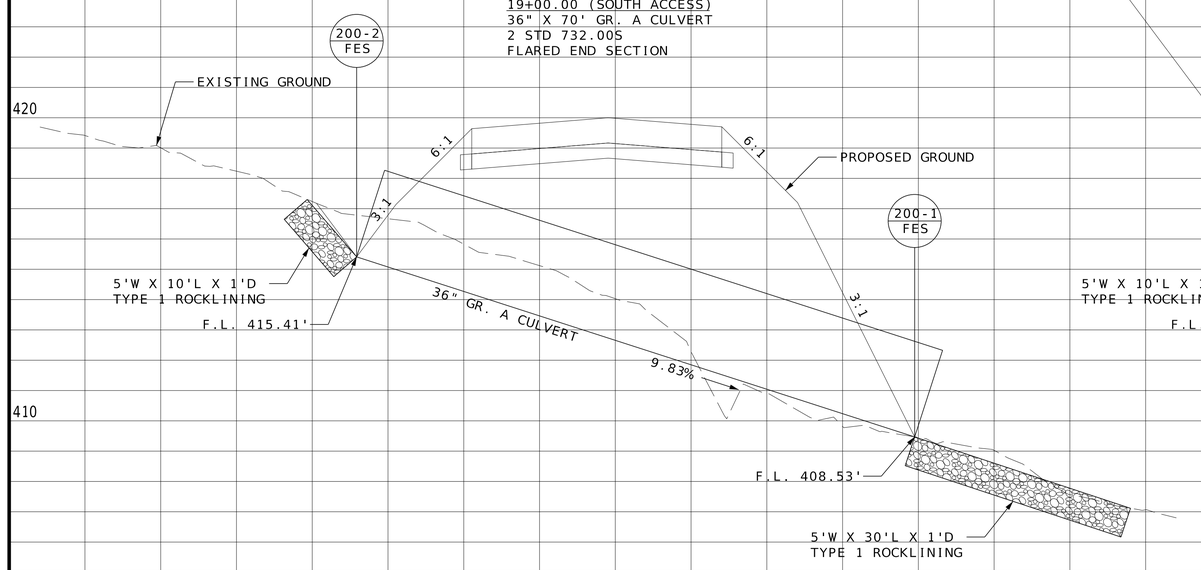
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-8500
ENGINEERING CORPORATION - 000631

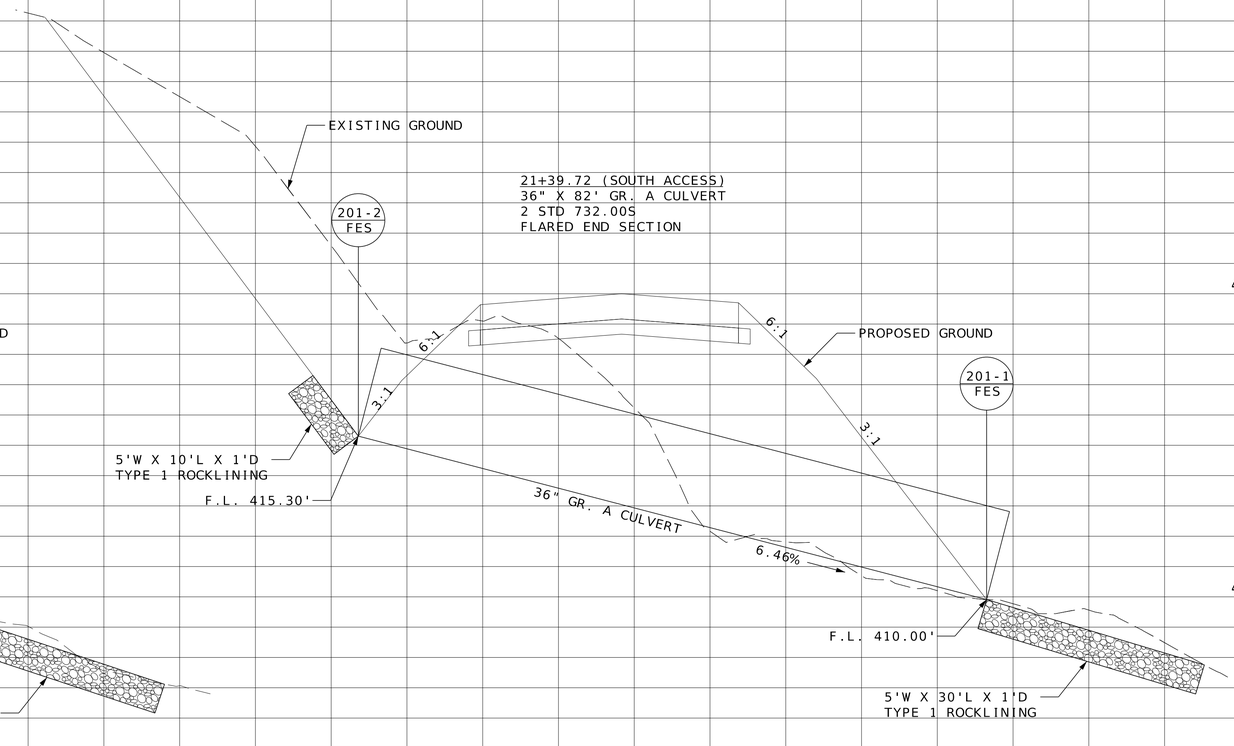
CULVERT SECTIONS
SHEET 6 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION





TODD EHLEN
NUMBER
PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	114

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

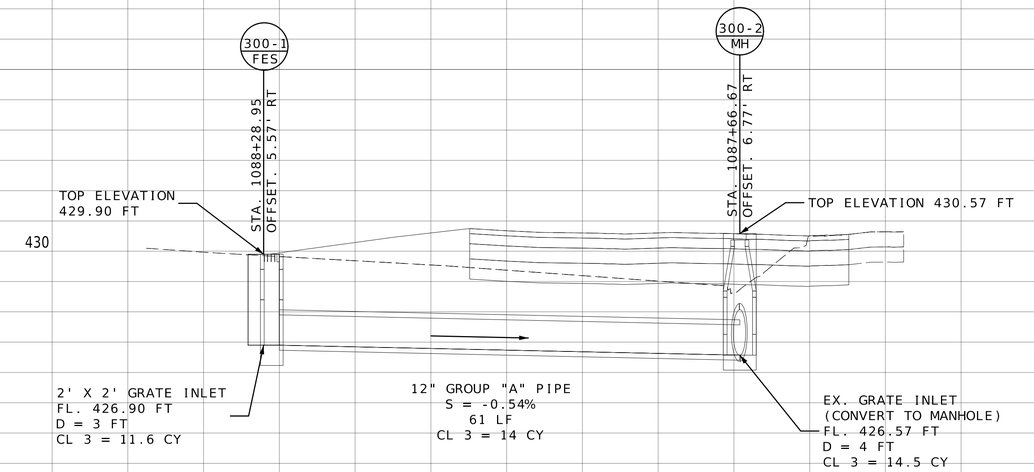
CULVERT SECTIONS
SHEET 7 OF 8

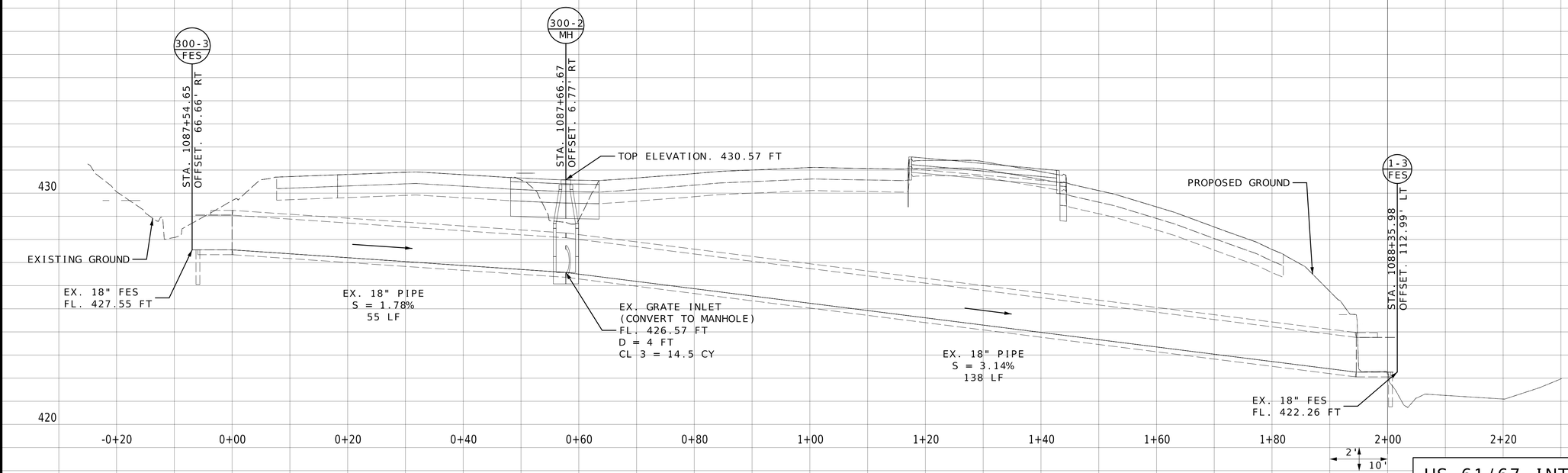
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE:
EXISTING UTILITIES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTOR SHALL VERFIY POTENTIAL CONFLICTS PRIOR TO INSTALLATION





US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	115

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CULVERT SECTIONS
SHEET 8 OF 8

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_CS_592200.dgn 11:39:29 AM 10/16/2024

RIGHT OF WAY TAKINGS SUMMARY

PARCEL NO.	OWNER DEED REFERENCE / BOOK & PAGE PARCEL ID ADDRESS	EXISTING PARCEL AREA (SQ FT)[1]	NEW ROW AREA (SQ FT)	PRE-SCRIPTIVE EASEMENT (SQ FT)	REMAINING PARCEL AREA (SQ FT)	PERMANENT EASEMENT (SQ FT)	TEMPORARY EASEMENT (SQ FT)	RAILROAD CROSSING EASEMENT (SQ FT)
1	ARCHDIOCESE OF ST LOUIS REAL ESTATE CORPORATION 2023R-022472 19-4.0-18.0-0-001-001 ST. PIUS DR	138,521 ± (3.18 ± ac)	0	---	138,521 ±	0	964	---
2	ST. LOUIS ARCHDIOCESE BK. 315, PG. 56 19-4.0-18.0-0-001-005 1030 ST. PIUS DR	1,028,452 ± (23.61 ± ac)	3,621	---	1,024,831 ±	12,178	11,989	---
3	BMCE FESTUS PROPERTY, LLC 2024R-004916 19-3.0-07.0-4-001-004 1160 S. TRUMAN BLVD	388,991 ± (8.93 ± ac)	1,063	---	387,928 ±	4,222	3,158	---
4	ST LOUIS CONCRETE, LLC 2024R-017501 19-3.0-07.0-4-001-008 1019 ST. PIUS DR	33,106 ± (0.76 ± ac)	520	---	32,586 ±	448	3,122	---
5	FRED WEBER, INC. 2019R-019351 19-3.0-07.0-4-001-007 975 VFW DR	8,712 ± (0.20 ± ac)	0	---	8,712 ±	0	1,680	---
6	CHARLES & JAQUELINE WHITE DEED #020049936 19-3.0-07.0-4-001-006 971 VFW DR	144,184 ± (3.31 ± ac)	368	---	143,816 ±	1,005	10,892	---
7	VFW POST 3777 BK. 182, PG.199 19-4.0-17.0-0-000-002 900 VFW DR	601,128 ± (13.80 ± ac)	PR #1 = 41,041 QC #1 = 927 QC #2 = 67	---	560,087 ±	41,450	T.E. #1 = 45,477 T.E. #2 = 1,998 **TOTAL = 47,475**	---
8	FRED WEBER, INC. BK. 556, PG. 814 19-3.0-08.0-3-001-006 851 VFW DR	596,336 ± (13.69 ± ac)	1,787	---	594,549 ±	250	T.E. #1 = 258 T.E. #2 = 26,239 **TOTAL = 26,497**	---
9	MISSOURI PACIFIC RAILROAD 2022P-000188	N/A	---	---	N/A	TBD	TBD	TBD
10	FRED WEBER, INC. 2020R-013366 19-3.0-07.0-4-001-007.01 976 VFW DR	24,394 ± (0.56 ± ac)	24,394	---	0 ±	---	---	---
11	THEODORE & LETTIE BRADFORD 2016R-030942 19-3.0-07.0-4-001-006.01 979 VFW DR	52,272 ± (1.20 ± ac)	0	---	52,272 ±	---	4,038	---
12	MISSOURI NATURAL GAS CO. (SPIRE MISSOURI, INC.) BK. 255, PG. 502 19-3.0-07.0-4-001-004.01 ST. PIUS DR	436 ± (0.01 ± ac)	0	---	436 ±	0	304	---
13	FRED WEBER, INC. BK. 712, PG. 554 19-4.0-17.0-0-000-001 838 VFW DR	11,129,580 ± (255.50 ± ac)	4,766	---	1,080,468 ±	908	76,563	---
14	TXPOPS LLC 2019R-031098 19-4.0-17.0-0-000-003	1,092,485 ± (25.08 ± ac)	PR #1 = 1,978 PR #2 = 5,238 **TOTAL = 7,216**	4,801	1,080,468 ±	P.E. #1 = 8,595 P.E. #2 = 10,361 **TOTAL = 18,956**	T.E. #1 = 33,429 T.E. #2 = 14,121 **TOTAL = 47,550**	---

NOTES:
(1) PARCEL AREAS TAKEN FROM JEFFERSON COUNTY MISSOURI PROPERTY VIEWER

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 116

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8555
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 1 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

RIGHT OF WAY TAKINGS SUMMARY

PARCEL NO.	OWNER DEED REFERENCE / BOOK & PAGE PARCEL ID ADDRESS	EXISTING PARCEL AREA (SQ FT)[10]	NEW ROW AREA (SQ FT)	PRE-SCRIPTIVE EASEMENT (SQ FT)	REMAINING PARCEL AREA (SQ FT)	PERMANENT EASEMENT (SQ FT)	TEMPORARY EASEMENT (SQ FT)	RAILROAD CROSSING EASEMENT (SQ FT)
15	TXPOPS LLC 2022R-035590 19-4.0-17.0-0-000-005	115,870 ± (2.66 ± ac)	6,042	----	109,828 ±	7,586	25,478	----
16	JAMES HARDIE BUILDING PRODUCTS, INC. 2023R-008874 19-4.0-17.0-0-000-013 900 AIRPORT ROAD	5,609,657 ± (128.78 ± ac)	TBD	----	5,609,657 ±	TBD	TBD	----
17	GIP/ABT LLC 2022R-010240 19-4.0-20.0-0-000-043.02 19-4.0-20.0-0-000-043.03	794,970 ± (18.25 ± ac)	PR #1 = 76,652 PR #1 = 13,916 **PR #2 = 90,568**	----	704,402 ±	P.E. #1 = 21,437 P.E. #2 = 23,038 P.E. #3 = 3,224 P.E. #4 = 5,065 **TOTAL = 52,764**	T.E. #1A = 17,263 T.E. #1B = 4,319 T.E. #2 = 28,643 T.E. #3 = 4,872 T.E. #4 = 17,545 **TOTAL = 72,642**	----
18	TESREAU TRUST ETAL 2023R-008875 19-4.0-20.0-0-000-044.01	835,045 ± (19.17 ± ac)	0	----	835,045 ±	0	0	----
19	JAMES HARDIE BUILDING PRODUCTS, INC. 2023R-008865 19-4.0-20.0-0-000-044.02	290,981 ± (6.68 ± ac)	TBD	----	290,981 ±	TBD	TBD	----
20	WINGS PORTCO INC 2011R-006749 19-4.0-20.0-0-000-044	365,904 ± (8.40 ± ac)	0	----	334,849 ±	0	0	----
21	CROWN PLASTICS INC 2015R-004330 19-4.0-17.0-0-000-011 918 AIRPORT ROAD	175,982 ± (4.04 ± ac)	0	----	175,982 ±	0	0	----
22	LEWIS LUCAS REALTY INC. BK. 165, PG. 120 PIN UKN.	52,040 ± (1.19 ± ac)	52,040	----	0 ±	0	0	----
23	CONNIE J HILL 2015R-002529 19-3.0-07.0-4-001-005 661 COUNTY RD	(3.01 ± ac)	0	----	(3.01 ± ac)	0	0	----
24	1305 HIGHWAY 61, LLC 2008R-040270 19-4.0-18.0-0-004-001 1305 US HIGHWAY 61	(4.00 ± ac)	0	----	(4.00 ± ac)	0	0	----
25	HALE REAL ESTATE DEED # 030055954 19-4.0-18.0-0-001-004 1035 ST. PIUS DR	(1.39 ± ac)	0	----	(1.39 ± ac)	0	0	----
26	DARRELL & LELA SAGO, TRUSTEES DEED #040047704 19-4.0-18.0-0-002-002 1240 AMERICAN LEGION DR	(0.96 ± ac)	0	----	(0.96 ± ac)	0	0	----
27	LD COMPTON BUILDING MATERIALS CO 2020R-028786 19-4.0-18.0-0-002-003.00 19-4.0-18.0-0-002-003.01 1245 AMERICAN LEGION DR	(1.95 ± ac)	0	----	(1.95 ± ac)	0	0	----
28	JAMES ALMANY 2021R-038156 19-4.0-20.0-0-000-043.01	(11.26 ± ac)	0	----	(11.26 ± ac)	0	0	----

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 117

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 2 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

REV.

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

① *ARCHDIOCESE OF ST.LOUIS REAL ESTATE CORPORATION*
2023R-022472
19-4.0-18.0-0-001-001
ST.PIUS DR

② *ST LOUIS ARCHDIOCESE*
BK.315, PG.56
19-4.0-18.0-0-001-005
1030 ST PIUS DR

+41.65 20.00'LT
+92.59 IRON PIN FOUND 20.00'LT
+25.00 25.00'LT
+25.00 20.00'LT
+18.07 140.86'LT
+13.12 140.16'LT
+24.13 IRON PIN FOUND 73.57'LT
+19.07 74.83'LT
+89.73 25.00'LT
+41.65 20.00'RT
+25.00 20.00'RT
+25.00 35.00'RT
+78.00 35.00'RT
+99.73 20.00'RT
+78.00 105.00'RT
+32.00 40.00'RT
+25.00 105.00'RT

CONSTRUCTION LIMITS
10' WATER EASEMENT PER ACGMA SUBDIVISION
PR TEMP ESM'T
EX. FENCE (DND)
EX. ROW
℄ ST PIUS DR
EX ℄ ST PIUS DR
N48°01'55"E
STA 8+25.00 BEGIN CONSTRUCTION
PR PERMANENT ESM'T
℄ ST PIUS SPUR
℄ VFW DR STA 9+99.72
℄ ST PIUS SPUR STA 6+26.57
MATCHLINE STA. 10+40.00
ASPHALT DRIVE EX 4.51% PR 2.00%
STA. 10+01.90
CONC
SAVE
20'
15'
70'

SCALE
0 20 40 60

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	118

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2405
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

RIGHT-OF-WAY SHEET
SHEET 3 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

MATCHLINE STA. 10+40.00

MATCHLINE STA. 15+80.00

(3) BMCE FESTUS PROPERTY LLC
2024R - 004916
19-3.0-07.0-4-001-004
1160 S TRUMAN BLVD

(4) ST LOUIS CONCRETE LLC
2024R-017501
19-3.0-07.0-4-001-008
1019 ST PIUS DR

(12) MISSOURI NATURAL GAS CO. (SPIRE MISSOURI INC.)
BK. 0255, PG.00502
19-3.0-07.0-4-001-004.01
ST.PIUS DR

(10) FRED WEBER, INC.
2020R-013366
19-3.0-07.0-4-001-007.01
976 VFW DR

(9) MISSOURI PACIFIC RAILROAD
(100'W R.O.W.)

(2) ST LOUIS ARCHDIOCESE
BK.315, PG.56
19-4.0-18.0-0-001-005
1030 ST PIUS DR

+54.99 188.61'LT
+57.97 79.77'LT
+67.96 80.30'LT
+73.45 34.28'LT
+90.00 60.00'LT
+90.00 53.00'LT
+78.31 20.00'LT
+94.30 25.00'LT
+18.00 48.00'LT
+12.00 52.00'LT
+81.00 60.00'LT
+81.00 48.00'LT
+00.00 29.00'LT
+86.00 29.00'LT
+07.00 48.00'LT
+17.00 49.00'LT
+46.90 24.65'LT
+50.00 45.00'LT
+15.00 25.00'LT
+68.75 64.98'LT
+78.87 53.36'LT
+88.74 25.00'LT
+95.00 41.50'LT
+00.00 49.64'LT
+05.18 IRON PIN FOUND 29.66'LT
+17.25 IRON PIN FOUND 36.46'LT
+85.20 25.00'LT
+82.09 43.56'LT

CONSTRUCTION LIMITS
PR TEMP ESM'T
PR PERMANENT ESM'T
NEW ROW
EX. ROW
EX. ℄ ST PIUS DR
℄ ST PIUS DR
CONCRETE DRIVE EX 10.38% STA. 12+09.93 PR 10.38%
ASPHALT DRIVE EX 6.38% STA. 14+04.07 PR 8.00%
AGG.
CONC.
CURVE 1
EX. CROSSING ESM'T (ROW)
RR ROW (APPROX.)
RR ROW
PR RR CROSSING ESM'T
T.E. #9-2
T.E. #9-1
CONSTRUCTION LIMITS
PRIVATE SIGN (R&RELOC.)
EX. BLEACHERS (DND)
TYPE 1 ROCK BLANKET
EX. FENCE (DND)
EX. BLEACHERS (DND)
GRAVEL DRIVE EX 7.36% STA. 14+72.59 PR 8.38%
PR TEMP ESM'T
+39.87 19.98'RT
+39.38 35.00'RT
+40.00 45.00'RT
+40.00 55.46'RT
+55.00 36.51'RT
+55.00 45.00'RT
+93.00 48.00'RT
+65.57 31.00'RT
+19.62 7.46'RT
+83.00 70.00'RT
+90.00 84.00'RT
+26.34 31.00'RT
+48.00 54.00'RT
+52.00 46.00'RT
+96.86 31.00'RT
+97.71 35.00'RT
+00.04 46.00'RT
+91.58 IRON PIN FOUND 5.54'RT
+18.00 130.62'RT

CURVE 1
PI 14+19.05
PC 13+45.35
PT 14+87.12
Δ 38°40'48.2" (RT)
D 27°17'1.3"
L 141.77' (ARC)
T 73.71'
R 210.00'

SCALE
0 20 40 60

10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 119

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE | DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

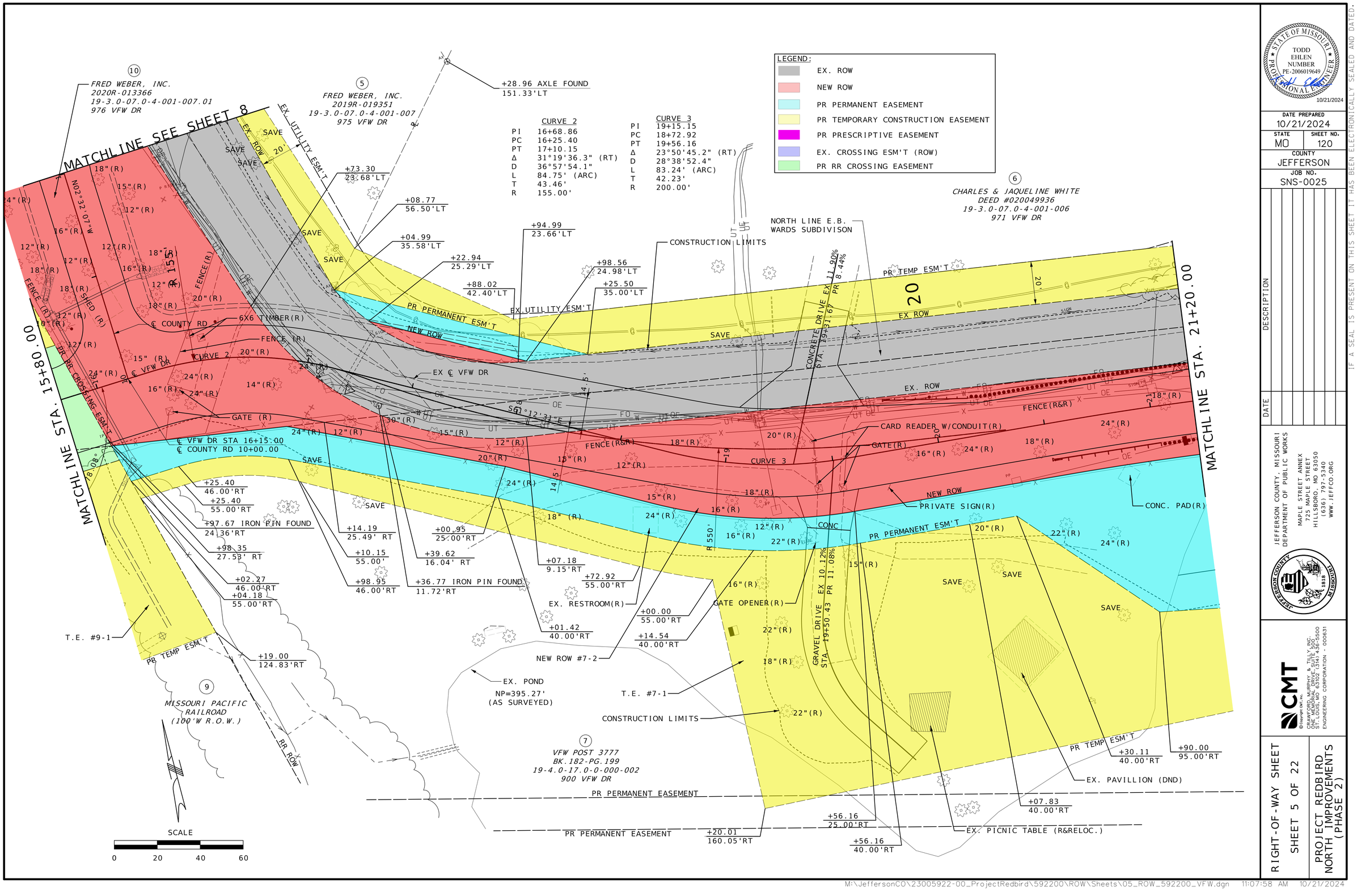
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2454
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

RIGHT-OF-WAY SHEET
SHEET 4 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/21/2024

STATE	SHEET NO.
MO	120

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

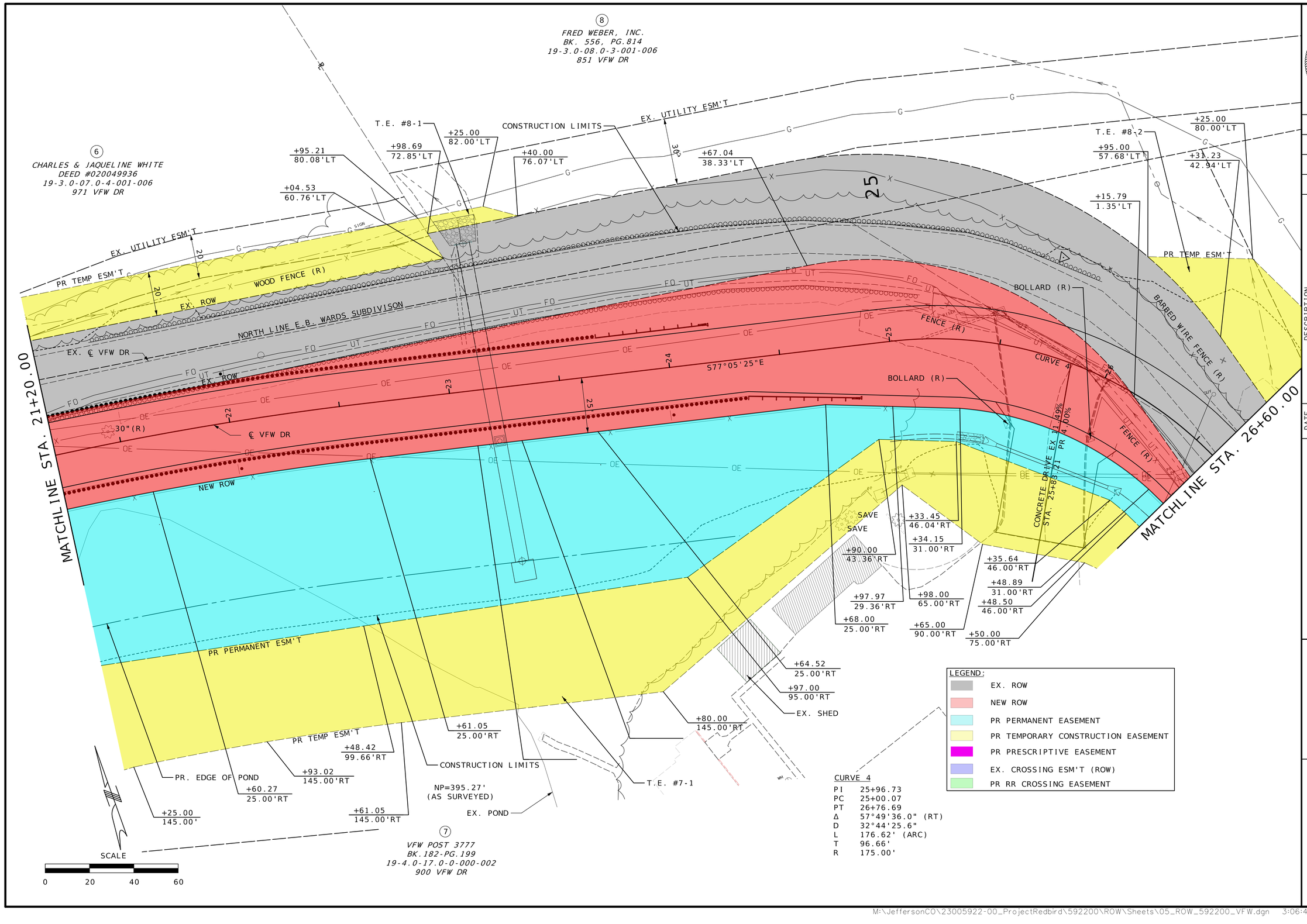
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 5 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\05_ROW_592200_VFW.dgn 11:07:58 AM 10/21/2024



TODD EHLEN
NUMBER
PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	121

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 6 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\05_ROW_592200_VFW.dgn 3:06:44 PM 10/16/2024

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

MATCHLINE STA. 26+60.00

MATCHLINE STA. 32+00.00

MATCHLINE STA. 124+50.00
SEE SHEET 13 OF 24

(8)
FRED WEBER, INC.
BK. 556, PG.814
19-3.0-08.0-3-001-006
851 VFW DR

(7)
VFW POST 3777
BK.182-PG.199
19-4.0-17.0-0-000-002
900 VFW DR

(14)
TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003

CURVE 5
PI 29+12.04
PC 27+46.13
PT 30+32.05
Δ 72°48'25.8" (RT)
D 25°27'53.2"
L 285.91' (ARC)
T 165.91'
R 225.00'

+34.09 27.88'LT
+80.10 30.50'LT
+51.25 26.70'LT
+05.00 85.00'LT
+75.00 40.00'LT
+85.00 60.00'LT
+44.51 27.11'LT
+74.00 52.00'LT
+09.69 26.46'LT
+58.00 51.00'LT
+96.94 30.50'LT
+87.09 26.68'LT
+19.48 40.00'RT
+18.58 25.00'RT
+35.00 40.00'RT
+32.36 25.00'RT
+47.30 20.64'RT
+18.86 25.00'RT
+82.50 25.00'RT
+62.50 40.00'RT
+07.00 86.14'RT
+38.68 40.00'RT
+29.00 55.00'RT
+99.57 96.84'RT
+84.88 99.87'RT
+61.83 21.59'RT
+11.42 25.00'RT
+32.05 25.00'RT
+13.56 20.89'RT
+35.00 55.00'RT
+11.42 40.00'RT
+32.05 40.00'RT
+53.19 24.65'
+52.83 25.00'RT
+44.27 IRON ROD FOUND 33.74'RT

T.E. #8-2
CONSTRUCTION LIMITS
T.E. #7-1
T.E. #7-2
T.E. #14-2
NEW ROW #14-2
P.E. #14-2
EX. ROW
NEW ROW
PR TEMP ESM'T
PR PERMANENT ESM'T
EX. UTILITY ESM'T
EX. ℄ VFW DR
CURVE 5
FENCE (R)
FENCE (R&R)
FENCE (DND)
WOOD POST (R)
36" (R)
SAVE
EX. MEMORIAL
EX. FLAG
MAILBOX (R&R)
40"(R)
BOLLARD (R)
CONCRETE DRIVE EX 9.14% PR 4.84%
STA. 29+28.80
STA 29+77
EX. ASPHALT PARKING LOT
PR PERMANENT EASEMENT
52'
30'
27'
28'
29'
31'
15'
25'
125'

SCALE
0 20 40 60

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

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	122

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314-436-5500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 7 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\05_ROW_592200_VFW.dgn 3:06:45 PM 10/16/2024

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(8)
FRED WEBER, INC.
BK. 556, PG.814
19-3.0-08.0-3-001-006
851 VFW DR

℄ VFW DR STA 32+22.53 =
℄ NORTH ACCESS RD 125+50.00

+50.00 65.00'LT
+35.00 45.00'LT
+80.00 65.00'LT
+00.00 52.00'LT
GRAVEL DRIVE EX 4.69% PR 3.70%
STA. 32+64.27
CONC
T.E. #8-2
CONSTRUCTION LIMITS
PR TEMP ESM'T
END ACQUISITION (LT)
+50.00 52.00'LT
+50.00 28.84'LT
STA 35+99.52
END CONSTRUCTION
EX. UTILITY ESM'T
30'
EX. ROW
MAILBOX (R&R)
STEEL POST (R)
PRIVATE SIGN (R&RELOC.)
21" (R)
EX. ℄ VFW DR
NEW ROW
℄ VFW DR
STA 34+50
+20.64 25.00'RT
+50.00 25.00'RT
+00.00 17.14'RT
+87.06 25.00'RT
+24.71 17.26'RT
+50.00 18.66'RT
CONSTRUCTION LIMITS
GRAVEL DRIVE EX 8.09% PR 2.60%
STA 33+02.43
EX. ESM'T
℄ NORTH ACCESS ROAD
18"(R)
EX. PORTABLE SHED (R&RELOC.)
GRAVEL PARKING LOT
PR TEMP ESM'T
+55.88 95.80'RT
20'
5'
MATCHLINE STA. 124+50.00
SEE SHEET 13 OF 24

(22)
LEWIS LUCAS REALTY, INC.
BK. 165 PG.120
PIN UKN

(13)
FRED WEBER, INC.
BK. 712, PG 554
19-4.0-17.0-0-000-001
838 VFW DR

MATCHLINE STA. 32+00.00

SCALE
0 20 40 60

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	123

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

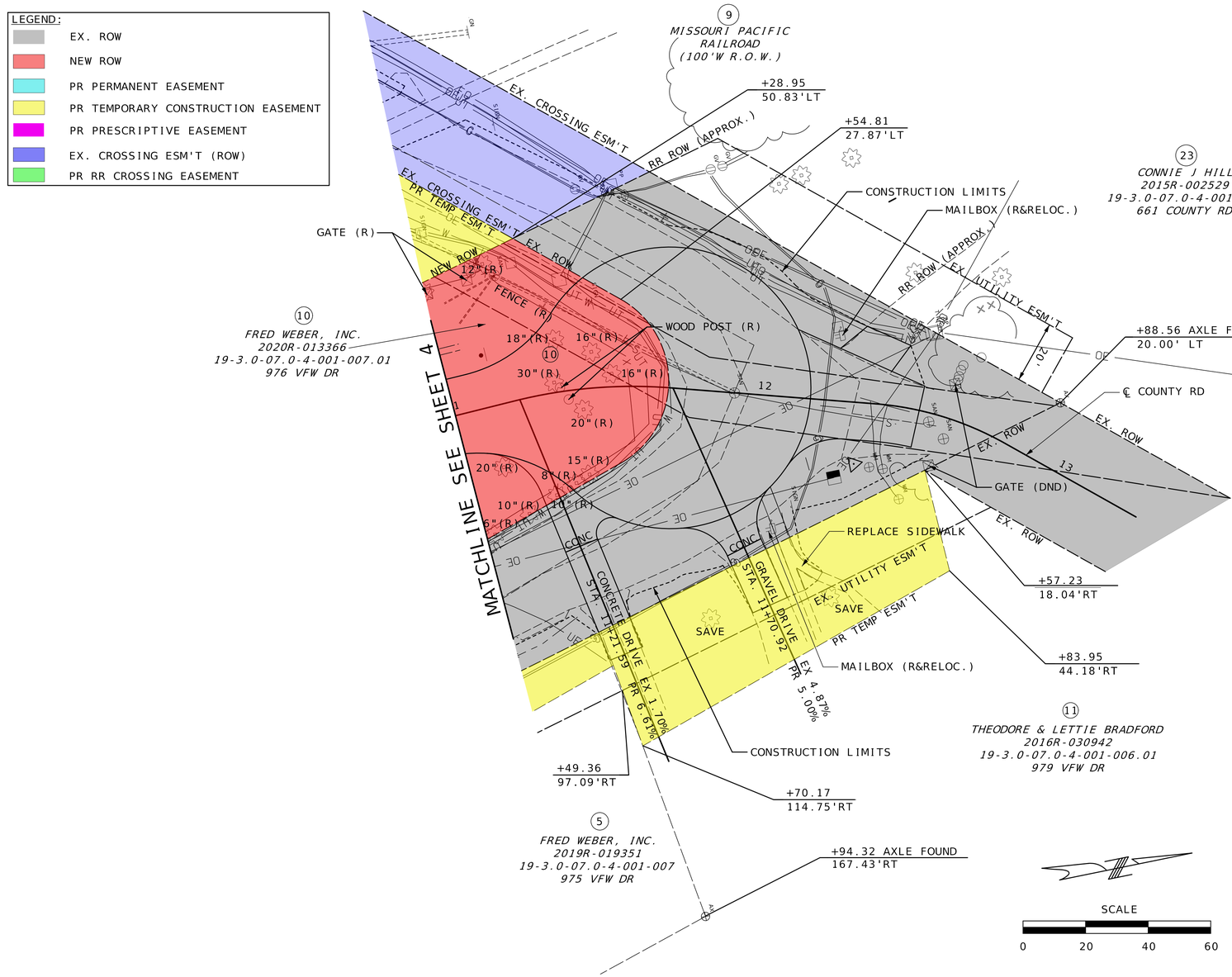
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 2500
ST. LOUIS, MO 63102-2414
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

RIGHT-OF-WAY SHEET
SHEET 8 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 124

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 350
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 9 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(14)
TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003

(16)
JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

SEE SHEET 16 OF 24
MATCHLINE STA. 108+99.36

MATCHLINE STA. 111+90.00

℄ TEMP ROAD
℄ NORTH ACCESS ROAD
CURVE 9
PCC STA 110+60.28
110
111
+45.46
51.52'LT
+45.27
50.03'LT
+25.00
120.00'LT
+61.97
120.00'LT
+25.00
40.00'LT
+25.00
25.00'LT
EX. SIGN (R)
T.C. #16-2
T.C. #14-1
PR TEMPORARY CONSTRUCTION EASEMENT
P.E. #16-1
PR PERMANENT EASEMENT
15'
NEW ROW
25'
23'
NEW ROW
NEW ROW #16-1
SITE IMPROVEMENTS (BY OTHERS)
PR. FENCE (BY OTHERS)
STA 111+50.00
BEGIN CONSTRUCTION
+25.00
15.00'RT
+25.00
25.00'RT
MEET SITE IMPROVEMENTS
(BY OTHERS.)
CONSTRUCTION LIMITS
+42.81
48.44'RT
+44.92
49.97'RT
T.E.#16-5
T.E.#16-1
+25.00
120.00'RT
PR TEMPORARY CONSTRUCTION EASEMENT

CURVE 9
PI 108+72.32
PC 106+78.53
PT 110+60.28
Δ 24°18'8.9" (RT)
D 6°21'58.3"
L 381.74' (ARC)
T 193.79'
R 900.00'

SCALE
0 20 40 60

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

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	125

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 10 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(14) TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003

(15) TXPOPS LLC
2022R-035590
19-4.0-17.0-0-000-005

(22) LEWIS LUCAS REALTY INC.
BK.165,PG.120
PIN UKN

(16) JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

(13) FRED WEBER, INC.
BK.712, PG.554
19-4.0-17.0-0-000-001
838 VFW DR

T.C. #14-1
T.E.#16-1
P.E. #14-1
P.E. #16-2
NEW ROW #14-1
NEW ROW #16-1
PERM ESM'T #16-1
CONSTRUCTION LIMITS
PR TEMPORARY CONSTRUCTION EASEMENT
PR PERMANENT EASEMENT
PR. RIPRAP
NEW ROW
EX. EASEMENT
EX. 40' ROADWAY EASEMENT
℄ NORTH ACCESS ROAD
CURVE 8
CURVE 7
10'X6' CULVERT(R)
PR(2) 12'X10' BOX CULVERTS
PR. 15" CULVERT
EX. 8" PVC(R)
EX. FENCE(R)
EX. GATE POST(R)
MATCHLINE STA. 111+90.00
MATCHLINE STA. 117+30.00
PT STA 115+49.89
PC STA 116+29.39

+31.91 IRON PIN FOUND 34.65'LT
+31.11 IRON PIN FOUND 27.85'LT
+93.10 IRON PIN FOUND 40.84'LT
+95.61 40.00'LT
+35.30 28.31'LT
+35.20 27.59'LT
+34.84 25.00'LT
+81.68 25.00'
+80.00 85.00'LT
+80.00 40.00'LT
+49.89 120.00'LT
+97.95 40.00'LT
+40.00 85.00'LT
+40.00 40.00'LT
+49.94 40.01'LT
+95.56 25.00'LT
+10.71 120.00'LT
+07.52 100.00'LT
+85.00 81.00'LT
+29.39 100.00'LT
+85.00 40.00'LT
+05.00 81.00'LT
+05.00 40.00'LT
+94.03 IRON PIN FOUND 15.42'LT
+93.93 IRON PIN FOUND 15.31'LT
+29.39 40.00'LT
+29.39 25.00'LT
+63.97 16.09'RT
+80.00 26.63'
+59.19 24.25'
+59.23 27.00'
+50.00 26.92'
+50.75 25.24'RT
+85.00 26.24'RT
+05.00 27.10'RT
+80.00 85.00'RT
+50.00 75.00'RT
+20.00 110.00'RT
+49.89 120.00'RT
+47.39 IRON PIN FOUND 25.17'RT
+50.68 IRON PIN FOUND 26.47'RT
+29.39 120.00'RT
+45.95 120.00'RT
+85.00 71.00'RT
+05.00 71.00'RT
+47.67 85.00'RT
+29.64 IRON PIN FOUND 11.34'LT

CURVE 8
PI 113+08.96
PC 110+60.28
PT 115+49.89
Δ 24°45'7.2" (RT)
D 5°3'19.5"
L 489.61' (ARC)
T 248.69'
R 1,133.35'

CURVE 7
PI 118+54.97
PC 116+29.39
PT 120+78.65
Δ 12°52'13.4" (RT)
D 2°51'53.2"
L 449.26' (ARC)
T 225.58'
R 2,000.00'

SCALE
0 20 40 60

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO
SHEET NO. 126
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD,MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

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

RIGHT-OF-WAY SHEET
SHEET 11 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\05_ROW_592200_NAR.dgn 3:06:50 PM 10/16/2024

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(15) *TXPOPS LLC*
2022R-035590
19-4.0-17.0-0-000-005

(14) *TXPOPS LLC*
2019R-031098
19-4.0-17.0-0-000-003

MATCHLINE STA. 117+30.00

MATCHLINE STA. 122+70.00

EX. SIGN (R&RELOC.)

+42.39 IRON PIN FOUND
1.74'LT

EX. BARBED WIRE FENCE (R)

PR TEMPORARY CONSTRUCTION EASEMENT

+54.85
100.00'LT

+55.76
60.00'LT

+56.21
40.00'LT

+78.65
60.00'LT

EX. SIGN (R&RELOC.)

CONSTRUCTION LIMITS

NEW ROW #14-2

T.C. #14-2

P.E. #14-2

+78.65
25.00'LT

(4) EX. 3' TALL BEAM (R)

PR PERMANENT EASEMENT

NEW ROW

EX. BARB WIRE FENCE (R)

EX. EASEMENT

CURVE 7

ROADWAY EASEMENT EX. 40'

NEW ROW

N90°00'00"E

EX. FENCE (R)

EX. SIGN (R)

+42.97
38.60'RT

CONSTRUCTION LIMITS

+67.50
25.00'RT

EX. WOVEN FENCE (R)

PR TEMPORARY CONSTRUCTION EASEMENT

+57.49
20.13'RT

+78.65
25.00'RT

+78.65
85.00'RT

GATE (R)

EX. LEAN-TO (DND)

EX. SHED (DND)

EX. LEAN-TO (DND)

EX. BARBED WIRE FENCE (R)

(22) *LEWIS LUCAS REALTY INC.*
BK.165,PG.120
PIN UKN.

CURVE 7	
PI	118+54.97
PC	116+29.39
PT	120+78.65
Δ	12°52'13.4" (RT)
D	2°51'53.2"
L	449.26' (ARC)
T	225.58'
R	2,000.00'

SCALE
0 20 40 60

(13) *FRED WEBER, INC.*
BK.712, PG.554
19-4.0-17.0-0-000-001
838 VFW DR

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	127

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

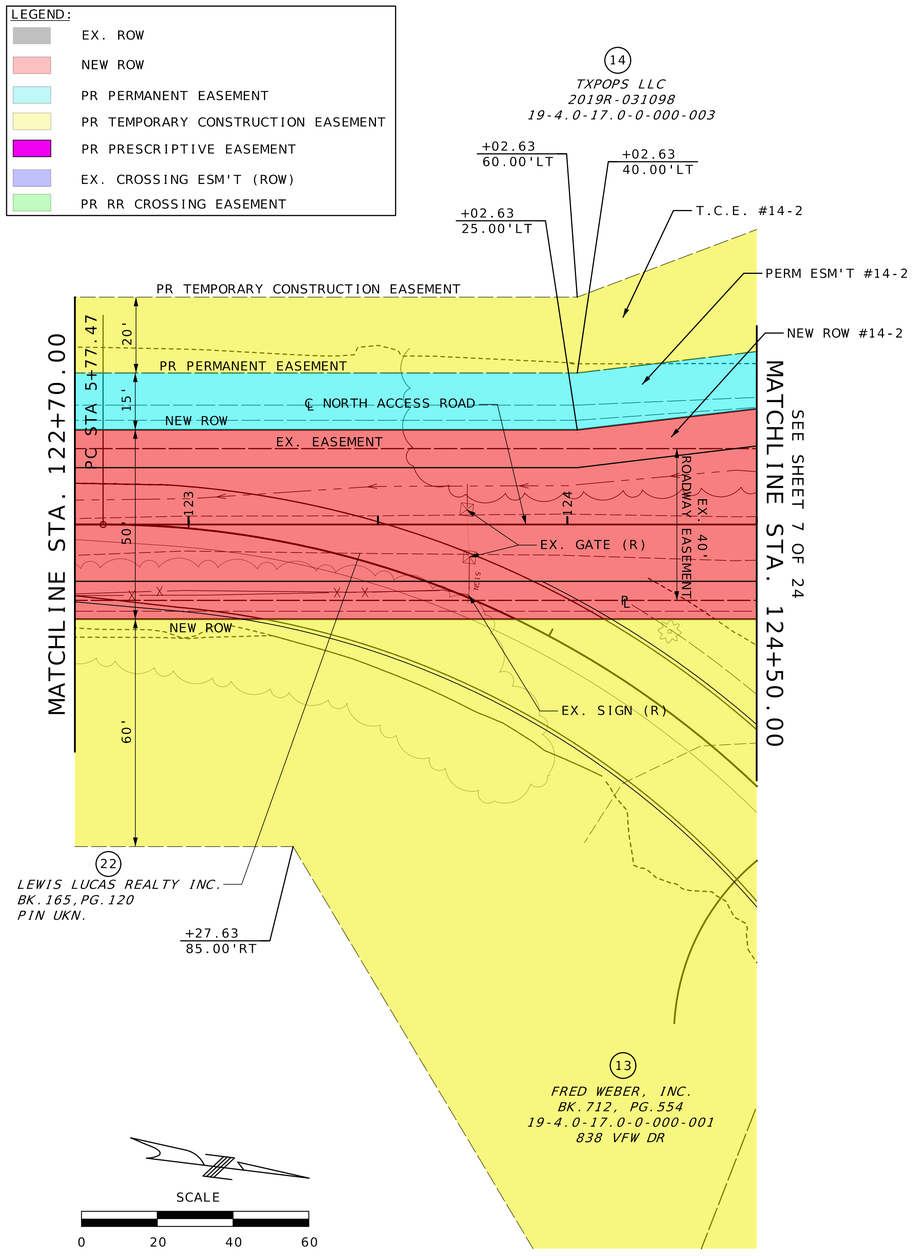
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

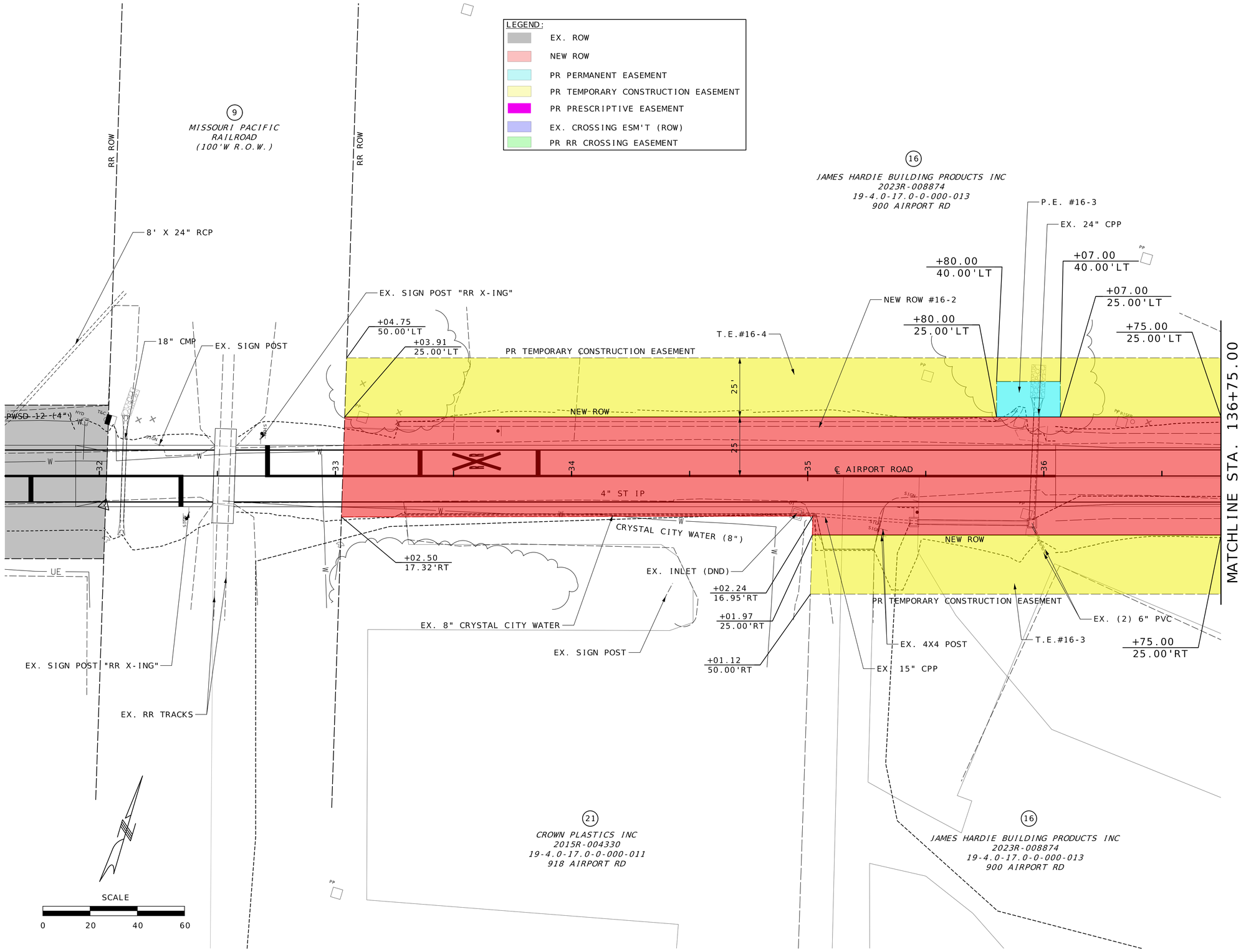
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 12 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\05_ROW_592200_NAR.dgn 3:06:59 PM 10/16/2024


LEGEND:
EX. ROW
NEW ROW
PR PERMANENT EASEMENT
PR TEMPORARY CONSTRUCTION EASEMENT
PR PRESCRIPTIVE EASEMENT
EX. CROSSING ESM'T (ROW)
PR RR CROSSING EASEMENT
14
TXPOPS LLC
2019R-031098
19-4.0-17.0-0-000-003
+02.63
60.00'LT
+02.63
40.00'LT
+02.63
25.00'LT
T.C.E. #14-2
PERM ESM'T #14-2
NEW ROW #14-2
PR TEMPORARY CONSTRUCTION EASEMENT
PR PERMANENT EASEMENT
℄ NORTH ACCESS ROAD
NEW ROW
EX. EASEMENT
EX. 40' ROADWAY EASEMENT
EX. GATE (R)
EX. SIGN (R)
NEW ROW
20'
15'
50'
60'
123
124
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12
L13
L14
L15
L16
L17
L18
L19
L20
L21
L22
L23
L24
L25
L26
L27
L28
L29
L30
L31
L32
L33
L34
L35
L36
L37
L38
L39
L40



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 129

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 14 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

LEGEND:

- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(16)

JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

MATCHLINE STA. 136+75.00

℄ AIRPORT ROAD

PR TEMPORARY CONSTRUCTION EASEMENT

+65.35
50.00'LT

STA 138+65.35 NORTH ACCESS ROAD =
STA 38+65.35 AIRPORT ROAD

4" ST IP

137

138

139

END STA 139+17.41

50'

50'

140

141

CURVE 11

MATCHLINE STA. 141+90.00

PR TEMPORARY CONSTRUCTION EASEMENT

+65.35
50.00'RT

T.E.#16-5

℄ TEMP ROAD

CURVE 11

PI	140+93.01
PC	138+65.35
PT	142+69.03
Δ	66°5'0.4" (RT)
D	16°22'12.8"
L	403.68' (ARC)
T	227.66'
R	350.00'

(16)

JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

SCALE

0 20 40 60

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	130

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

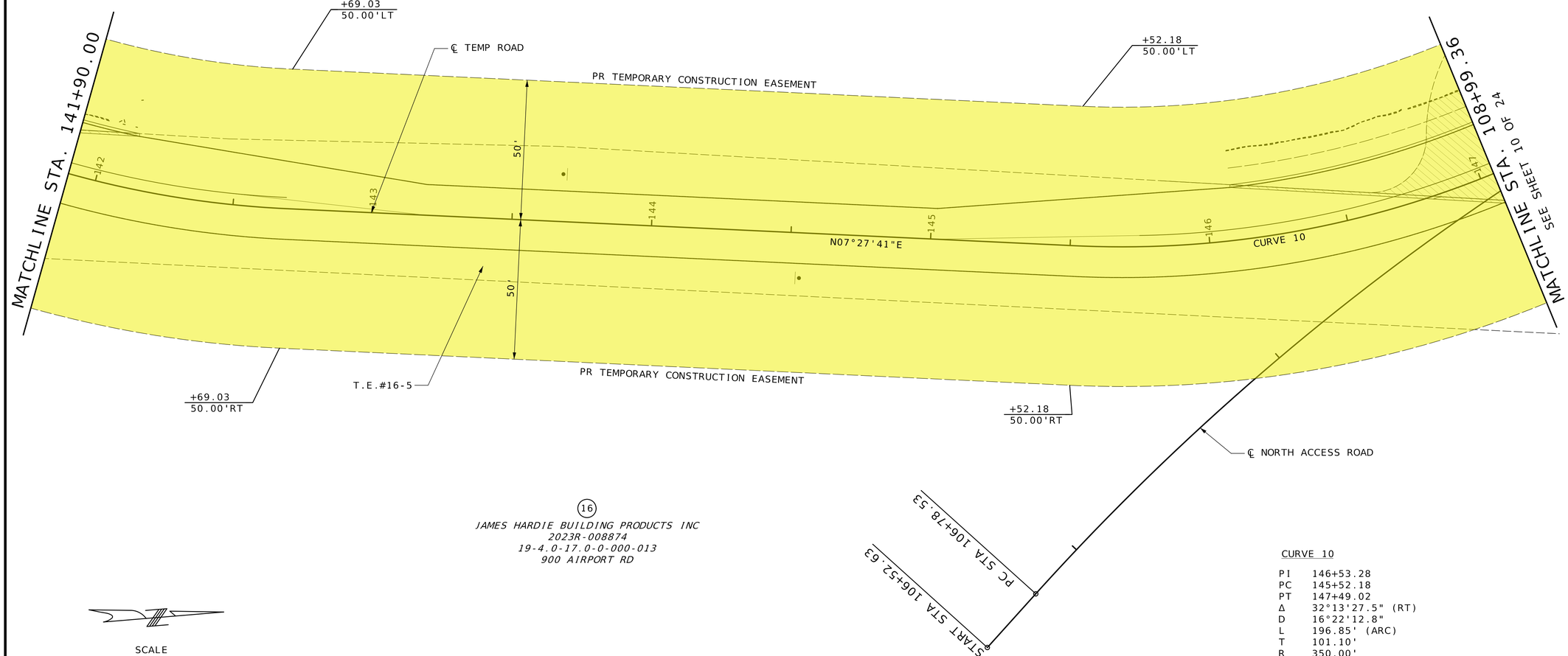
RIGHT-OF-WAY SHEET
SHEET 15 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

LEGEND:

- EX. ROW
- NEW ROW
- PR PERMANENT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- PR PRESCRIPTIVE EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(16)
JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD



(16)
JAMES HARDIE BUILDING PRODUCTS INC
2023R-008874
19-4.0-17.0-0-000-013
900 AIRPORT RD

CURVE 10

PI	146+53.28
PC	145+52.18
PT	147+49.02
Δ	32°13'27.5" (RT)
D	16°22'12.8"
L	196.85' (ARC)
T	101.10'
R	350.00'

SCALE
0 20 40 60

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	131

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

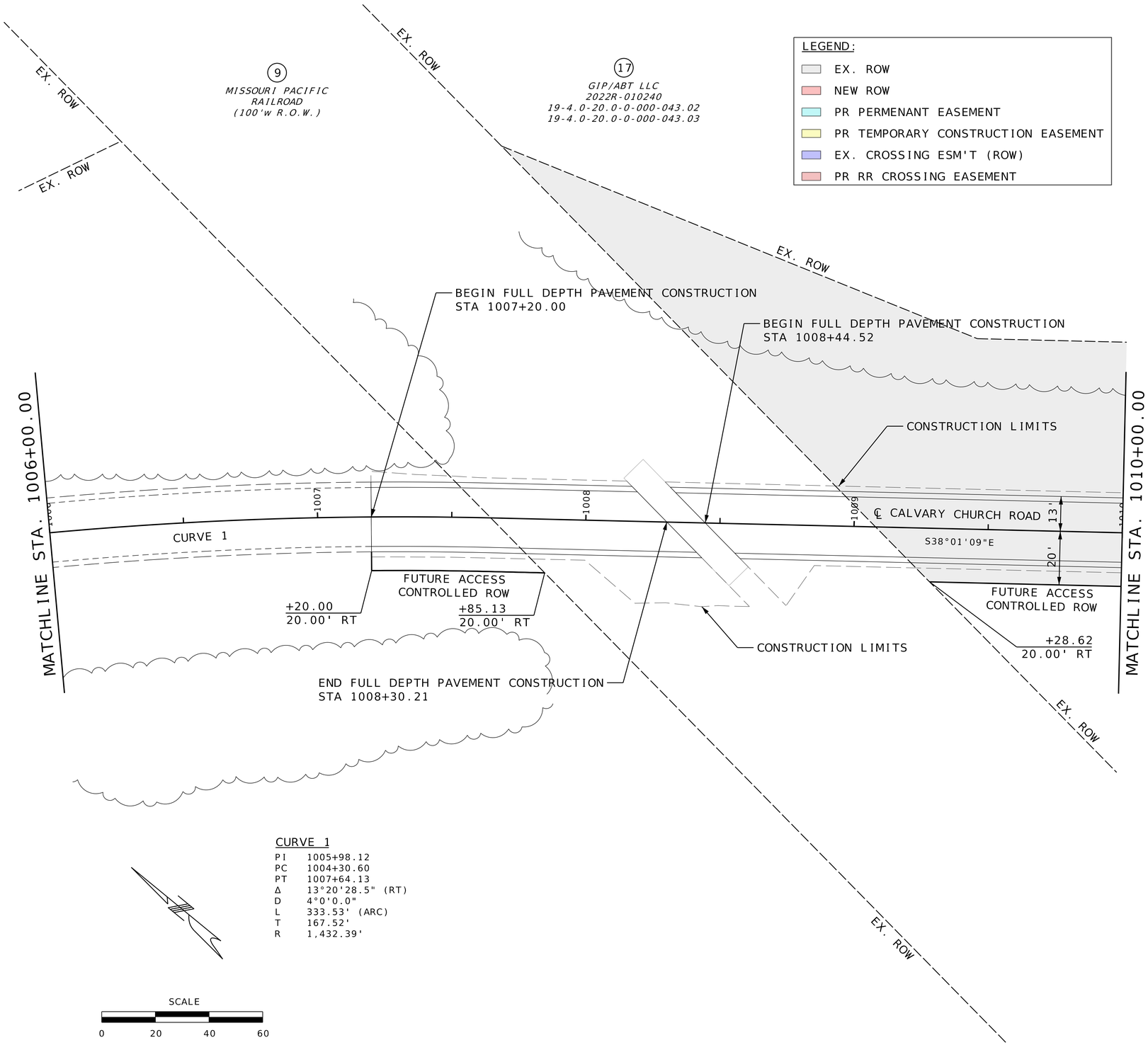
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 16 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	132

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 17 OF 22

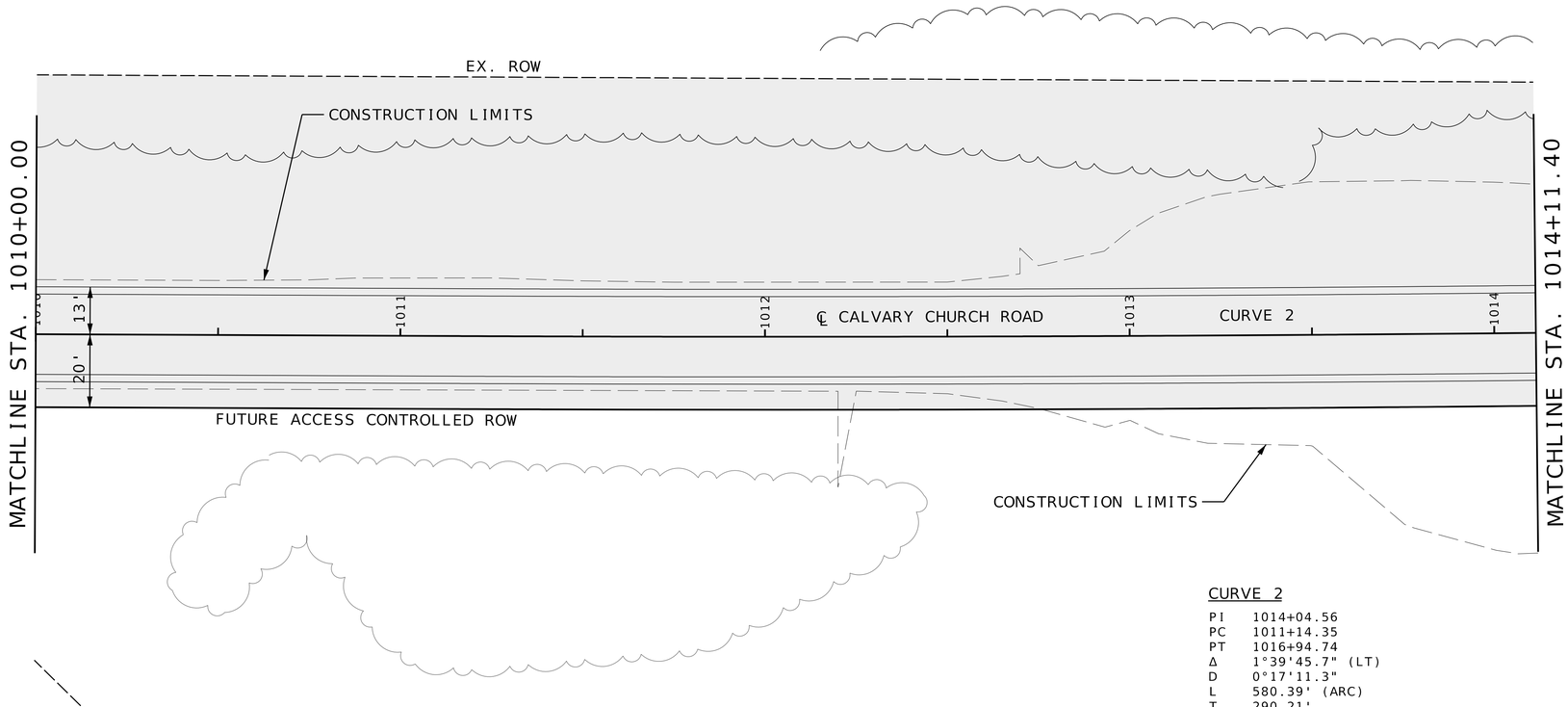
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

LEGEND:

- EX. ROW
- NEW ROW
- PR PERMENANT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(17)

GIP/ABT LLC
2022R-010240
19-4.0-20.0-0-000-043.02
19-4.0-20.0-0-000-043.03



CURVE 2

PI	1014+04.56
PC	1011+14.35
PT	1016+94.74
Δ	1°39'45.7" (LT)
D	0°17'11.3"
L	580.39' (ARC)
T	290.21'
R	20,000.00'

SCALE

0 20 40 60

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER

10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 133

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 18 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

MATCHLINE STA. 12+00.00

MATCHLINE STA. 1014+11.40

17
GIP/ABT LLC
2022R-010240
19-4.0-20.0-0-000-043.02
19-4.0-20.0-0-000-043.03

28
JAMES ALMANY
2021R-038156
19-4.0-20.0-0-000-043.01

LEGEND:
- EX. ROW
- NEW ROW
- PR PERMENANT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

P.E. #17-2
T.E. #17-2
+20.60 25.00' LT
+99.69 40.00' LT
+05.95 55.00' LT
+76.23 29.44' LT
+44.62 44.43' LT
+98.94 CCR 29.66' LT
+68.17 CCR 55.00' LT
+74.34 CCR 40.00' LT
+56.26 CCR 25.00' LT
+46.36 68.16' LT
+46.93 55.00' LT
+47.57 40.00' LT
+48.22 25.00' LT
CONSTRUCTION LIMITS
EX. ROW
PR TEMP ESM'T
PR PERM ESM'T
NEW ROW
CURVE 2
℄ CALVARY CHURCH ROAD
FUTURE ACCESS CONTROLLED ROW
+50.15 20.00' RT
+50.22 21.76' RT
CONSTRUCTION LIMITS
15' 15' 25' 25'
PR TEMP ESM'T
PR PERM ESM'T
NEW ROW
℄ SOUTH ACCESS ROAD
N50°19'05"E
NEW ROW
P.E. #17-1
+05.60 25.00' RT
+63.48 29.21' RT
+40.39 40.15' RT
+34.92 47.07' RT
NEW ROW #17-1
EX. ROW
S39°40'55"E
END CONSTRUCTION
STA 1018+22.95 CALVARY CHURCH ROAD
BEGIN CONSTRUCTION
STA 477+36.41 CASTLE ACRES ROAD
+22.95 20.00' RT
℄ CALVARY CHURCH ROAD STA 1017+75.00
℄ SOUTH ACCESS ROAD STA 10+00.00
1015 1016 1017 1018 1019

CURVE 2
PI 1014+04.56
PC 1011+14.35
PT 1016+94.74
Δ 1°39'45.7" (LT)
D 0°17'11.3"
L 580.39' (ARC)
T 290.21'
R 20,000.00'

SCALE
0 20 40 60

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 134
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2454 63102
ENGINEERING CORPORATION - 000631
©Crawford, Murphy & Tilly, Inc.

RIGHT-OF-WAY SHEET
SHEET 19 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\04_ROW_592200_SAR.dgn 3:03:08 PM 10/16/2024

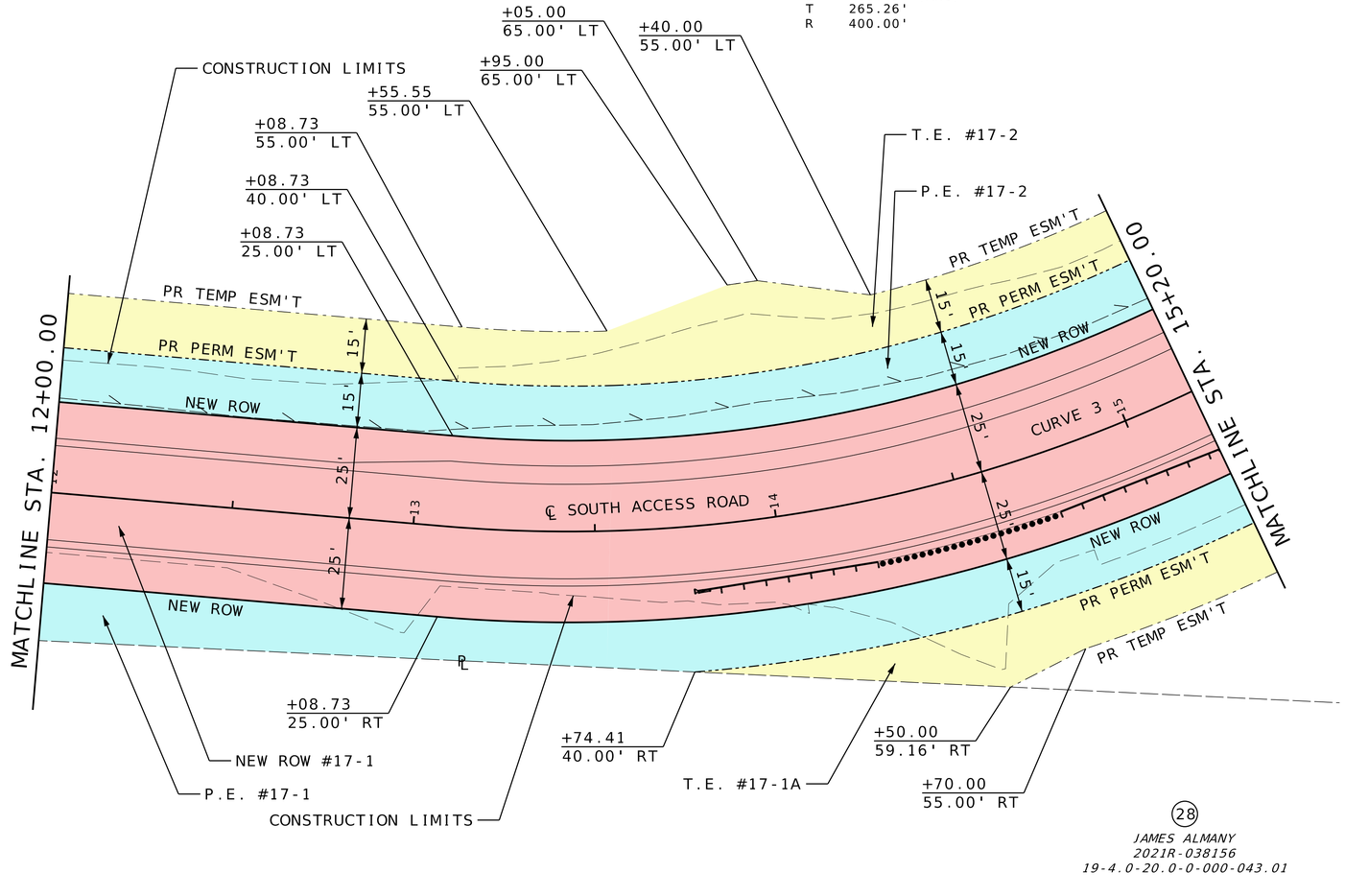
LEGEND:

- EX. ROW
- NEW ROW
- PR PERMENANT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(17)
GIP/ABT LLC
2022R-010240
19-4.0-20.0-0-000-043.02
19-4.0-20.0-0-000-043.03

CURVE 3

PI	15+73.99
PC	13+08.73
PT	17+77.18
Δ	67°6'2.5" (LT)
D	14°19'26.2"
L	468.45' (ARC)
T	265.26'
R	400.00'



(28)
JAMES ALMANY
2021R-038156
19-4.0-20.0-0-000-043.01

SCALE
0 20 40 60

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

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 135

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2454 314.436.3500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 20 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

LEGEND:

- EX. ROW
- NEW ROW
- PR PERMENANT EASEMENT
- PR TEMPORARY CONSTRUCTION EASEMENT
- EX. CROSSING ESM'T (ROW)
- PR RR CROSSING EASEMENT

(17)
GIP/ABT LLC
2022R-010240
19-4.0-20.0-0-000-043.02
19-4.0-20.0-0-000-043.03

CURVE 3

PI	15+73.99
PC	13+08.73
PT	17+77.18
Δ	67°6'2.5" (LT)
D	14°19'26.2"
L	468.45' (ARC)
T	265.26'
R	400.00'

CURVE 4

PI	20+46.59
PC	18+46.56
PT	21+99.40
Δ	67°23'13.5" (LT)
D	19°5'54.9"
L	352.84' (ARC)
T	200.03'
R	300.00'

MATCHLINE STA. 15+20.00

MATCHLINE STA. 20+40.00

CONSTRUCTION LIMITS

PR TEMP ESM'T

PR PERM ESM'T

NEW ROW

P.E. #17-2

T.E. #17-2

P.E. #17-1

T.E. #17-1A

NEW ROW #17-1

PR. RIPRAP

℄ SOUTH ACCESS ROAD

N16°46'58"W

CURVE 3

CURVE 4

+77.18 55.00' LT
+77.18 40.00' LT
+77.18 25.00' LT
+46.56 55.00' LT
+46.56 40.00' LT
+46.56 25.00' LT
+75.00 55.00' LT
+37.24 40.00' LT
+68.98 70.00' RT
+10.00 40.00' RT
+03.73 72.00' RT
+77.18 25.00' RT
+77.18 40.00' RT
+77.18 55.00' RT
+46.56 25.00' RT
+46.56 40.00' RT
+46.56 55.00' RT
+90.00 40.00' RT
+96.27 72.00' RT
+00.00 80.00' RT

SCALE
0 20 40 60

(28)
JAMES ALMANY
2021R-038156
19-4.0-20.0-0-000-043.01

(18)

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 136

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

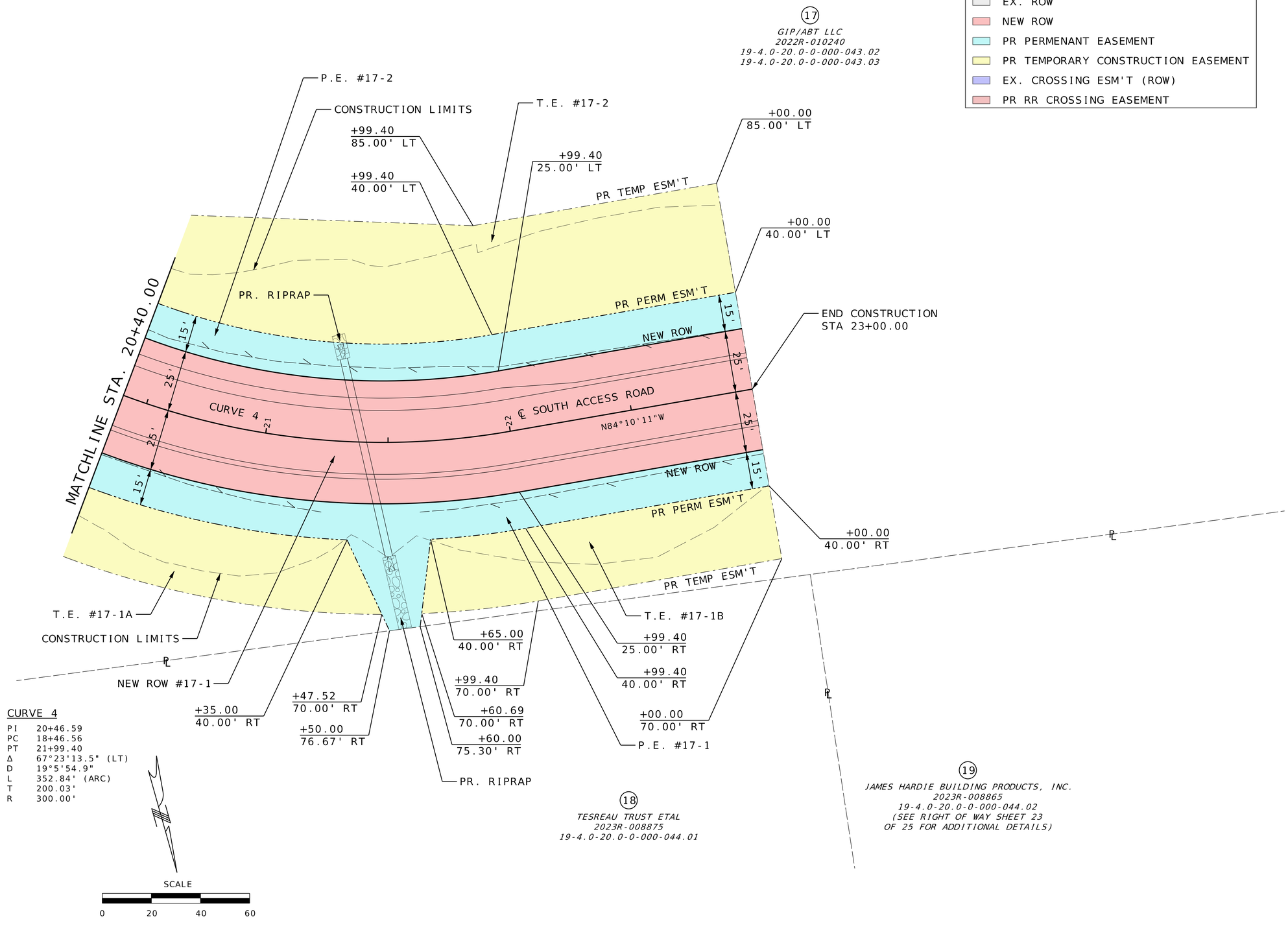
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043 314.275.5500
ENGINEERING CORPORATION - 000631

RIGHT-OF-WAY SHEET
SHEET 21 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\ROW\Sheets\04_ROW_592200_SAR.dgn 3:03:10 PM 10/16/2024



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 137

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

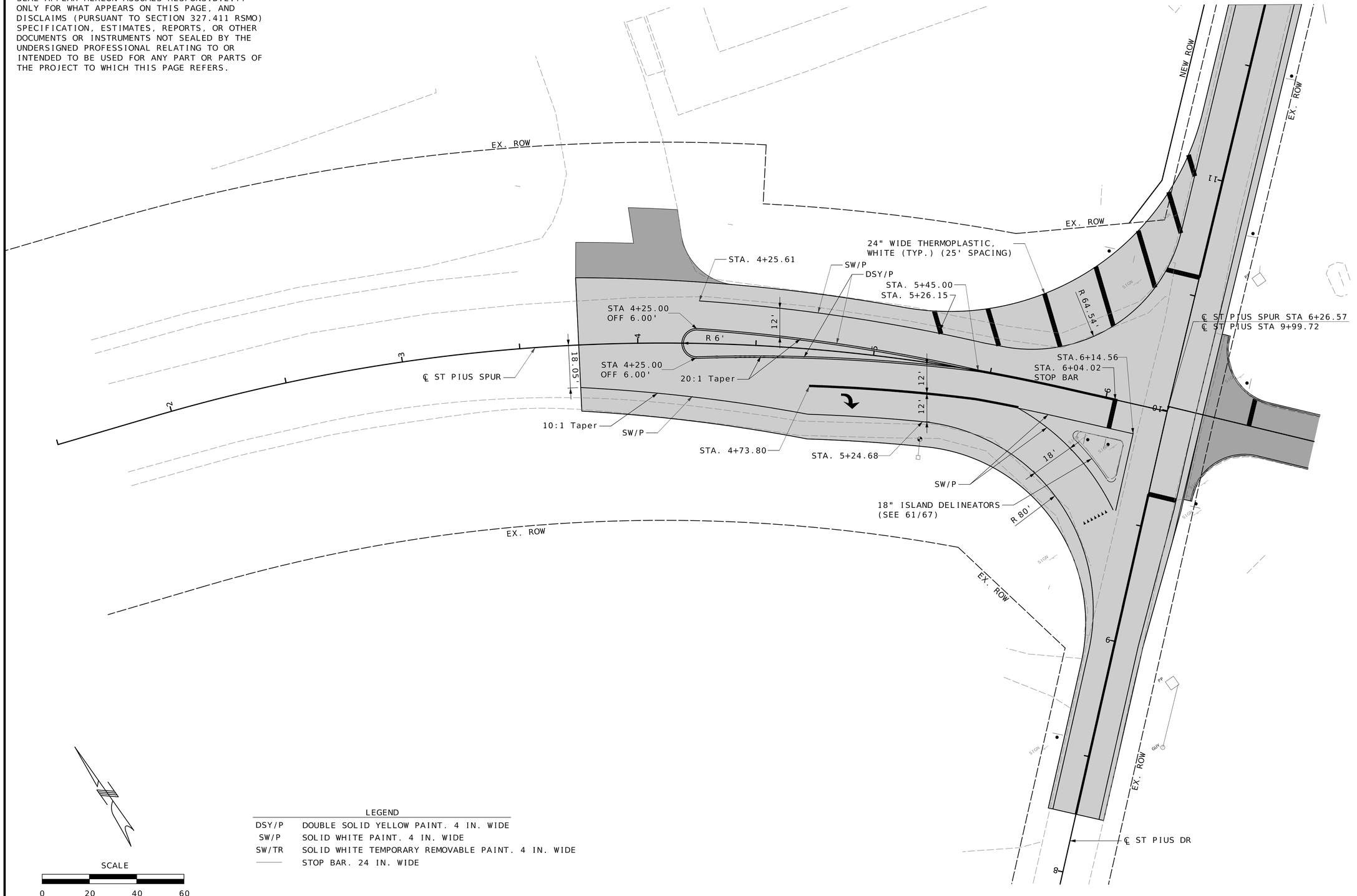
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

RIGHT-OF-WAY SHEET
SHEET 22 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SEE SHEET 2 FOR INTERSECTION SIGNING AND ST. PIUS DR PAVEMENT MARKING

ST. PIUS SPUR

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	138

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

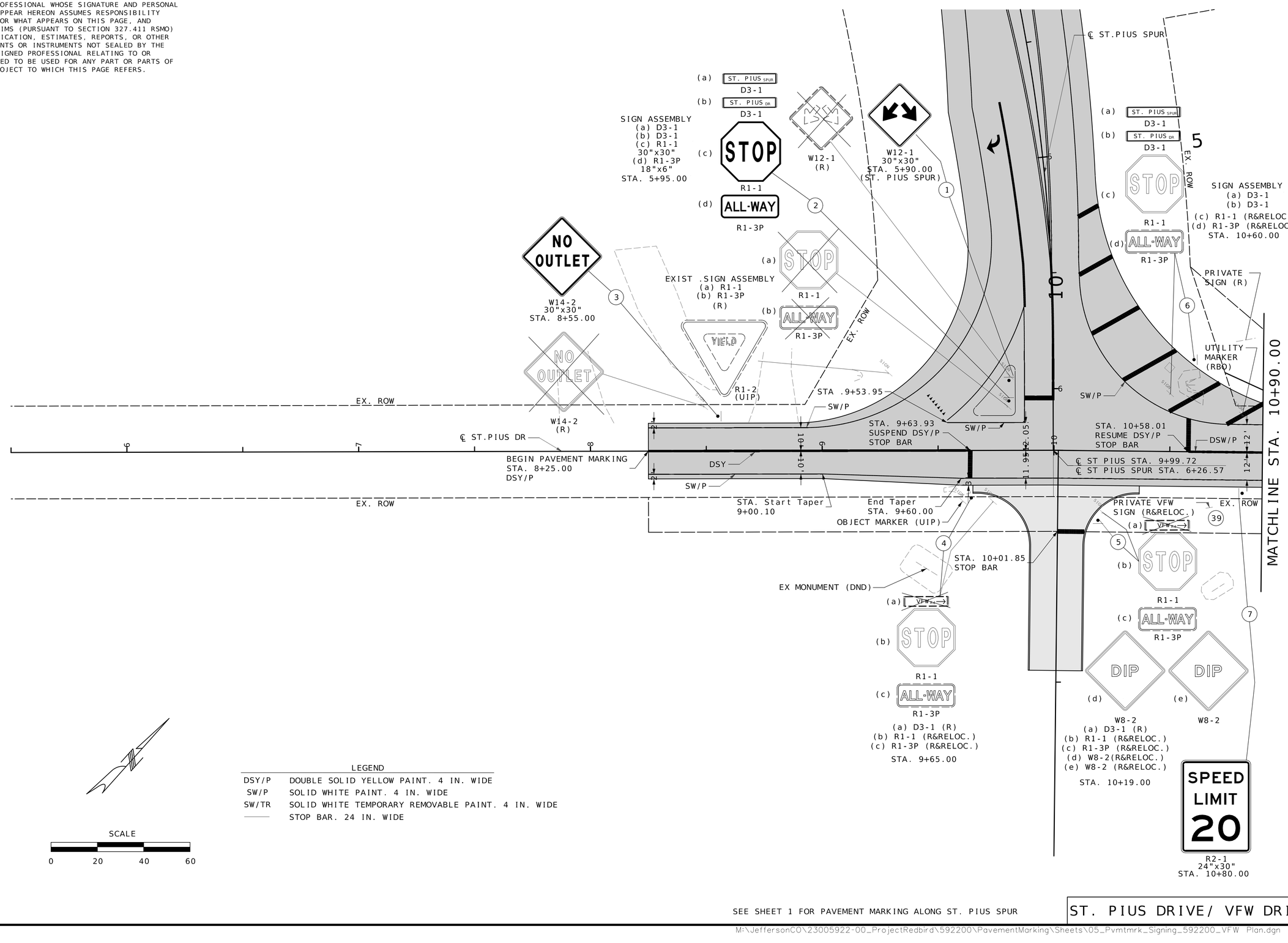
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 1 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

SEE SHEET 1 FOR PAVEMENT MARKING ALONG ST. PIUS SPUR

ST. PIUS DRIVE/ VFW DRIVE

TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 139
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

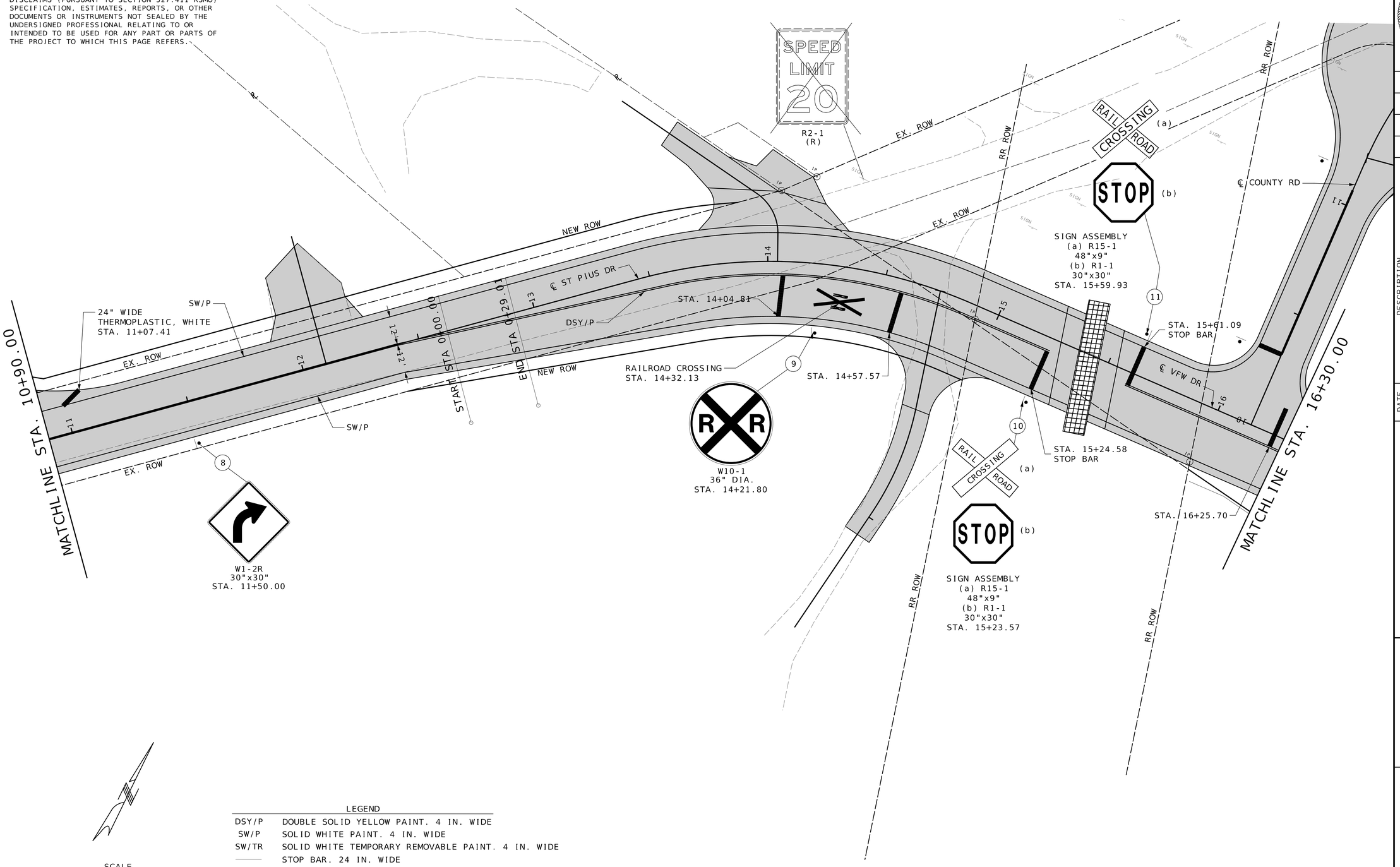
© Copyright CMT Inc

PAVEMENT MARKING & SIGNING
SHEET 2 OF 22
PROJECT REDBIRD NORTH IMPROVEMENTS (PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\PavementMarking\Sheets\05_Pvmtmrk_Signing_592200_VFW Plan.dgn 12:11:47 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

SEE SHEET 8 FOR SIGNING AND PAVEMENT MARKING ALONG COUNTY ROAD AND EXIST. VFW DRIVE.

ST. PIUS DRIVE/ VFW DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	140

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

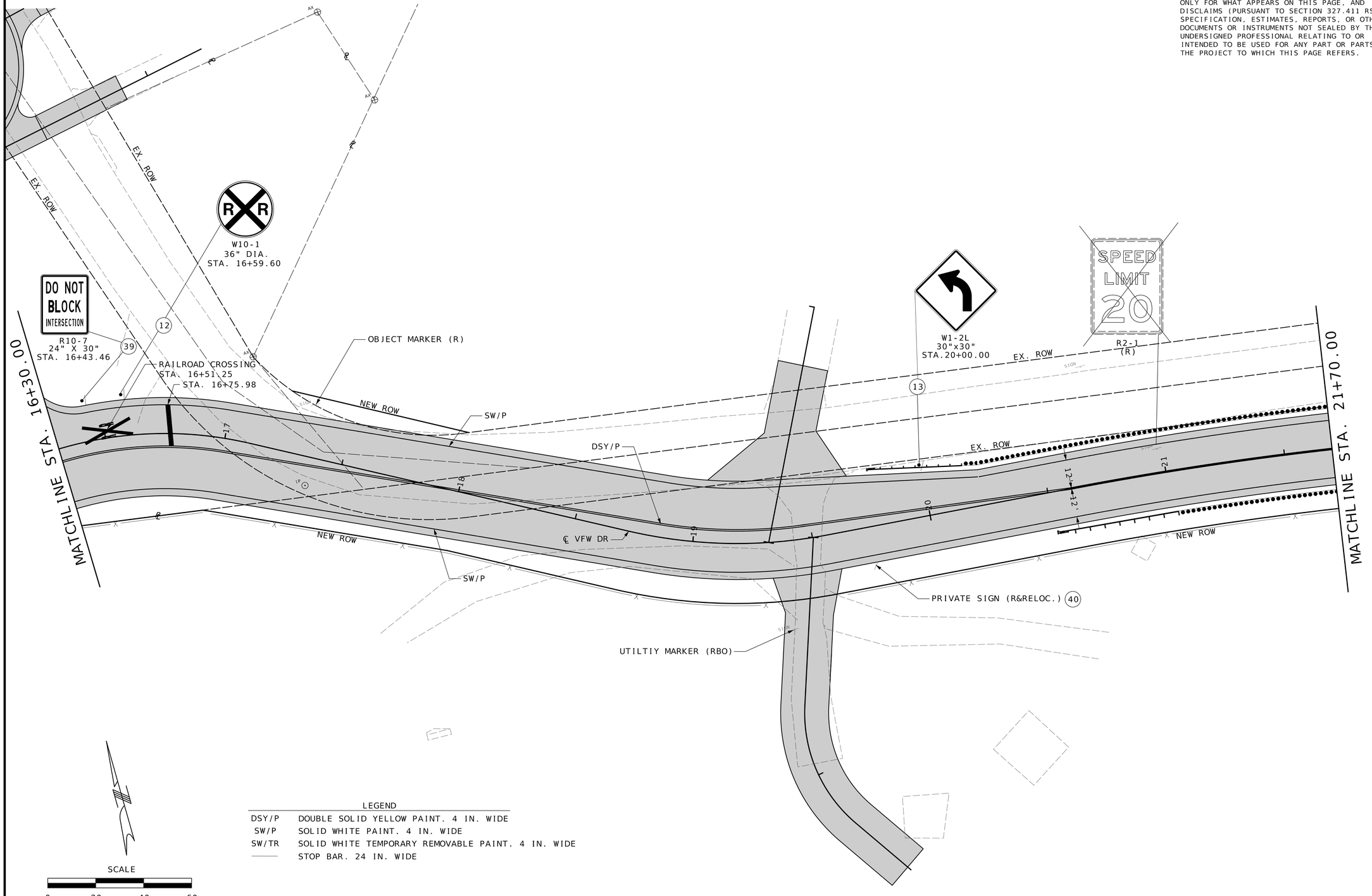
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 314-436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 3 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

ST. PIUS DRIVE/ VFW DRIVE

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	141

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

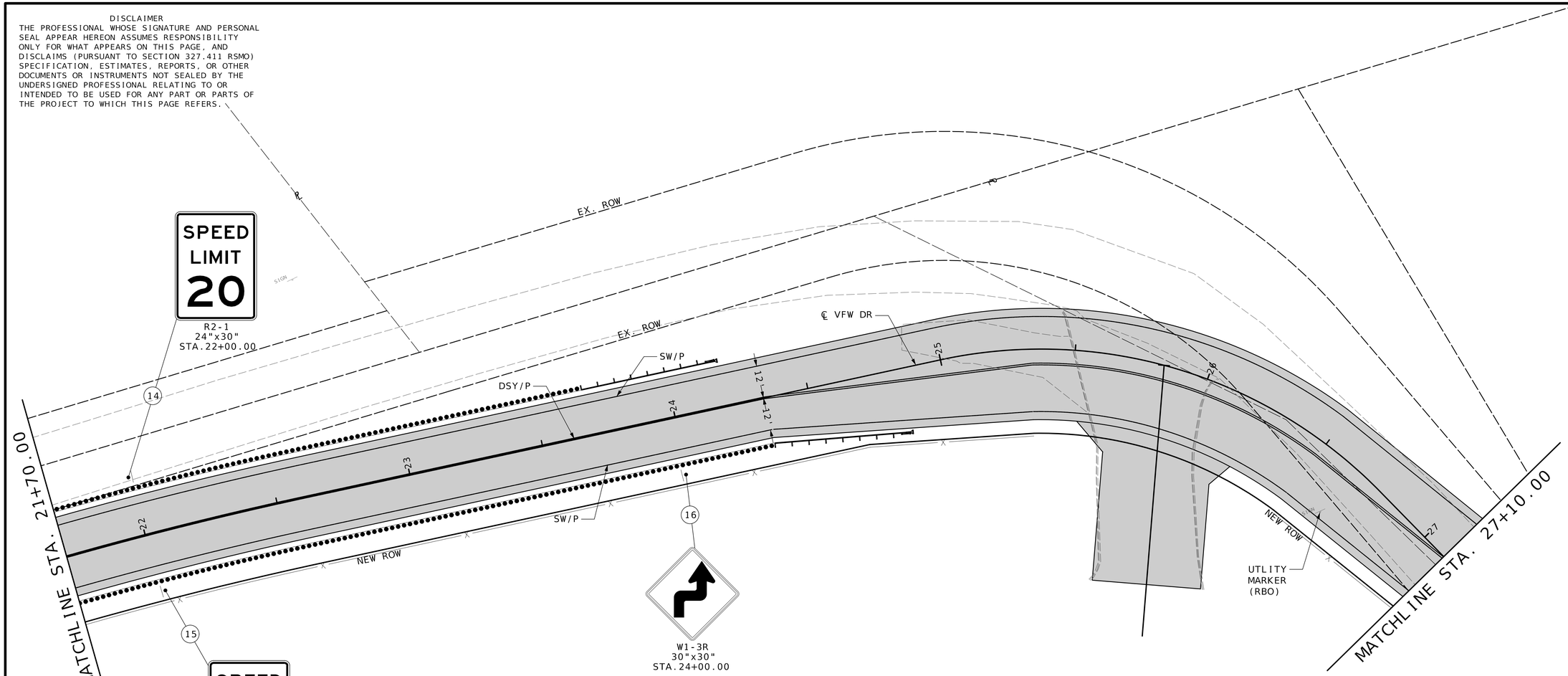
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63043 314.655.3500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 4 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

ST. PIUS DRIVE/ VFW DRIVE

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	142

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

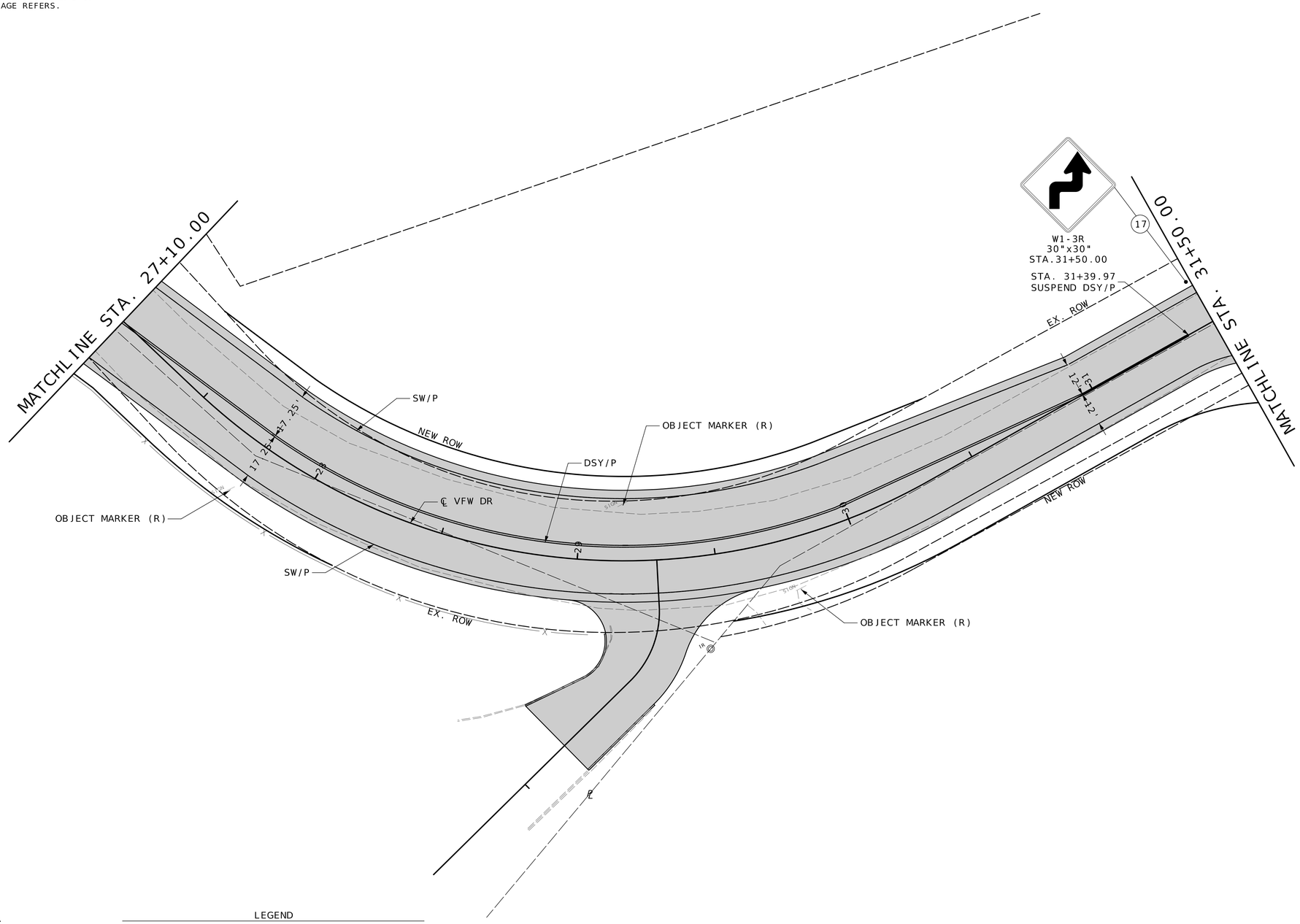
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102 314.436.1500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 5 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

ST. PIUS DRIVE/ VFW DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	143

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT Inc
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 6 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

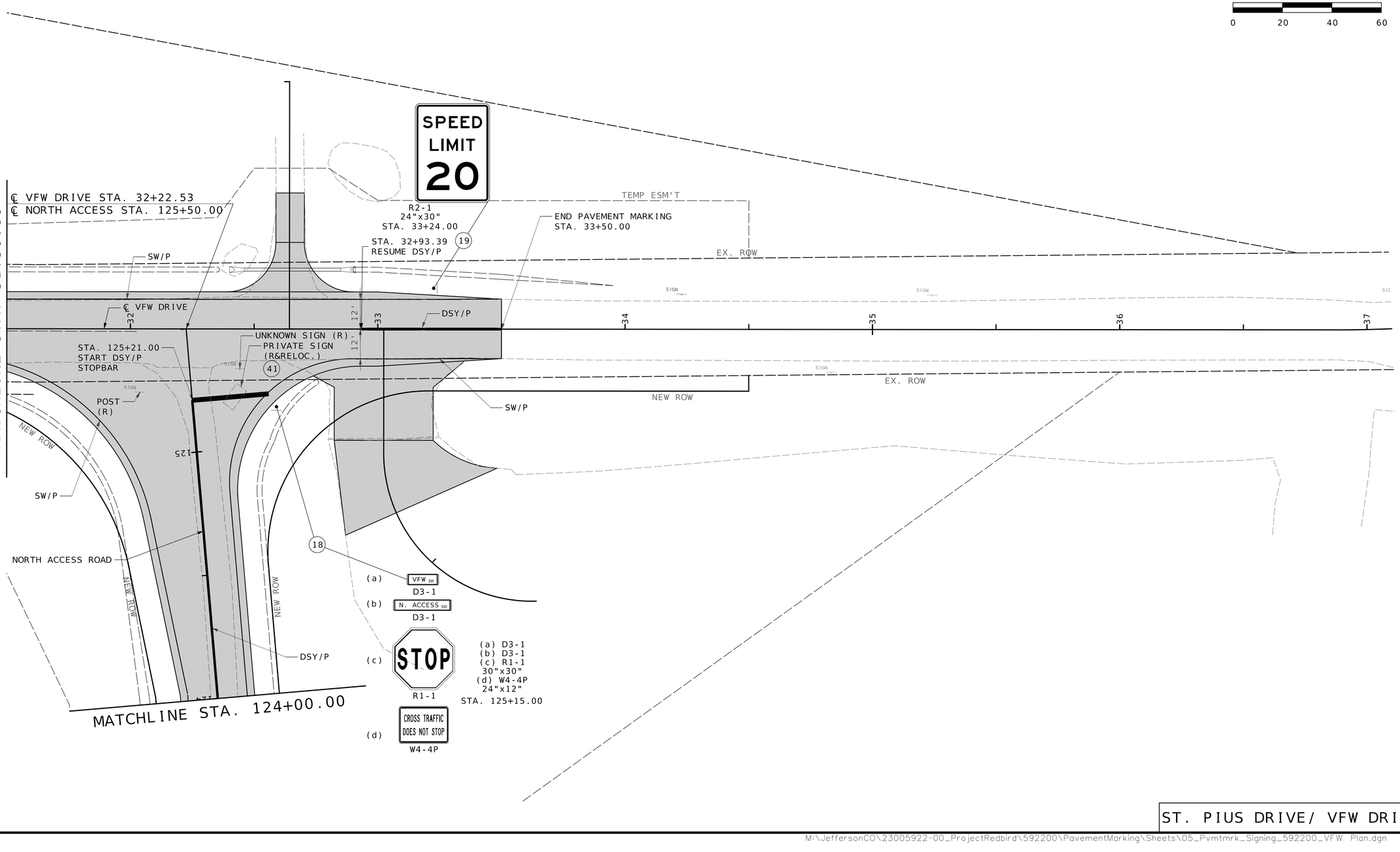
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

SCALE

0 20 40 60



ST. PIUS DRIVE/ VFW DRIVE

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 144

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

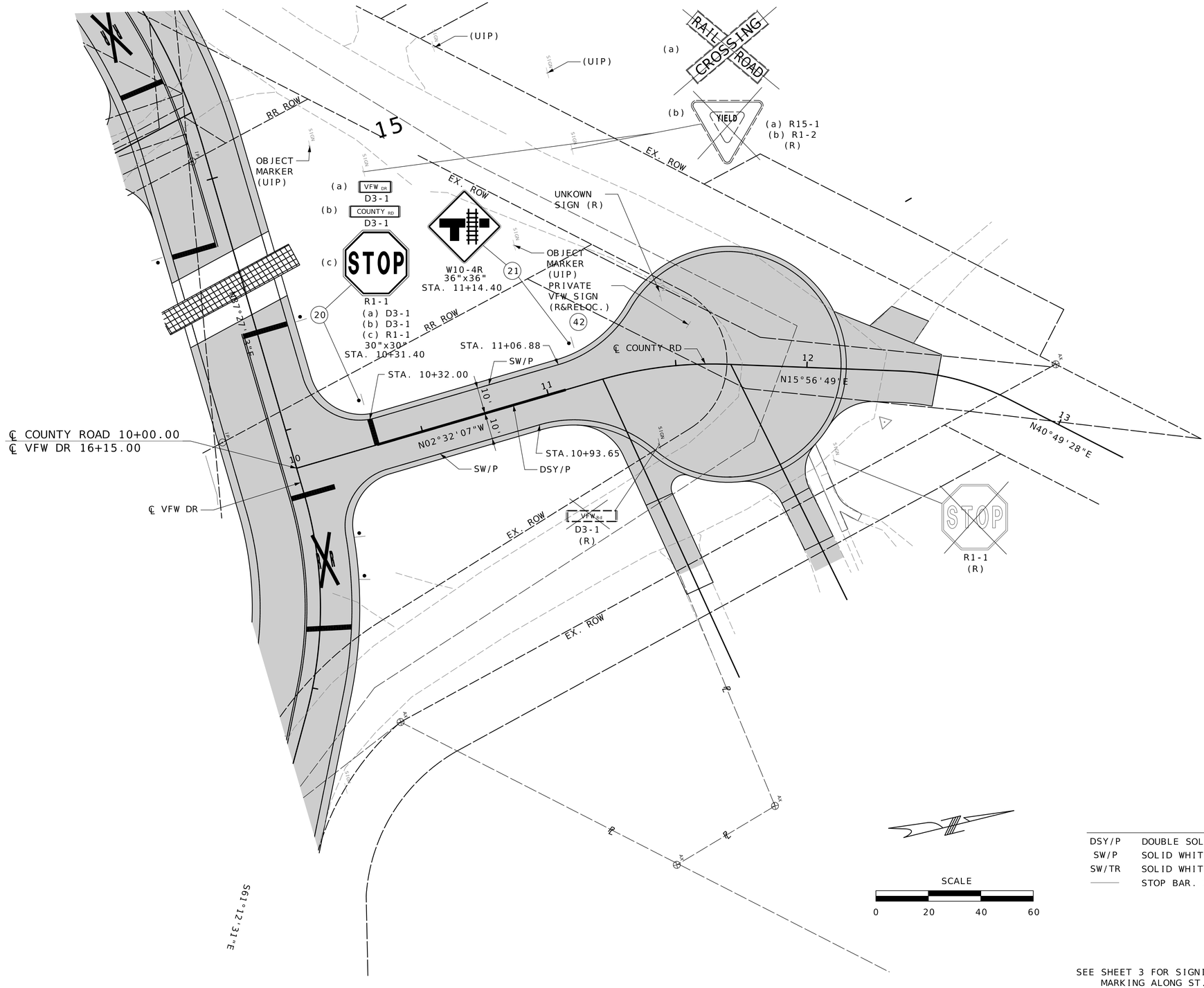
CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63043 314.655.3500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING

SHEET 7 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SEE SHEET 3 FOR SIGNING AND PAVEMENT MARKING ALONG ST. PIUS DRIVE

COUNTY ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN
NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	145

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

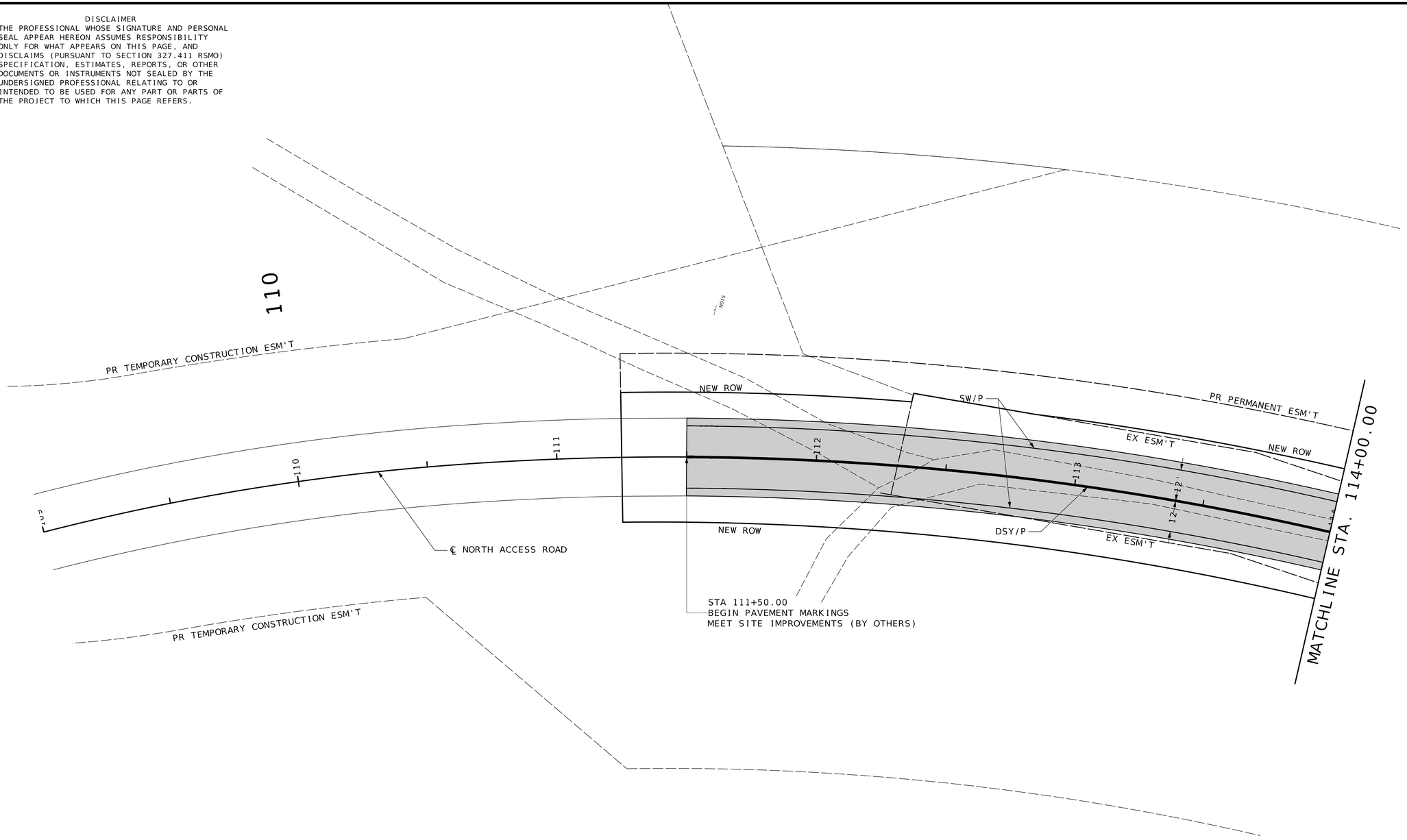
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-1504
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

PAVEMENT MARKING & SIGNING
SHEET 8 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

NORTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 146

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

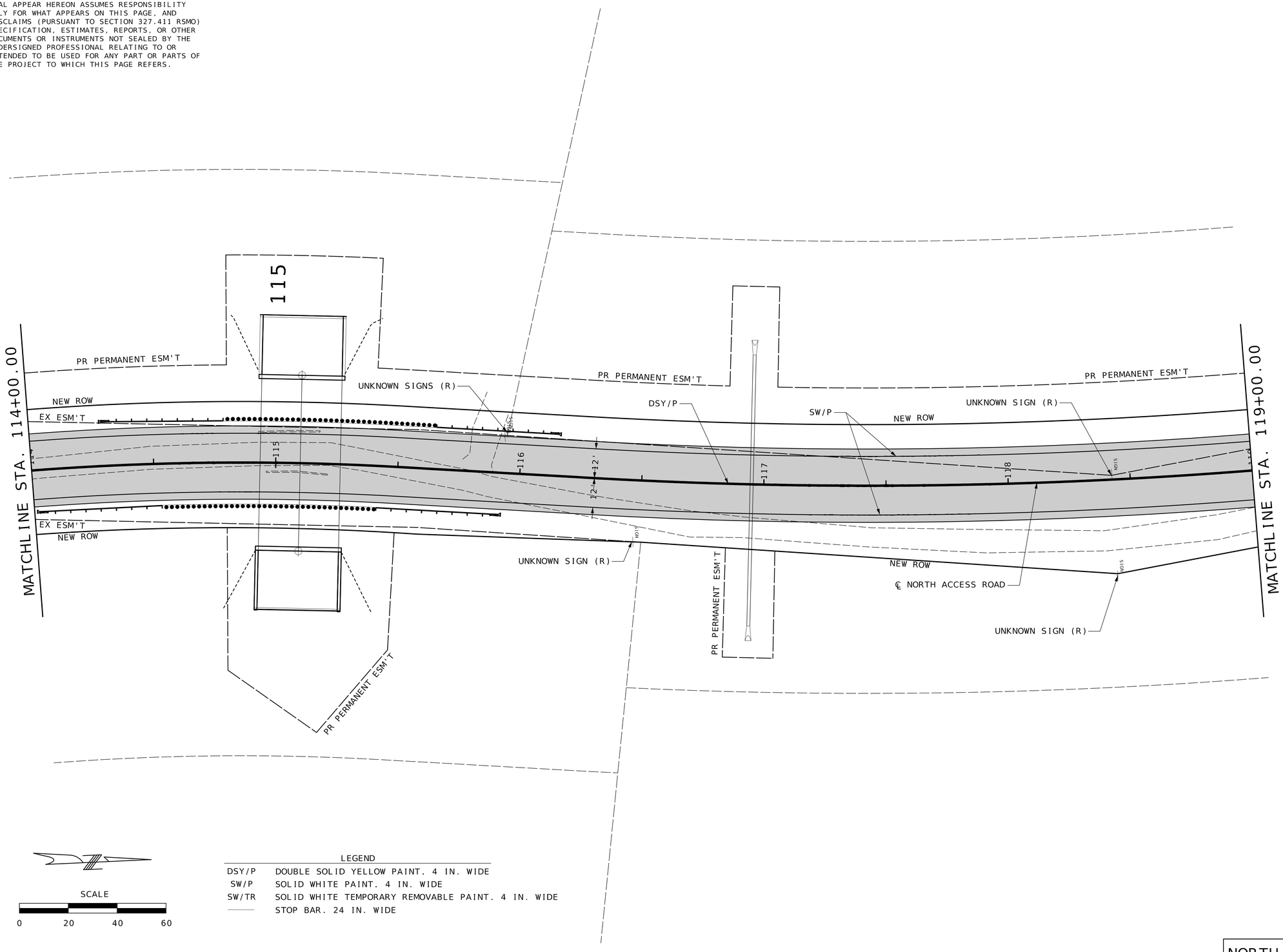
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

PAVEMENT MARKING & SIGNING
SHEET 9 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

NORTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	147

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

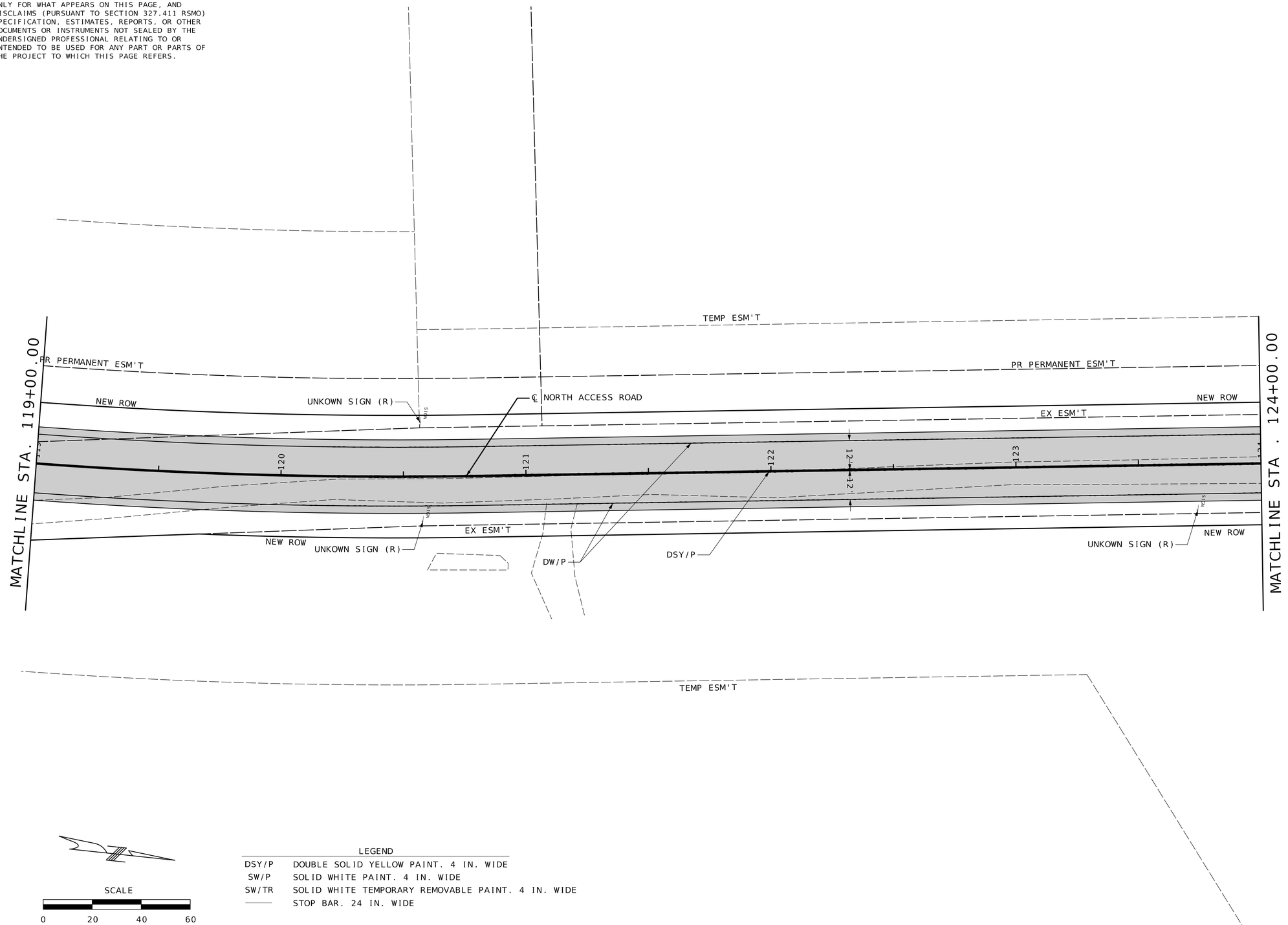
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2454
ENGINEERING CORPORATION - 000631

© Copyright CMT Inc

PAVEMENT MARKING & SIGNING
SHEET 10 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	148

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

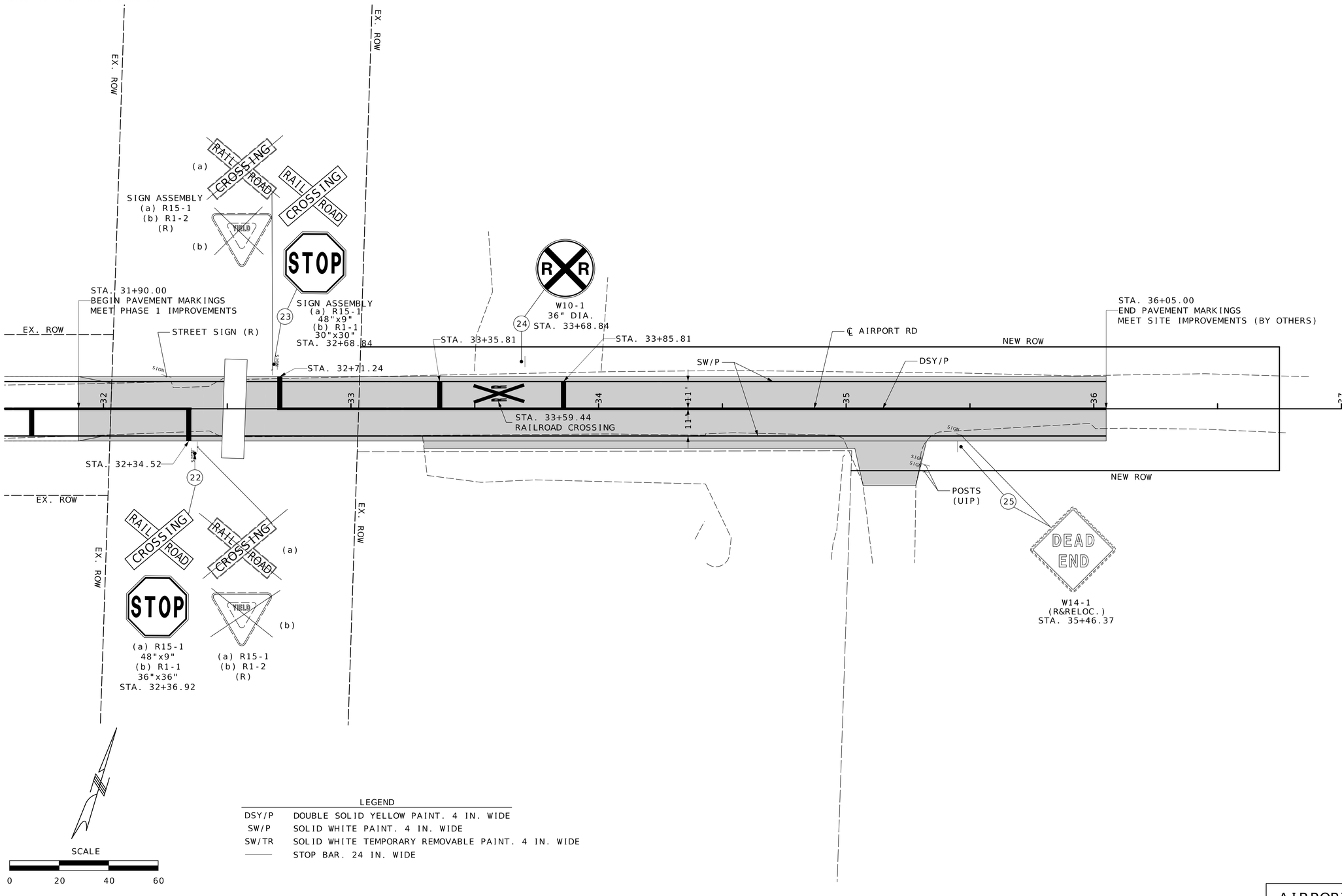
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 11 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

AIRPORT ROAD

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	149

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

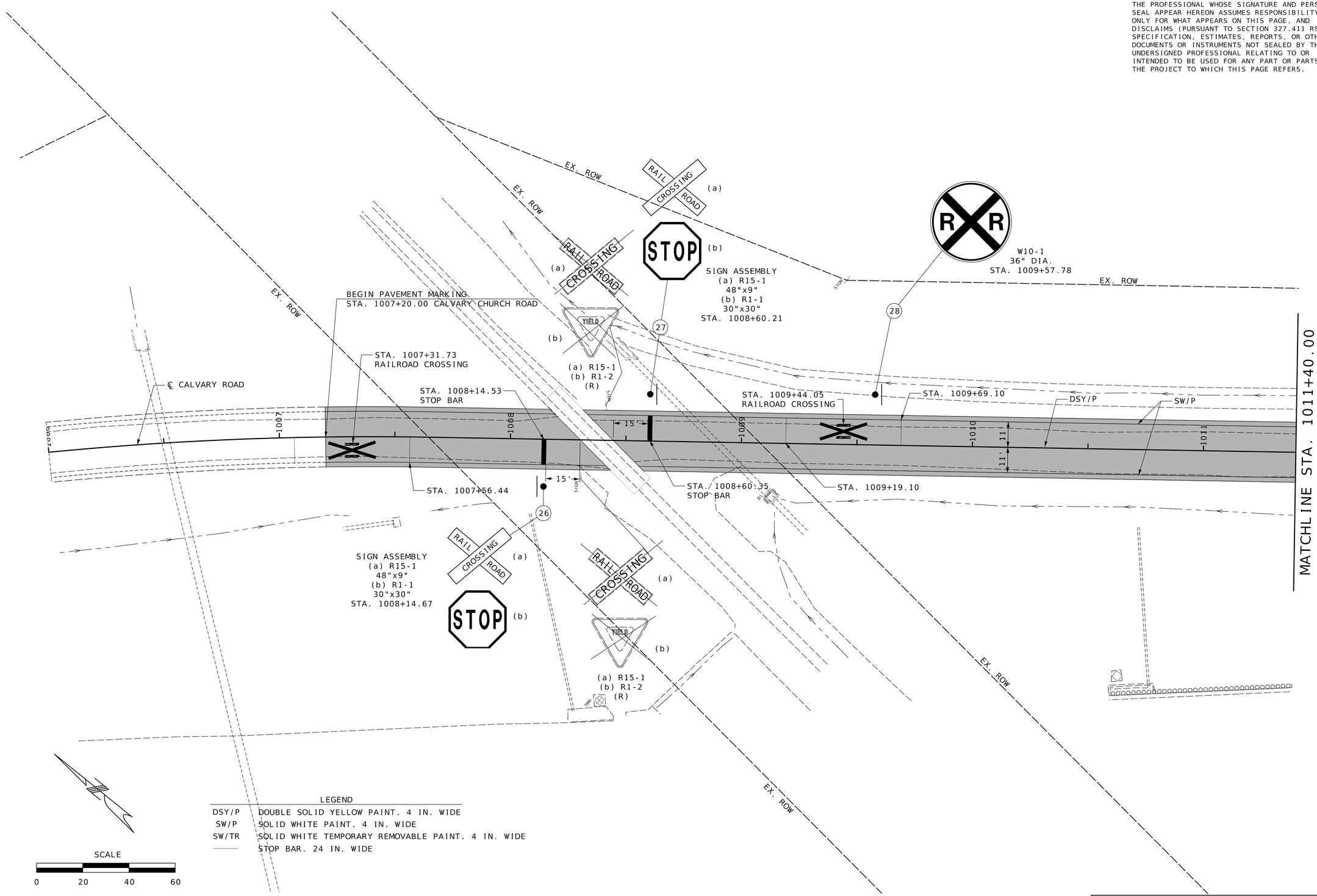
CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

PAVEMENT MARKING & SIGNING
SHEET 12 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND	
DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

CALVARY CHURCH ROAD

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	150

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

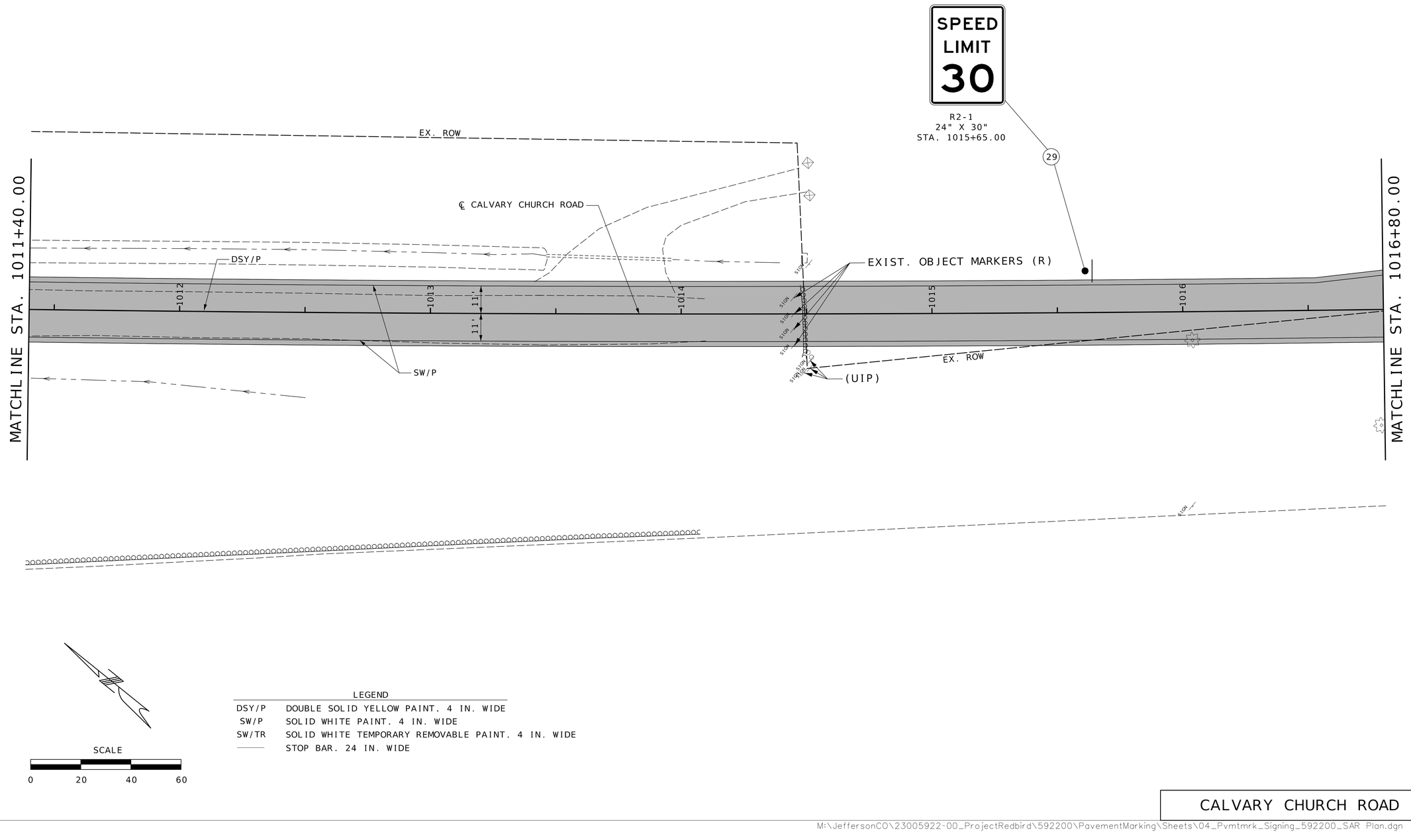
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 13 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

CALVARY CHURCH ROAD

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 151

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

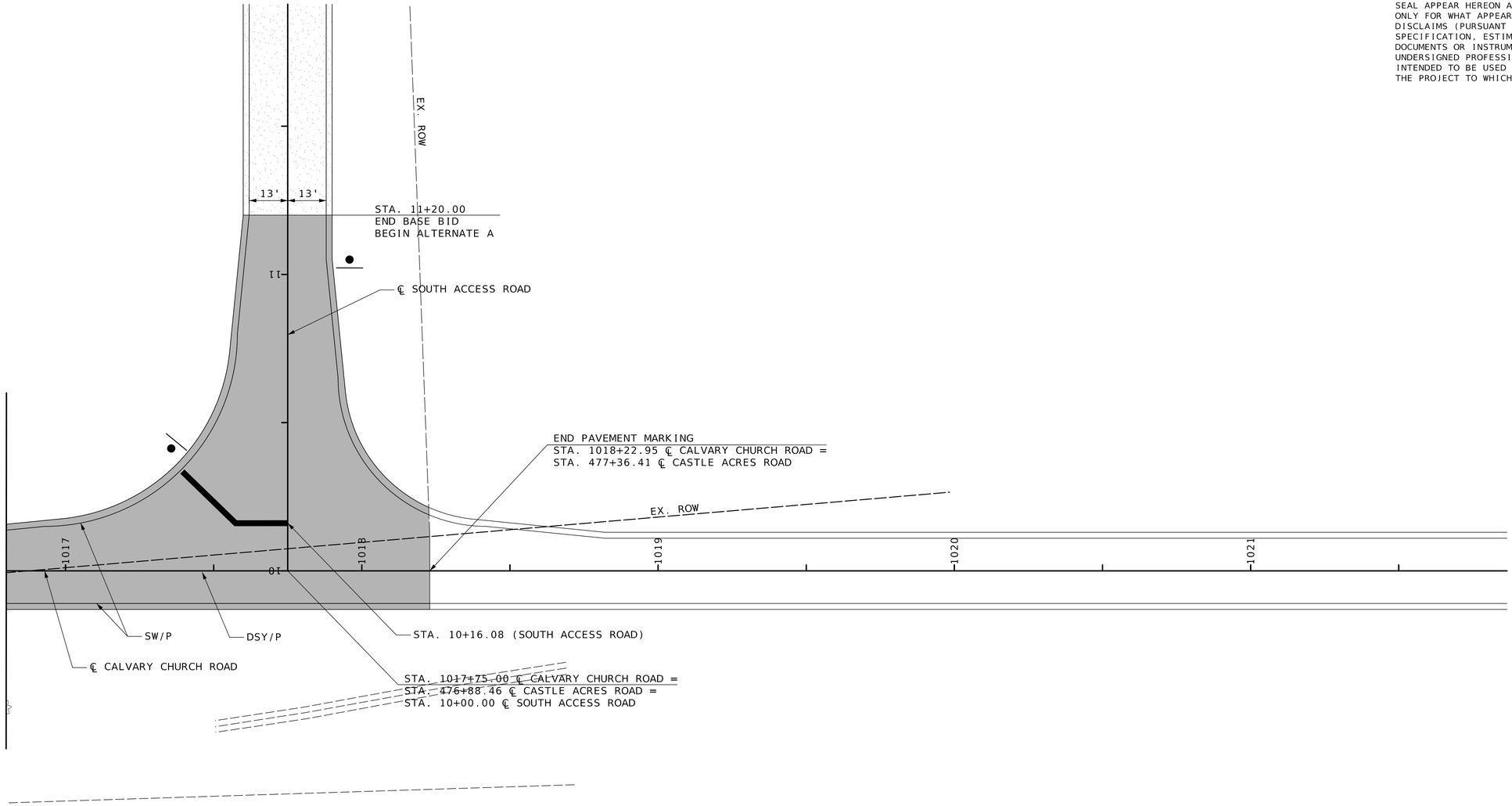
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 14 OF 22
PROJECT REDBIRD SOUTH IMPROVEMENTS (PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SEE SHEET 16 FOR PAVEMENT MARKING ALONG SOUTH ACCESS ROAD.

CALVARY CHURCH ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	152

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

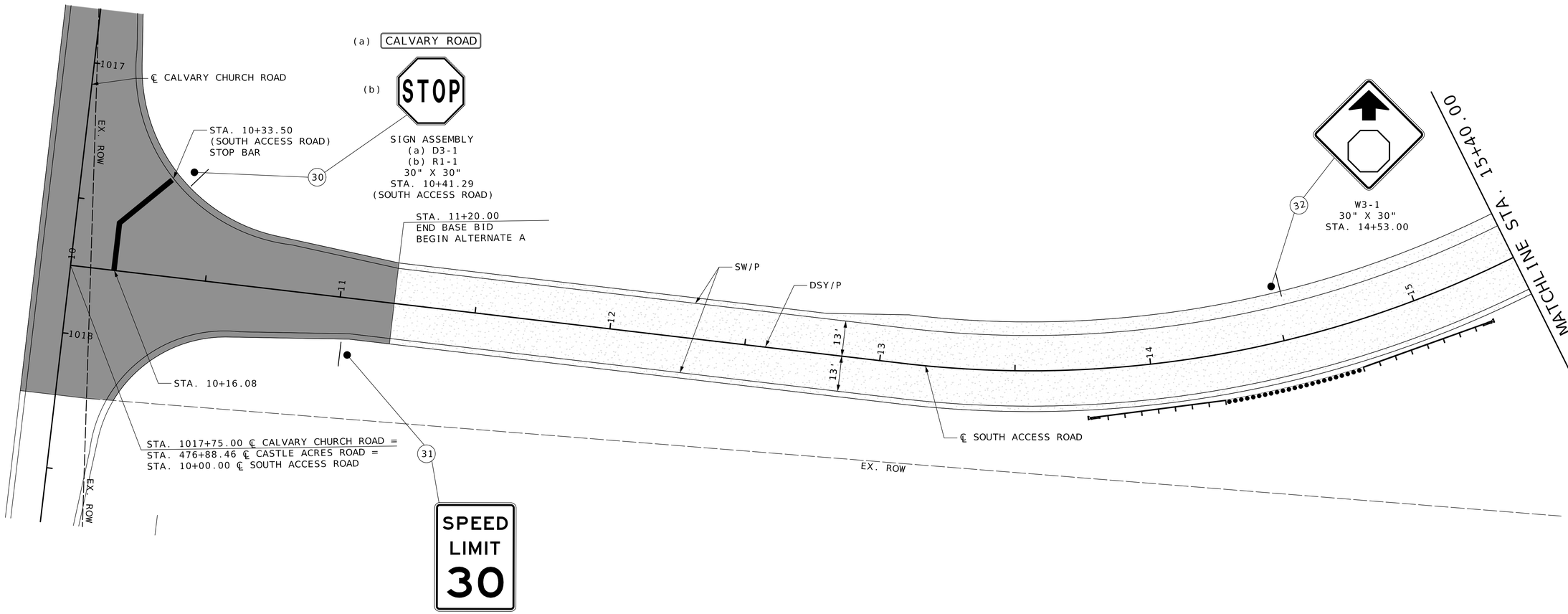
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 15 OF 22

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
———	STOP BAR. 24 IN. WIDE

SEE SHEET 15 FOR PAVEMENT MARKING ALONG CALVARY CHURCH ROAD.

SOUTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	153

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT Inc
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 16 OF 22

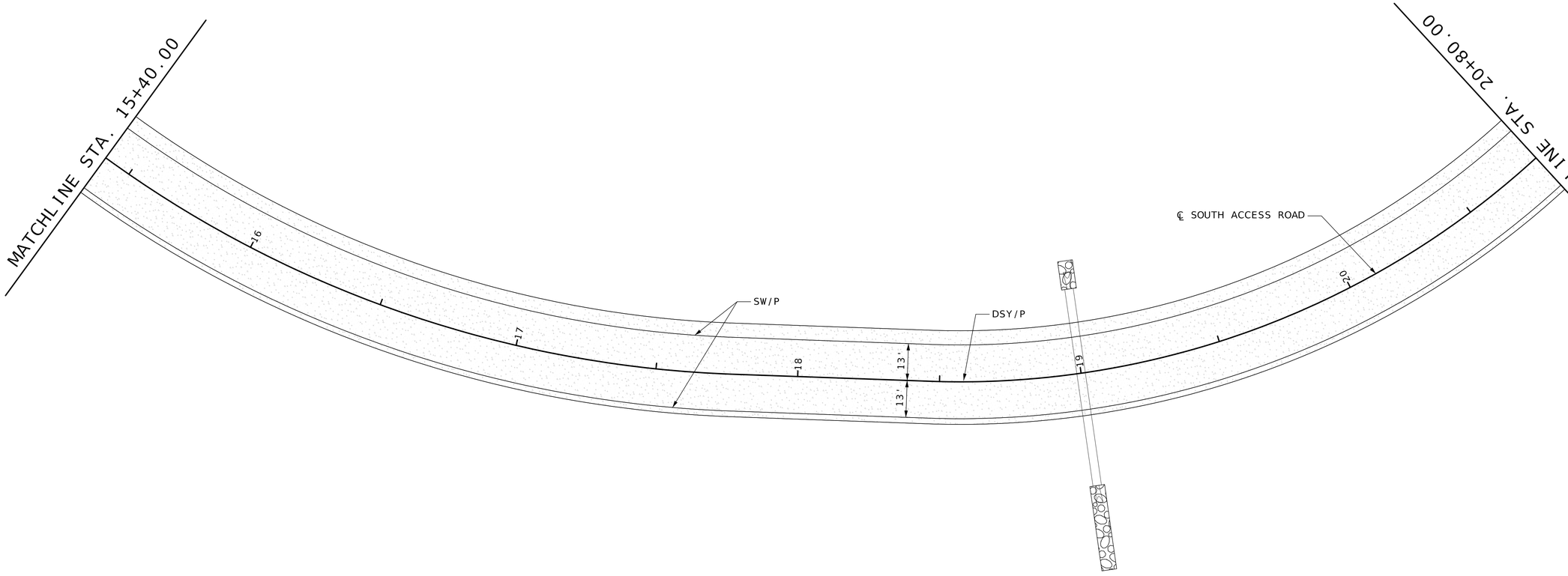
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

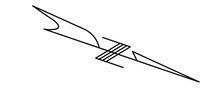
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\PavementMarking\Sheets\04_Pvmtmrk_Signing_592200_SAR Plan.dgn 12:12:31 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





SCALE

0 20 40 60

LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

SOUTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	154

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

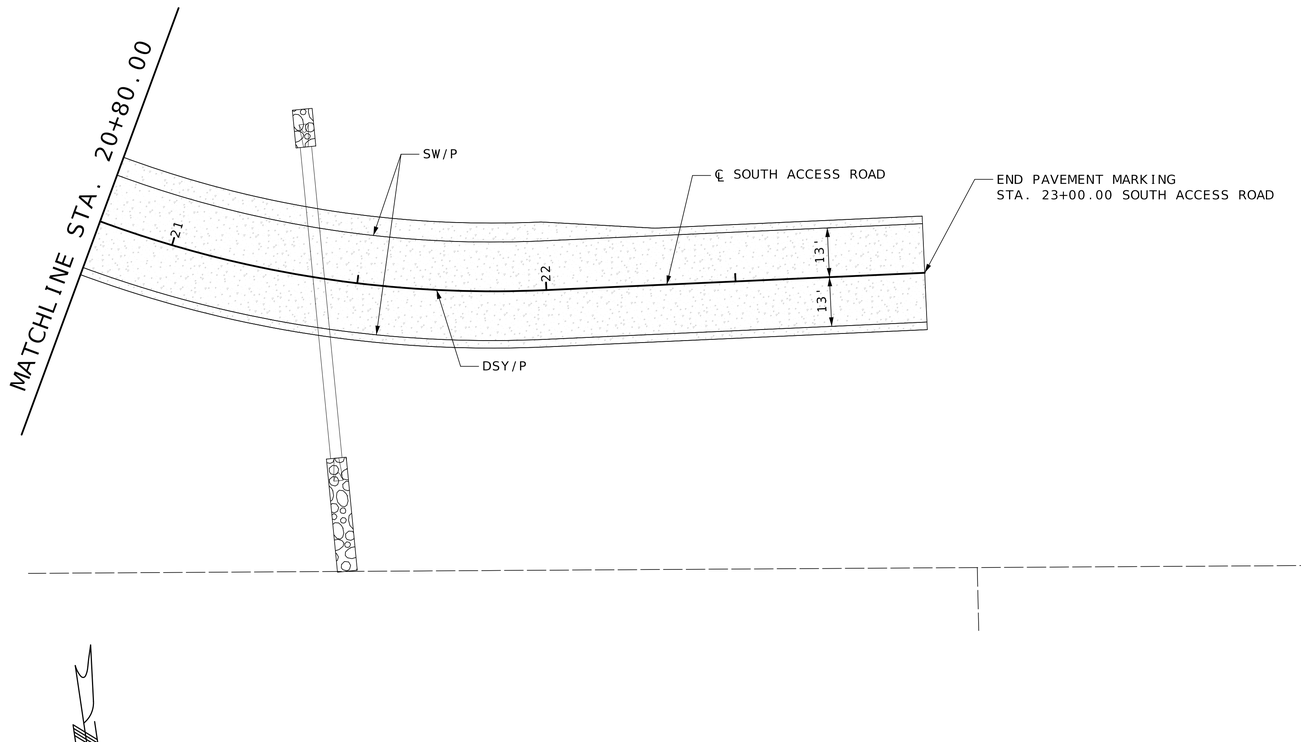
CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2454
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING

SHEET 17 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

DSY/P	DOUBLE SOLID YELLOW PAINT. 4 IN. WIDE
SW/P	SOLID WHITE PAINT. 4 IN. WIDE
SW/TR	SOLID WHITE TEMPORARY REMOVABLE PAINT. 4 IN. WIDE
	STOP BAR. 24 IN. WIDE

SCALE
0 20 40 60

SOUTH ACCESS ROAD

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	155

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

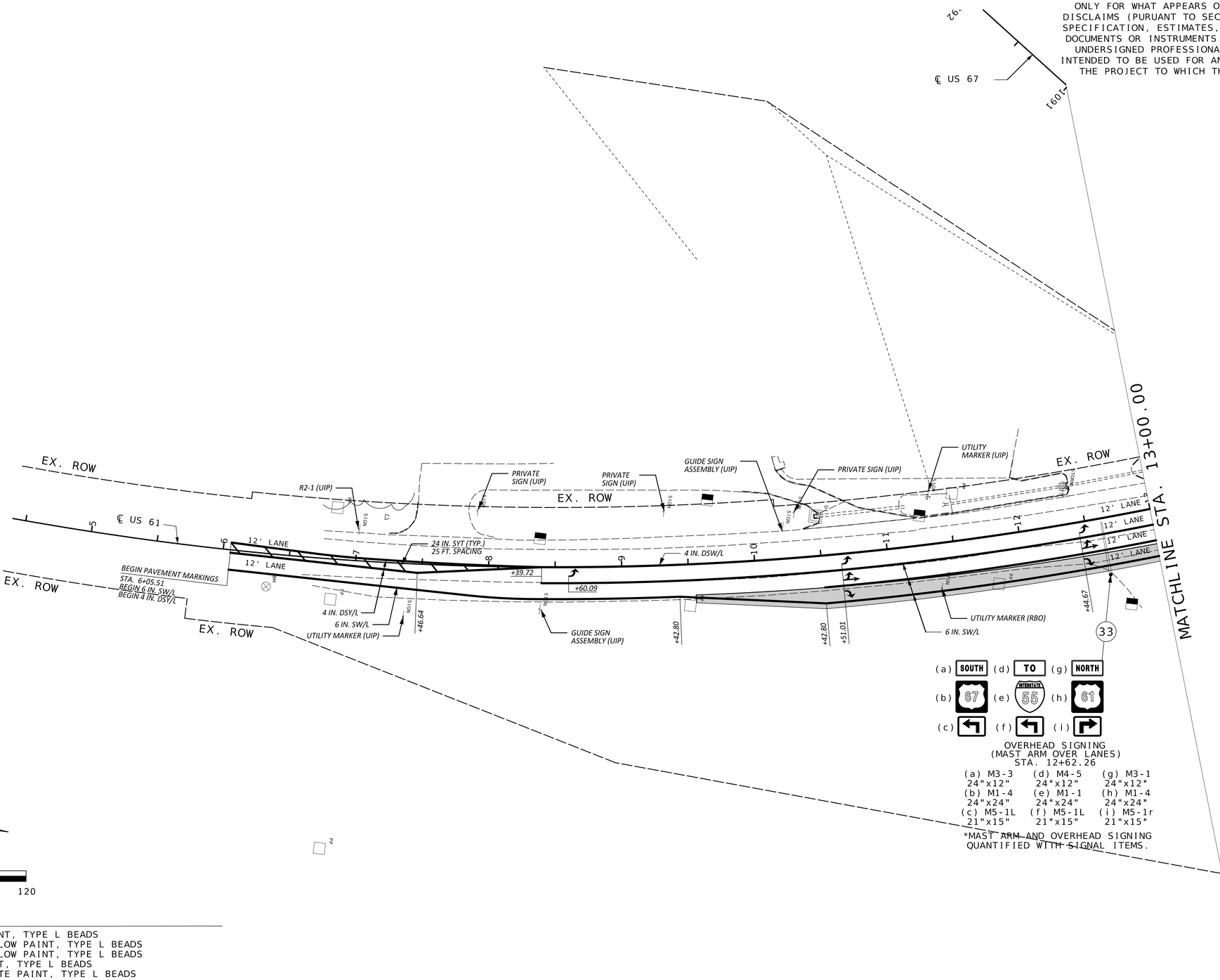
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 18 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\PavementMarking\Sheets\04_Pvmtmrk_Signing_592200_SAR Plan.dgn 1:28:58 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



OVERHEAD SIGNING
(MAST ARM OVER LANES)
STA. 12+62.26

(a) M3-3 24"x12"	(d) M4-5 24"x12"	(g) M3-1 24"x12"
(b) M1-4 24"x24"	(e) M1-1 24"x24"	(h) M1-4 24"x24"
(c) M5-1L 21"x15"	(f) M5-1L 21"x15"	(i) M5-1r 21"x15"

*MAST ARM AND OVERHEAD SIGNING QUANTIFIED WITH SIGNAL ITEMS.

SCALE
0 40 80 120

LEGEND

SY/L	SOLID YELLOW PAINT, TYPE L BEADS
IY/L	INTERMITTENT YELLOW PAINT, TYPE L BEADS
DSY/L	DOUBLE SOLID YELLOW PAINT, TYPE L BEADS
SW/L	SOLID WHITE PAINT, TYPE L BEADS
IW/L	INTERMITTENT WHITE PAINT, TYPE L BEADS
DW/L	DASHED WHITE PAINT, TYPE L BEADS (3 FT., 9 FT. GAPS)
DWT	DOTTED WHITE, THERMOPLASTIC (2 FT., 4 FT. GAPS)
SWT	24 IN. SOLID WHITE, THERMOPLASTIC
SYT	24 IN. SOLID YELLOW, THERMOPLASTIC
▬	STOP BAR. 24 IN. WIDE, THERMOPLASTIC

US 61/67 INTERSECTION

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE	SHEET NO.
MO	156

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

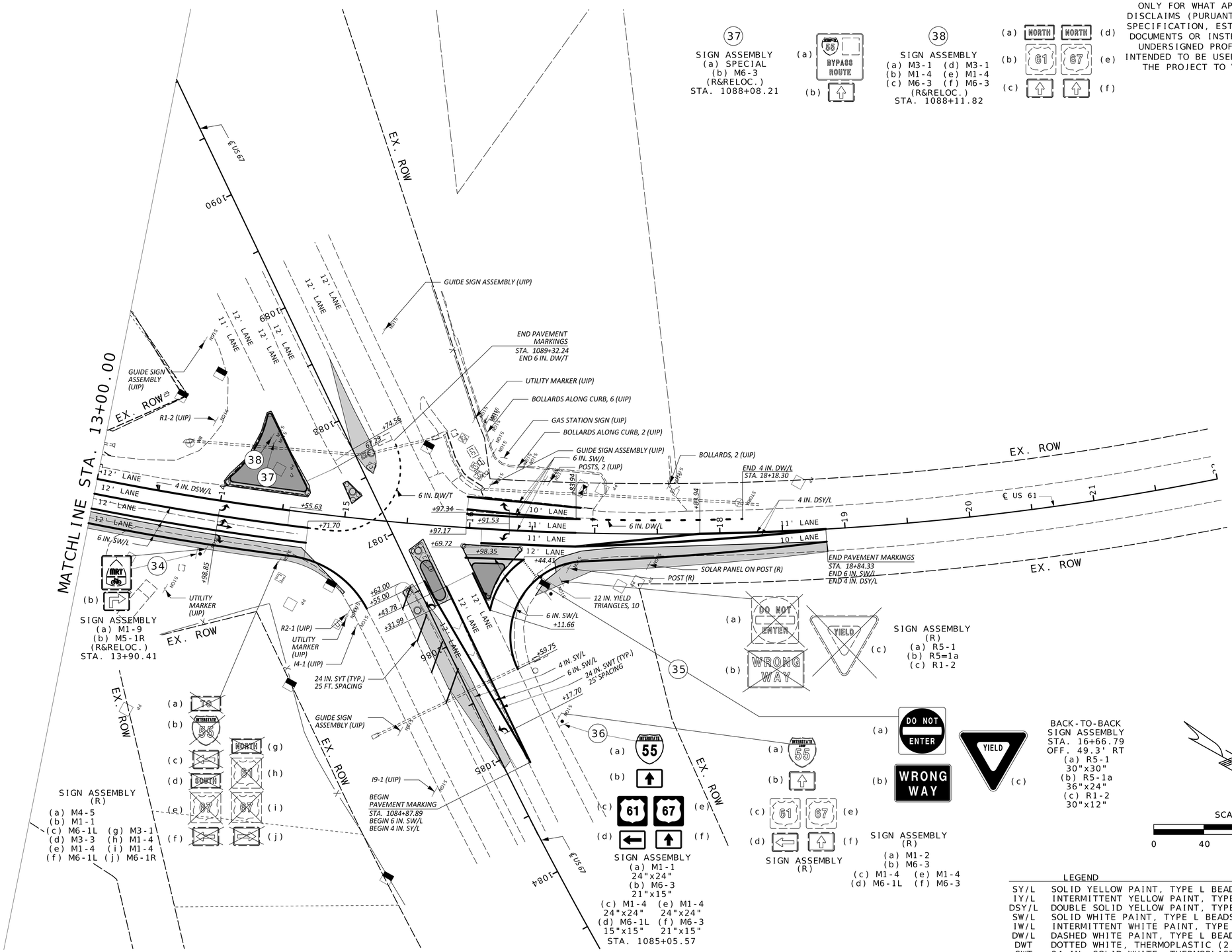
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING
SHEET 19 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

SY/L	SOLID YELLOW PAINT, TYPE L BEADS
IY/L	INTERMITTENT YELLOW PAINT, TYPE L BEADS
DSY/L	DOUBLE SOLID YELLOW PAINT, TYPE L BEADS
SW/L	SOLID WHITE PAINT, TYPE L BEADS
IW/L	INTERMITTENT WHITE PAINT, TYPE L BEADS
DW/L	DASHED WHITE PAINT, TYPE L BEADS (3 FT., 9 FT. GAPS)
DWT	DOTTED WHITE, THERMOPLASTIC (2 FT., 6 FT. GAPS)
SWT	24 IN. SOLID WHITE, THERMOPLASTIC
SYT	24 IN. SOLID YELLOW, THERMOPLASTIC
▬	STOP BAR. 24 IN. WIDE, THERMOPLASTIC

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
9/30/2024

STATE	SHEET NO.
MO	157

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING & SIGNING

SHEET 20 OF 22

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

D-29 SHEET

SIGNS (902 SIGNAL SIGNS TABULATE ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDDED	PIPE POSTS *						BACKING BARS **				PERFORATED SQUARE STEEL TUBE POST														
																		2 IN. POST							2.5 IN. POST								
																					ANCHORS						ANCHORS				
SIGN NO.	SIGN SIZE	STATION	LOC.	HORZ CLEAR IF NOT STD	ROADWAY	SIGN DTL. SHT. NO.	ITEM NO. 9031010 (CUYD)	PIPE SIZE (IN)	POST NO. 1 (LF)	POST NO. 2 (LF)	LBS PER FT	TOTAL ITEM NO. 9031220 (LBS)	BREAK-AWAY ASSEM. (EA)	2"X3/8" BARS @ 2.55 LB PER LIN FT NO. EACH	LGTH (IN)	TOTAL (LF)	TOTAL (LBS)	POST NO. 1 (LF)	POST NO. 2 (LF)	TOTAL ITEM NO. 9031270A (LF)	DRIVEN 12-GA. ITEM NO. 9031271A (EA)	DRIVEN 7-GA. ITEM NO. 9031273A (EA)	CONC. 7-GA. ITEM NO. 9031274 (EA)	CONC. FOOTING EMBED*** (CUYD)	POST NO. 1 (LF)	POST NO. 2 (LF)	TOTAL ITEM NO. 9031280 (LF)	2.25" INSERT (6 FT) ITEM NO. 9031272A (EA)	DRIVEN 7-GA. ITEM NO. 9031281A (EA)	CONC. 7-GA. ITEM NO. 9031285 (EA)	CONC. FOOTING EMBED*** (CUYD)	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 (EA)	REMARKS AND OTHER REQUIRED ITEMS.
1	30" X 30"	5+90.00	RT		ST. PIUS SPUR													12.5		12.5	1											
2	ASSEMBLY	6+05.00	RT		ST. PIUS SPUR																				13.5	13.5	27	2	2			2	
3	36" x 36"	8+55.00	LT		ST. PIUS DR																				11.5		11.5		1				
4	ASSEMBLY	9+65.00	RT		ST. PIUS DR																				12.0	12.0	24	2	2			2	
5	ASSEMBLY	10+19.00	RT		ST. PIUS DR																				12.0	12.0	24	2	2			2	
6	ASSEMBLY	10+60.00	LT		ST. PIUS DR																				13.5	13.5	27	2	2			2	
7	24" x 30"	10+80.00	RT		ST. PIUS DR																				12.5	12.5	25	2	2			2	
8	30" X 30"	11+50.00	RT		ST. PIUS DR													11.5		11.5	1											
9	36" DIA.	14+21.80	RT		ST. PIUS DR																				11.5		11.5		1				
10	ASSEMBLY	15+23.57	RT		ST. PIUS DR																				15.5	15.5	31	2	2			2	
11	ASSEMBLY	15+59.93	LT		ST. PIUS DR																				15.5	15.5	31	2	2			2	
39	ASSEMBLY	16+43.46	LT		VFW DR																				16.0	16.0	32	2	2			2	
12	36" DIA.	16+59.60	LT		VFW DR																				11.5		11.5		1				
13	30" x 30"	20+00.00	LT		VFW DR													11.5		11.5	1											
14	24" x 30"	22+00.00	RT		VFW DR													10.5		10.5	1											
15	24" x 30"	22+00.00	LT		VFW DR													10.5		10.5	1											
16	30" x 30"	24+00.00	RT		VFW DR													11.5		11.5	1											
17	30" x 30"	31+50.00	LT		VFW DR													11.5		11.5	1											
18	30" X 30"	125+15.00	RT		NORTH ACCESS RD													11.5		11.5	1											
19	24" x 30"	33+24.00	LT		VFW DR													10.5		10.5	1											
20	ASSEMBLY	10+31.40	LT		COUNTY RD													12.5		12.5	1											
21	36" x 36"	11+14.40	LT		COUNTY RD																				11.5		11.5		1				
22	ASSEMBLY	32+36.92	RT		AIRPORT RD																				15.5	15.5	31	2	2			2	
23	ASSEMBLY	32+68.84	LT		AIRPORT RD																				15.5	15.5	31	2	2			2	
24	36" DIA.	33+68.84	LT		AIRPORT RD																				11.5		11.5		1				
26	30" X 30"	35+46.37	RT		AIRPORT RD													11.5		11.5	1											
26	ASSEMBLY	1008+14.67	RT		CALVARY CHURCH RD																				15.5	15.5	31	2	2			2	
27	ASSEMBLY	1008+60.21	LT		CALVARY CHURCH RD																				15.5	15.5	31	2	2			2	
28	36" DIA.	1009+57.78	LT		CALVARY CHURCH RD																				11.5		11.5		1				
29	24" x 30"	1015+65.00	LT		CALVARY CHURCH RD													11.5		11.5	1											
30	ASSEMBLY	10+41.29	LT		SOUTH ACCESS RD																				13.5		13.5		1				
31	24" x 30"	11+02.00	RT		SOUTH ACCESS RD													11.5		11.5	1											
34	ASSEMBLY	13+90.41	RT		US 61													12.5		12.5	1											
35	ASSEMBLY	16+66.79	RT		US 61																				15.5	15.5	31.0	2	2			2	
36	ASSEMBLY	1085+05.57	RT		US 67		0.36	4.0	12.0		10.79	140.11	1	4	50	4.17	10.63																
37	ASSEMBLY	1088+08.21	LT		US 67													10.0		10.0			1	0.3									
38	ASSEMBLY	1088+11.82	LT		US 67		0.36	4.0	12.0		10.79	140.11	1	6	50	4.17	10.63																
SUB-TOTAL 1 :							0.72					281								171	14	0	1				459	26	33			26	
SUB-TOTAL 2 (REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN) :							0.60					----								----	----	----	----				----	----	----			----	
TOTAL :							1.4					290	*				**			171	14	0	1	***			459	26	33		***	26	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.
*** CONCRETE FOOTING IS INCIDENTAL FOR PERFORATED SQUARE STEEL TUBE POSTS.

D-29 SHEET - ALTERNATE A

SIGNS (902 SIGNAL SIGNS TABULATE ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDDED	PIPE POSTS *						BACKING BARS **				PERFORATED SQUARE STEEL TUBE POST														
																		2 IN. POST							2.5 IN. POST								
																					ANCHORS						ANCHORS				
SIGN NO.	SIGN SIZE	STATION	LOC.	HORZ CLEAR IF NOT STD	ROADWAY	SIGN DTL. SHT. NO.	ITEM NO. 9031010 (CUYD)	PIPE SIZE (IN)	POST NO. 1 (LF)	POST NO. 2 (LF)	LBS PER FT	TOTAL ITEM NO. 9031220 (LBS)	BREAK-AWAY ASSEM. (EA)	2"X3/8" BARS @ 2.55 LB PER LIN FT NO. EACH	LGTH (IN)	TOTAL (LF)	TOTAL (LBS)	POST NO. 1 (LF)	POST NO. 2 (LF)	TOTAL ITEM NO. 9031270A (LF)	DRIVEN 12-GA. ITEM NO. 9031271A (EA)	DRIVEN 7-GA. ITEM NO. 9031273A (EA)	CONC. 7-GA. ITEM NO. 9031274 (EA)	CONC. FOOTING EMBED*** (CUYD)	POST NO. 1 (LF)	POST NO. 2 (LF)	TOTAL ITEM NO. 9031280 (LF)	2.25" INSERT (6 FT) ITEM NO. 9031272A (EA)	DRIVEN 7-GA. ITEM NO. 9031281A (EA)	CONC. 7-GA. ITEM NO. 9031285 (EA)	CONC. FOOTING EMBED*** (CUYD)	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 (EA)	REMARKS AND OTHER REQUIRED ITEMS.
32	30" x 30"	14+53.00	LT		SOUTH ACCESS RD													11.50		11.5	1											
SUB-TOTAL 1 :							0.00					0								12	1	0	0				0	0	0			0	
TOTAL :							0.0					0	*				**			12	1	0	0	***			0	0	0		***	0	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.
*** CONCRETE FOOTING IS INCIDENTAL FOR PERFORATED SQUARE STEEL TUBE POSTS.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 158

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

JEFFERSON COUNTY MISSOURI 1818

CMT
CRAWFORD, MURPHY & TILLY, INC.
SIHLEMEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63141 (314) 432-0500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

PAVEMENT MARKING/ SIGNING SHEETS
SHEET 21 OF 22

PROJECT REDBIRD NORTH IMPROVEMENTS (PHASE 2)

D-30 SHEET

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	ROADWAY	TYPE: W12-1	R1-1	R1-3P	D3-1*	D3-1*	W14-2	R2-1	R2-1	W1-2R	W10-1	R15-1	W1-2L	W1-3R	W4-4P	D3-1*	D3-1*	D3-1*	W10-4	D3-1*	D3-1*	R1-2	M1-1	M6-3	M1-4	M1-4	M6-1L	R5-1	R5-1A
				SIGN DESCRIPTION, SIZES & NUMBER OF EACH *																											
				DOUBLE ARROW 30" x 30"	STOP 30" x 30"	ALL-WAY (PLAQUE) 18" x 6"	ST. PIUS SPUR* 42" x 12"	ST. PIUS DR* 36" x 12"	NO OUTLET 30" x 30"	SPEED LIMIT 20 24" x 30"	SPEED LIMIT 30 24" x 30"	CURVE (RIGHT) 30" x 30"	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING 36" DIA.	GRADE CROSSING (CROSSBUCK) 48" x 9"	CURVE (LEFT) 30" x 30"	REVERSE CURVE (RIGHT) 30" x 30"	CROSS TRAFFIC DOES NOT STOP 24" x 12"	VFW DR* 36" x 12"	N. ACCESS RD* 36" x 12"	COUNTY RD* 36" x 12"	T INTERSECTION RAILROAD CROSSING ADVANCED WARNING 36"X36"	CALVARY RD* 30" x12"	S. ACCESS RD* 36"x12"	YIELD 48" x 48"	I-55 24" x 24"	STRAIGHT ARROW 21" x 15"	US 61 24" x 24"	US 67 24" x 24"	LEFT ARROW 21" x 15"	DO NOT ENTER 48" x 48"	WRONG WAY 42" x 30"
1	5+90.00	RT	ST. PIUS SPUR	1																											
2	5+95.00	RT	ST. PIUS SPUR		1	1	1	1																							
3	8+55.00	LT	ST. PIUS DR						1																						
6	10+60.00	LT	ST. PIUS DR				1	1																							
7	10+80.00	RT	ST. PIUS DR							1																					
8	11+50.00	RT	ST. PIUS DR									1																			
9	14+21.80	RT	ST. PIUS DR										1																		
10	15+23.57	RT	ST. PIUS DR		1									1																	
11	15+59.93	LT	ST. PIUS DR		1									1																	
12	16+59.60	LT	VFW DR										1																		
13	20+00.00	LT	VFW DR												1																
14	22+00.00	RT	VFW DR							1																					
15	22+00.00	LT	VFW DR							1																					
16	24+00.00	RT	VFW DR													1															
17	31+50.00	LT	VFW DR													1															
18	125+15.00	RT	NORTH ACCESS RD		1												1	1	1												
19	33+24.00	LT	VFW DR							1																					
20	10+31.40	LT	COUNTY RD		1													1		1											
21	11+14.40	LT	COUNTY RD																		1										
22	32+36.92	RT	AIRPORT RD		1									1																	
23	32+68.84	LT	AIRPORT RD		1									1																	
24	33+68.84	LT	AIRPORT RD										1																		
26	1008+14.67	RT	CALVARY CHURCH RD		1									1																	
27	1008+60.21	LT	CALVARY CHURCH RD		1									1																	
28	1009+57.78	LT	CALVARY CHURCH RD										1																		
29	1015+65.00	LT	CALVARY CHURCH RD								1																				
30	10+41.29	LT	SOUTH ACCESS RD		1																	1	1								
31	11+02.00	RT	SOUTH ACCESS RD								1																				
35	16+66.79	RT	US 61																					1					1	1	
36	1085+05.57	RT	US 67																						1	2	1	1	1		
			TOTAL :	1	10	1	2	2	1	4	2	1	4	6	1	2	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER		SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE (SF)	FLAT SHEET SH ITEM NO. 9035004A (SF)	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A (SF)	STRUCTURAL ST ITEM NO. 9035011A (SF)
W2-1 DOUBLE ARROW - 1	30" x 30"		1	6.3		6.3	
R1-2 YIELD - 35	48" x 48"		1	16.0	16.0		
R1-1 STOP - 2,10,11,18,20,22,23,26, 27, 30	30" x 30"		10	6.3	62.5		
R1-3P ALL WAY (PLAQUE) - 2	18" x 6"		1	0.8	0.8		
*D3-1 ST. PIUS SPUR - 2, 6	42" x 12"		2	0.8	1.5		
*D3-1 ST. PIUS DR - 2, 6	36" x 12"		2	0.8	1.5		
W14-2 NO OUTLET - 3	30" x 30"		1	6.3		6.3	
R2-1 SPEED LIMIT 20 - 7,14,15,19	24" x 30"		4	5.0	20.0		
R2-1 SPEED LIMIT 30 - 29, 31	24" x 30"		2	5.0	10.0		
W1-2R CURVE (RIGHT) - 8	30" x 30"		1	6.3		6.3	
W4-4P CROSS TRAFFIC DOES NOT STOP - 18	24" x 12"		1	5.0	5.0		
*D3-1 VFW DR - 18, 20	36" x 12"		2	5.0	10.0		
*D3-1 N. ACCESS RD - 18	36" x 12"		1	5.0	5.0		
*D3-1 COUNTY RD - 20	36" x 12"		1	5.0	5.0		
W10-1 HIGHWAY-RAIL GRADE CROSSING ADVANCED WARNING - 9,12,24, 28	36" DIA.		4	9.4		37.7	
R15-1 GRADE CROSSING (CROSSBUCK) - 10,11,22,23,26,27	48" x 9"		6	3.0	18.0		
W1-2L CURB (LEFT) - 13	30" x 30"		1	6.3		6.3	
W1-3R REVERSE CURVE (RIGHT) - 16,17	30" x 30"		2	6.3		12.5	
*D3-1 CALVARY RD - 30	36" x 12"		1	3.0	3.0		
W10-4 T INTERSECTION RAILROAD CROSSING ADVANCED WARNING - 21	36" x 36"		1	9.0		9.0	
M1-4 US 67 - 36	24" x 24"		1	4.0	4.0		
M1-1 INTERSTATE 55 - 36	24" x 24"		1	4.0	4.0		
M6-3 STRAIGHT ARROW - 36	21" x 15"		2	2.2	4.4		
M1-4 US 61 - 36	24" x 24"		1	4.0	4.0		
M6-1L LEFT ARROW - 36	21" x 15"		1	2.2	2.2		
R5-1 DO NOT ENTER - 35	48" x 48"		1	16.0	16.0		
R5-1a WRONG WAY - 35	42" x 30"		1	8.8	8.8		
*D3-1 S. ACCESS RD - 30	36" x 12"		1	8.8	8.8		
			TOTAL :	210	84	0	

NOTE: 1. BRACKETS AND HARDWARE NEEDED TO MOUNT SIGNS ON MAST ARM WILL NOT BE PAID FOR SEPARATELY AND ARE INCLUDED IN THE SIGN PAY ITEM.
2. CONTRACTOR TO DESIGN
3. SEE SIGNAL SHEETS FOR OVERHEAD SIGNING.

REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN QUANTITY

SIGNING SHEET	SIGN NO.	STATION	ROADWAY	LOCATION	MISC. {REMOVE & RELOCATE EXISTING GROUND MOUNT SIGN ASSEMBLY} (EA)	MISC. {PRIVATE SIGN REMOVAL AND RELOCATION} (EA)	FOOTINGS: CONC EMBD (CY)	REMARKS
2	4	9+65.00	ST. PIUS DR.	RT	1			STOP SIGN ASSEMBLY
2	5	10+19.00	ST. PIUS DR.	RT	1			STOP SIGN ASSEMBLY
2	6	10+60.00	ST. PIUS DR.	LT	1			STOP SIGN ASSEMBLY
2	39	10+67.40	ST PIUS. DR.	RT		1	0.15	VFW SIGN
4	40	19+74.05	VFW DR.	RT		1	0.15	VFW SIGN
7	41	125+24.81	N. ACCESS RD.	RT		1	0.15	SAND PLANT SIGN
8	42	11+55.63	COUNTY RD.	LT		1	0.15	VFW SIGN
12	25	35+46.37	AIRPORT RD.	RT	1			DEAD END SIGN
	34	13+90.41	US 61	44.5' RT	1			GUIDE SIGN ASSEMBLY
	37	1088+06.21	US 67	55.0' LT	1			BYPASS ROUTE ASSEMBLY
	38	1088+11.82	US 67	54.5' LT	1			GUIDE SIGN ASSEMBLY
				SUB-TOTAL	7	4	0.60	SEE D29 FOR CONC TOTAL
				TOTALS	7	4	-----	

* NO DIRECT PAYMENT

D-30 SHEET - ALTERNATE A

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	ROADWAY	TYPE: W3-1							
				SIGN DESCRIPTION, SIZES & NUMBER OF EACH *							
				STOP AHEAD 30" x 30"							
32	14+53.00	LT	SOUTH ACCESS RD	1							
			TOTAL :	1	0	0	0	0	0	0	0

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER		SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE (SF)	FLAT SHEET SH ITEM NO. 9035004A (SF)	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A (SF)	STRUCTURAL ST ITEM NO. 9035011A (SF)
W3-1 STOP AHEAD	30" x 30"		1	6.3		6.3	
			TOTAL :	0		6	0

NOTE: 1. BRACKETS AND HARDWARE NEEDED TO MOUNT SIGNS ON MAST ARM WILL NOT BE PAID FOR SEPARATELY AND ARE INCLUDED IN THE SIGN PAY ITEM.
2. CONTRACTOR TO DESIGN
3. SEE SIGNAL SHEETS FOR OVERHEAD SIGNING.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 159

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

JEFFERSON COUNTY MISSOURI 1818

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

PAVEMENT MARKING/ SIGNING SHEETS

SHEET 22 OF 22

PROJECT REDBIRD NORTH IMPROVEMENTS (PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 10 20 30

STA 5+30.62
OFF 104.87'
(CENTER OF
THE ARC)

R 2'
STA 5+92.46
OFF 17.98'
R 102'
STA 6+09.55
OFF 31.27'
STA 6+09.56
OFF 17.98'
R 2'
R 2'
ISLAND DETAIL

412.04 412.29 412.53 412.77 412.92 413.02
5
12' 12' 12'
STA 5+10.30
OFF 21.74'
STA 5+14.58
OFF 131.64'
L 0.00'
R 0.00'
N45°20'45"E
412.88 412.76 412.65 412.57 412.50 412.45 412.42 412.41 412.41 412.44 412.47 412.50 412.53 412.56 412.59 412.62 412.66
S41°12'55"E
STA 5+20.40
OFF 21.82'
STA 5+27.88
OFF 35.36'
412.06 412.53 412.73
412.29 412.77
STA 5+30.42
OFF 23.02'
25' TYP
STA 5+40.23
OFF 25.32'
STA 5+32.55
OFF 110.24'
L 0.00'
R 0.00'
S40°59'32"W
412.06
STA 5+44.49
OFF 36.02'
412.08
412.32 412.54
412.77 412.66 412.54
STA 5+49.72
OFF 28.68'
STA 5+60.72
OFF 39.66'
412.15
STA 5+58.76
OFF 33.08'
412.26
STA 5+67.25
OFF 38.44'
412.37
STA 5+76.03
OFF 46.16'
412.47 412.61 412.66 412.56 412.47
412.77
STA 5+75.11
OFF 44.70'
412.49
℄ ST PIUS SPUR
STA 5+82.35
OFF 51.79'
412.60
STA 5+89.21
OFF 55.37'
STA 5+89.21
OFF 59.59'
412.64
412.74 412.74 412.67
412.78
6
STA 5+95.31
OFF 67.99'
412.56
412.58
STA 5+99.90
OFF 67.07'
412.77 412.62 412.59 412.55
16.37'
STA 6+00.58
OFF 76.93'
412.71
STA 6+04.99
OFF 86.33'
STA 6+08.50
OFF 96.11'
412.73
412.71
STA 6+07.90
OFF 80.75'
INLET TO REMAIN
RIM ELEV.403.54'
MH-5-4
RIM ELEV. 412.56'
N41°58'05"W
412.82
S42°00'03"E
412.83 412.81 412.80 412.79 412.78 412.77 412.76 412.75 412.74 412.72
STA 6+14.50
OFF 111.55'
STA 6+12.84
OFF 95.81'
STA 6+11.06
OFF 106.17'
STA 6+12.67
OFF 116.43'
STA 6+13.30
OFF 126.79'
12' 15' 10'
6
11
℄ ST PIUS DR
413.07 413.05 413.04 413.03 413.02 413.01 413.00 412.99 412.98 412.97 412.96
25' TYP
12' 15'
412.83 412.81 412.78 412.74 412.72 412.71 412.70 412.69 412.68 412.67 412.66
STA 9+00.00
OFF 12.00'
STA 9+60.00
OFF 15.00'
℄ ST PIUS STA 9+99.72
℄ ST PIUS SPUR STA 6+26.57

ST. PIUS SPUR & ST. PIUS INTERSECTION WARPING SHEET

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024
STATE MO | SHEET NO. 160
COUNTY
JEFFERSON
JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

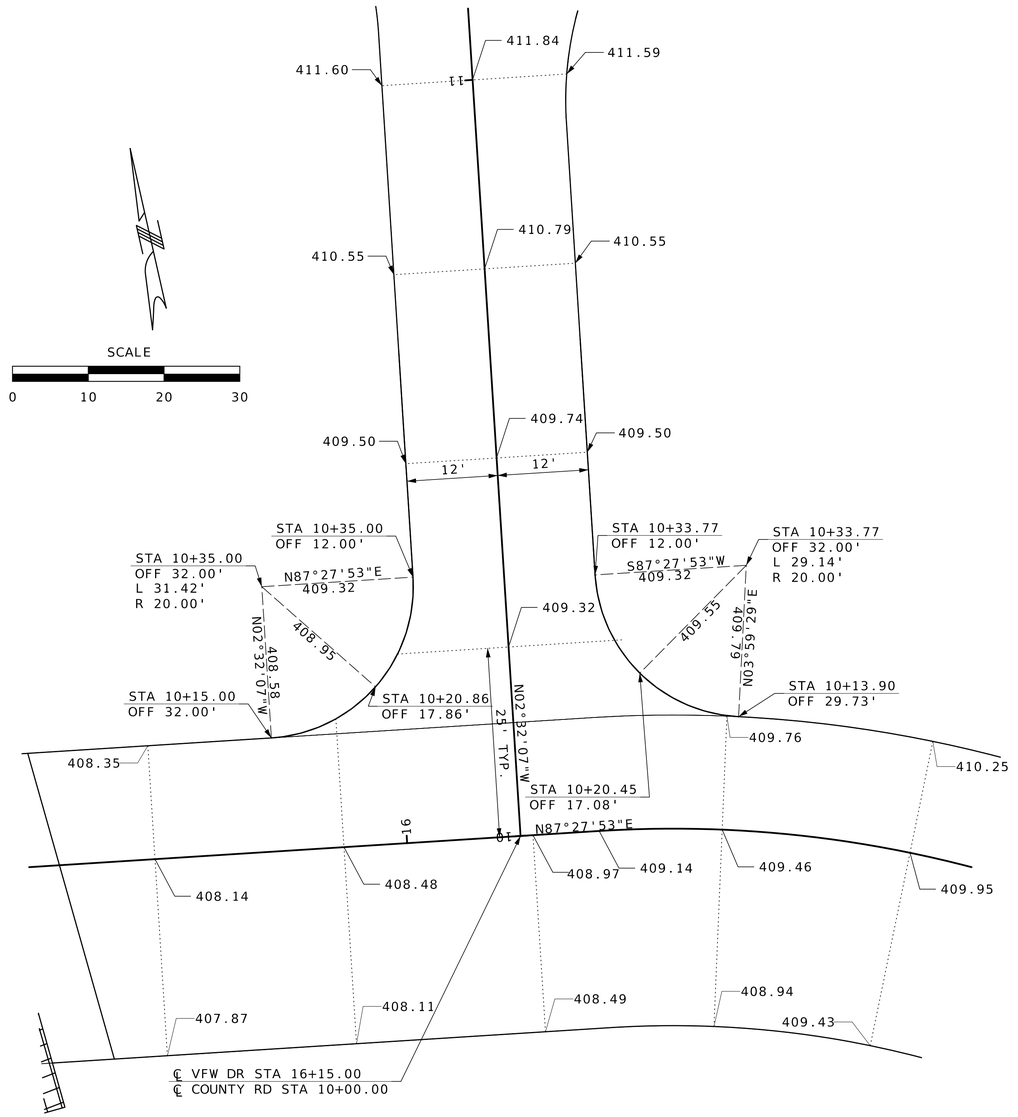
SPECIAL SHEET
SHEET 1 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\08_SS_592200_St Pius_St Pius Spur Intersection.dgn 1:43:28 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



VFW DRIVE & COUNTY ROAD INTERSECTION
WARPING SHEET

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 161

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

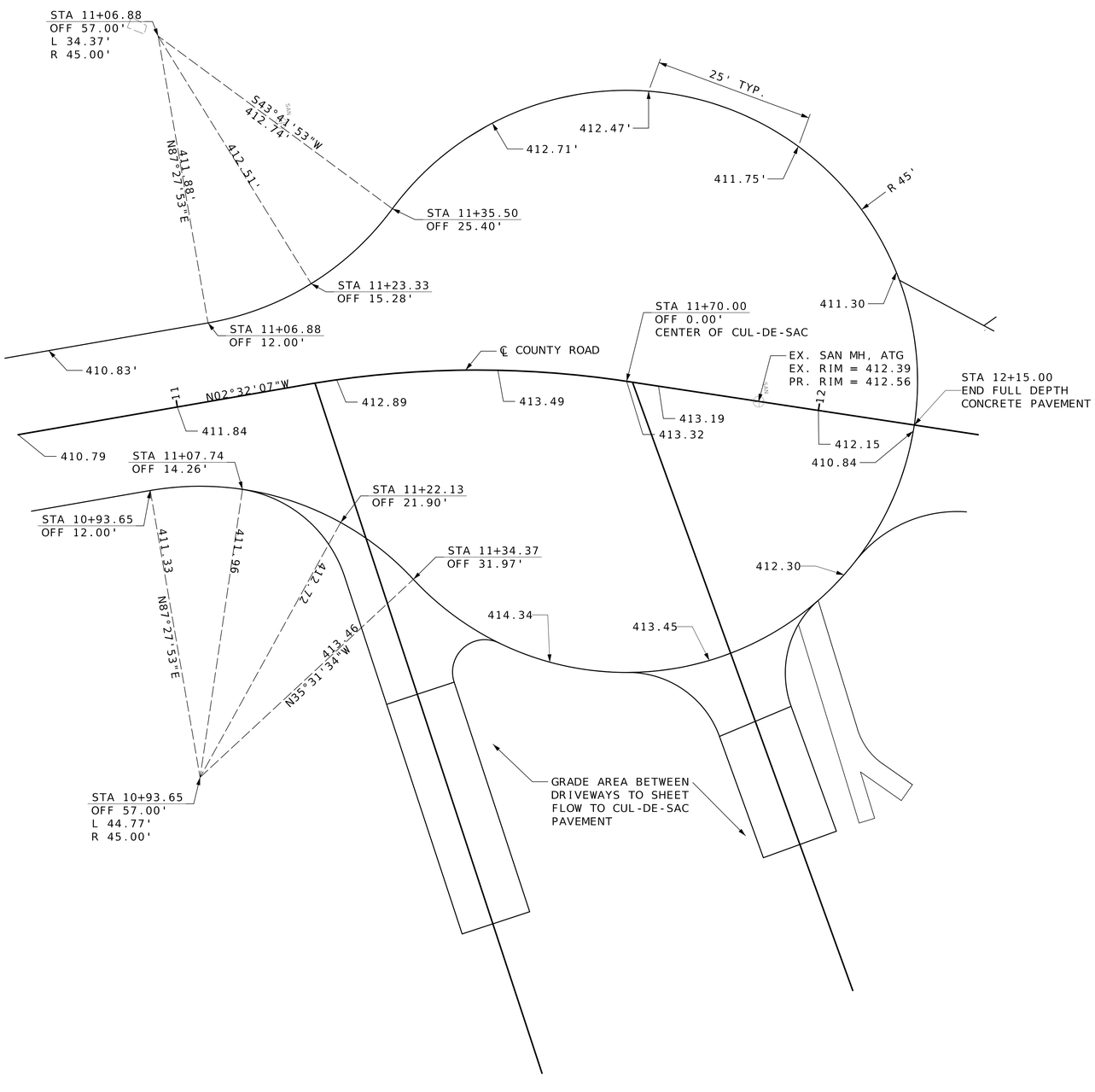
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

SPECIAL SHEET
SHEET 2 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SCALE
0 10 20 30

COUNTY ROAD CUL-DE-SAC WARPING SHEET

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	162

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

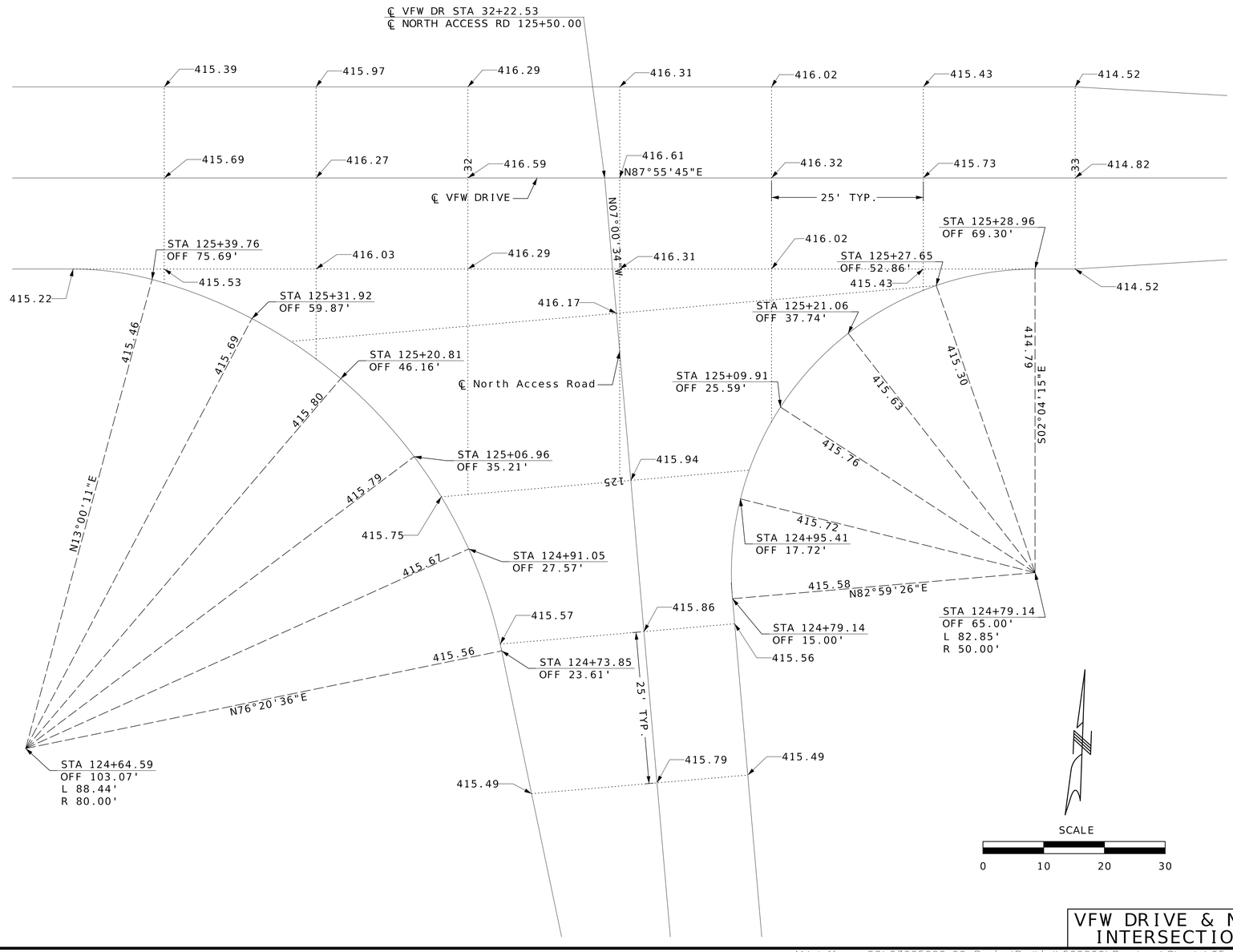
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stanley CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

SPECIAL SHEET
SHEET 3 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



VFW DRIVE & NORTH ACCESS ROAD
INTERSECTION WARPING SHEET

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 163

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.255.3500
ENGINEERING CORPORATION - 000631

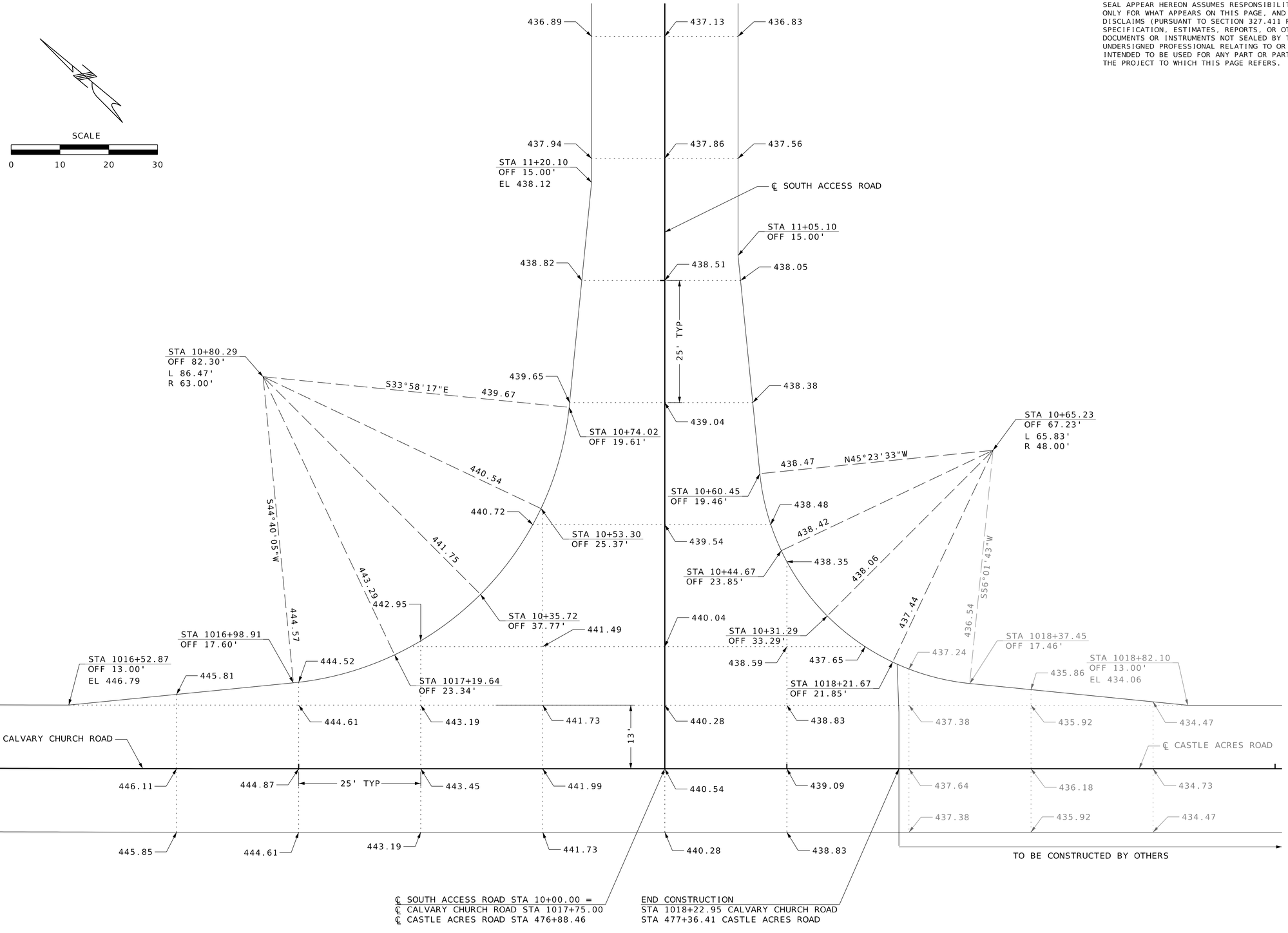
SPECIAL SHEET
SHEET 4 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_SS_592200_North Access.dgn 1:50:26 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



CALVARY CHURCH & SOUTH ACCESS ROAD
INTERSECTION WARPING SHEET

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	164

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SPECIAL SHEET
SHEET 5 OF 9

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

SCALE
0 20 40 60

℄ US-67

℄ US-61

STA 1088+78.67
OFF 116.90' LT.
N 861912.956
E 850119.943

PI 14+32.08
PC 4+40.12
PT 23+12.79
Δ 46°44'18.2" (RT)
D 2°29'44.9"
L 1,872.67' (ARC)
T 991.96'
R 2,295.67'

STA 1086+56.54
OFF 130.00' LT.
N 862086.392
E 850259.357

STA 1085+73.85
OFF 102.22' RT.
N 862288.358
E 850118.025

PT STA 1085+29.93

S35°25'04"W 710.16'

US 61/67 INTERSECTION
WARPING SHEET

WARPING

DATE PREPARED
10/16/2024
STATE: MO — SHEET NO.: 165
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

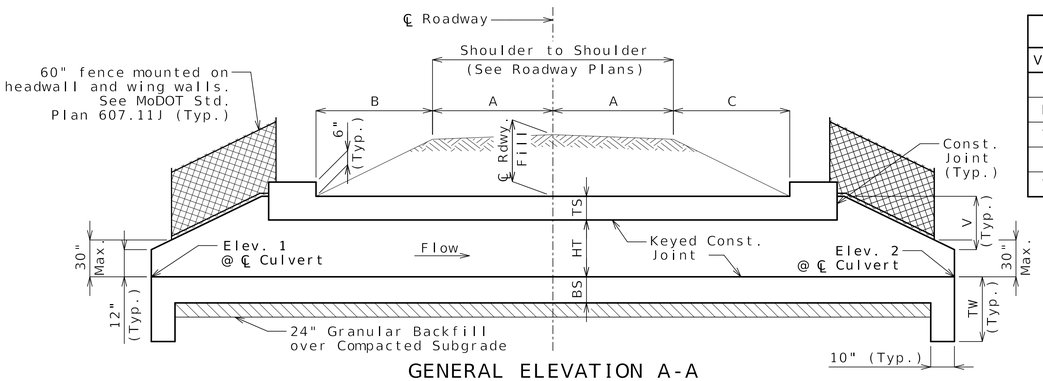
© Copyright CMT, Inc.

SPECIAL SHEET
SHEET 6 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

2(16'x12') CONCRETE BOX CULVERT

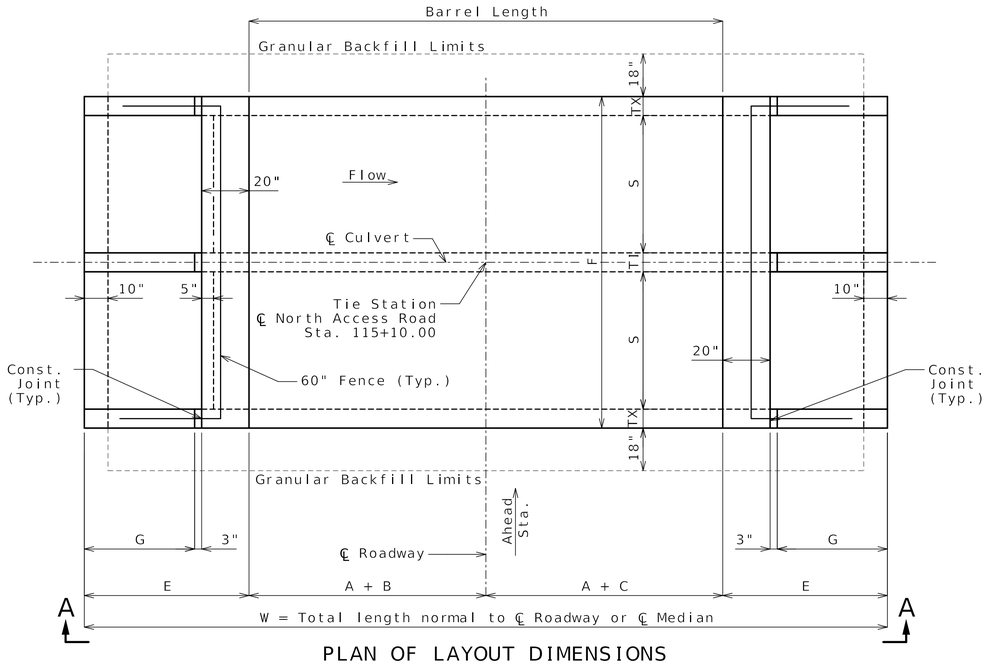


GENERAL ELEVATION A-A

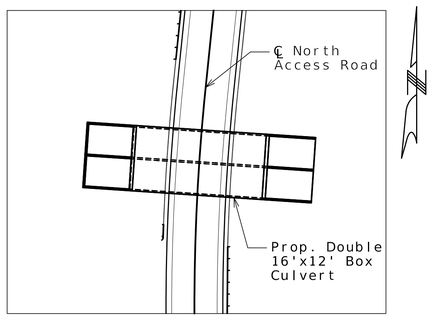
Construction joint key not shown for clarity, see standard plans for details.

If any part of the barrel is exposed, the roadway fill shall be warped to provide 12 inches minimum cover. (Roadway Item)

If unsuitable material is encountered, excavation of unsuitable material and furnishing and placing of granular backfill shall be in accordance with Sec 206.



PLAN OF LAYOUT DIMENSIONS



LOCATION SKETCH

Layout Dimensions

Var.	Equation	Dim.	Var.	Equation	Dim.	Var.	Equation	Dim.
S	- - -	16'-0"	TI	See Member Thickness Table	10"	F	2S + 2TX + TI	34'-6"
HT	- - -	12'-0"	A	- - -	15'-0"	G	2V	24'-2"
TS	See Member Thickness Table	13"	B	- - -	19'-4"	V	HT + TS - 12"	12'-1"
BS	See Member Thickness Table	14"	C	- - -	19'-4"	W	2A + B + C + 2D	120'-10"
TX	See Member Thickness Table	10"	E	G + 23"	26'-1"	TW	Max{3'-4" or (BS + 12")}	3'-4"

Hydrologic Data

Drainage Area = 1.3 mi²
Design Flood Frequency = 500 years
Design Flood Discharge = N/A
Design Flood (D.F.) Elevation = 411.5
Base Flood (100-year)
Base Flood Elevation (Headwater) = 408.0
Base Flood Elevation (Backwater) = 408.8
Base Flood Discharge = 1,400 cfs
Estimated Backwater = 0.3 ft
Outlet Velocity = 3.5 ft/s
Roadway Overtopping
Overtopping Flood Discharge = N/A
Overtopping Flood Frequency = >500 years
>500 Yr Flood Elevation = N/A

Elevations

Upstream (Elev. 1) = 394.30
Downstream (Elev. 2) = 394.00
Pr. Gr. at Tie Sta. = 413.00

Fill Heights

℄ Rdwy at ℄ Culvert = 5.7 ft
Design (All units) = 6 ft

Dimensions are based on end units.
Fill heights are measured from the top of top slab to the top of earth fill or roadway.

Estimated Quantities

Class 4 Excavation	cu. yard	590
Class B-1 Concrete (Culverts-Bridge)	cu. yard	398.7
Reinforcing Steel (Culverts-Bridge)	pound	56050
Type 1 Aggregate for Base (24 in. Thick)	sq. yard	497

General Notes:

Design Specifications:
2010 AASHTO LRFD Bridge Design Specifications and 2010 Interim Revisions

Design Loading:
Vehicular = HL-93 minus lane load, Earth = 120 lb/cf
Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Design Unit Stresses:
Class B-1 Concrete (Box Culvert) f'c = 4,000 psi
Reinforcing Steel (Grade 60) fy = 60,000 psi

MoDOT Standard Plans:
703.37, 703.41, 703.46, 703.47

Miscellaneous:
Construction personnel will indicate the type of box culvert constructed:
☐ Precast Concrete Box used
☐ Cast-in-Place Concrete Box used

When alternate precast concrete box sections are used, the minimum distance from inside face of headwalls to precast sections measured along the shortest wall shall be 3 feet. Reinforcement and dimensions for wings and headwalls shall be in accordance with Missouri Standard Plans.

Channel bottom shall be graded within the right of way for transition of channel bed to culvert openings. Channel banks shall be tapered to match culvert openings. (Roadway Item)

Traffic Handling:
Structure to be closed during construction. See roadway plans for traffic control.

B.M.
B.M. #32
N:862455.583, E:853075.335
Sta. 32+35.58, 13.79' Lt. (℄ VFW Drive)
El. 417.96

B.M. #35
N:860856.035, E:853160.606
Sta. 109+67.31, 50.44' Rt. (℄ North Access Road)
El. 431.90

CULVERT-BRIDGE: NORTH ACCESS ROAD

TIE STA. 115+10.00

Note: This drawing is not to scale. Follow dimensions.

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 166

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

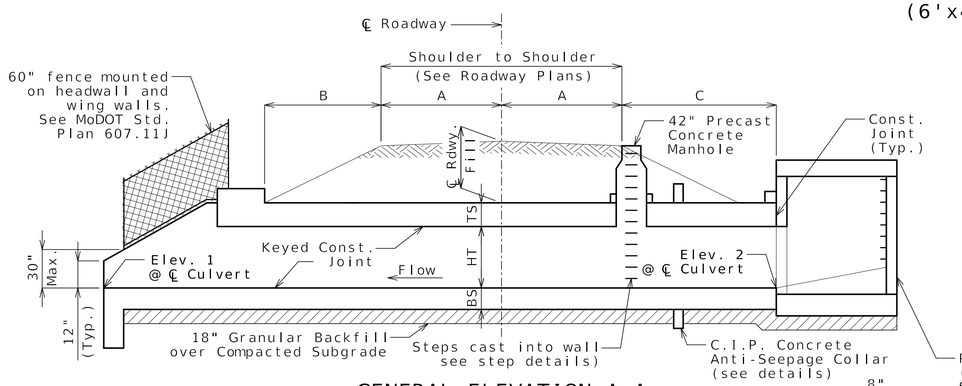
CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SPECIAL SHEET
SHEET 7 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

(6'x4') CONCRETE BOX CULVERT

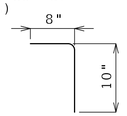


GENERAL ELEVATION A-A

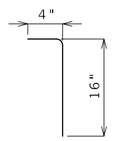
Construction joint key not shown for clarity, see standard plans for details.

If any part of the barrel is exposed, the roadway fill shall be warped to provide 12 inches minimum cover. (Roadway Item)

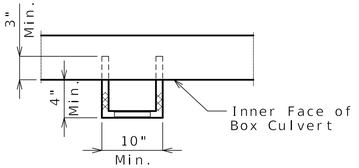
If unsuitable material is encountered, excavation of unsuitable material and furnishing and placing of granular backfill shall be in accordance with Sec 206.



Precast Manhole Dowel Bar



Box Culvert Dowel Bar



Step Installation

Steps shall be placed at vertical intervals of 16" maximum in the 6'x4' box culvert. Steps shall begin at an elevation 6" above the top of the outlet pipe.

Steps shall be level and in vertical alignment.

No direct payment will be made for steps.

Layout Dimensions

Var.	Equation	Dim.	Var.	Equation	Dim.	Var.	Equation	Dim.
S	- - -	6'-0"	G	2V	7'-6"	X	3" + TX(tan Z)	0'-3¼"
HT	- - -	4'-0"	H	CC(tan Z)	5'-3⅜"	Z	SKEW ANGLE	3°50'28"
TS	See Member Thickness Table	9"	I	3"(cos Z)	0'-3"	BB	(A + B)(sec Z)	66'-7¾"
BS	See Member Thickness Table	10"	J	(A + B + E)(tan Z)	5'-1¼"	CC	(A + C + SS/2)(sec Z)	78'-2⅝"
TX	See Member Thickness Table	8"	K	S(sec Z)/2	3'-0⅛"	EE	E(sec Z)	9'-5¼"
A	- - -	15'-0"	L	BB + CC + EE	155'-4¼"	HH	20"(sec Z)	1'-8"
B	- - -	51'-6"	O	I + YY	0'-3½"	QQ	TX(cos Z)	0'-8"
C	- - -	63'-9⅝"	T	G(sec Z)	7'-6¼"	SS	F(sin Z)	0'-5⅝"
E	G + O + 20"	9'-5½"	V	HT + TS - 12"	3'-9"	YY	TX(sin Z)	0'-0¼"
F	S + 2TX	7'-4"	W	2A + B + C + E + SS	155'-3"	TW	MAX(3'-4" OR (BS + 12"))	3'-4"

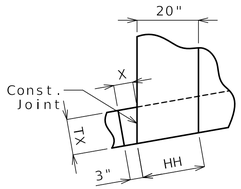
Elevations	Fill Heights
Downstream (Elev. 1) = 387.10	℄ Rdwy at ℄ Culvert = 19.7 ft
Upstream (Elev. 2) = 391.00	Lt. Shldr. at ℄ Culvert = 20.6 ft
Pr. Gr. at Tie Sta. = 413.05	Design (All units) = 22 ft

Dimensions are based on end units.
Fill heights are measured from the top of top slab to the top of earth fill or roadway.

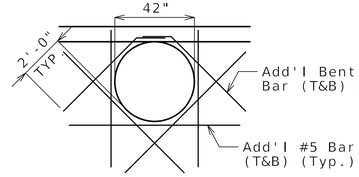
Estimated Quantities

Class 4 Excavation	cu. yard	120
Class B-1 Concrete (Culverts-Bridge)	cu. yard	103.1
Reinforcing Steel (Culverts-Bridge)	pound	15200
Type 1 Aggregate for Base (18 in. Thick)	sq. yard	177

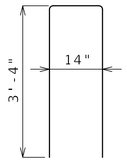
All concrete and reinforcement for the C.I.P. concrete collar around the precast manhole and the C.I.P. concrete Anti-Seepage Collar is included in the quantities in the table above.



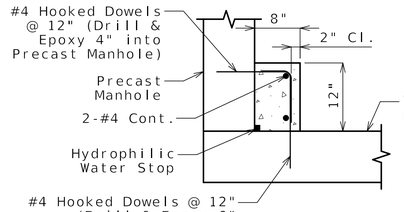
Detail A



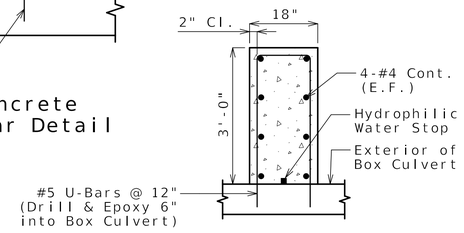
Additional Reinforcing for Manhole Opening



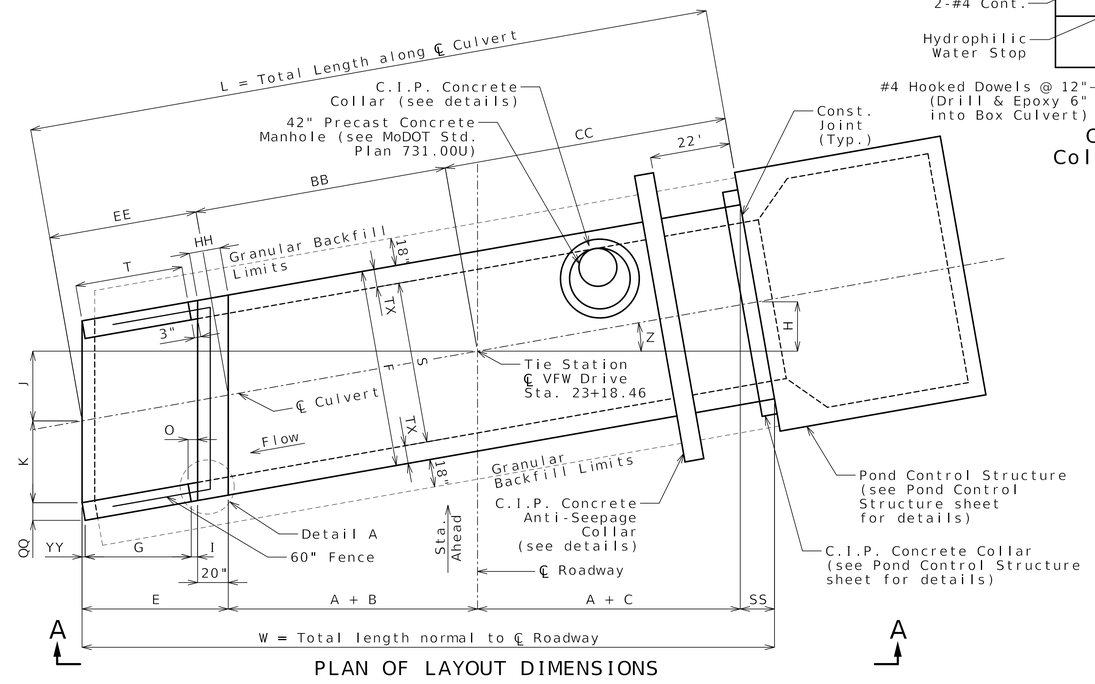
Anti-Seepage U-Bar



Concrete Collar Detail

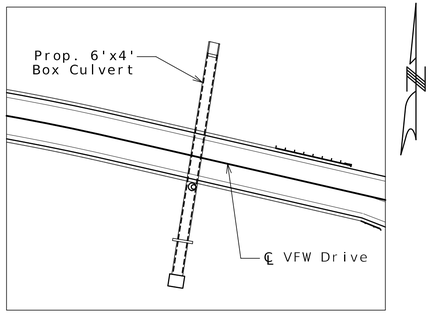


Anti-Seepage Collar Detail



PLAN OF LAYOUT DIMENSIONS

Note: This drawing is not to scale. Follow dimensions.



LOCATION SKETCH

General Notes:

Design Specifications:
2010 AASHTO LRFD Bridge Design Specifications and 2010 Interim Revisions

Design Loading:
Vehicular = HL-93 minus lane load, Earth = 120 lb/cf
Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Design Unit Stresses:
Class B-1 Concrete (Box Culvert) f'c = 4,000 psi
Reinforcing Steel (Grade 60) fy = 60,000 psi

MoDOT Standard Plans:
703.10, 703.16, 703.17

Miscellaneous:
Construction personnel will indicate the type of box culvert constructed:
- ☐ Precast Concrete Box used
- ☐ Cast-in-Place Concrete Box used

When alternate precast concrete box sections are used, the minimum distance from inside face of headwalls to precast sections measured along the shortest wall shall be 3 feet. Reinforcement and dimensions for wings and headwalls shall be in accordance with Missouri Standard Plans.

Channel bottom shall be graded within the right of way for transition of channel bed to culvert openings. Channel banks shall be tapered to match culvert openings. (Roadway Item)

Traffic Handling:
Structure to be closed during construction. See roadway plans for traffic control.

B.M.
B.M. #20
N: 862842.380, E:851361.242
Sta. 12+66.59, 34.83' Rt. (℄ VFW Drive)
Elev. 405.31

B.M. #26
N:862712.838, E:852588.425
Sta. 26+01.44, 2.02' Rt. (℄ VFW Drive)
Elev. 405.19

CULVERT-BRIDGE: VFW DRIVE

TIE STA. 23+18.46

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 167

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

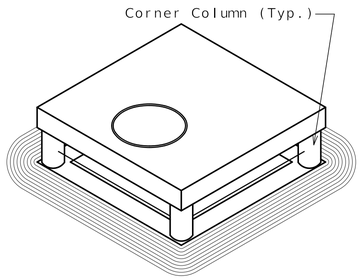
SPECIAL SHEET
SHEET 8 OF 9

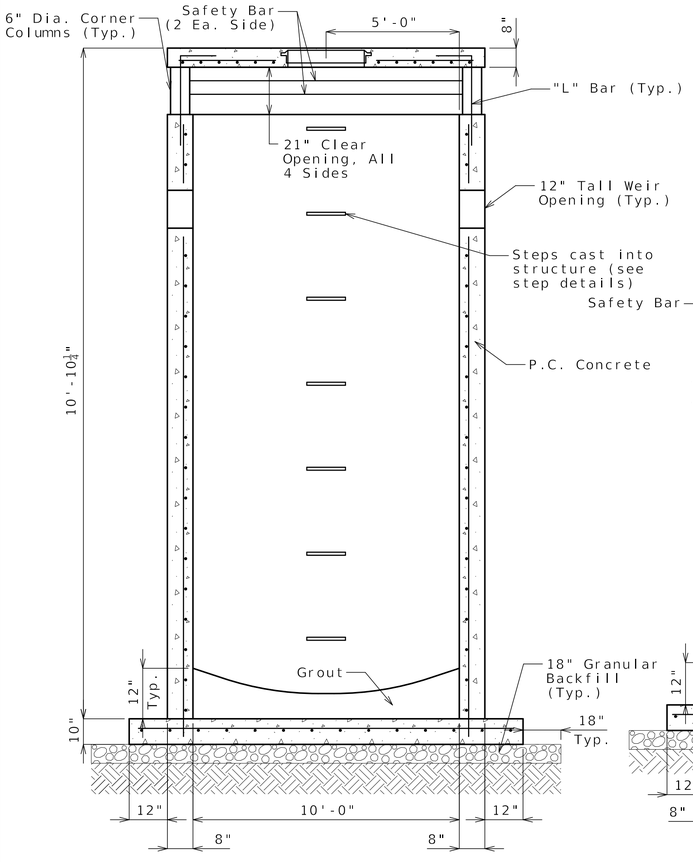
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

Estimated Quantities		
Class 4 Excavation	cu. yard	0
Class B-1 Concrete	cu. yard	17.2
Reinforcing Steel	pound	3030
Type 1 Aggregate for Base (18 in. Thick)	sq. yard	23.3
Manhole Frame and Cover, Type 4	each	1

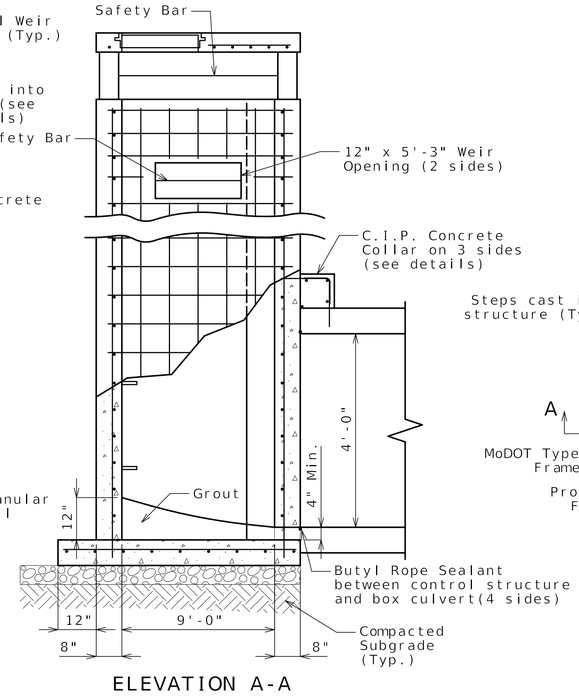
Table of Estimated Quantities represents the quantities used to prepare the cost estimate for Pond Control Structure. Payment for concrete, reinforcement, aggregate base, manhole frame and cover, steps, grout, and C.I.P. concrete collar will be considered completely covered by the contract unit price for Pond Control Structure, per vertical linear foot.

All concrete and reinforcement for the CIP concrete collar is included in the quantities in the table above.

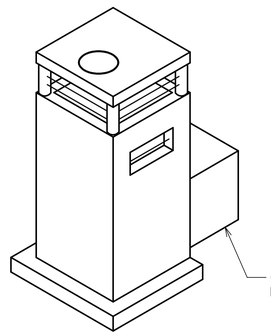




SECTION B-B

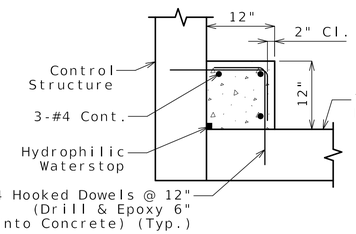


ELEVATION A-A

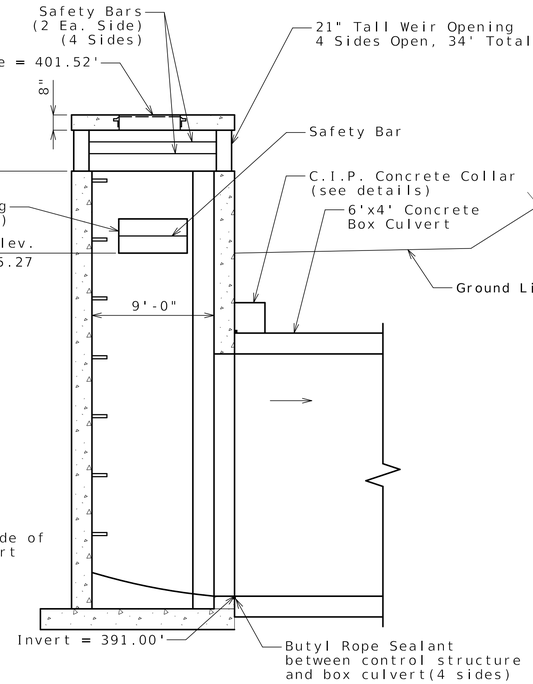


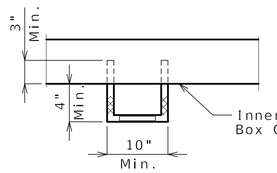
Pictorial View

Note: Add'l opening on back side.



Concrete Collar Detail



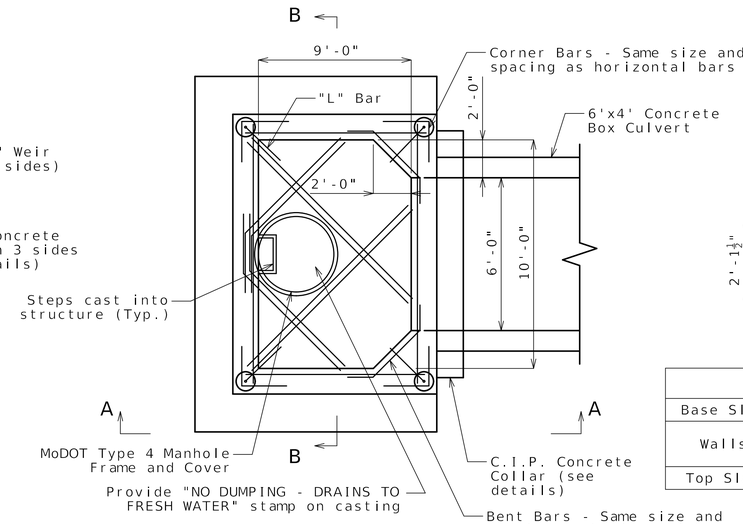


Step Installation

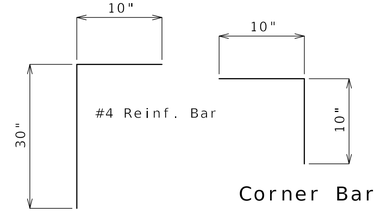
Steps shall be placed at vertical intervals of 16" maximum in the outlet structure. Steps shall begin at an elevation 12" above the bottom slab.

Steps shall be level and in vertical alignment.

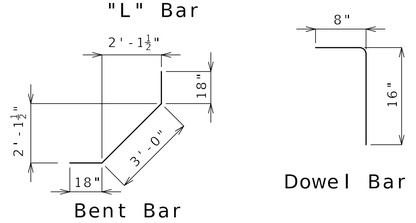
No direct payment will be made for steps.



PLAN



"L" Bar Corner Bar



Bent Bar Dowel Bar

Reinforcement Schedule		
Base Slab	#6 @ 6" E.W.	
Walls	Horizontal	Vertical
	#6 @ 6"	#4 @ 10"
Top Slab	#4 @ 6" E.W. (Diag. @ Cover)	

Notes:

All exposed corners to have 3/4" chamfer. Concrete shall have a minimum compressive strength of 4000 psi.

All #4 & #5 reinforcing bars to have 1½" cover, larger sizes to have 2" cover.

See grading and drainage plan for culvert location and flow lines.

All reinforcing bars to be ASTM A615, Grade 60.

Shop drawings shall be submitted for review & approval prior to construction.

Pond Control Structure

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 168

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS

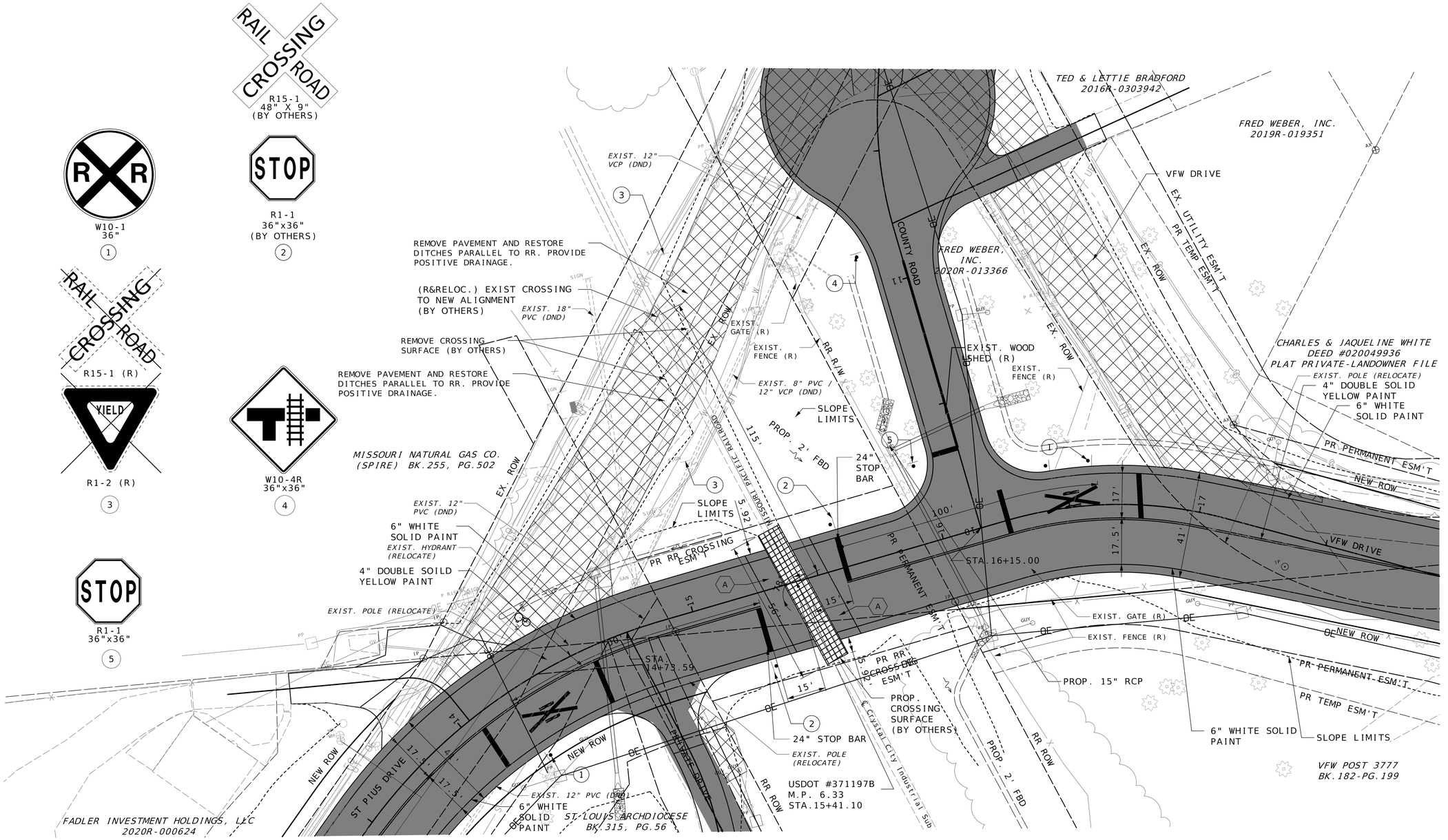
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SPECIAL SHEET
SHEET 9 OF 9

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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



(A) INSTALL 8' WIDE ASPHALT BUFFER BETWEEN CONCRETE PAVEMENT AND RR CROSSING SURFACE.

FOR REFERENCE ONLY

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	169

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

ST PIUS DRIVE
RAILROAD CROSSING
USDOT #371197B

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

N/F
MELVIN & DOROTHY MEYER
DOC. #040027483

N/F
FESTUS SPECIAL
ROAD DISTRICT
BK.393, PG.519

N/F
MISSOURI PACIFIC
RAILROAD (100')

RR ROW

EXIST. 18"X24"
RCP (DND)

6" WHITE
SOLID PAINT

4" DOUBLE SOLID
YELLOW PAINT

T.C.E.

SLOPE LIMITS

EX. ROW

USDOT #371198H
M.P. 6.944
STA. 32+52.93

EXIST. 18" CMP
R&REPLACE
W/ 18" RCP

MISSOURI PACIFIC RAILROAD

6.83'

24" SOLID
STOP BAR

24" SOLID
STOP BAR

NEW ROW

STA. 31+11.23

℄ AIRPORT ROAD

100'

15'

15'

11'

26'

32

31

34

35

EXIST.
18"X24"
RCP (DND)

EX. ROW

6" WHITE SOLID
PAINT

SLOPE LIMITS

FESTUS MEMORIAL AIRPORT

N/F
STATE OF MISSOURI
(MoDOT)
BK.504, PG.995

RAIL CROSSING ROAD
R15-1
48"
REMOVE AND REPLACE
(BY OTHERS)

YIELD
R1-2
36"
REMOVE AND REPLACE
(BY OTHERS)

R X R
W10-1
36"

25
M.P.H.
W13-1P
18"

℄ Crystal City Industrial Sub

(R&REPLACE) EX.
CROSSING SURFACE
(BY OTHERS)

CROWN PLASTICS, INC.
2015R-004330

AIRPORT SUBDIVISION
2022P-000188
LOT 1

JAMES HARDIE BUILDING
PRODUCTS, INC.
2023R-008874

LEGEND

- NEW PAVEMENT
- SLOPE LIMITS
- EXIST. PROPERTY LINE
- GUARDRAIL
- EXIST. R/W
- TEMPORARY CONSTRUCTION EASEMENT
- PAVEMENT REMOVAL/DRIVEWAY

SCALE
0 20 40 60

FOR REFERENCE ONLY

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

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

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 170

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

AIRPORT ROAD
RAILROAD
CROSSING
USDOT #371198H

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_PP_592200_Airport_RailRoad Plan1.dgn 4:43:55 PM 10/16/2024

(17)
GIP/ABT,LLC
2022R-010240
NO AQUISITION

(9)
MISSOURI PACIFIC
RAILROAD (100')
NO AQUISITION

(17)
GIP/ABT,LLC
2022R-010240
NO AQUISITION

EXIST. R/W

RR R/W

MISSOURI PACIFIC RAILROAD

RAIL CROSSING ROAD
R15-1
48" X 9"
(BY OTHERS)

YIELD
R1-2
36" X 36" X 36"
(BY OTHERS)

R X R
W10-1
36"

1010

℄ CALVARY CHURCH ROAD

EXIST. 42" RCP & HEADWALL (UIP)

CONSTRUCTION LIMITS

6 WHITE SOLID PAINT

4" DOUBLE SOLID YELLOW PAINT

PR. MGS GUARDRIL

C.E.T.

(R&REPLACE) EX. CROSSING SURFACE (BY OTHERS)

24" STOP BAR

EXIST. 30" CMP (UIP)

EXIST. CONC DITCH (UIP)

1006 1007 1008 1009 1010

26'

11' 11'

4'

15'

100'

CP#1

FUTURE PROP. R/W

STA. 1008+37.37
USDOT #371199P
M.P. 7.550

DRAINAGE INLET (UIP)

℄ CRYSTAL CITY INDUSTRIAL SUB.

EXIST. DITCH (UIP)

EXIST. 18" CMP & INLET (DND)

EXIST. 8" CMP (DND)

SCALE
0 20 40 60

LEGEND

- NEW PAVEMENT
- GUARDRAIL
- CONSTRUCTION LIMITS
- EXIST. PROPERTY LINE
- EXIST. R/W

FOR REFERENCE ONLY

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED 10/16/2024
STATE MO | SHEET NO. 171
COUNTY JEFFERSON
JOB NO. SNS-0025

DESCRIPTION | DATE

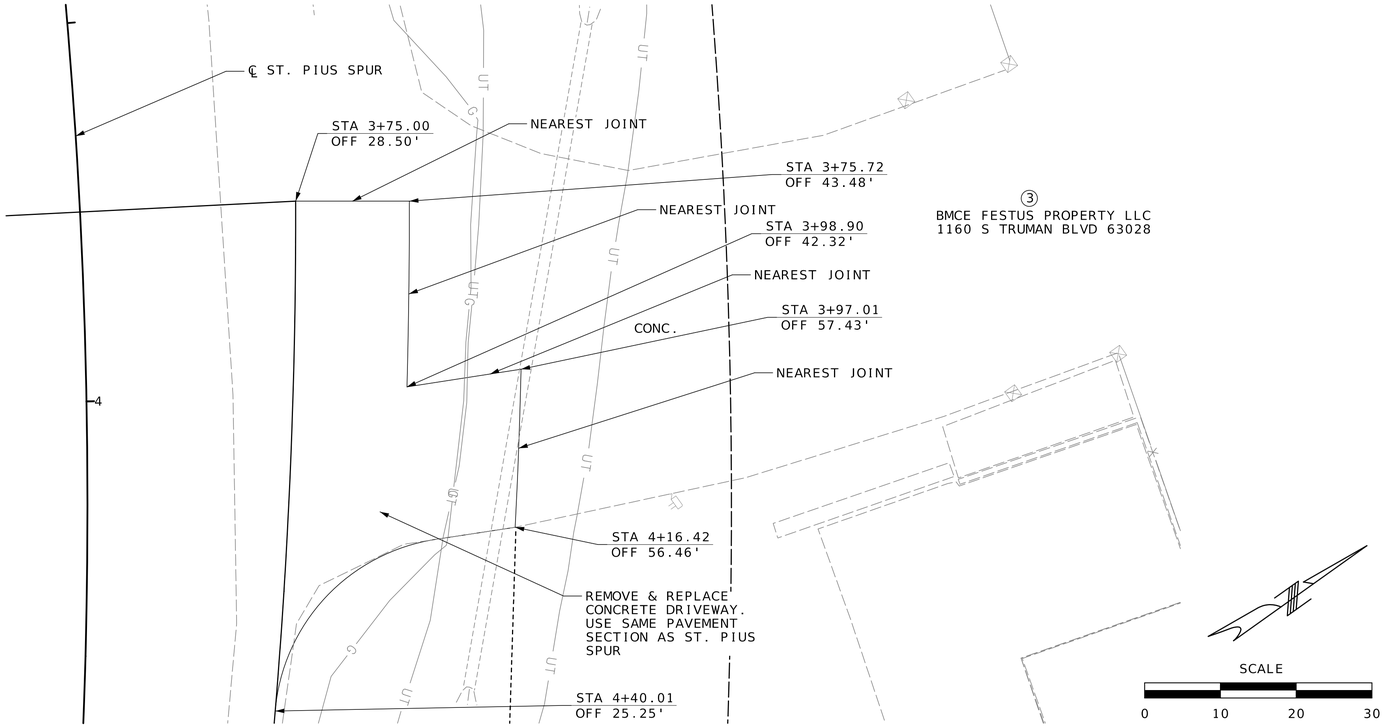
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

CALVARY CHURCH ROAD
RAILROAD CROSSING
USDOT #371199P

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	172

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

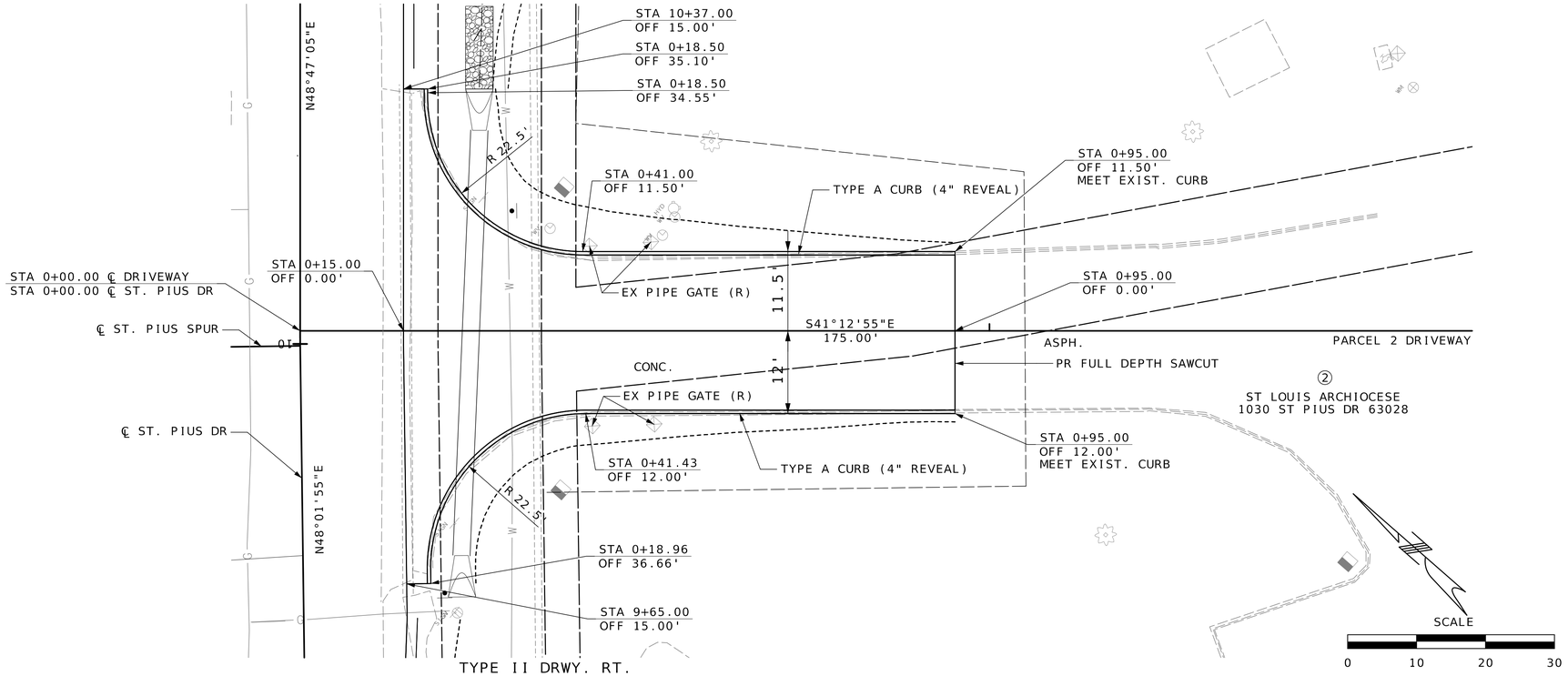
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

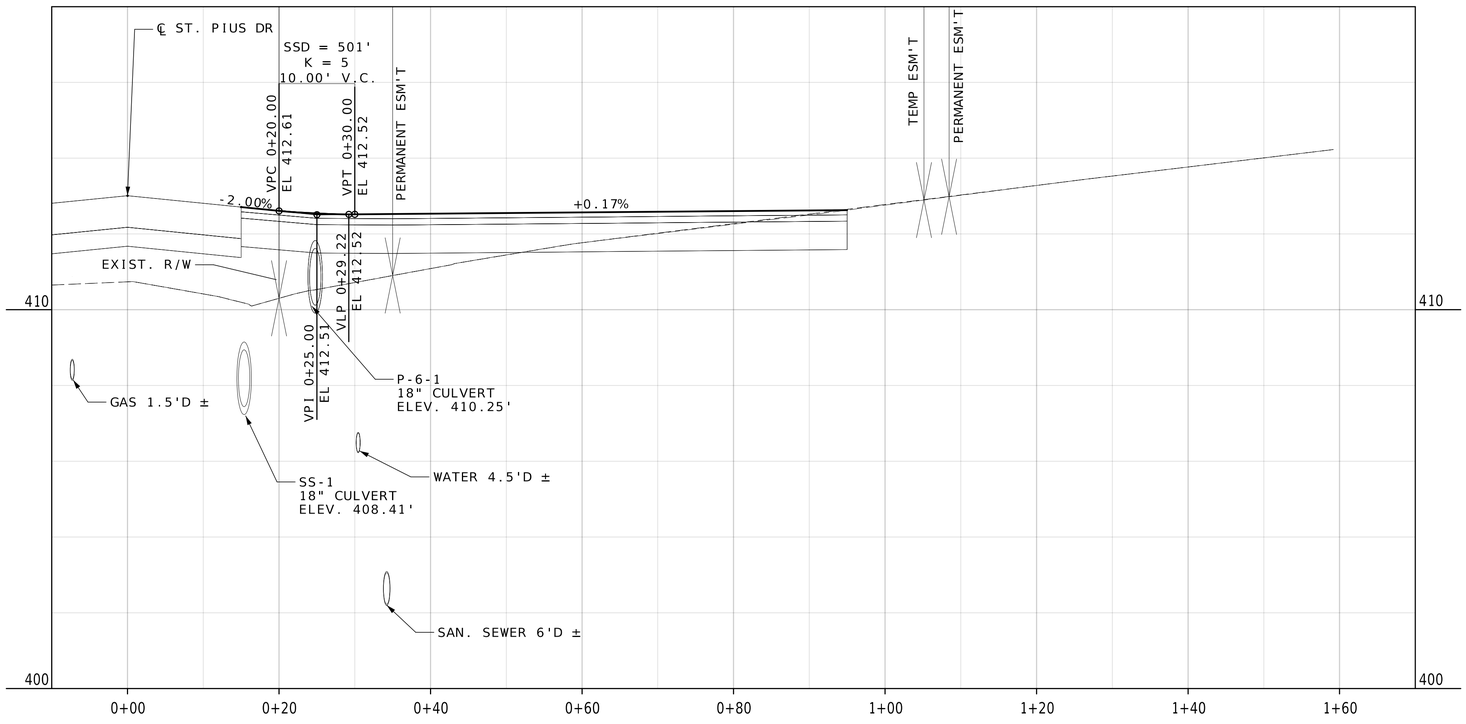
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 1 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE II DRWY. RT.
STA. 10+01.90 (ST. PIUS DR.)



STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 173

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

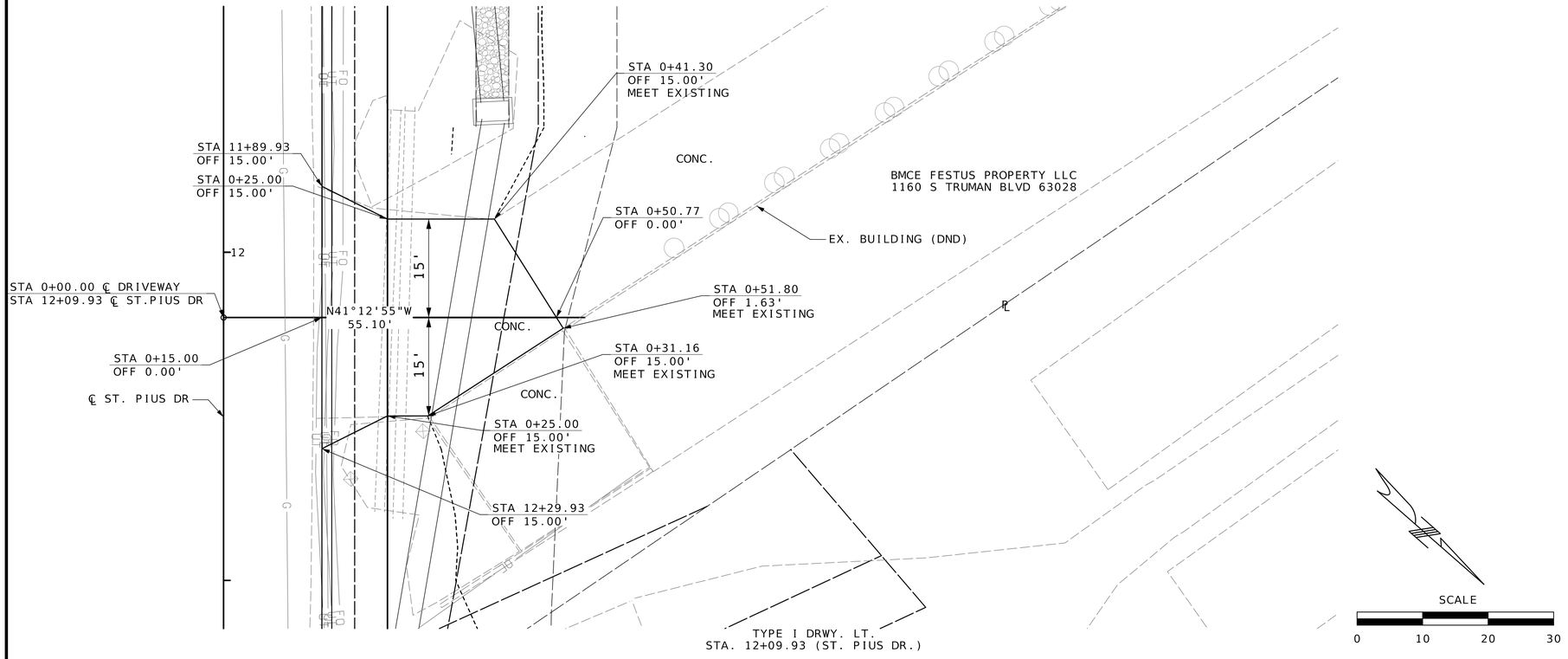
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

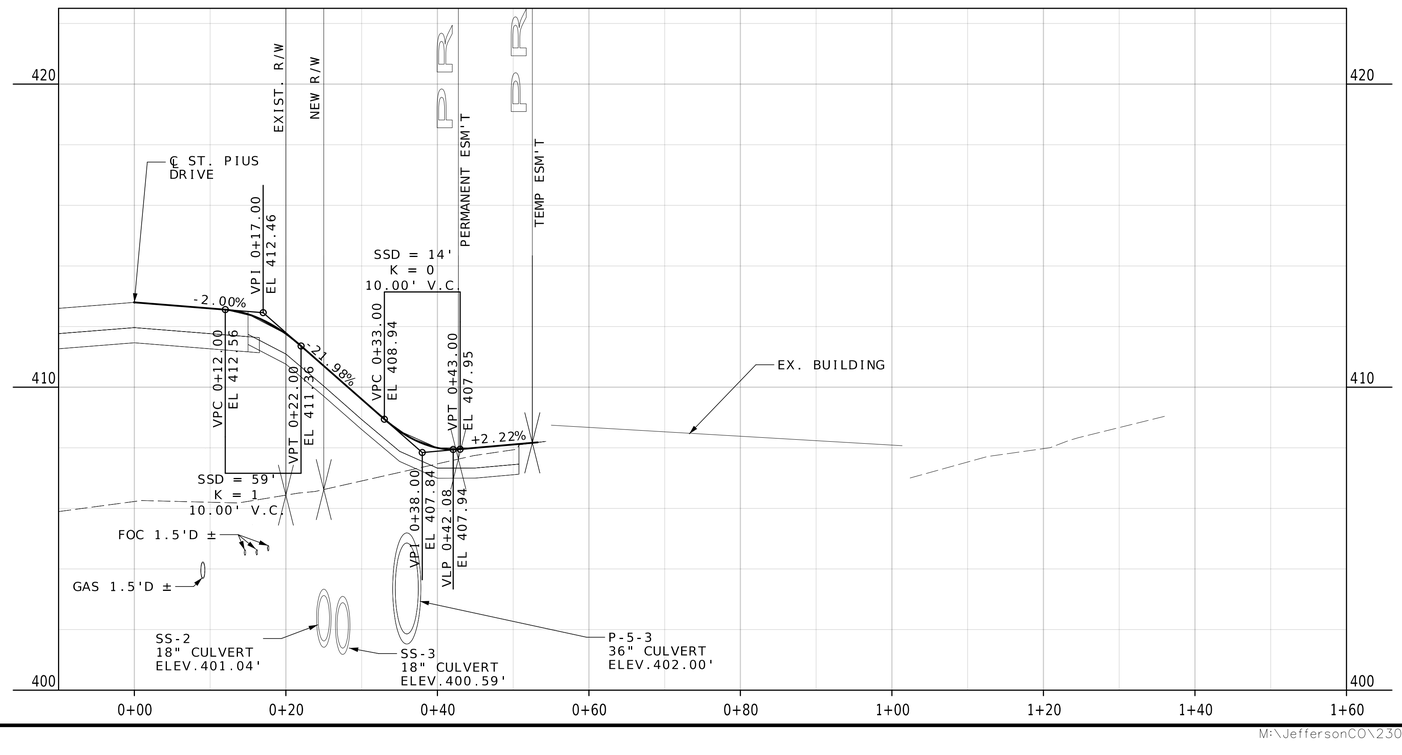
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

DRIVEWAY DETAILS
SHEET 2 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)





TODD EHLEN
NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 174

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

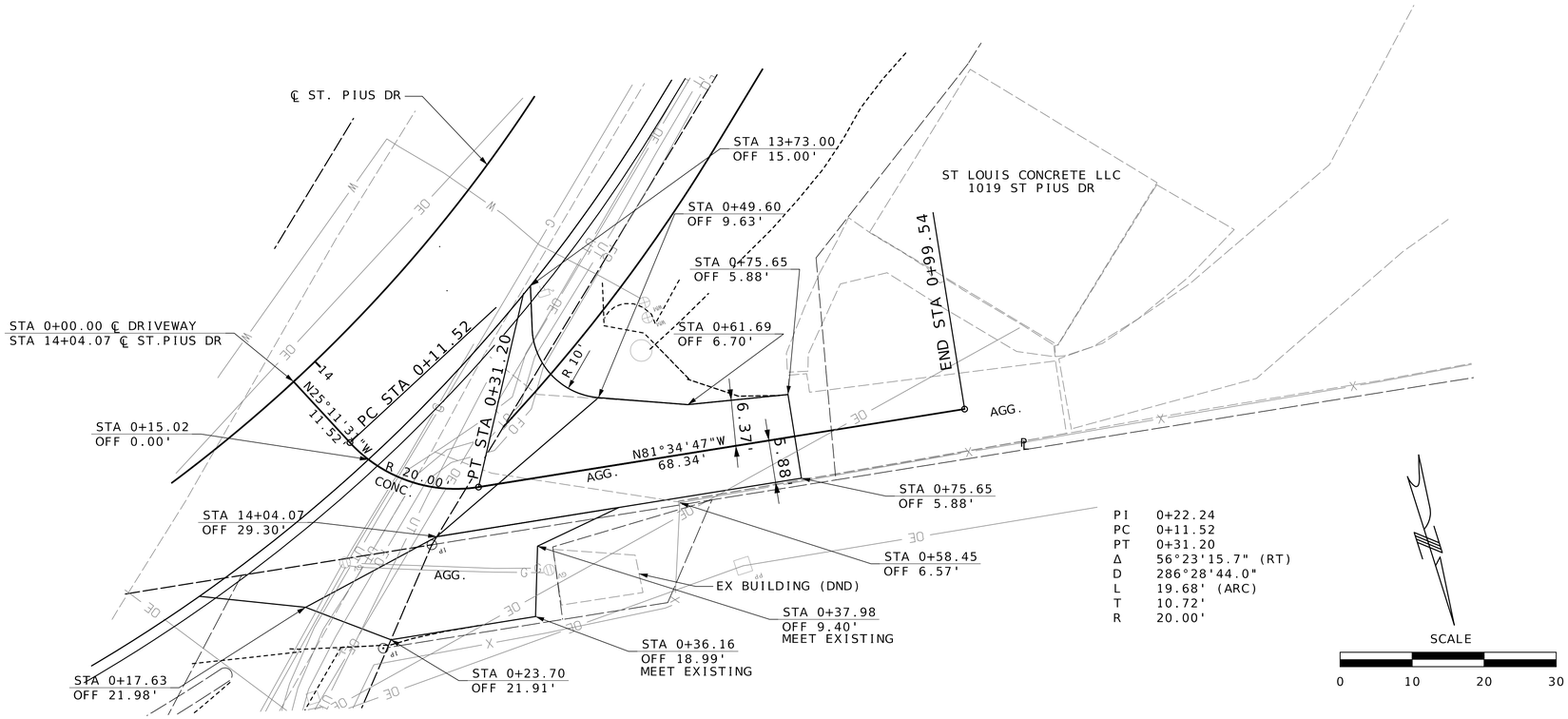
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

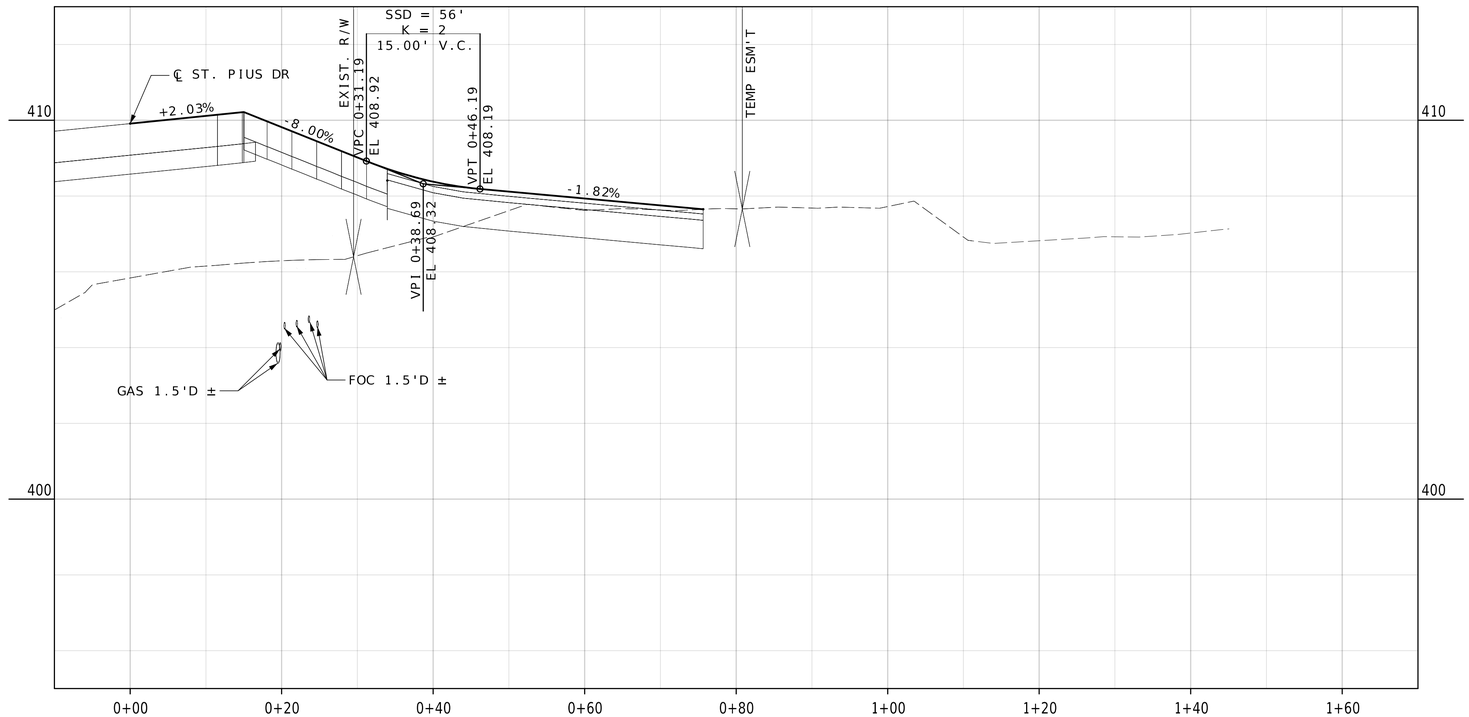
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 3 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE I DRWY. RT.
STA. 14+04.07 (ST. PIUS DR.)



TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 175

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

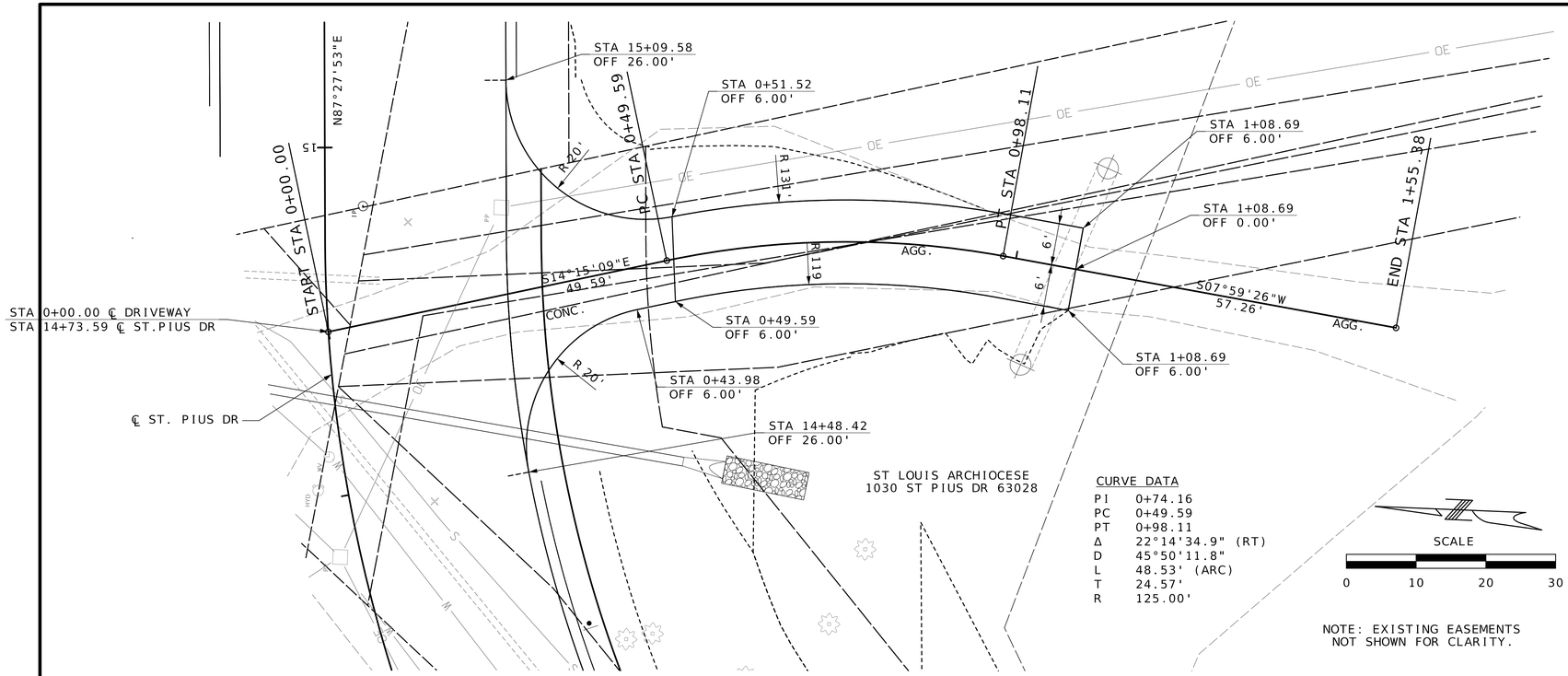
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

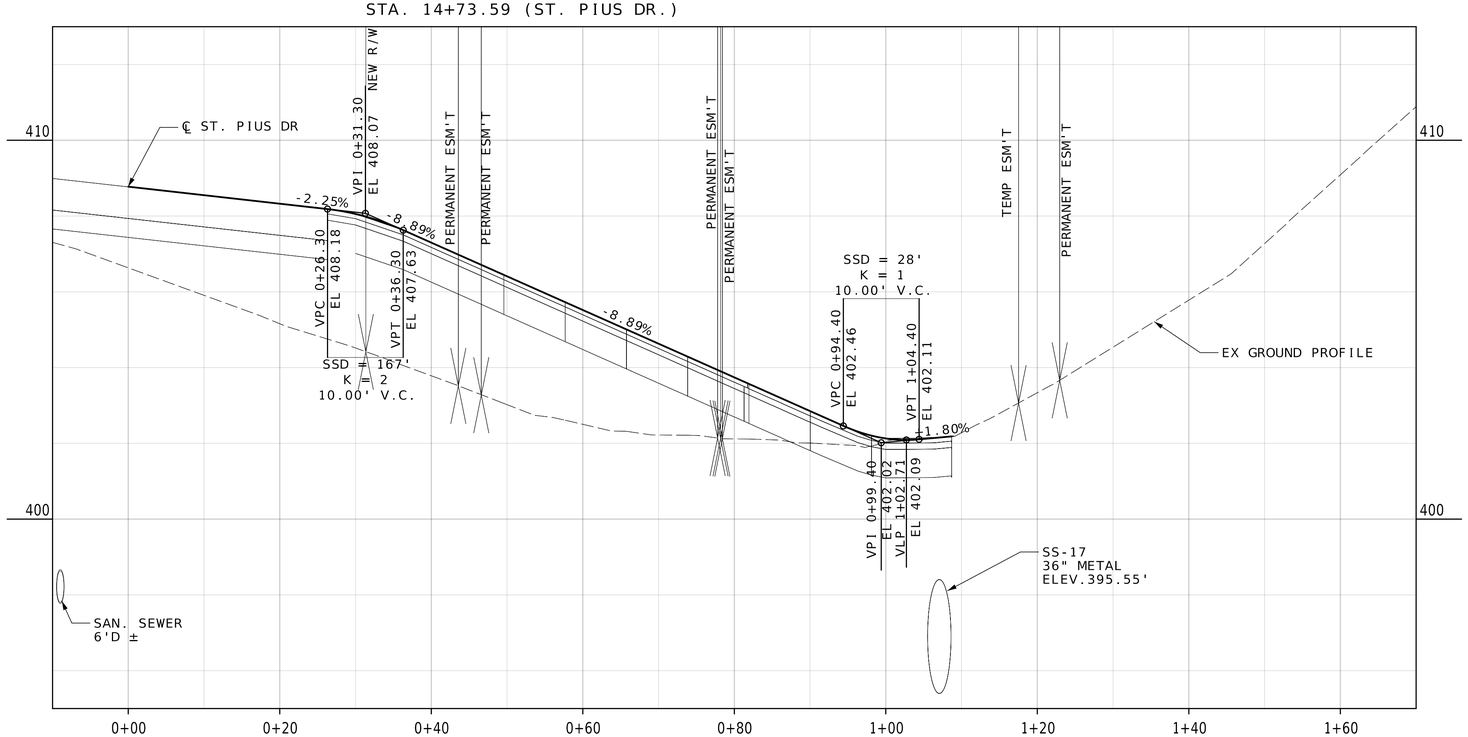
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

DRIVEWAY DETAILS
SHEET 4 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE I DRWY. RT.
STA. 14+73.59 (ST. PIUS DR.)



STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 176

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

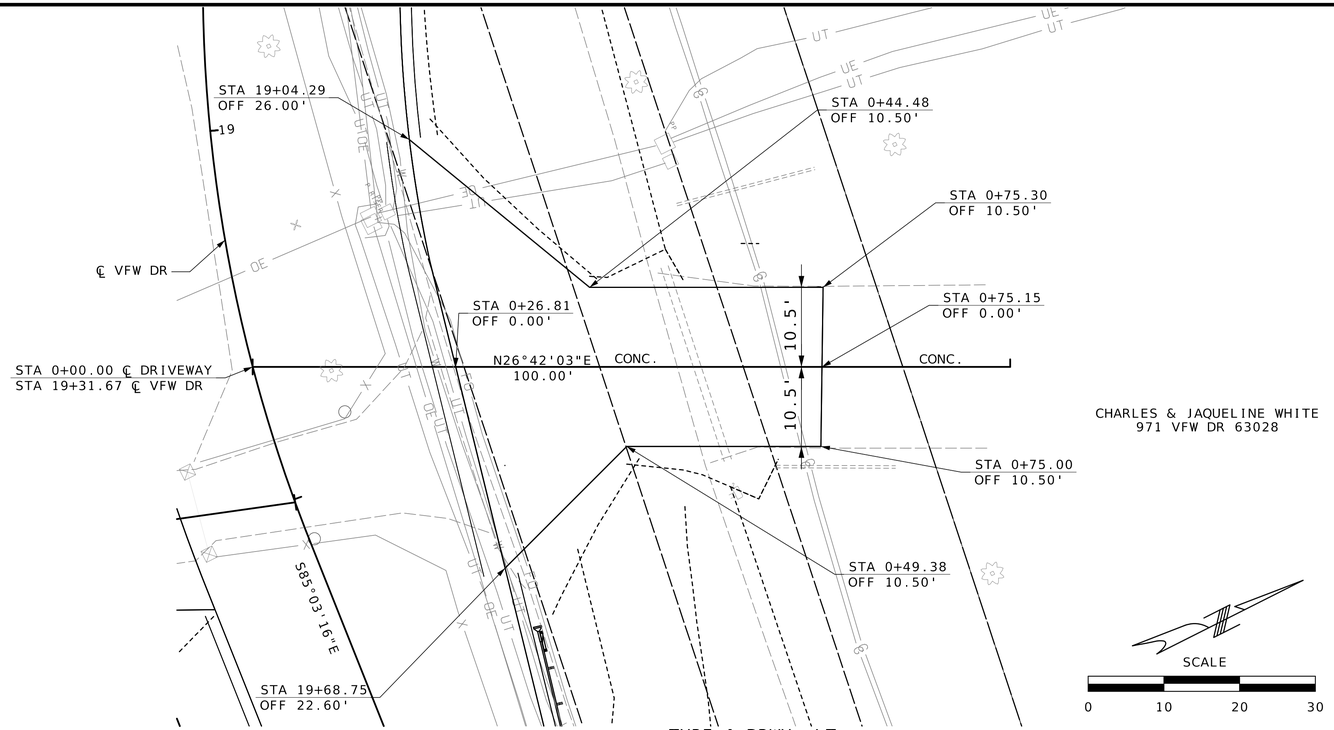
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

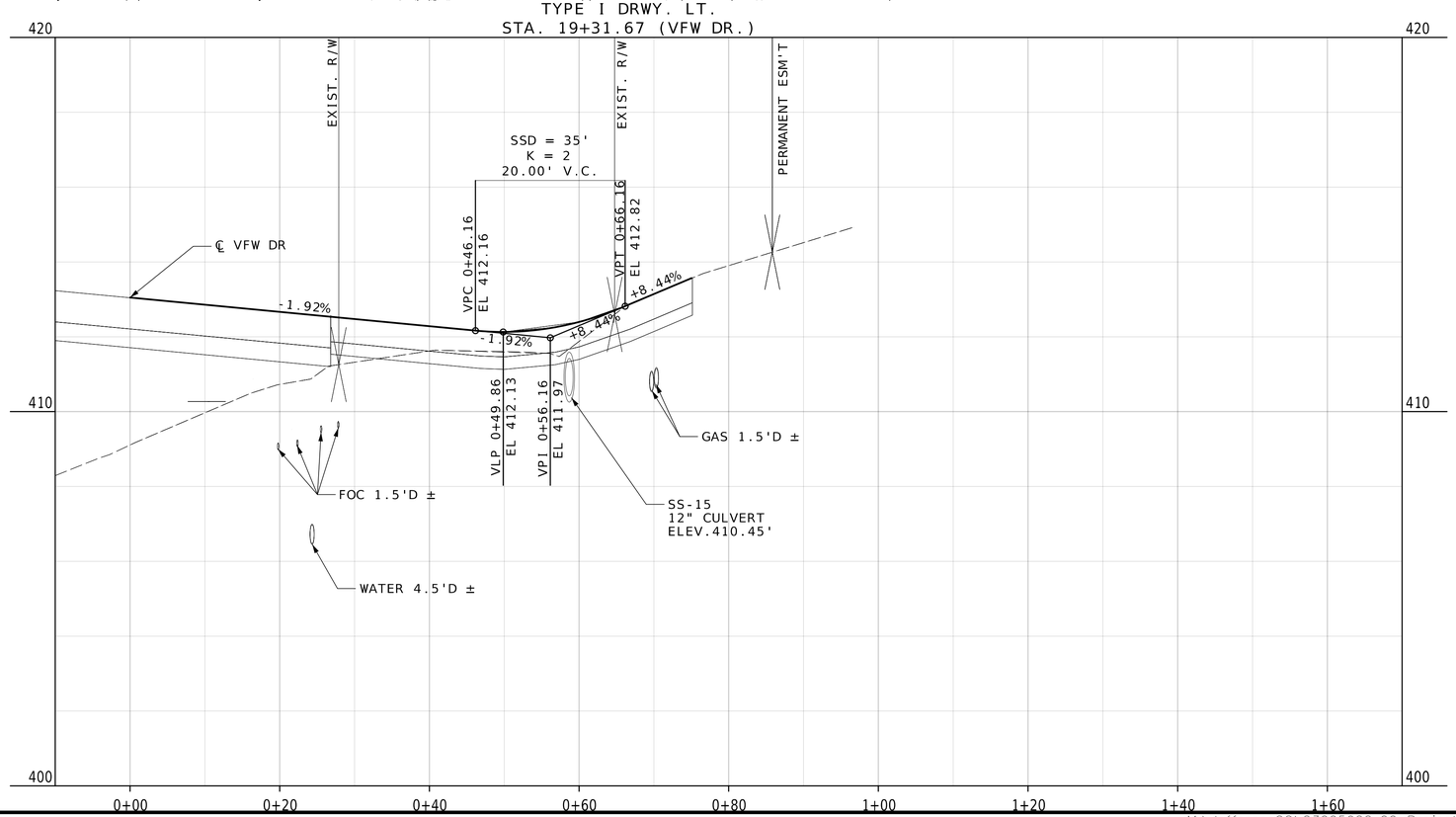
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 5 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_DWP_592200_VFW Driveways.dgn 3:24:20 PM 10/16/2024





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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 177

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

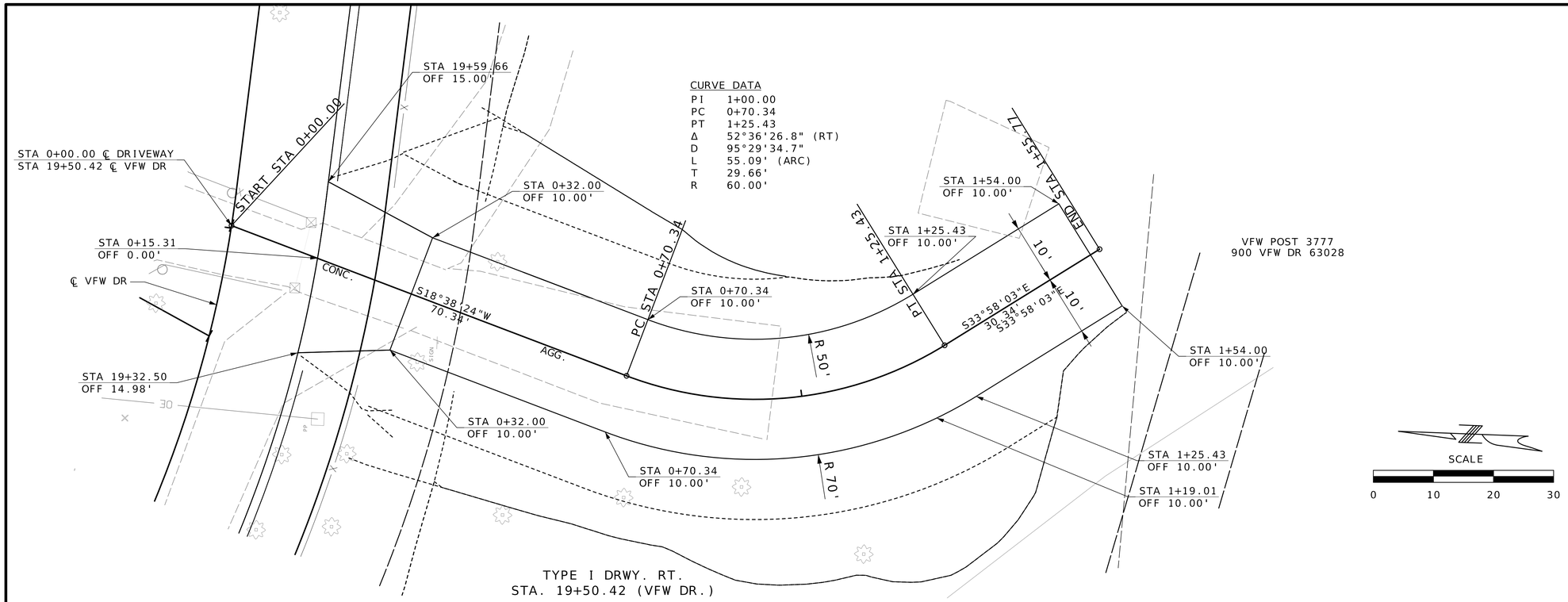
DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

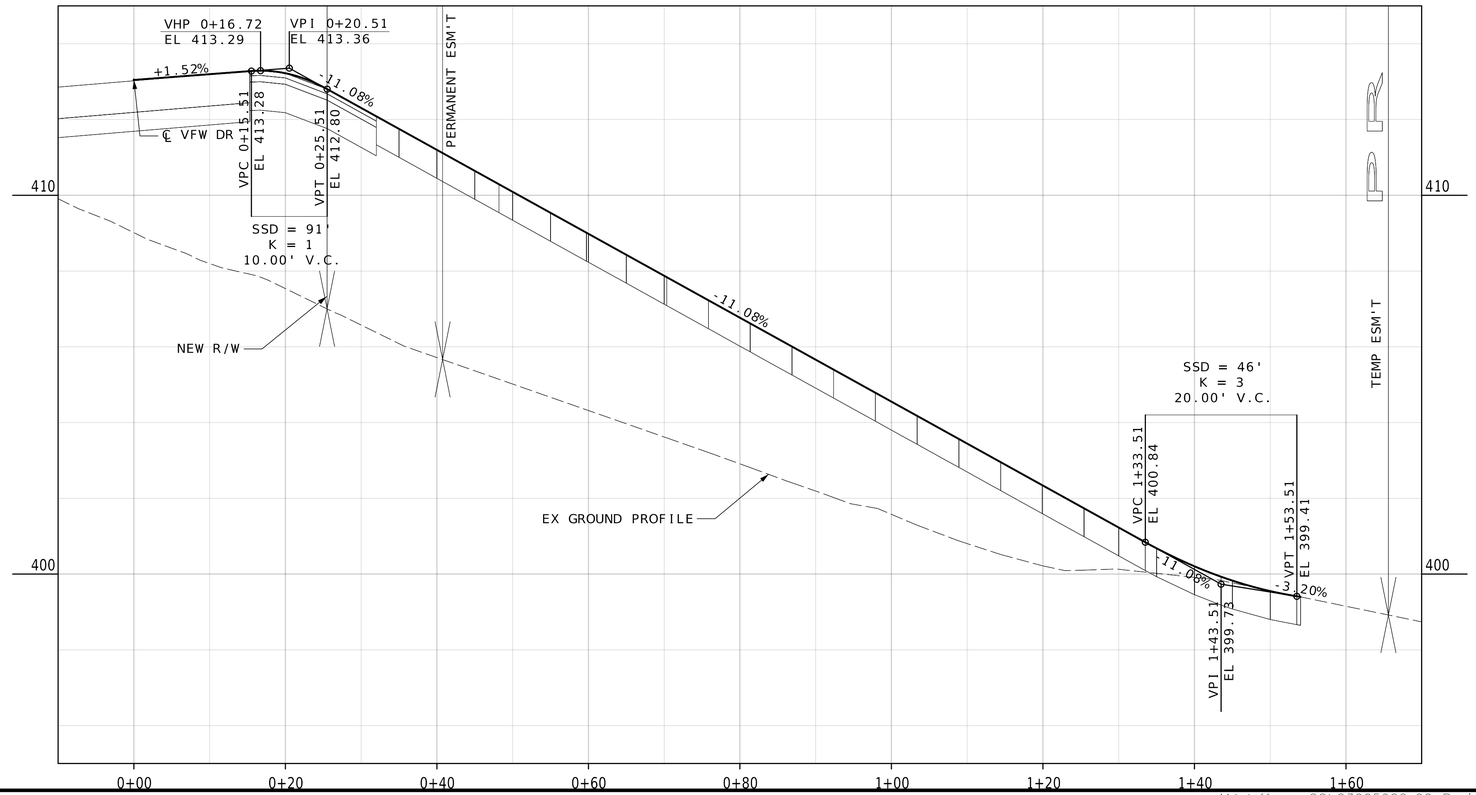
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 6 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE I DRWY. RT.
STA. 19+50.42 (VFW DR.)



TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO
SHEET NO. 178

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

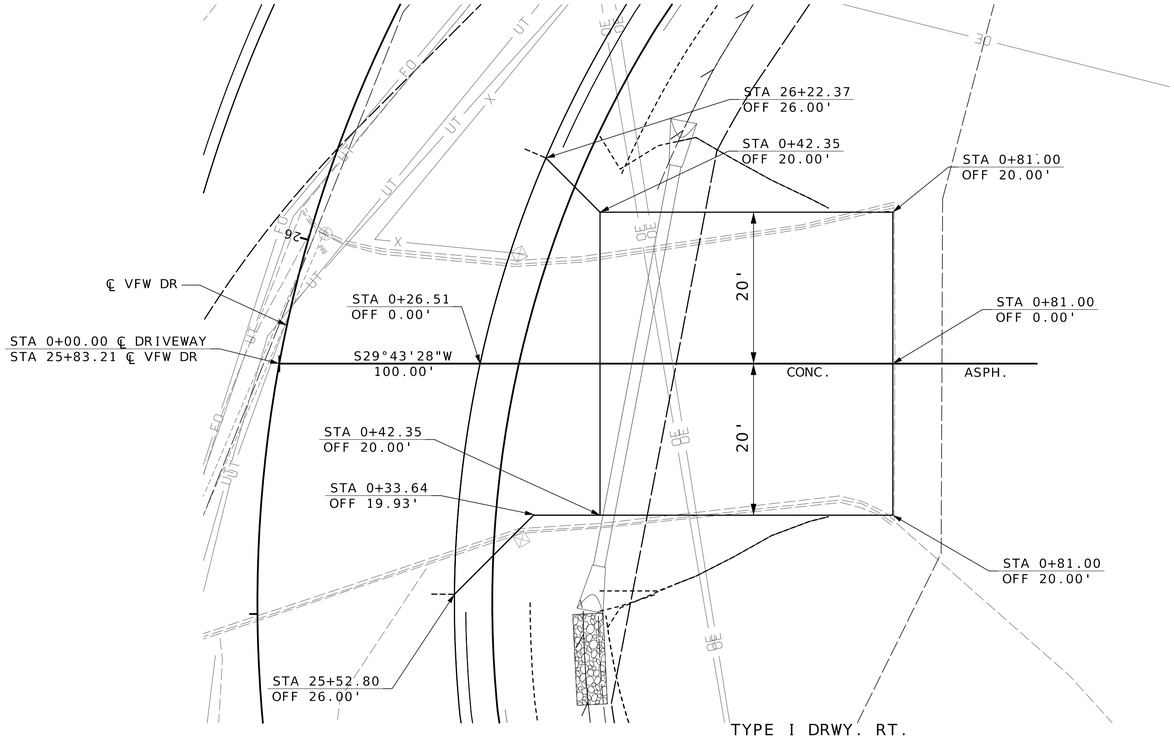
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 7 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

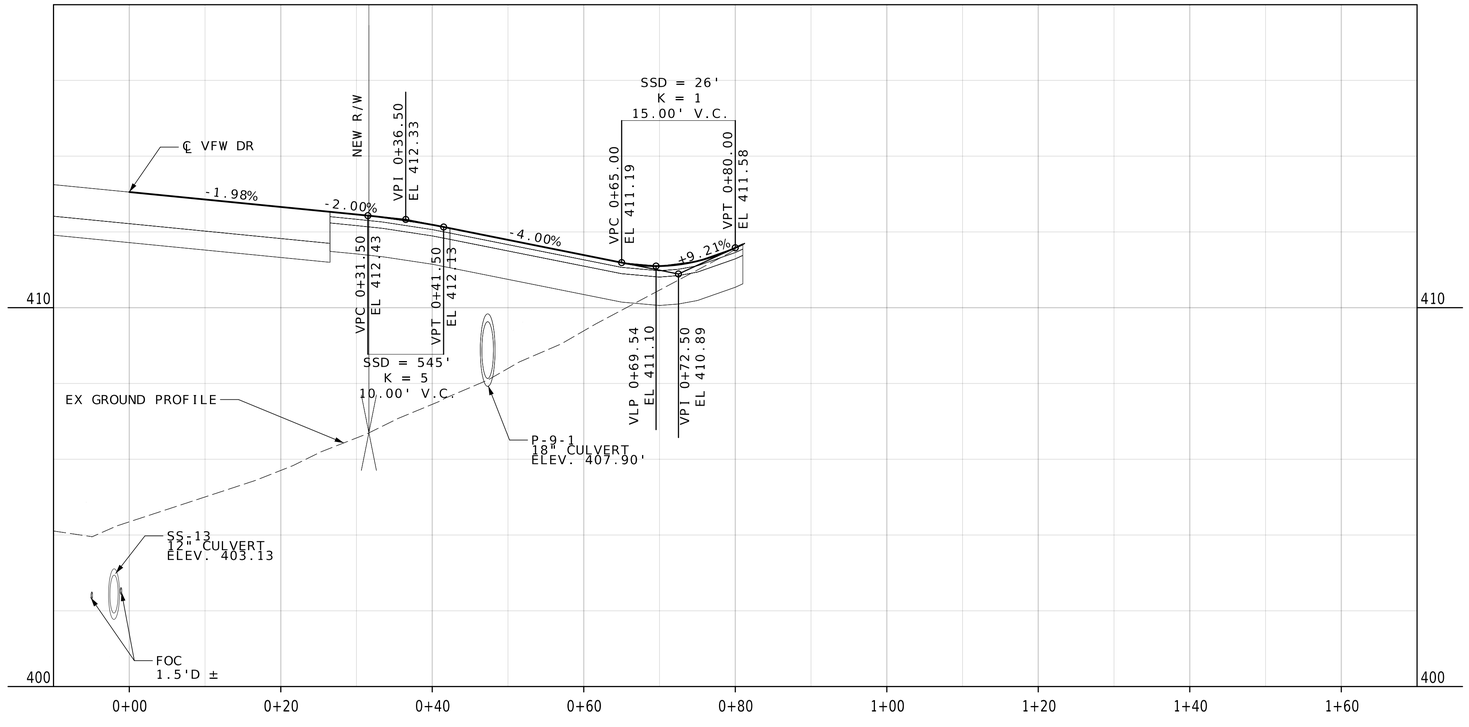
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_DWP_592200_VFW Driveways.dgn 3:24:30 PM 10/16/2024



VFW POST 3777
900 VFW DR 63028

SCALE
0 10 20 30

TYPE I DRWY. RT.
STA. 25+83.21 (VFW DR.)



TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 179

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

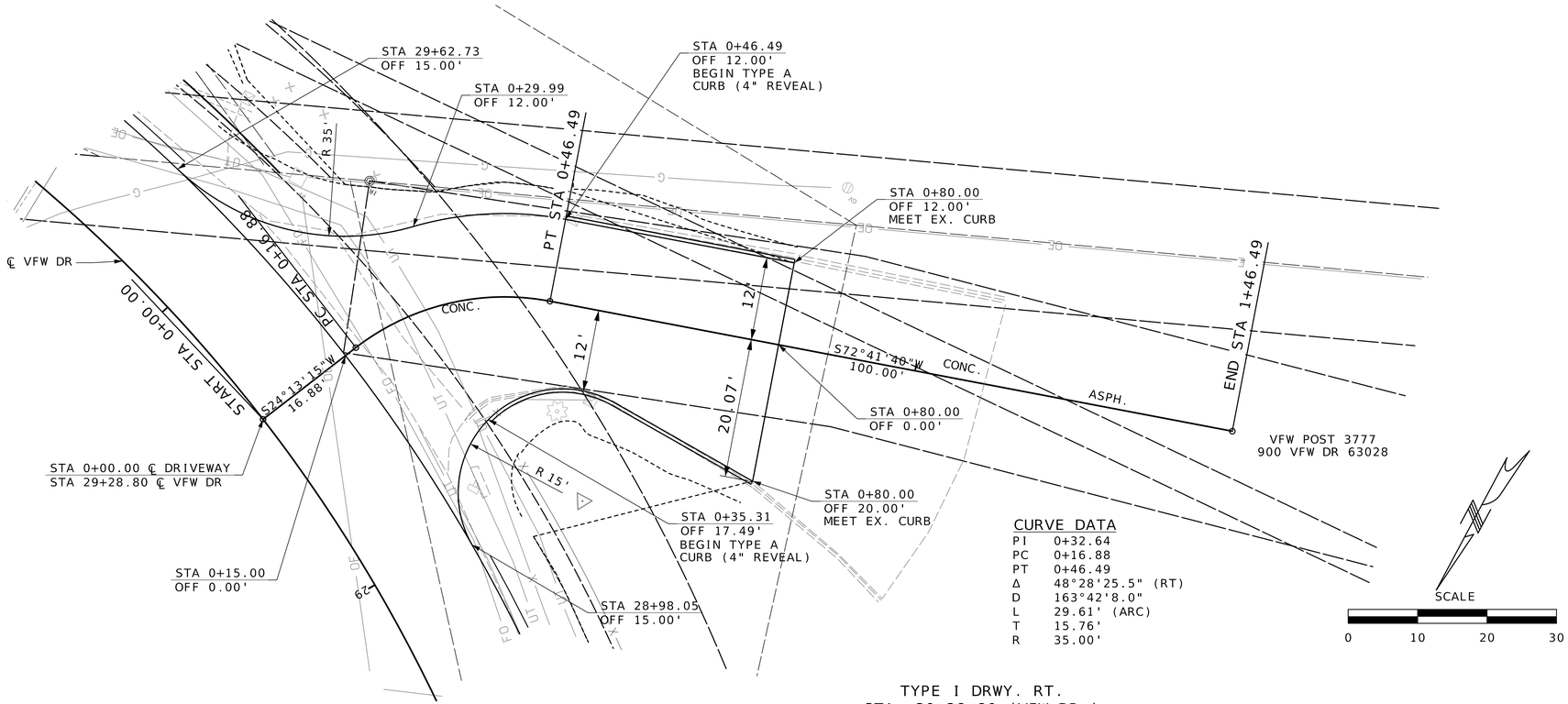
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043 (314) 344-1500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

DRIVEWAY DETAILS
SHEET 8 OF 13

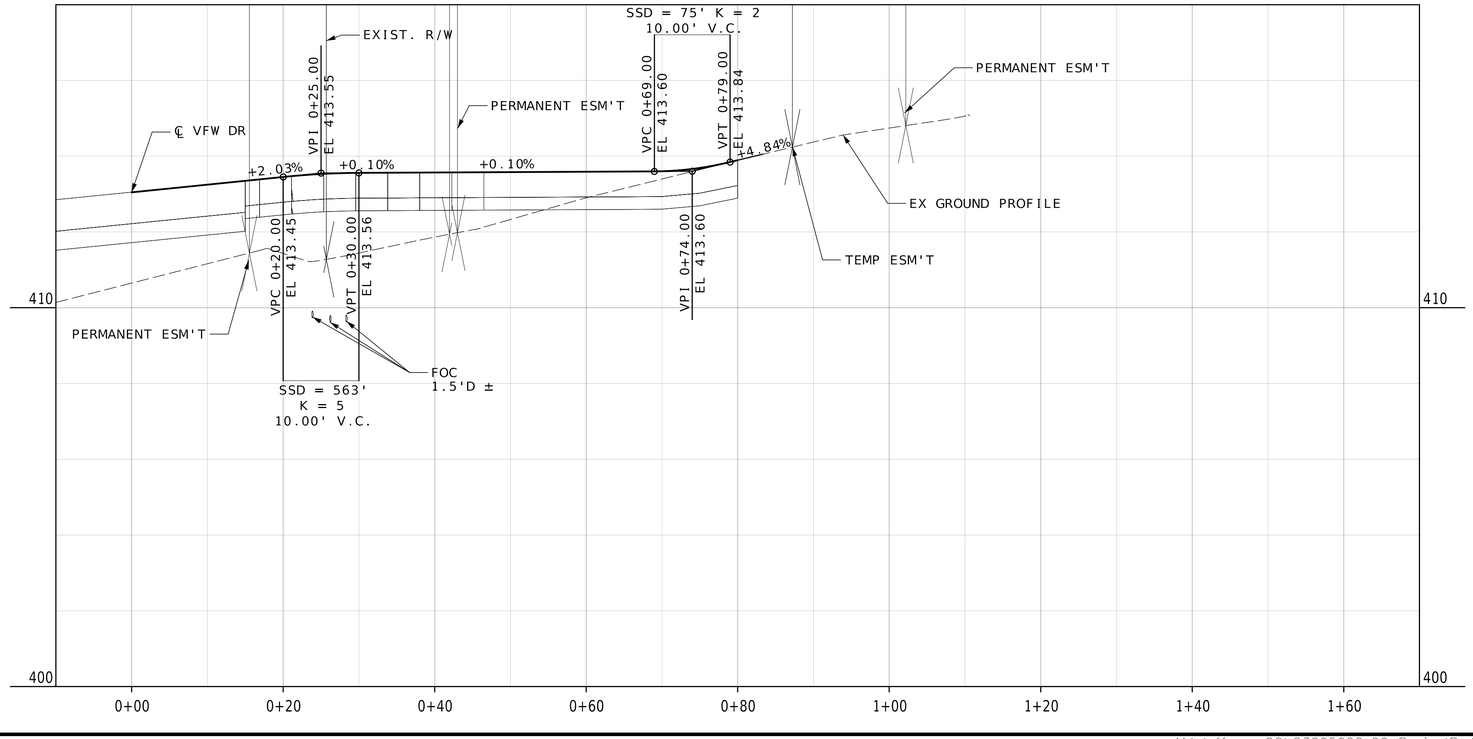
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



CURVE DATA

PI	0+32.64
PC	0+16.88
PT	0+46.49
Δ	48°28'25.5" (RT)
D	163°42'8.0"
L	29.61' (ARC)
T	15.76'
R	35.00'

TYPE I DRWY. RT.
STA. 29+28.80 (VFW DR.)



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 180

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

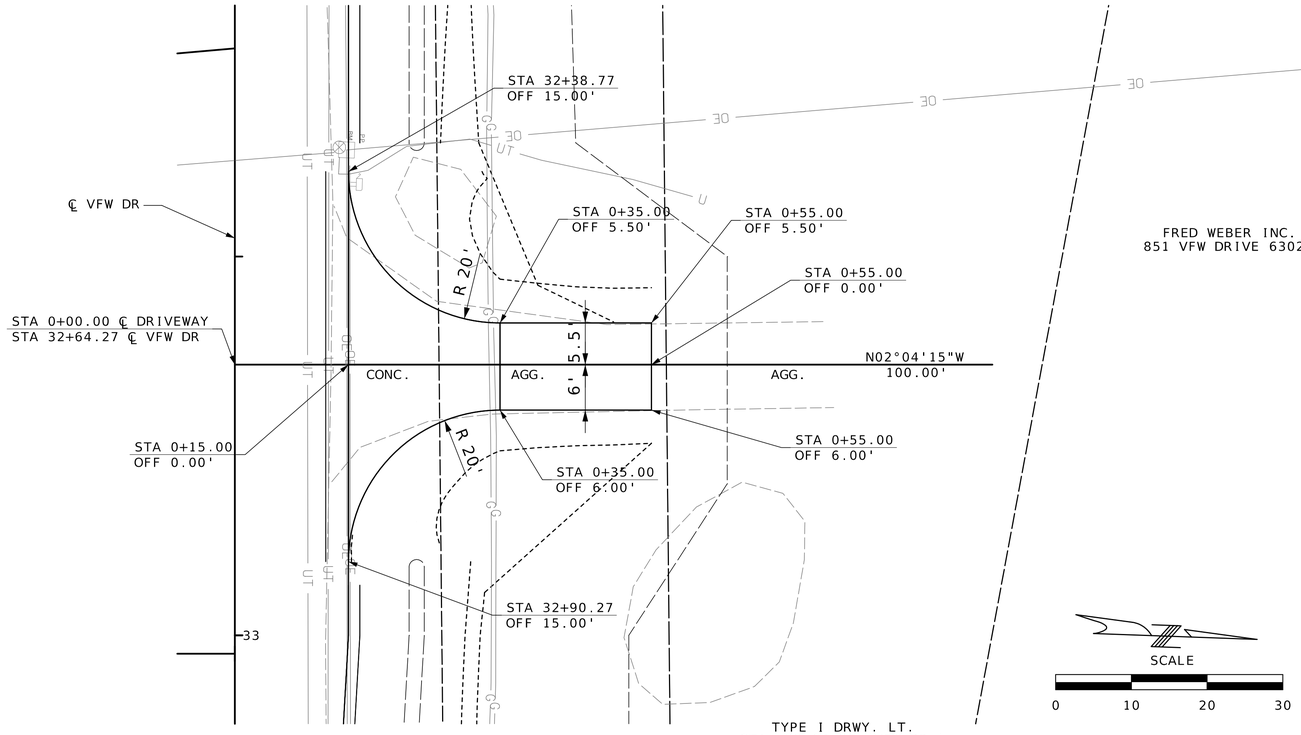
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

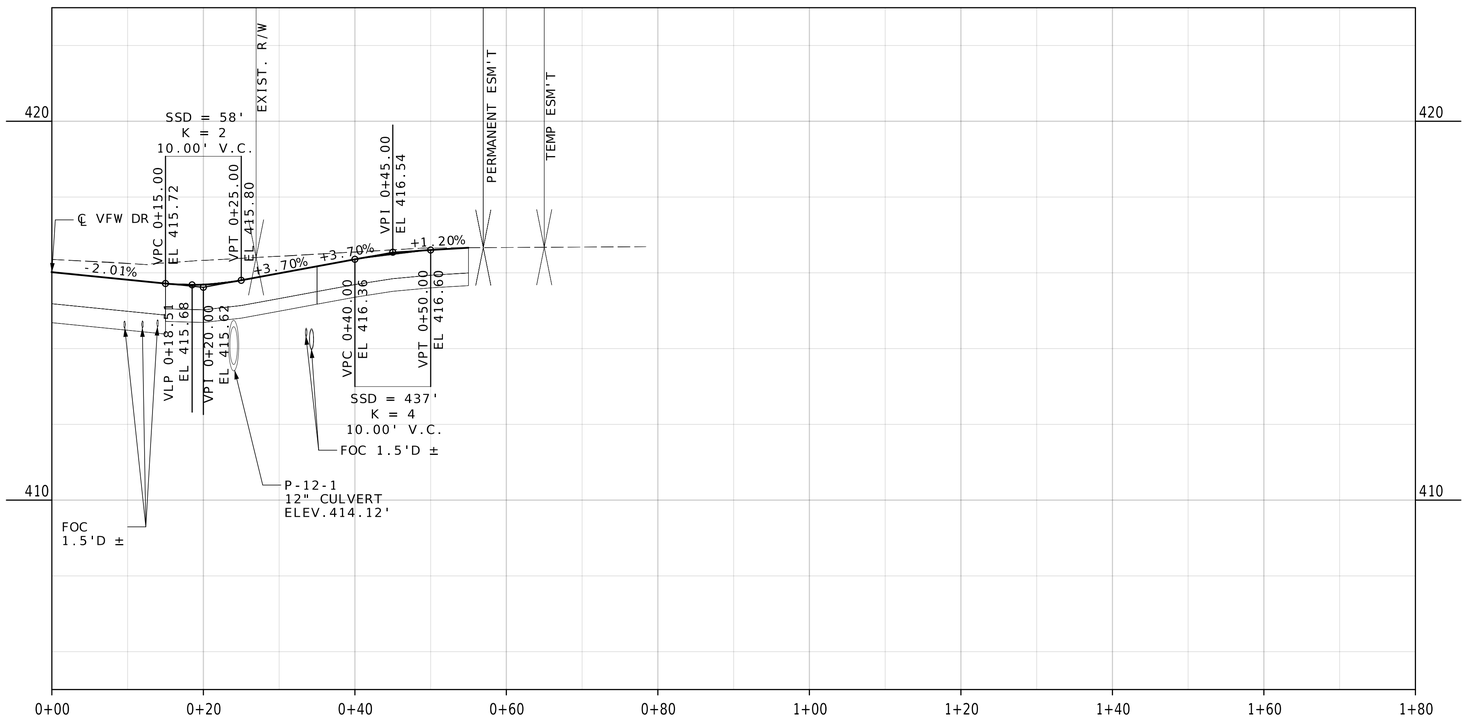
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102-2430 (314) 436-3500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 9 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE I DRWY. LT.
STA. 32+64.27 (VFW DR.)



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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 181

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

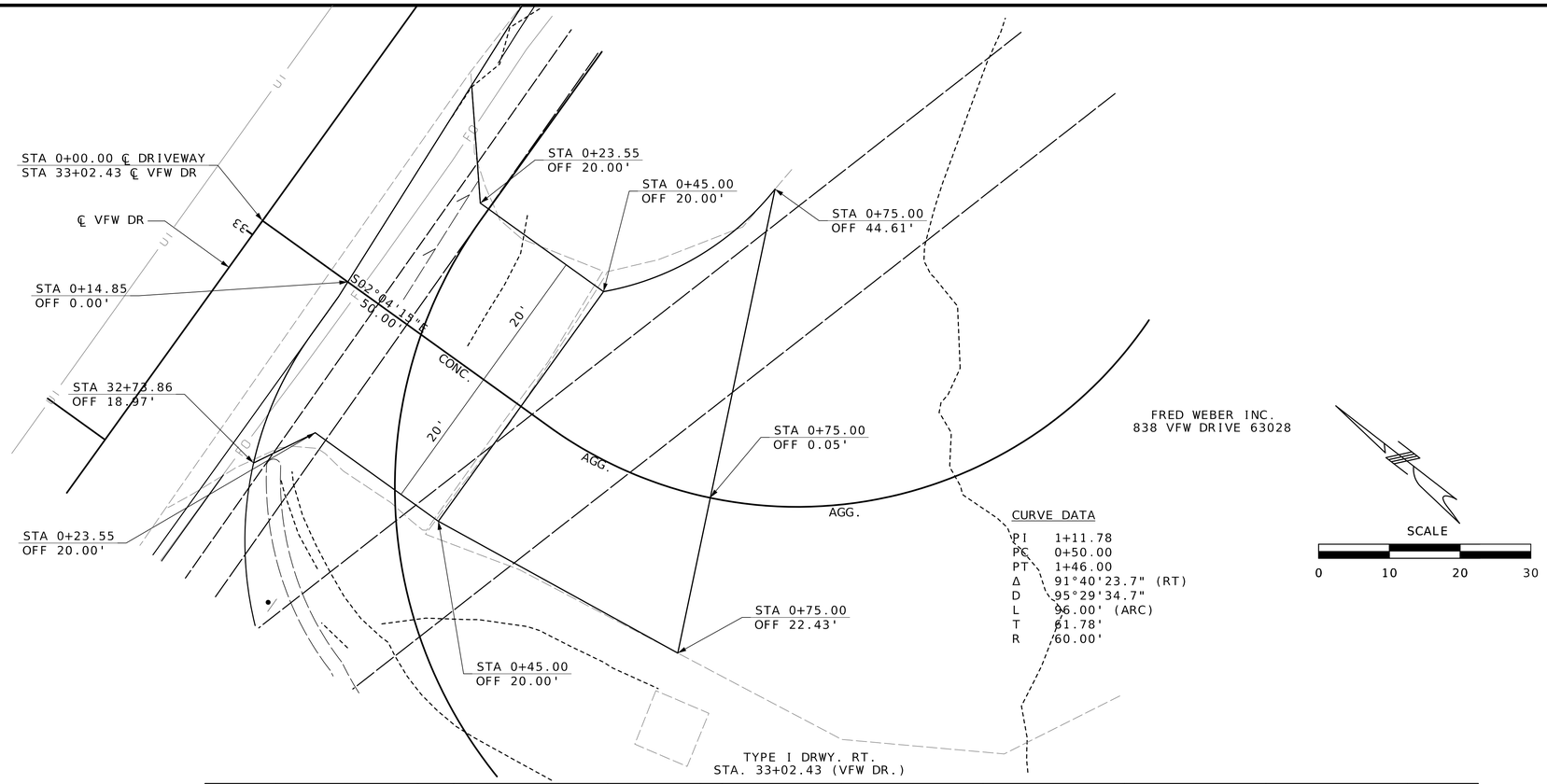
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

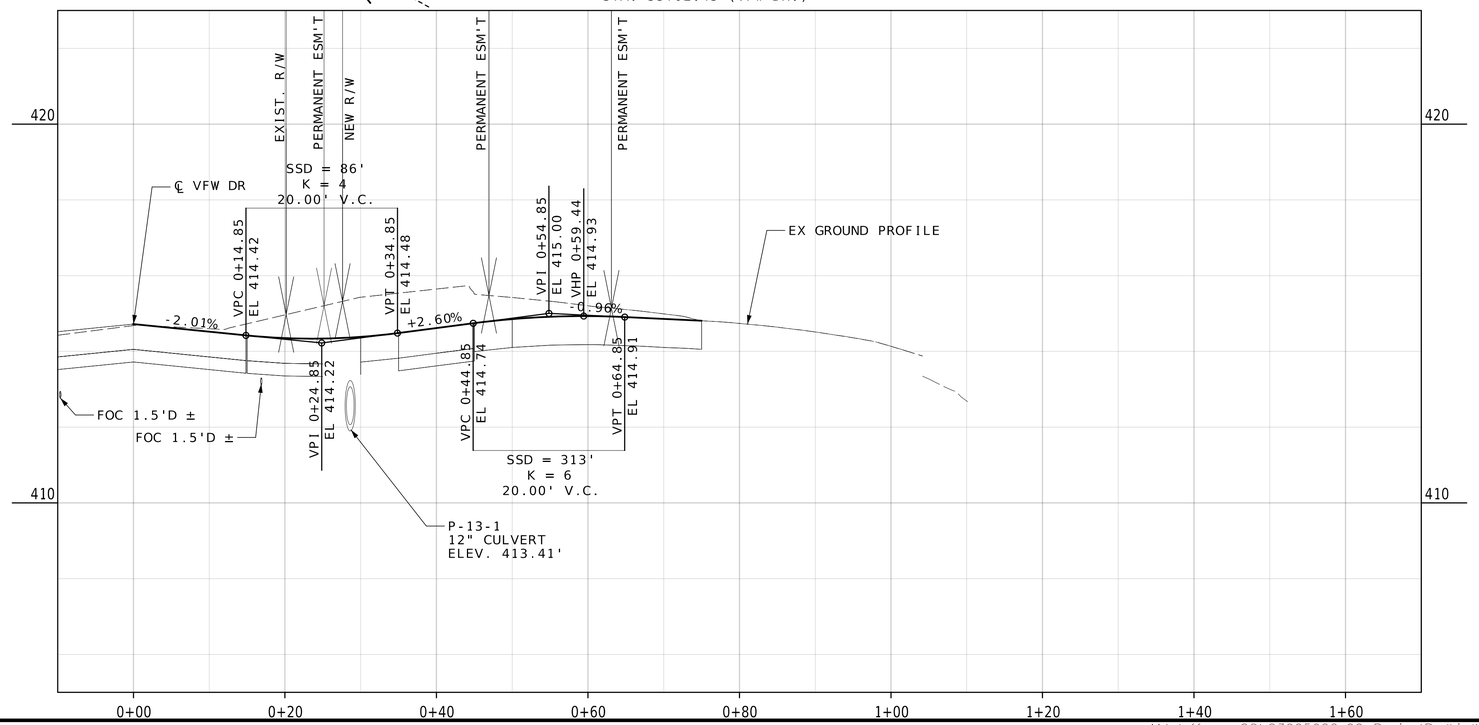
CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

DRIVEWAY DETAILS
SHEET 10 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)





STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 182

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

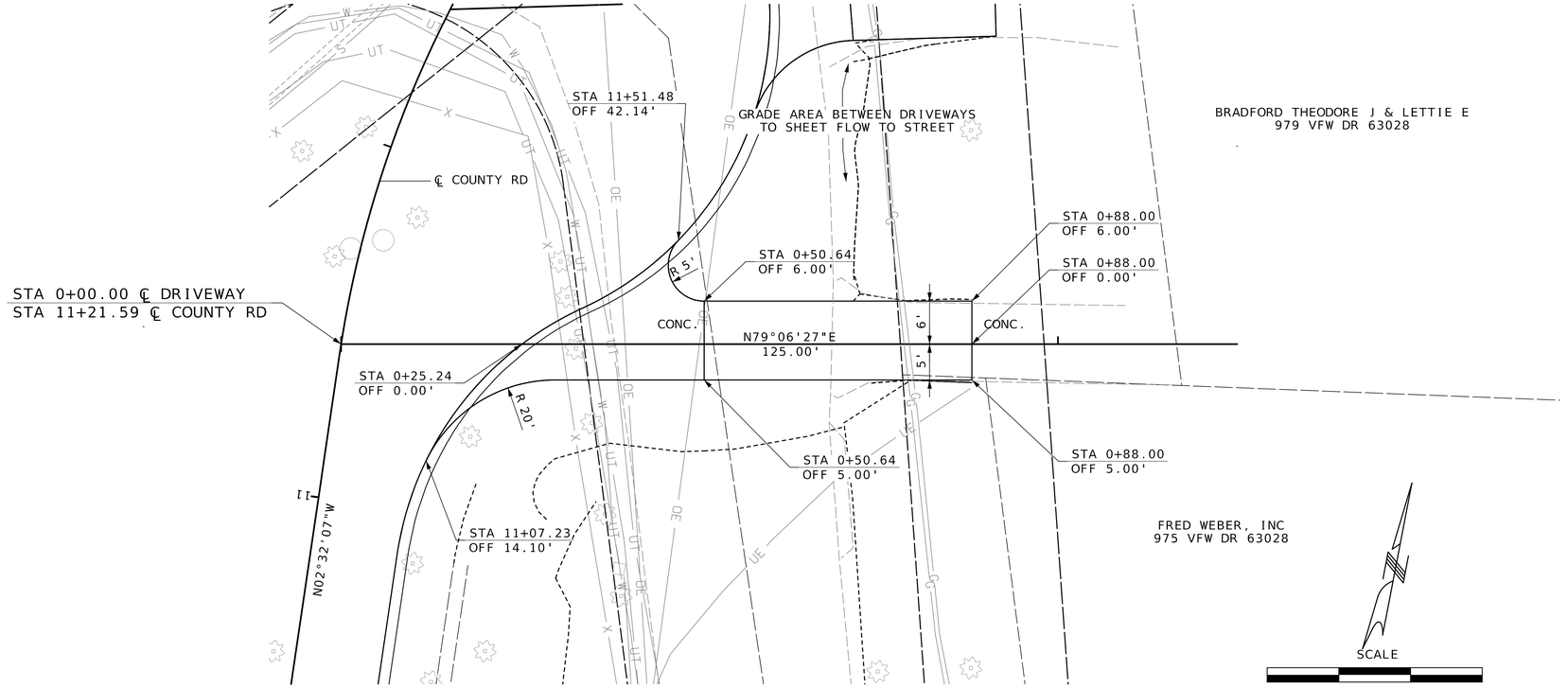
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

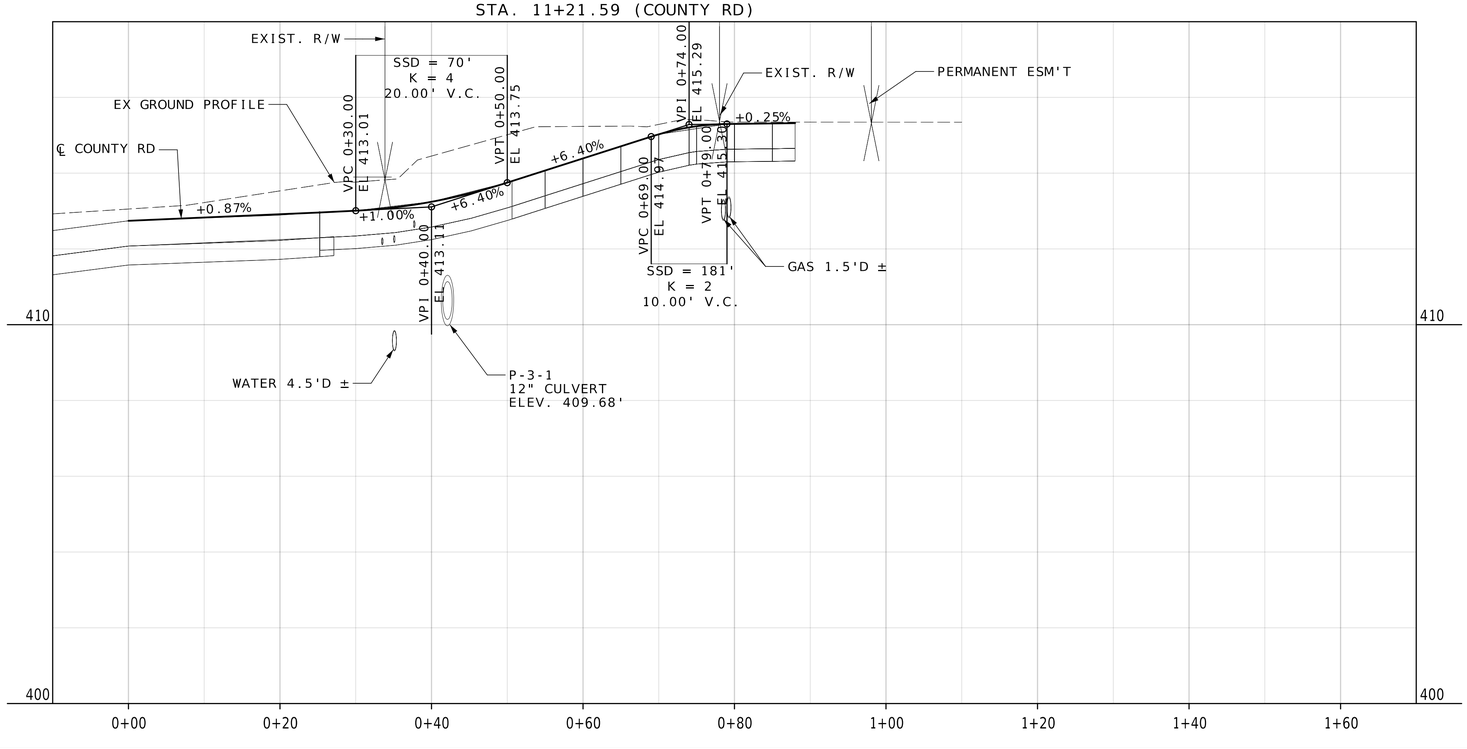
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.255.3500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 11 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



TYPE I DRWY. RT.
STA. 11+21.59 (COUNTY RD)



TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 183

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

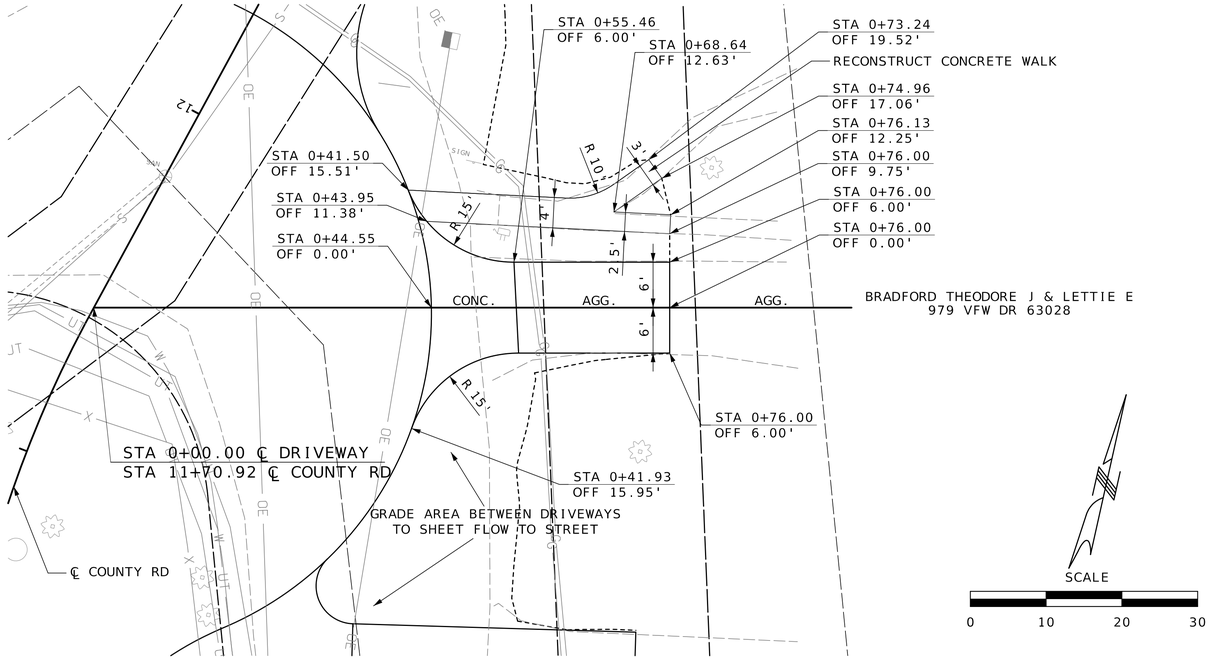
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

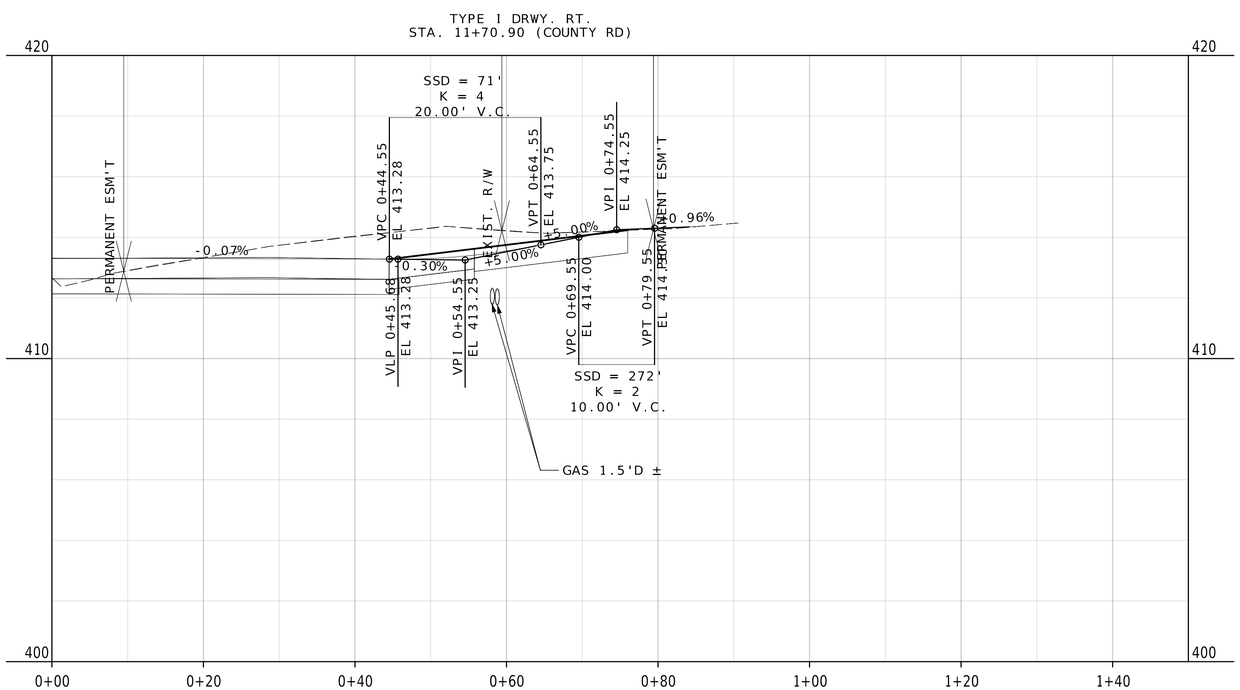
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stanley Consultants, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

DRIVEWAY DETAILS
SHEET 12 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)





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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	184

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

DRIVEWAY DETAILS
SHEET 13 OF 13

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

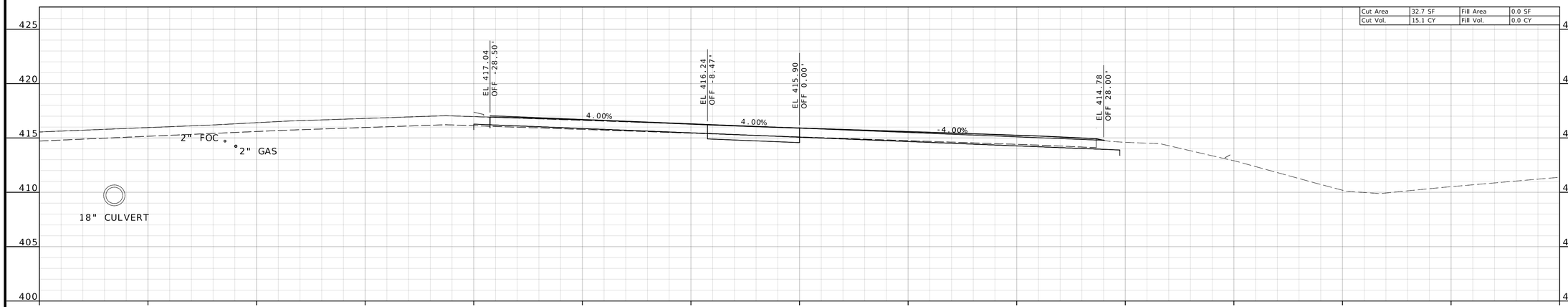
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

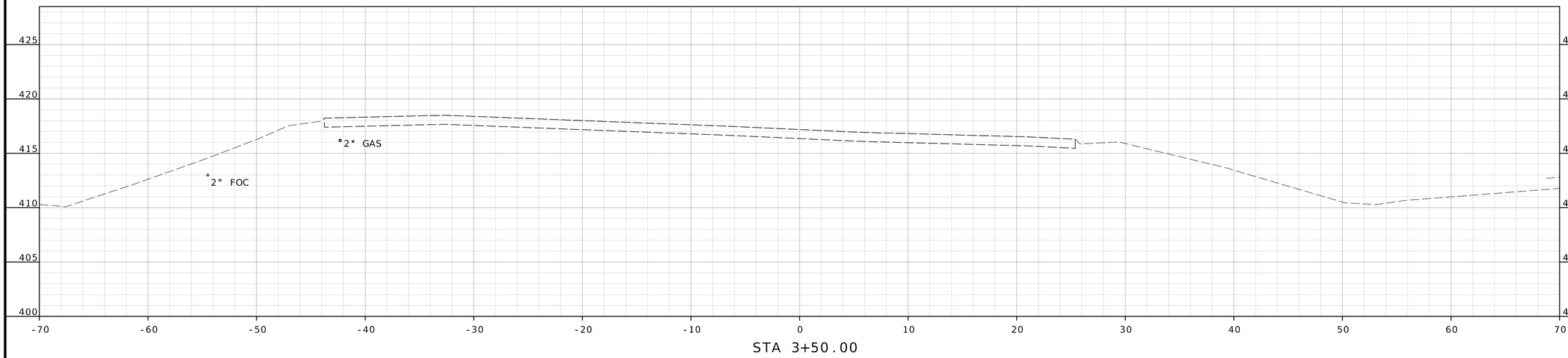
ST. PIUS SPUR

Cut Area	32.7 SF	Fill Area	0.0 SF
Cut Vol.	15.1 CY	Fill Vol.	0.0 CY



STA 3+75.00

ST. PIUS SPUR



STA 3+50.00

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI

10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 1

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 1 OF 4

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\08_XS_592200_StPiuss.dgn 5:09:52 PM 10/16/2024

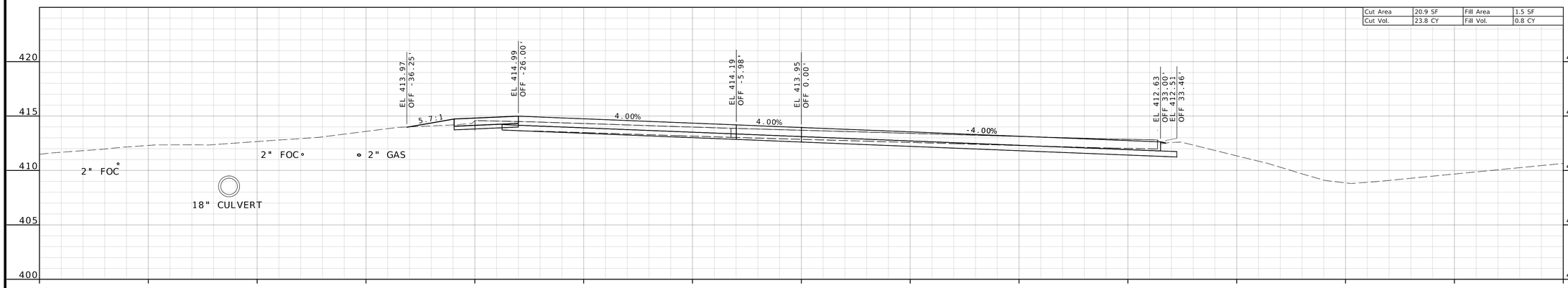
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS SPUR

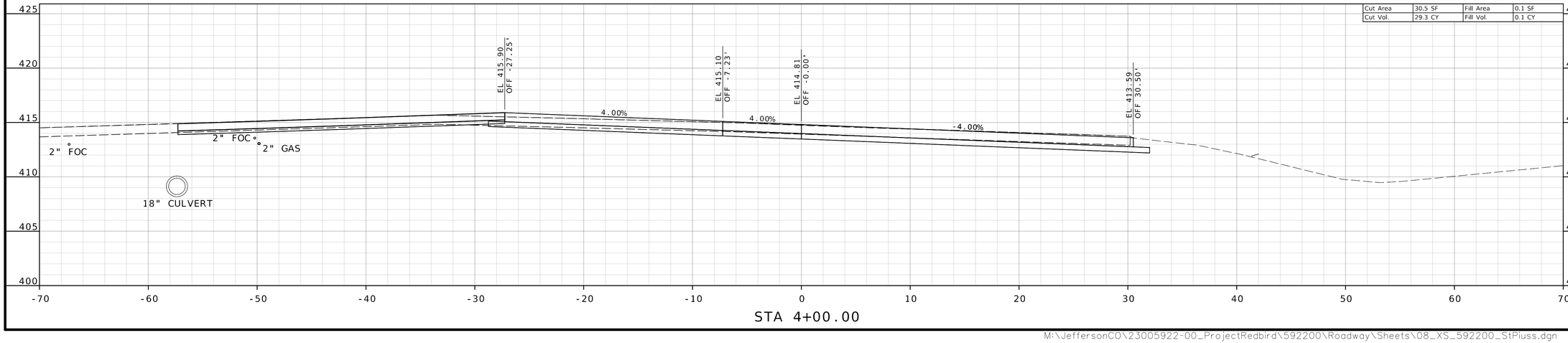
Cut Area	20.9 SF	Fill Area	1.5 SF
Cut Vol.	23.8 CY	Fill Vol.	0.8 CY



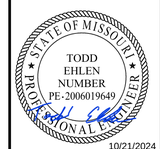
STA 4+25.00

ST. PIUS SPUR

Cut Area	30.5 SF	Fill Area	0.1 SF
Cut Vol.	29.3 CY	Fill Vol.	0.1 CY



STA 4+00.00



10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	2

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

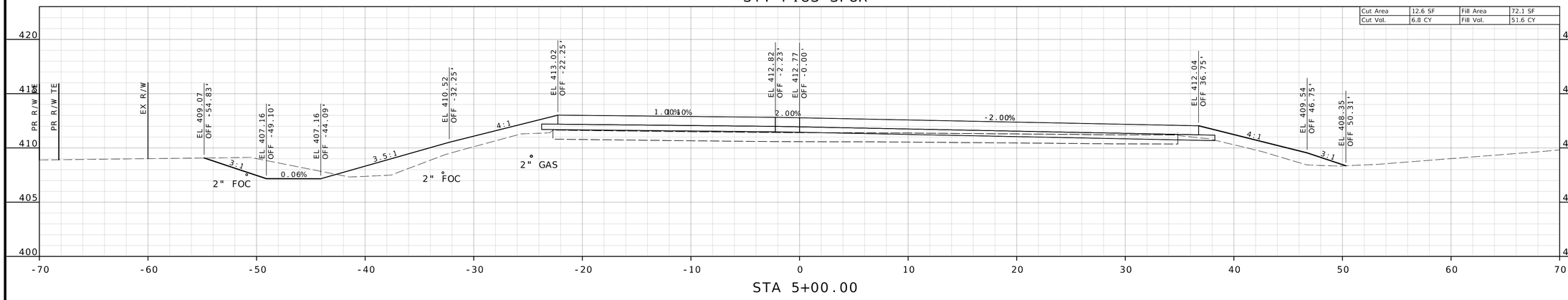
CROSS SECTION
SHEET 2 OF 4

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

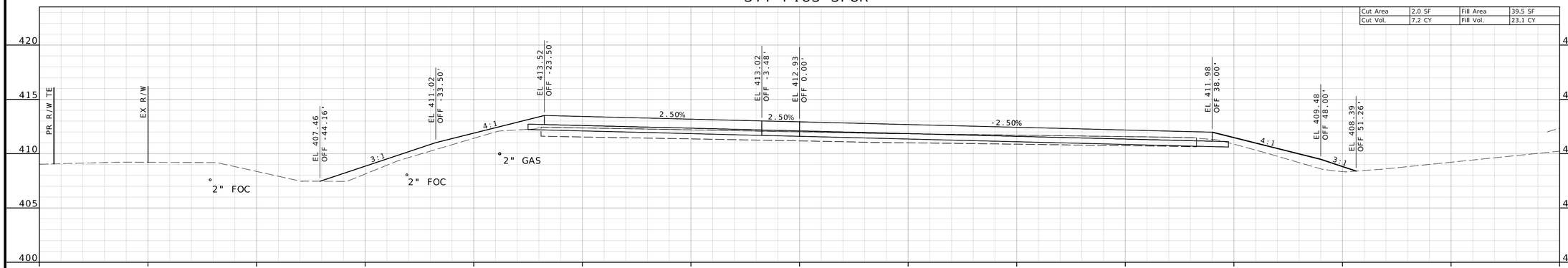
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS SPUR



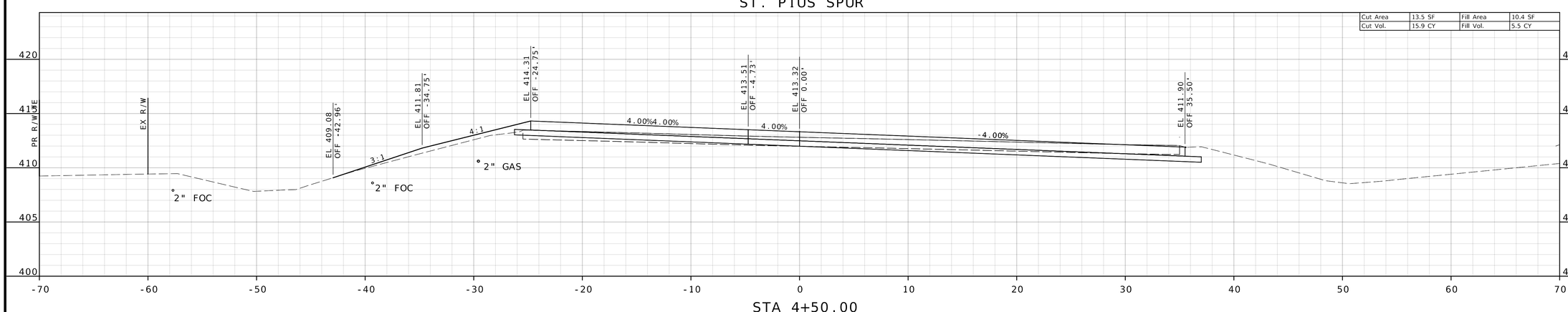
STA 5+00.00

ST. PIUS SPUR



STA 4+75.00

ST. PIUS SPUR



STA 4+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	3

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT Inc

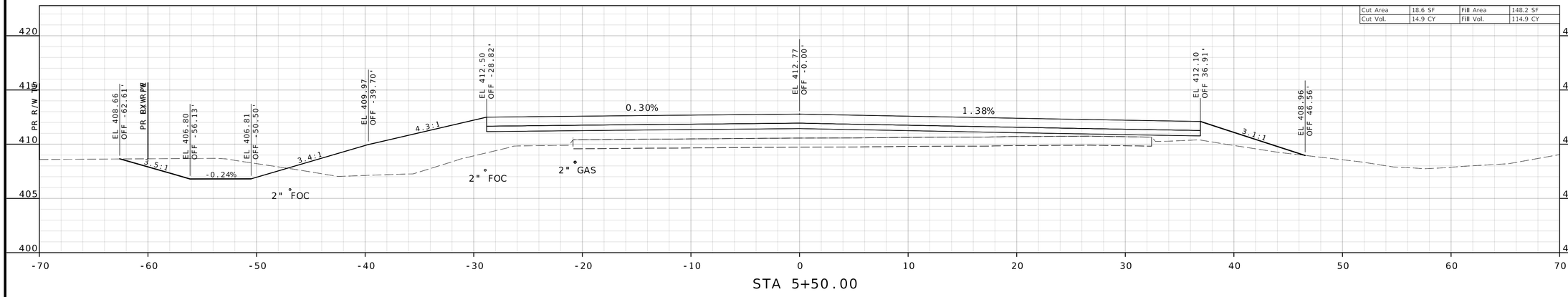
CROSS SECTION
SHEET 3 OF 4

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

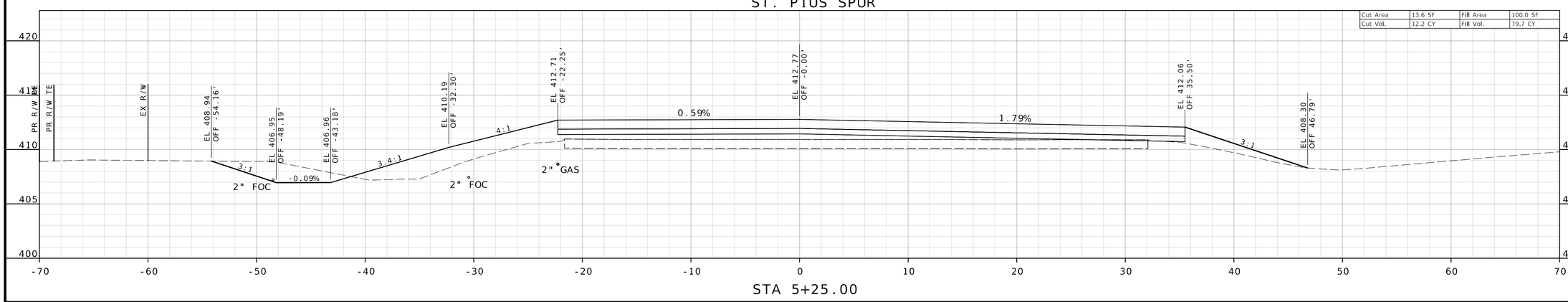
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS SPUR



STA 5+50.00

ST. PIUS SPUR



STA 5+25.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	4

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

©Property of CMT

CROSS SECTION
SHEET 4 OF 4

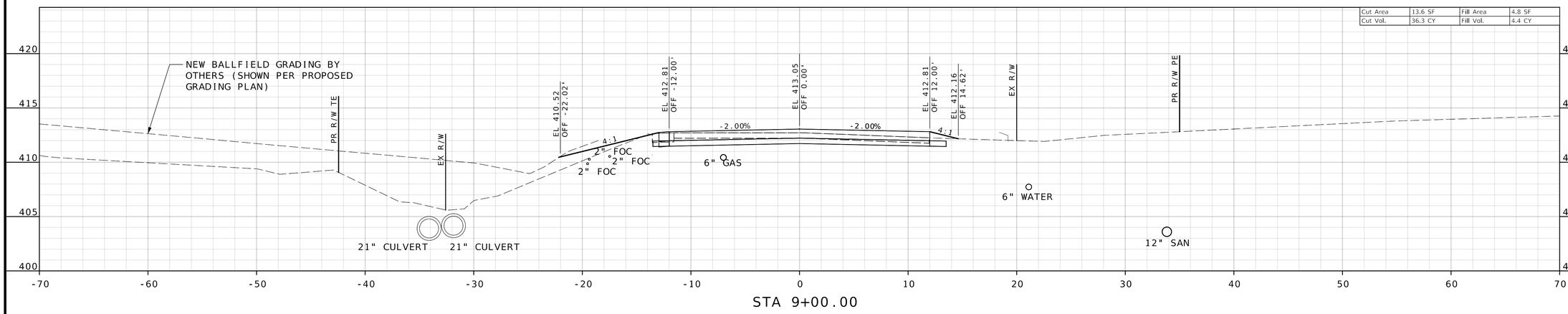
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS DRIVE

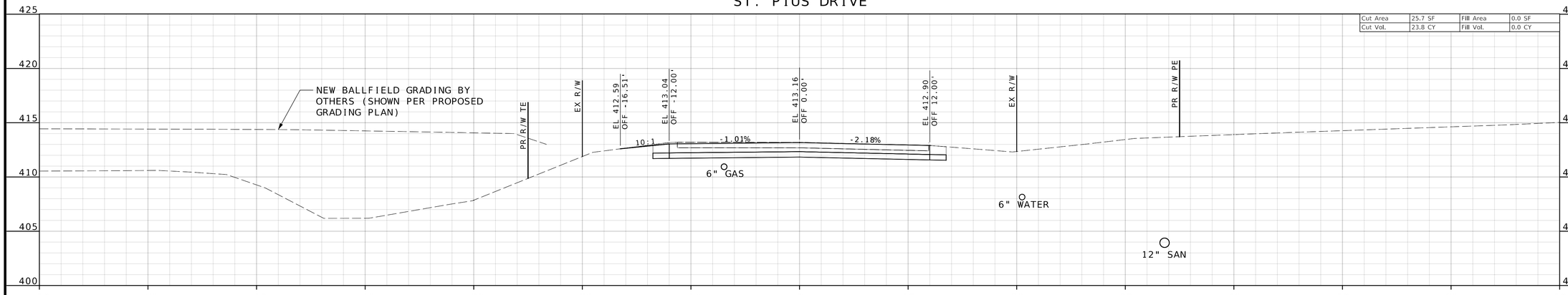
Cut Area	13.6 SF	Fill Area	4.8 SF
Cut Vol.	36.3 CY	Fill Vol.	4.4 CY



STA 9+00.00

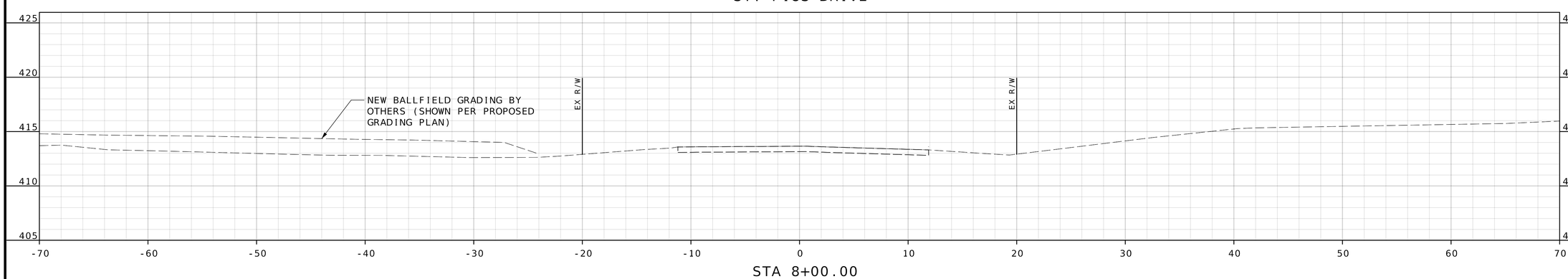
ST. PIUS DRIVE

Cut Area	25.7 SF	Fill Area	0.0 SF
Cut Vol.	23.8 CY	Fill Vol.	0.0 CY



STA 8+50.00

ST. PIUS DRIVE



STA 8+00.00

TODD EHLEN NUMBER PE-2006019649 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED: 10/16/2024
STATE: MO | SHEET NO.: 5
COUNTY: JEFFERSON
JOB NO.: SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

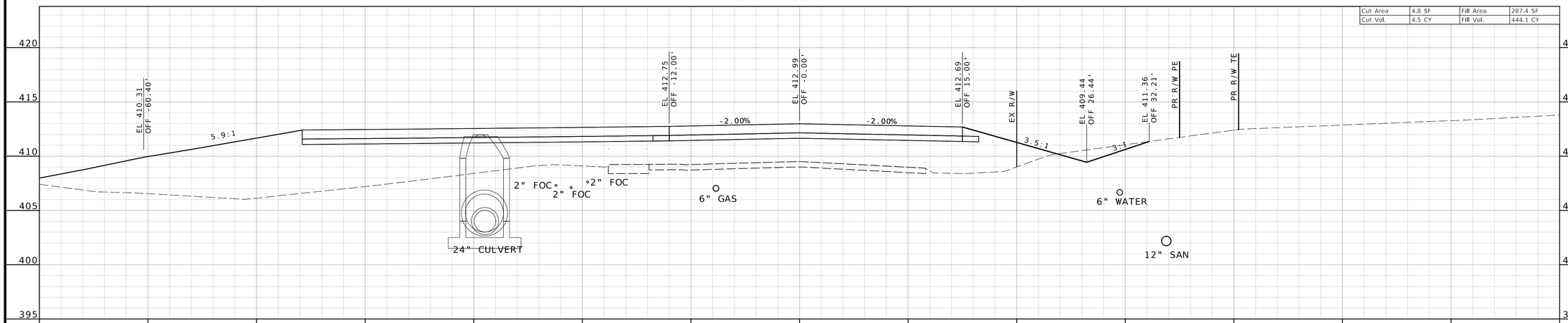
CROSS SECTION
SHEET 1 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

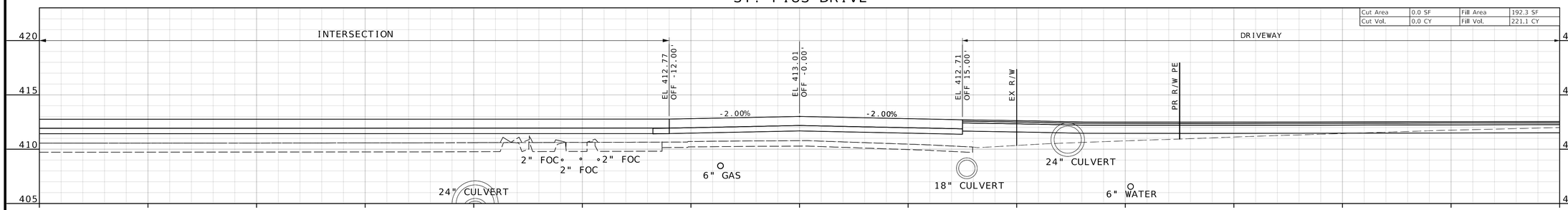
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS DRIVE



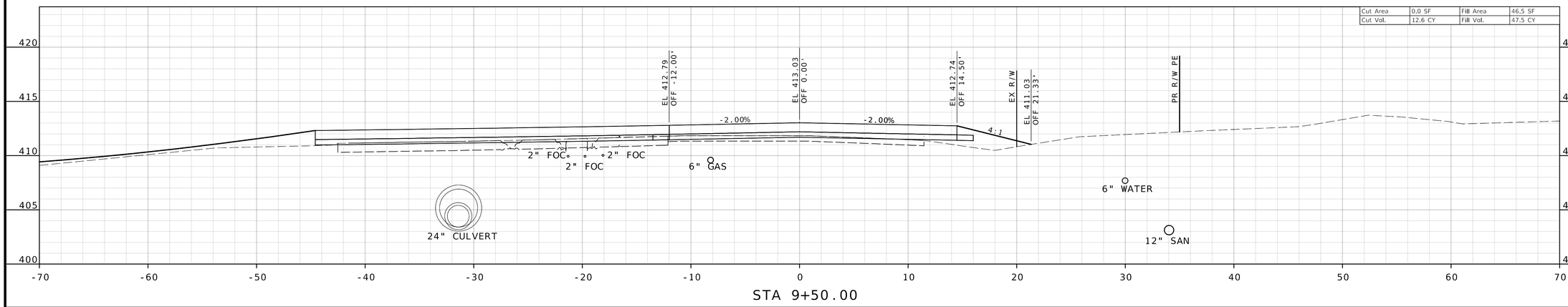
STA 10+50.00

ST. PIUS DRIVE



STA 10+00.00

ST. PIUS DRIVE



STA 9+50.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	6

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

©Crawford, Murphy & Tilly, Inc.

CROSS SECTION
SHEET 2 OF 30

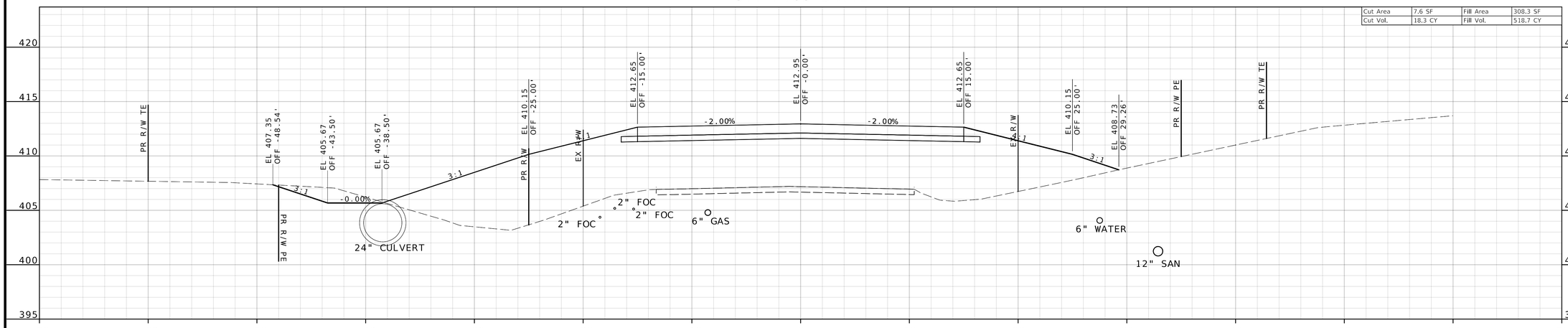
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS DRIVE

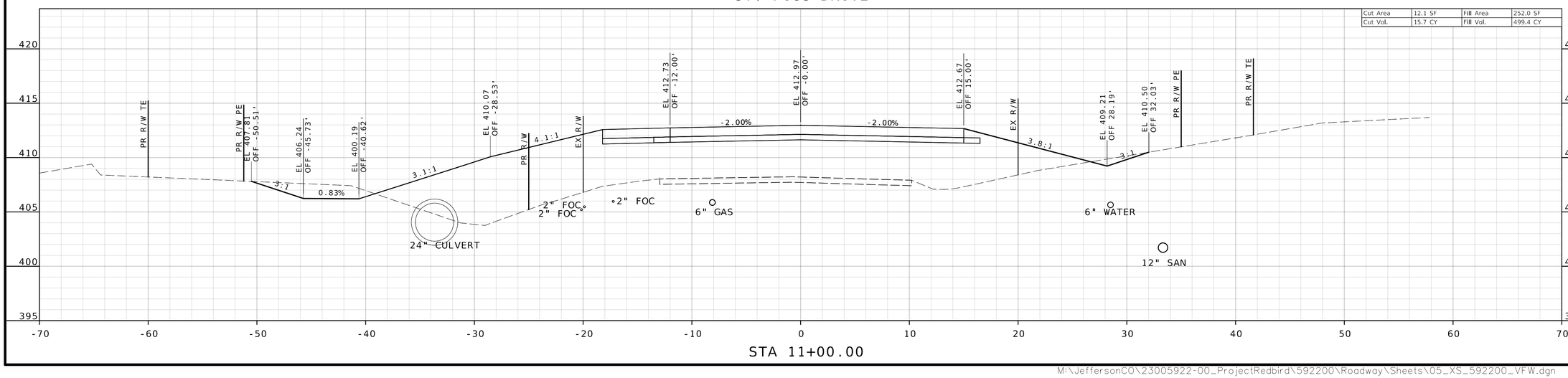
Cut Area	7.6 SF	Fill Area	308.3 SF
Cut Vol.	18.3 CY	Fill Vol.	518.7 CY



STA 11+50.00

ST. PIUS DRIVE

Cut Area	12.1 SF	Fill Area	252.0 SF
Cut Vol.	15.7 CY	Fill Vol.	499.4 CY



STA 11+00.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	7

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 3 OF 30

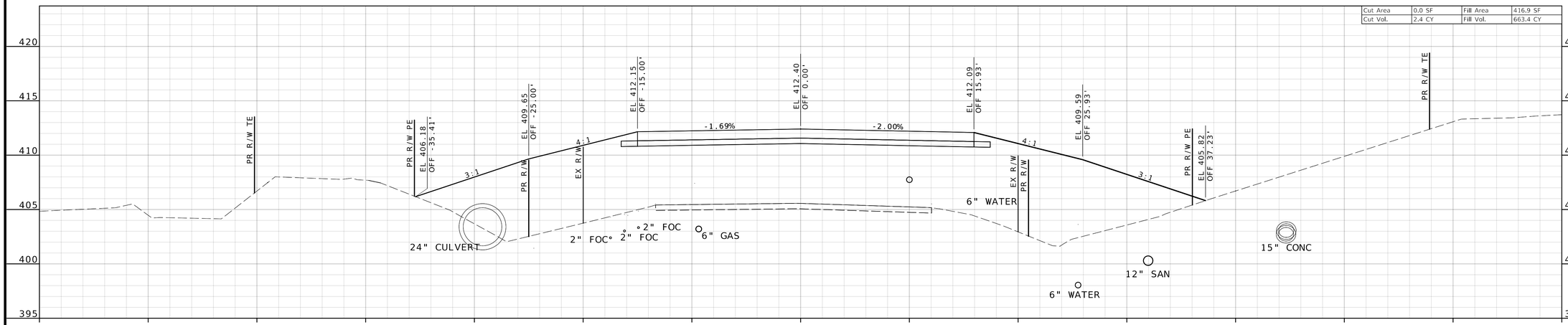
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

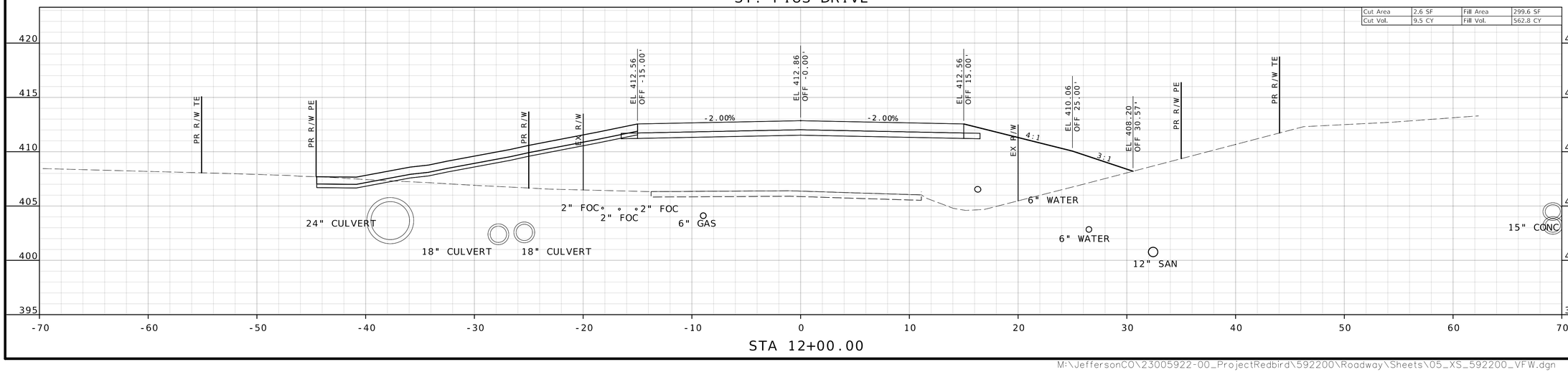
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS DRIVE



STA 12+50.00

ST. PIUS DRIVE



STA 12+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 8

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stantec CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

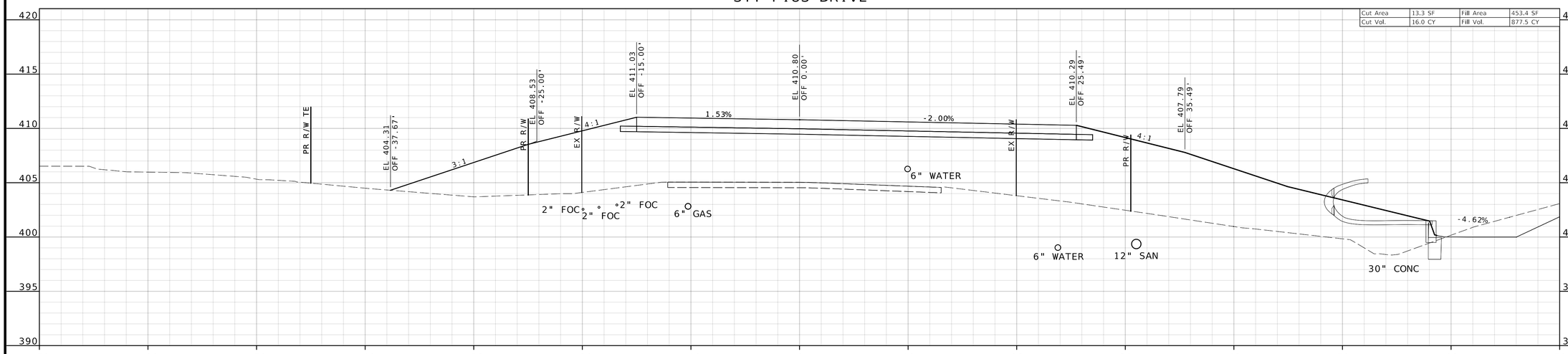
CROSS SECTION
SHEET 4 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

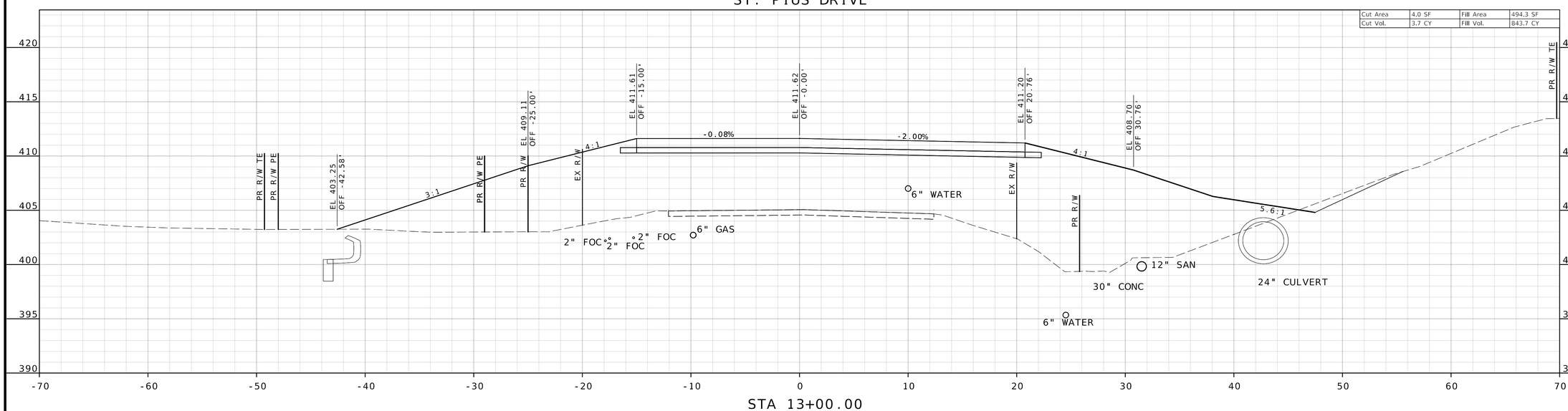
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

ST. PIUS DRIVE



STA 13+50.00

ST. PIUS DRIVE



STA 13+00.00

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	9

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

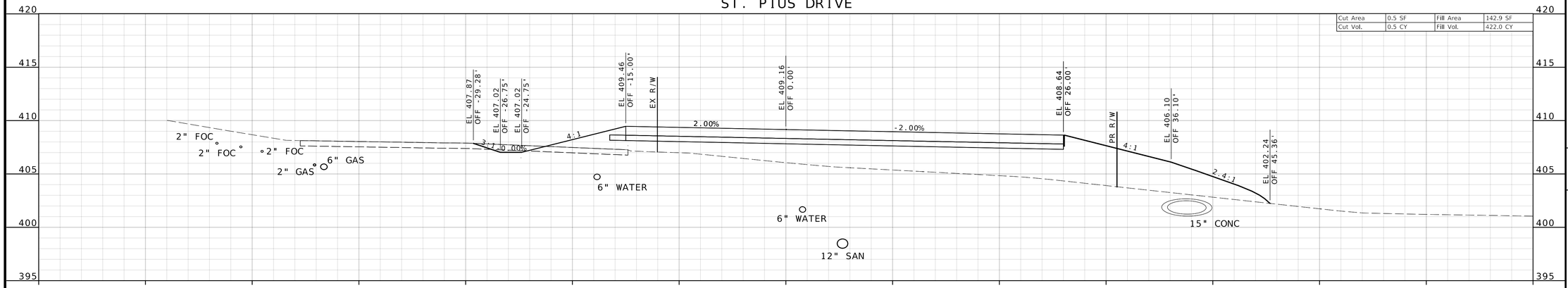
©Copyright CMT, Inc.

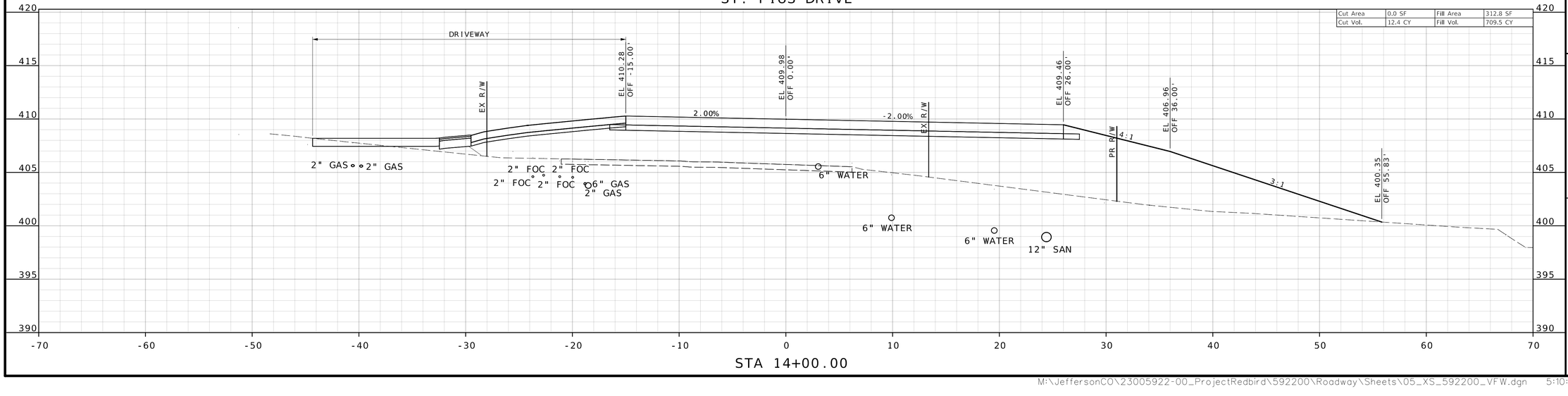
CROSS SECTION
SHEET 5 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	10

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

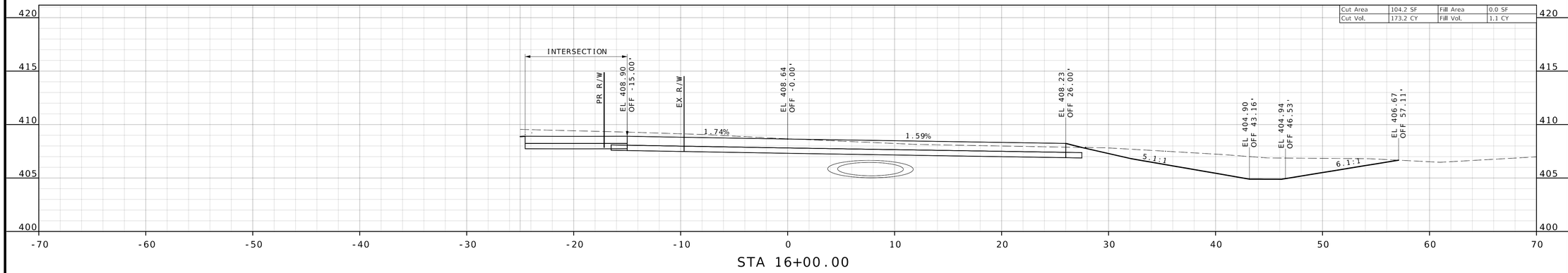
CROSS SECTION
SHEET 6 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

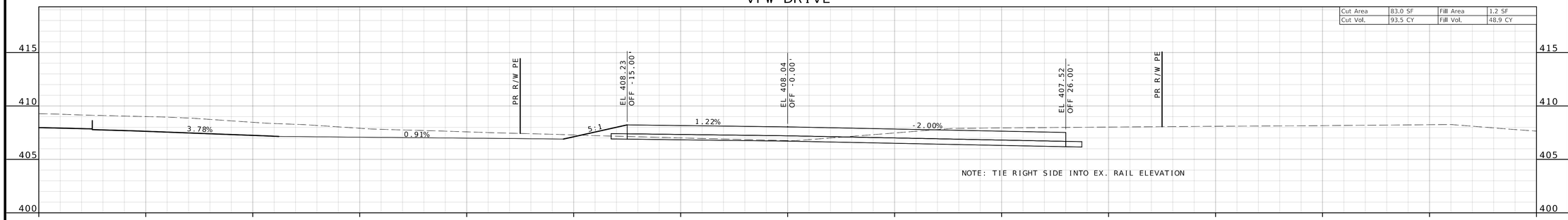
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



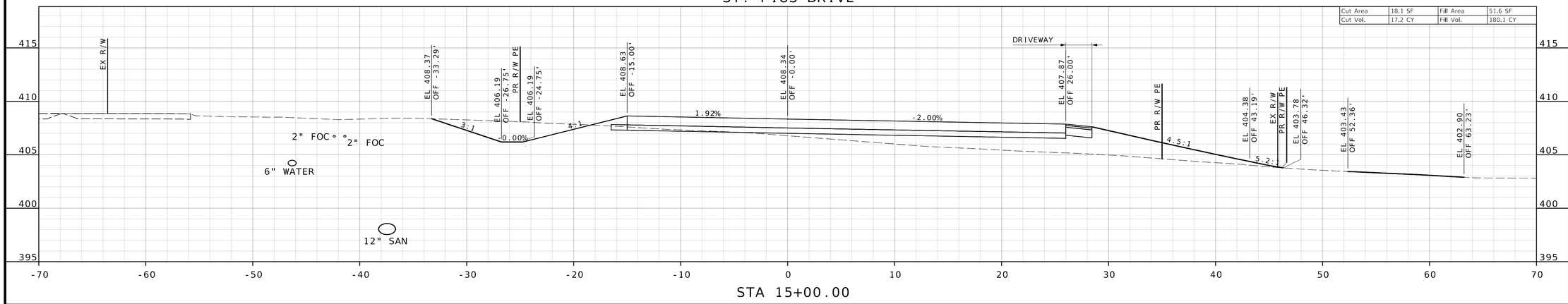
STA 16+00.00

VFW DRIVE



STA 15+50.00

ST. PIUS DRIVE



STA 15+00.00

10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 11

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

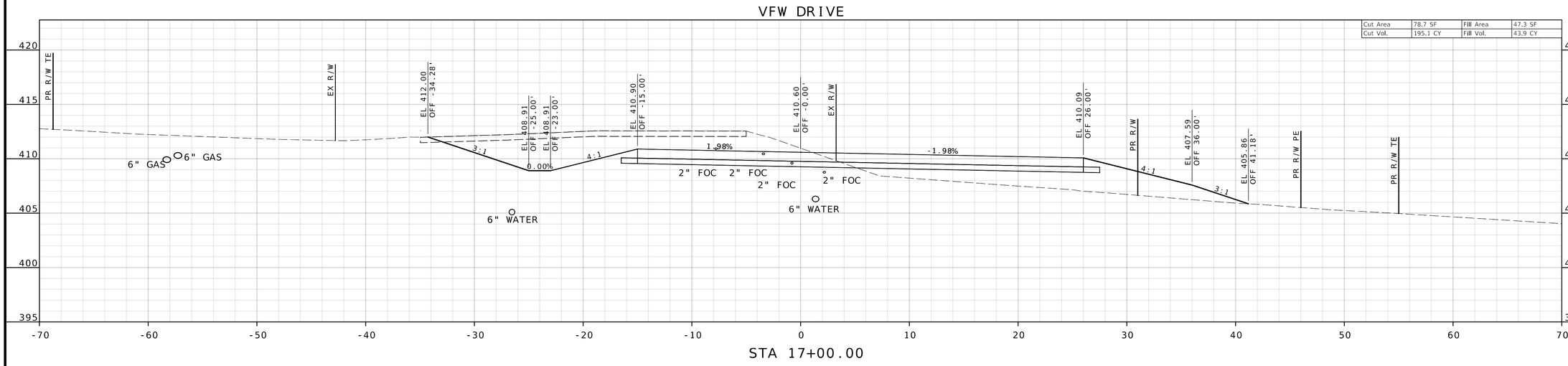
CROSS SECTION
SHEET 7 OF 30

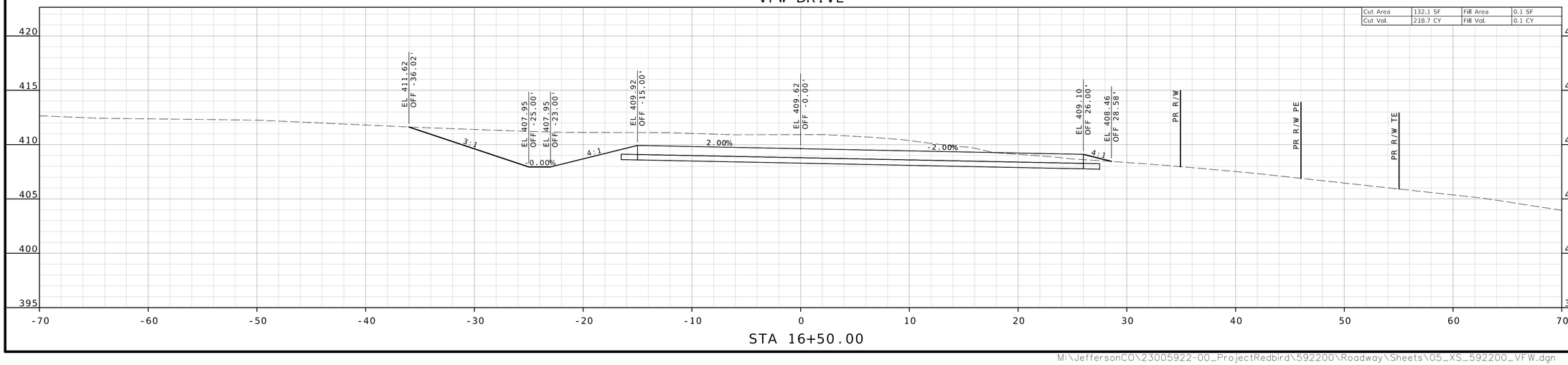
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	12

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 8 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

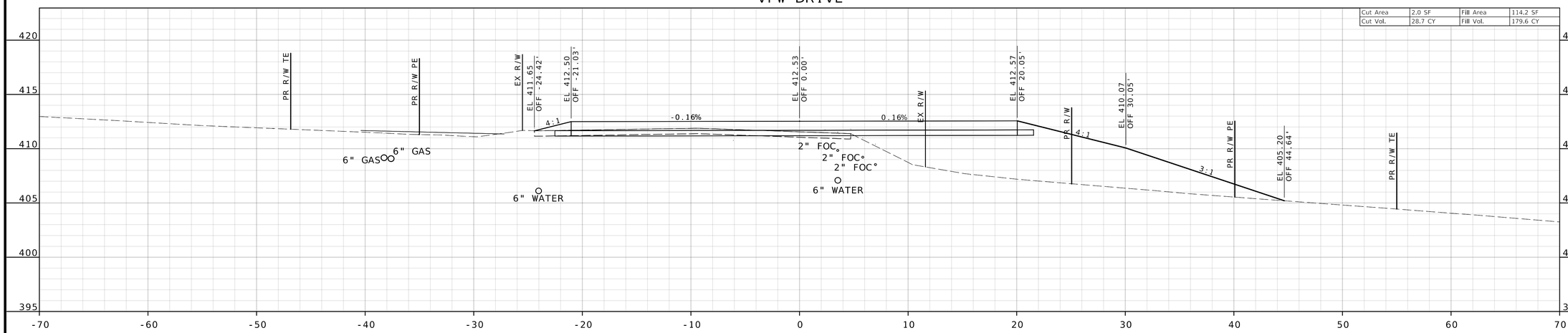
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_VFW.dgn 5:11:05 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

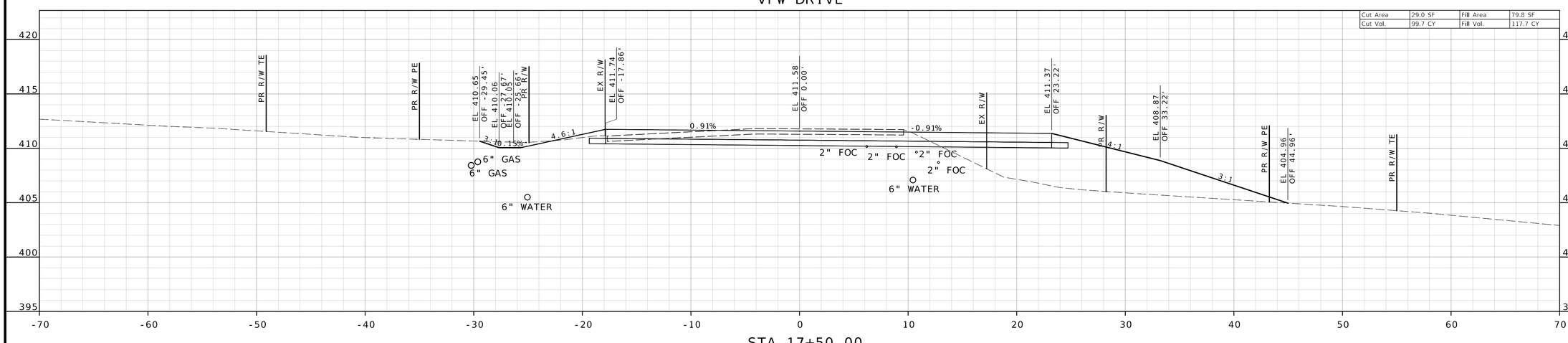
Cut Area	2.0 SF	Fill Area	114.2 SF
Cut Vol.	28.7 CY	Fill Vol.	179.6 CY



STA 18+00.00

VFW DRIVE

Cut Area	29.0 SF	Fill Area	79.8 SF
Cut Vol.	99.7 CY	Fill Vol.	117.7 CY



STA 17+50.00

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	13

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

CROSS SECTION
SHEET 9 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

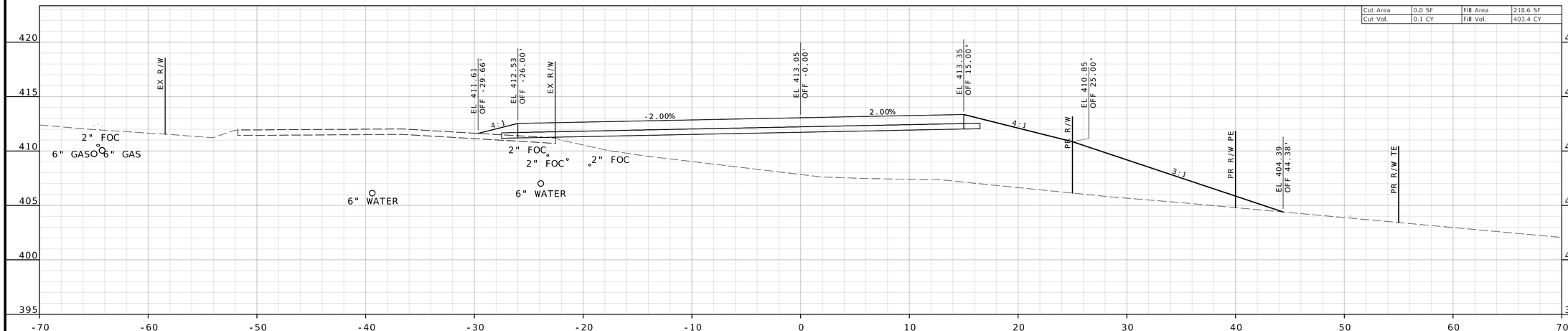
© Copyright CMT, Inc.

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

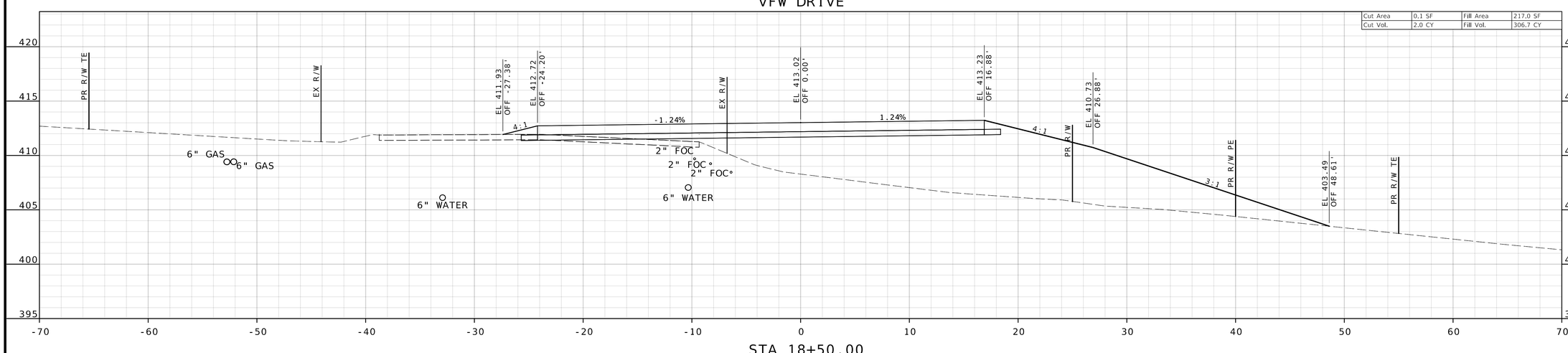
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



STA 19+00.00

VFW DRIVE



STA 18+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 14

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

JEFFERSON COUNTY MISSOURI 1818

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 10 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

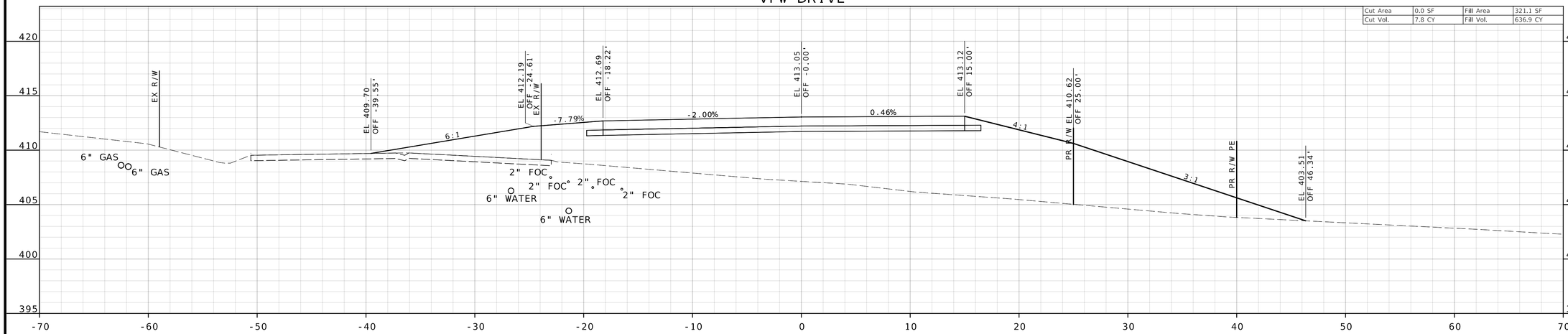
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

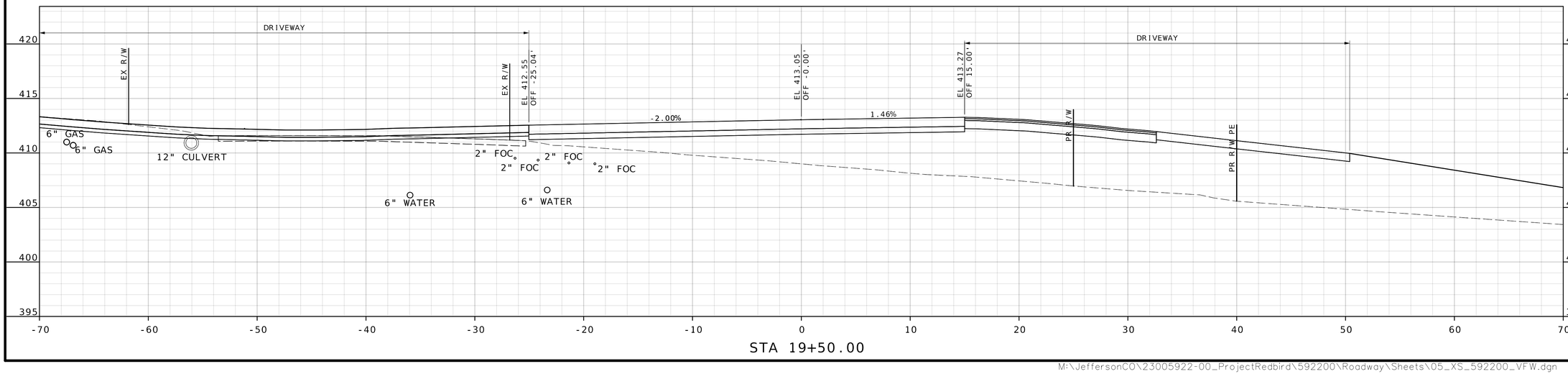
VFW DRIVE

Cut Area	0.0 SF	Fill Area	321.1 SF
Cut Vol.	7.8 CY	Fill Vol.	636.9 CY



STA 20+00.00

VFW DRIVE



STA 19+50.00

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	15

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

CROSS SECTION
SHEET 11 OF 30

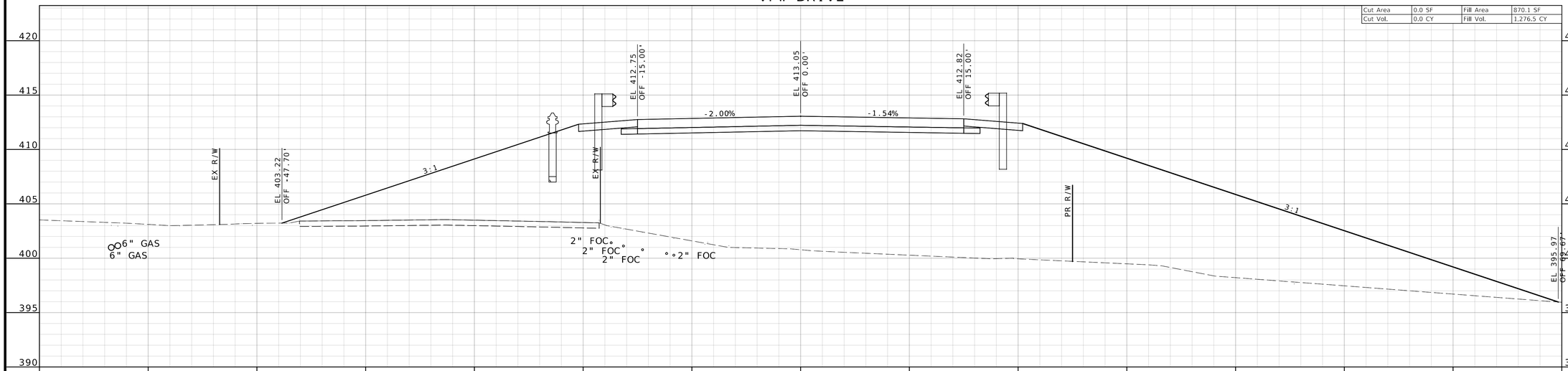
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

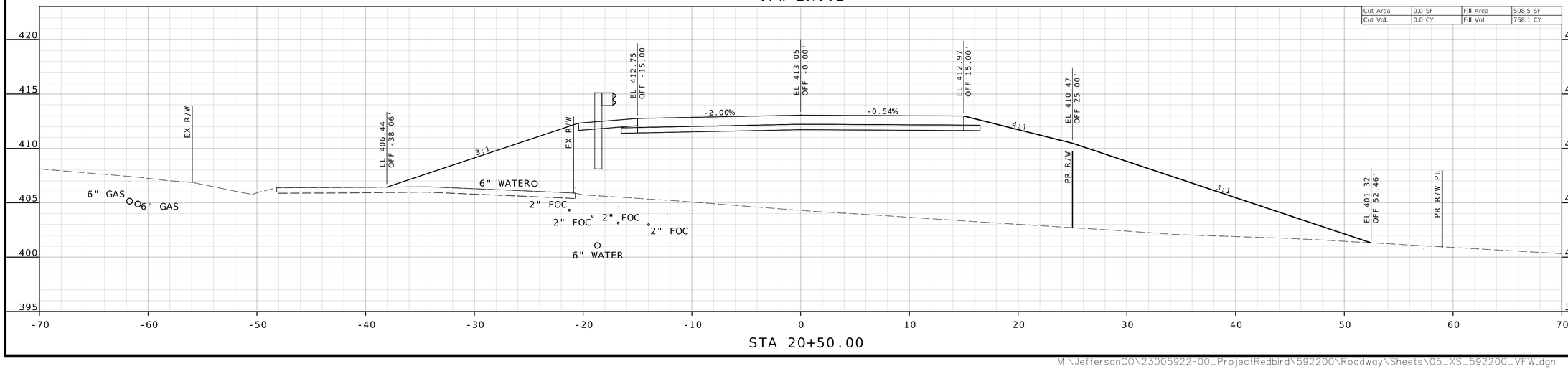
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



STA 21+00.00

VFW DRIVE



STA 20+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 16

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 12 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

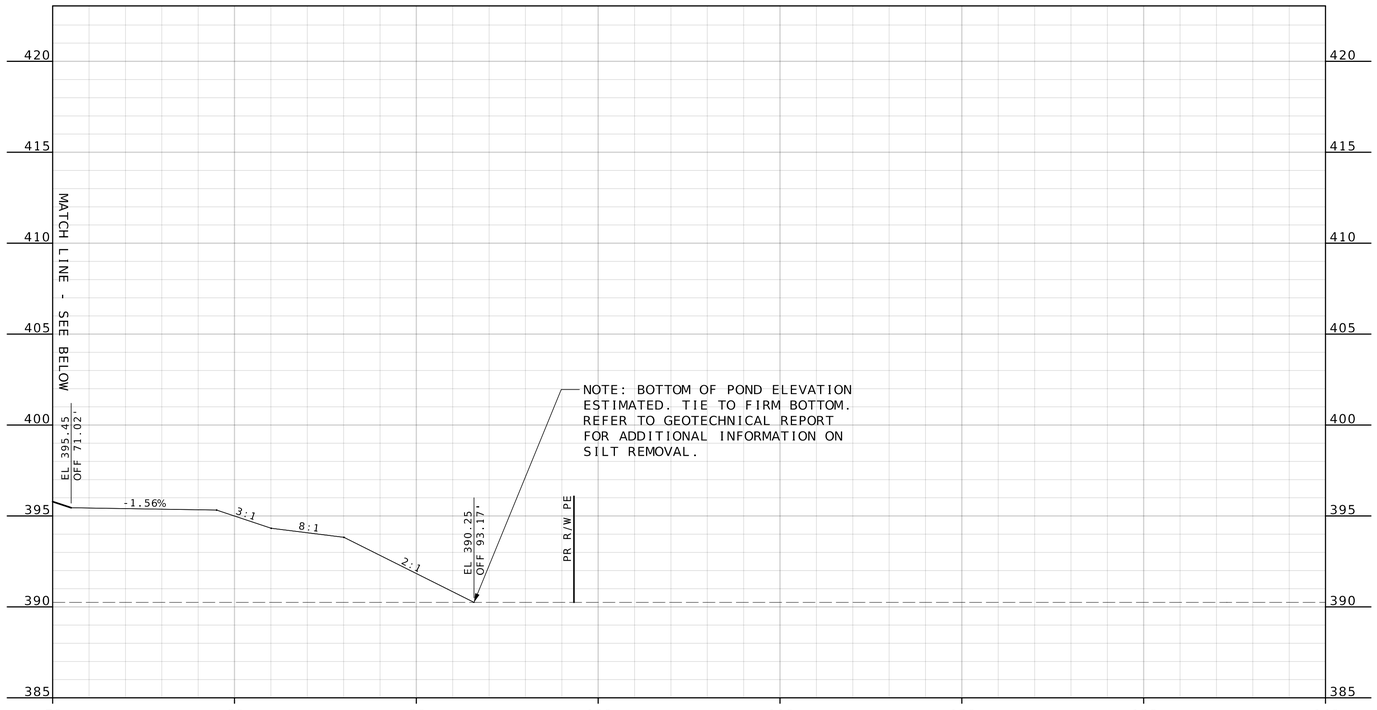
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_VFW.dgn 5:11:19 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

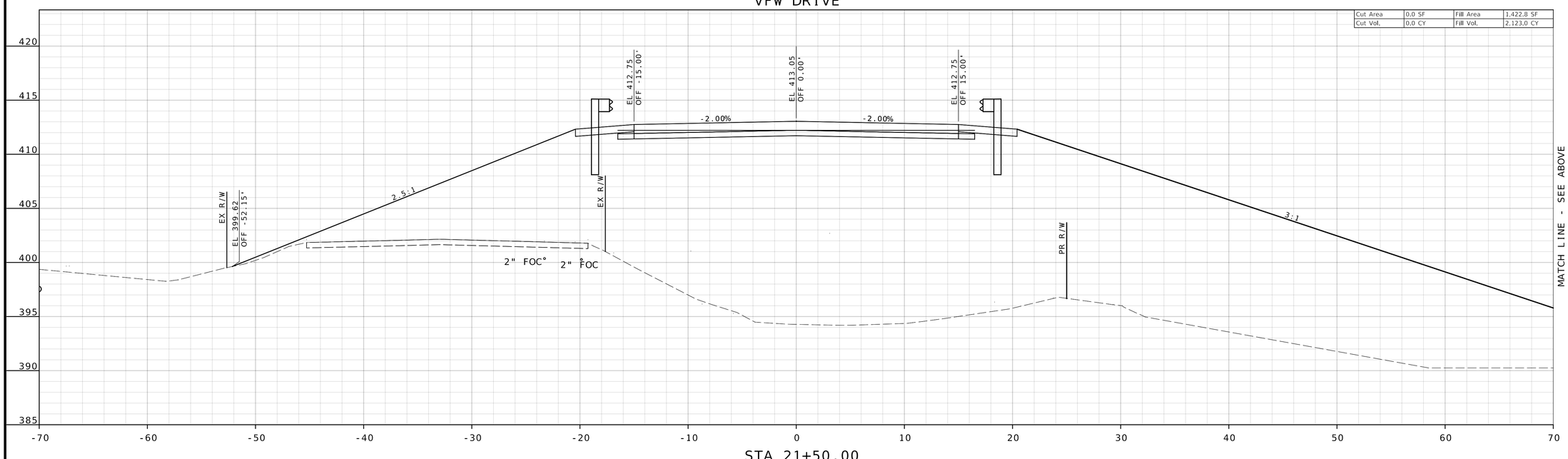
VFW DRIVE



STA 21+50.00

VFW DRIVE

Cut Area	0.0 SF	Fill Area	1,422.8 SF
Cut Vol.	0.0 CY	Fill Vol.	2,123.0 CY



STA 21+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 17

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

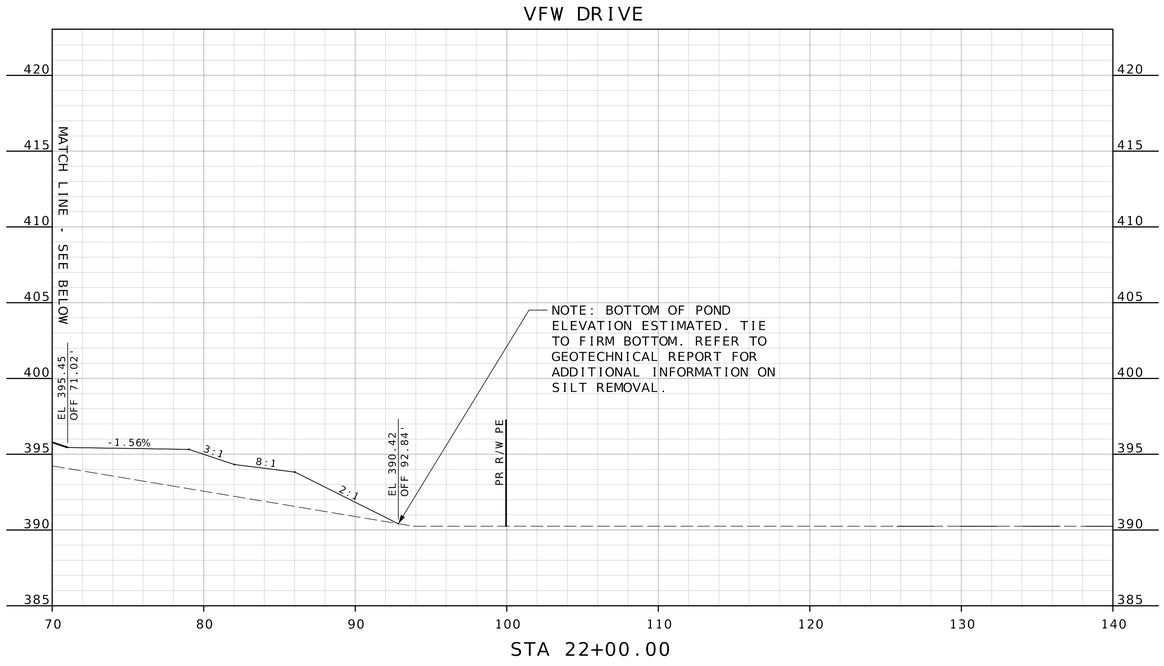
CROSS SECTION
SHEET 13 OF 30

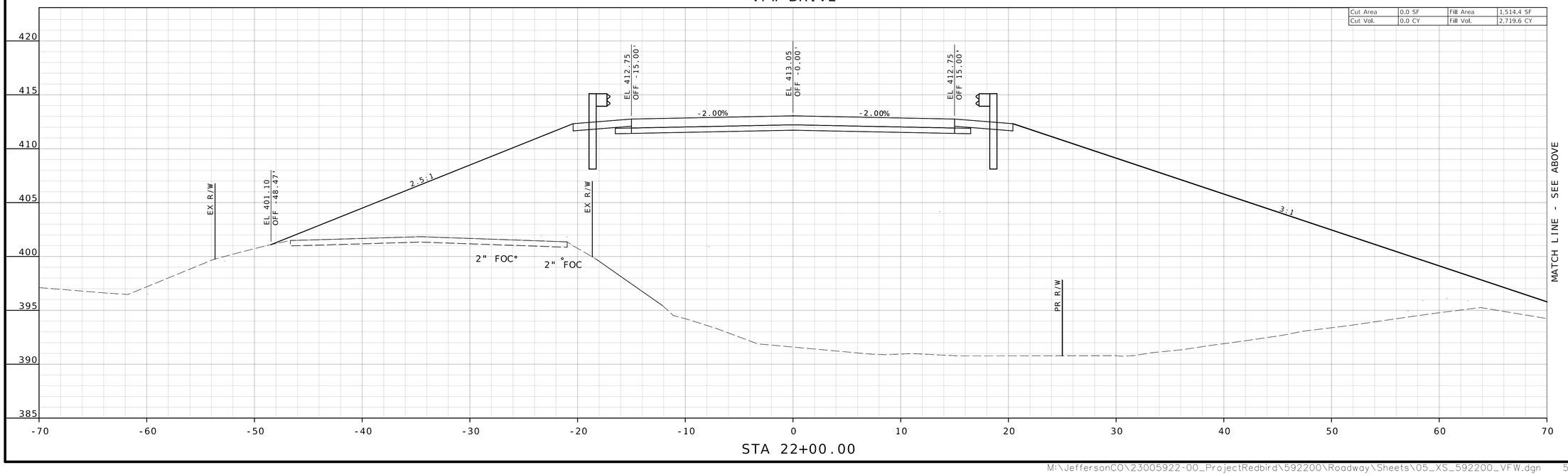
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	18

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

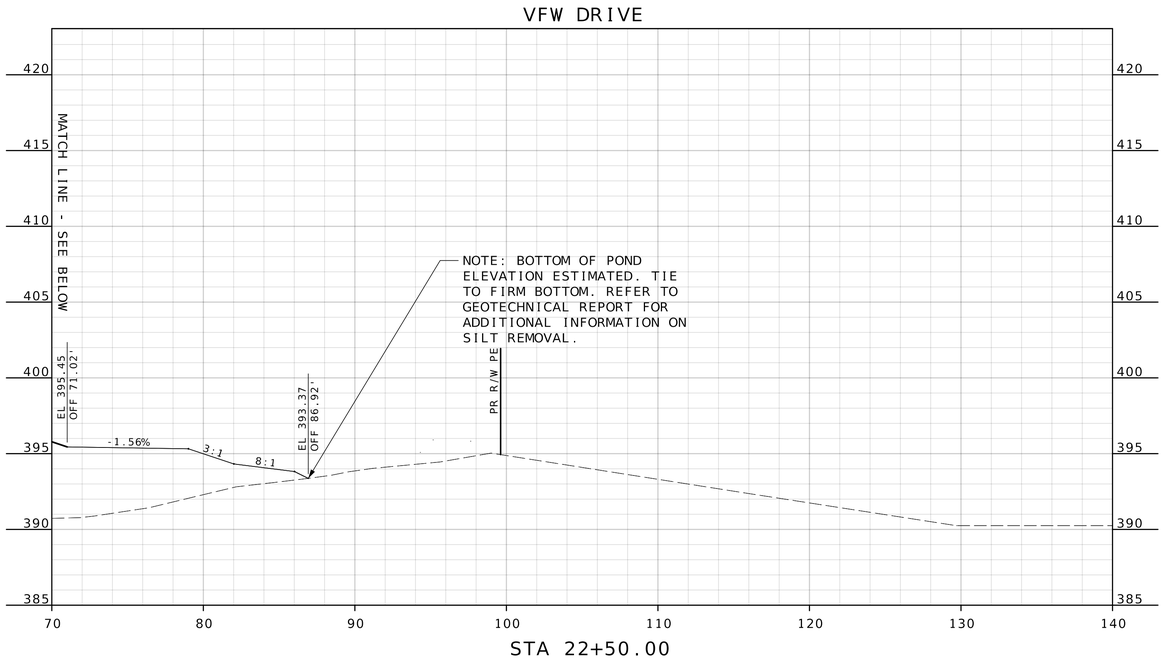
CROSS SECTION
SHEET 14 OF 30

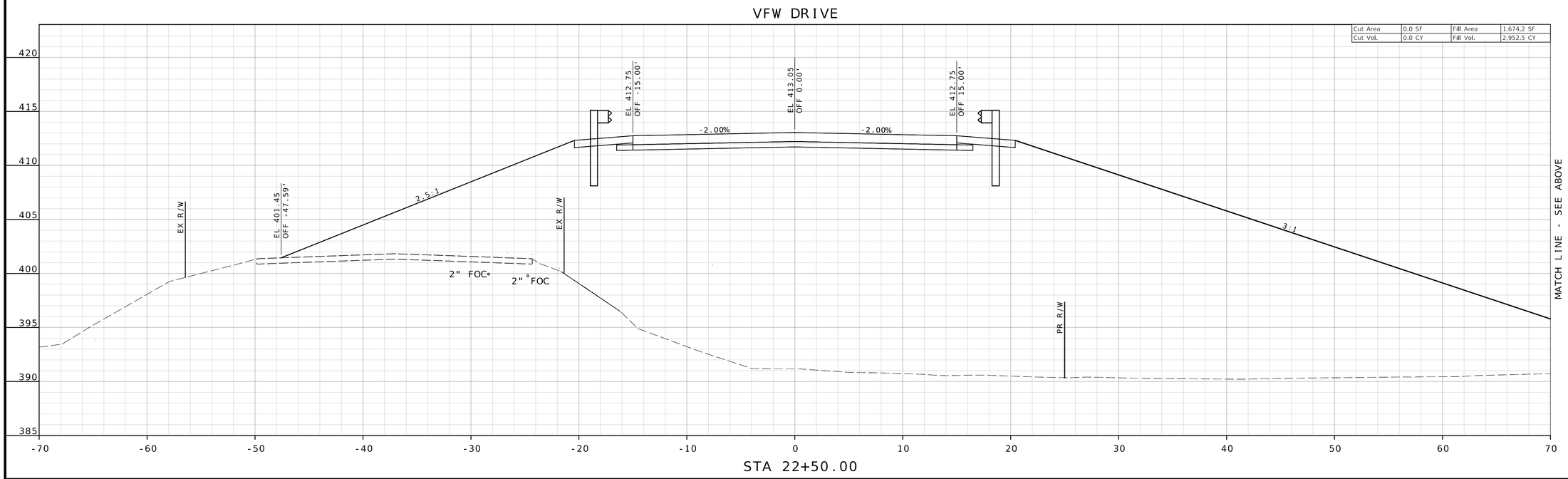
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	19

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

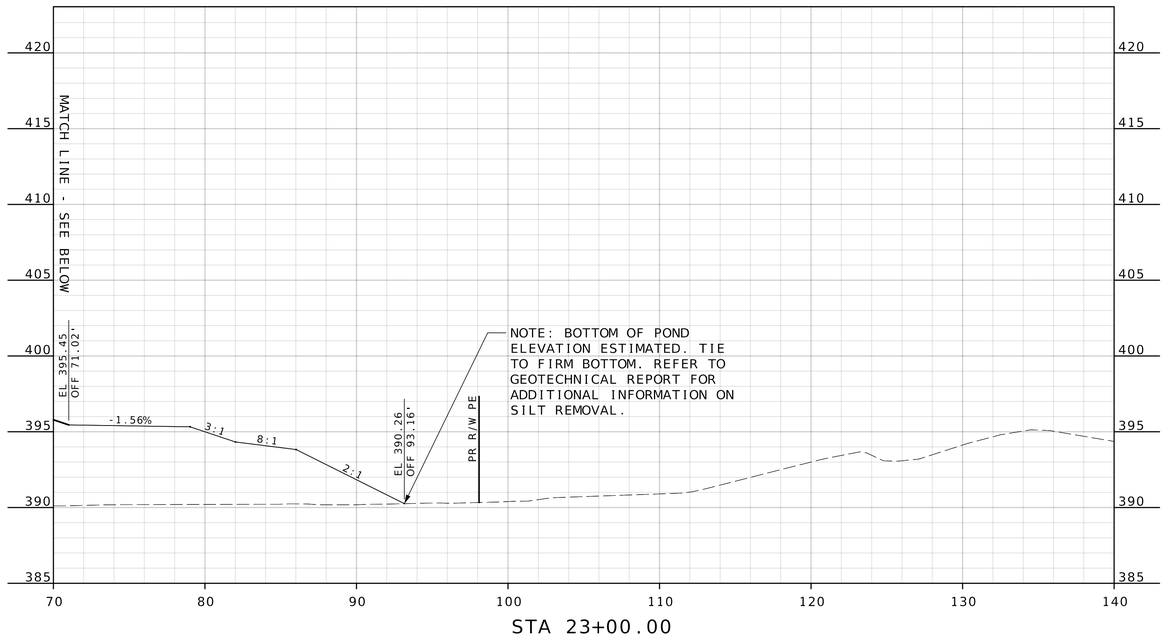
CROSS SECTION
SHEET 15 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

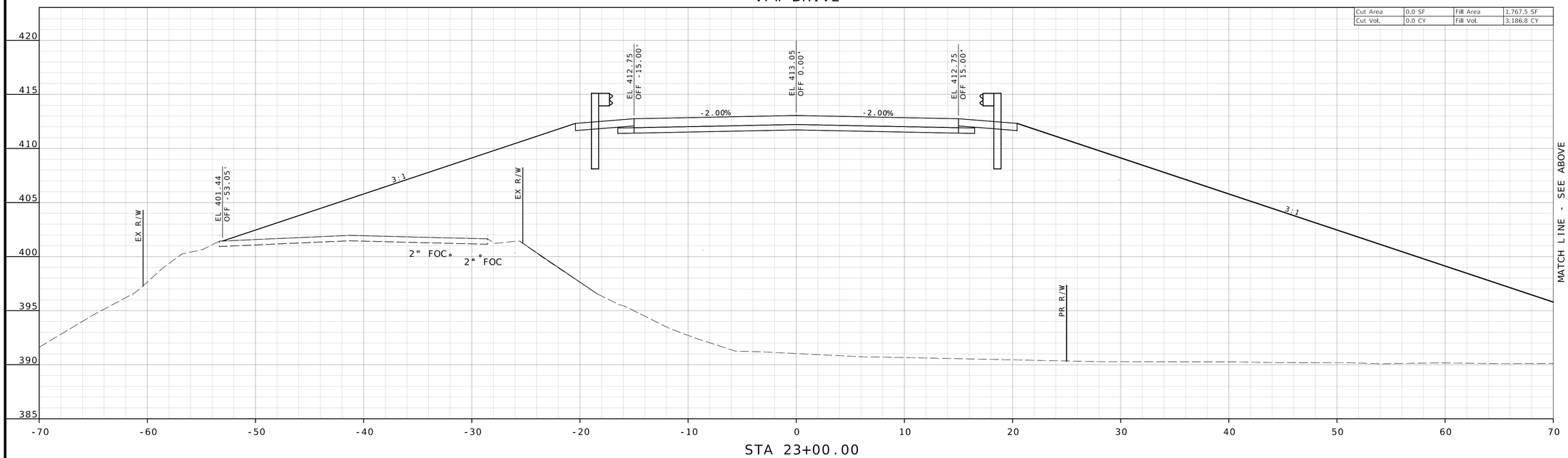
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



VFW DRIVE



TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 20

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

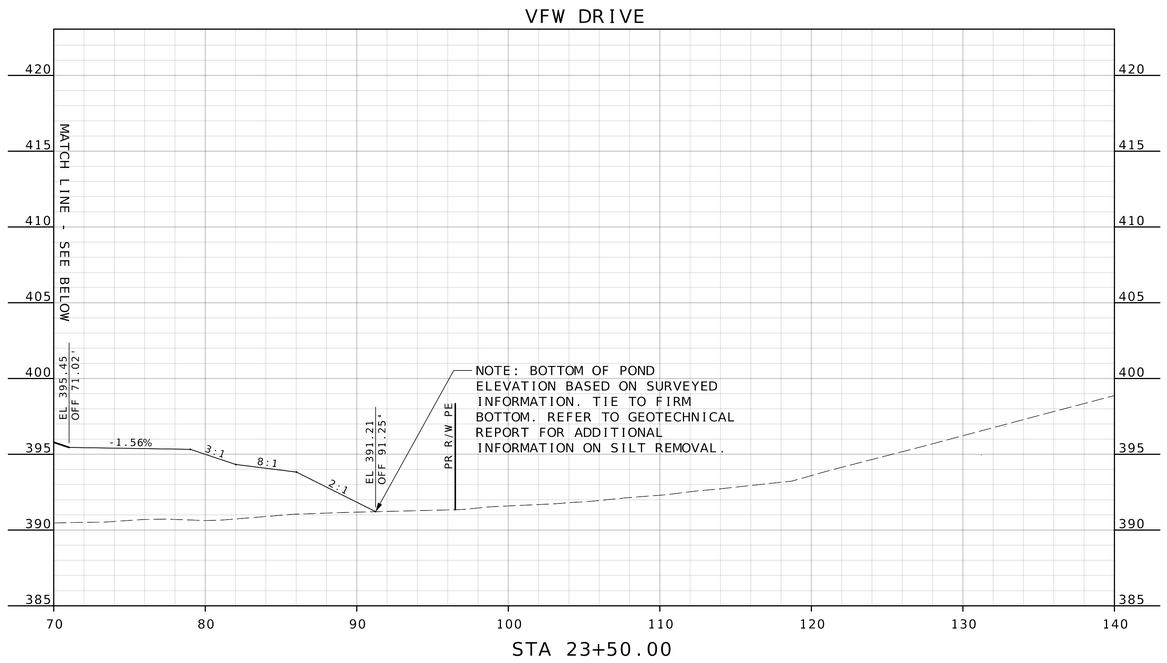
CROSS SECTION
SHEET 16 OF 30

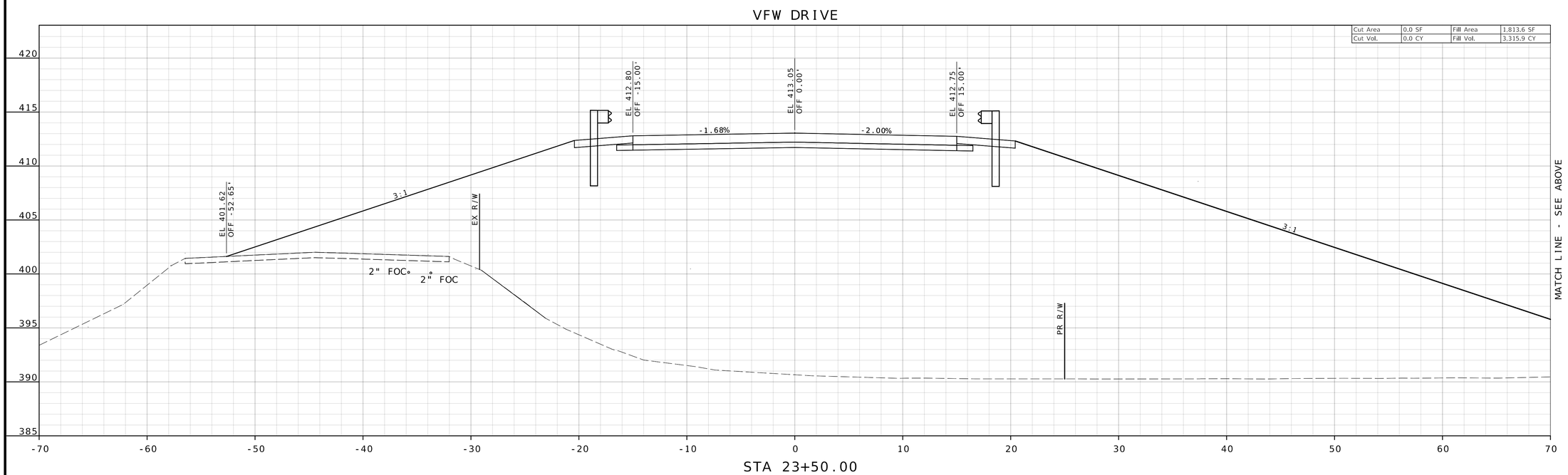
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 21

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

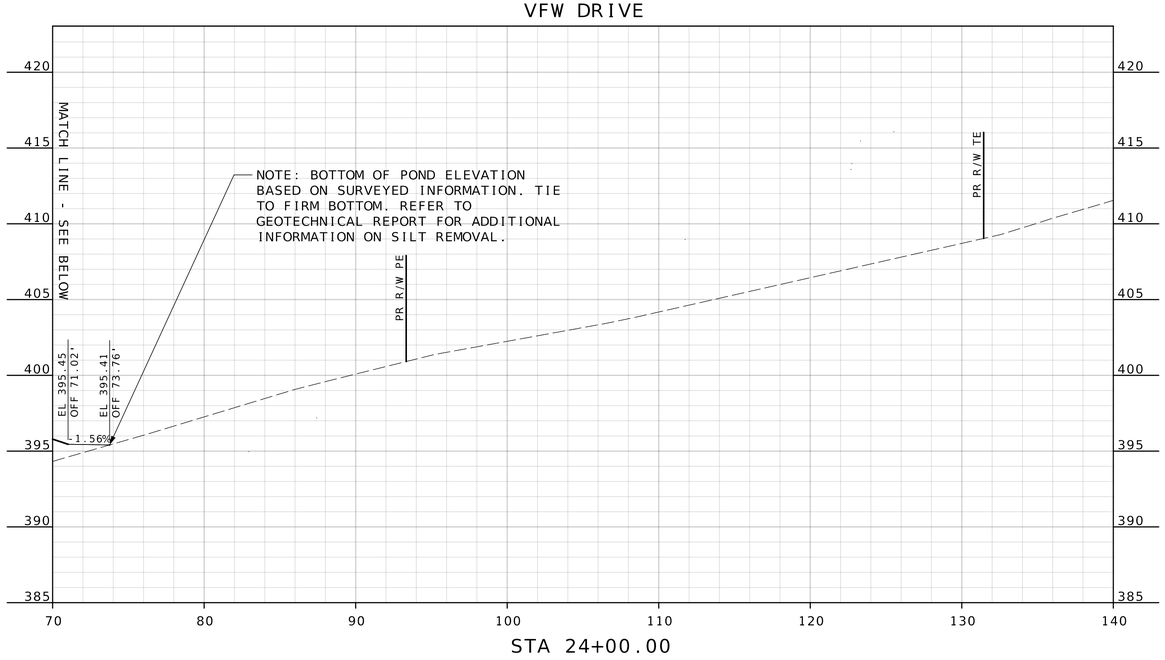
CROSS SECTION
SHEET 17 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

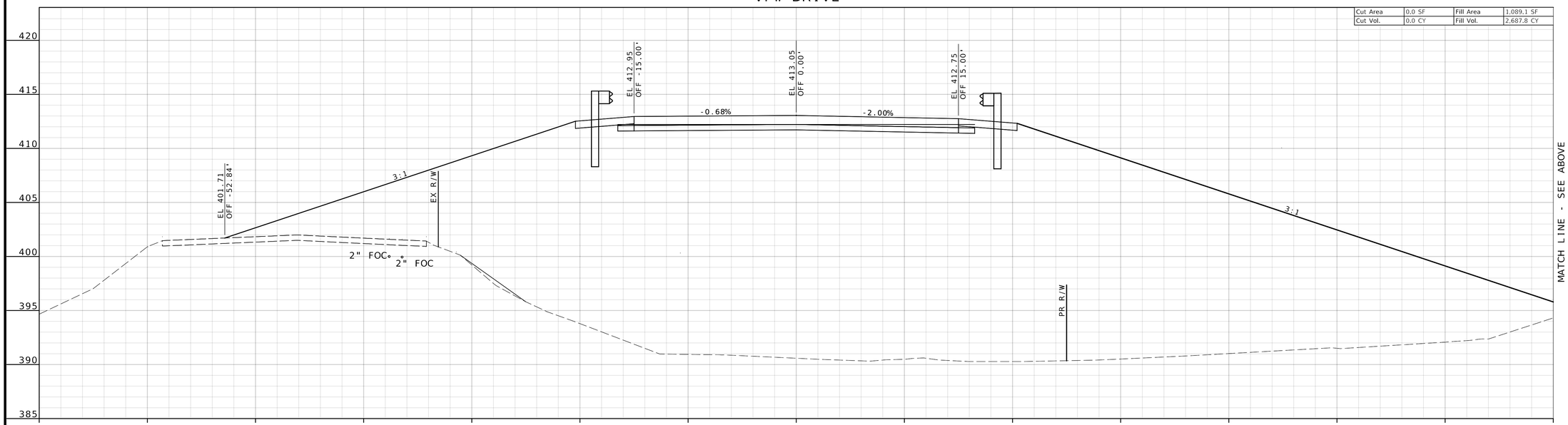
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



STA 24+00.00

VFW DRIVE



STA 24+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 22

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 18 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

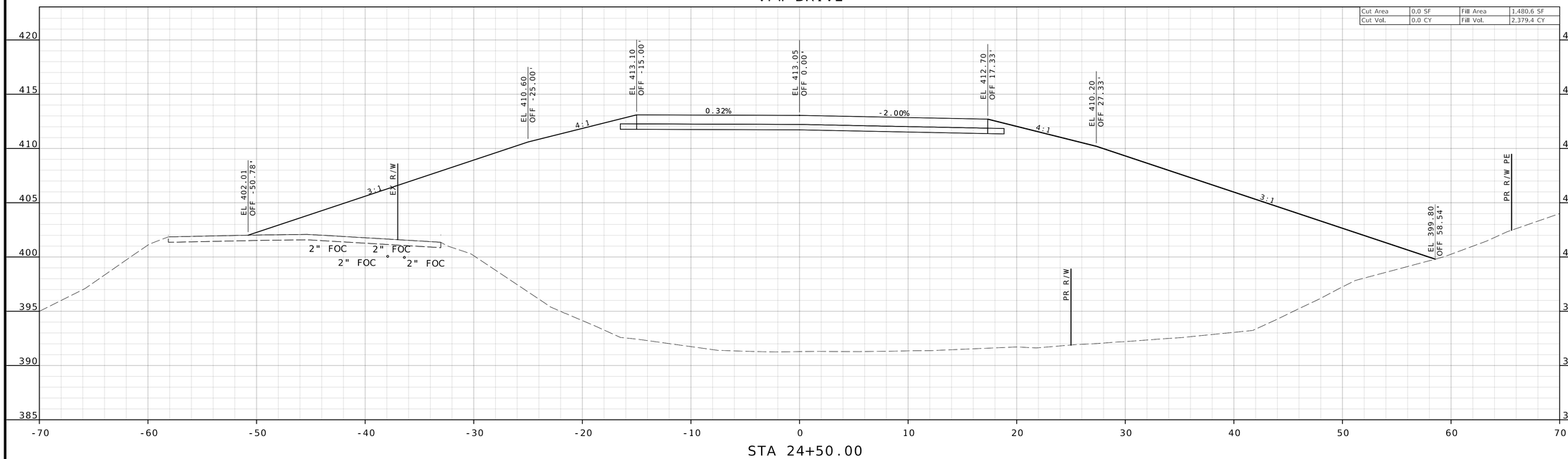
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

Cut Area	0.0 SF	Fill Area	1,480.6 SF
Cut Vol.	0.0 CY	Fill Vol.	2,379.4 CY



STA 24+50.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	23

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 19 OF 30

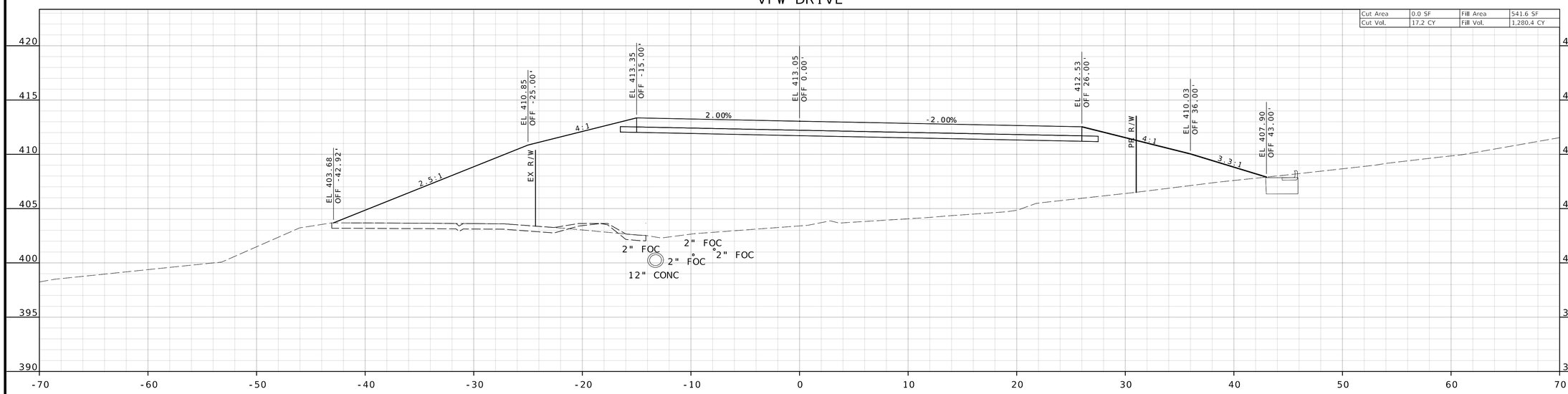
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

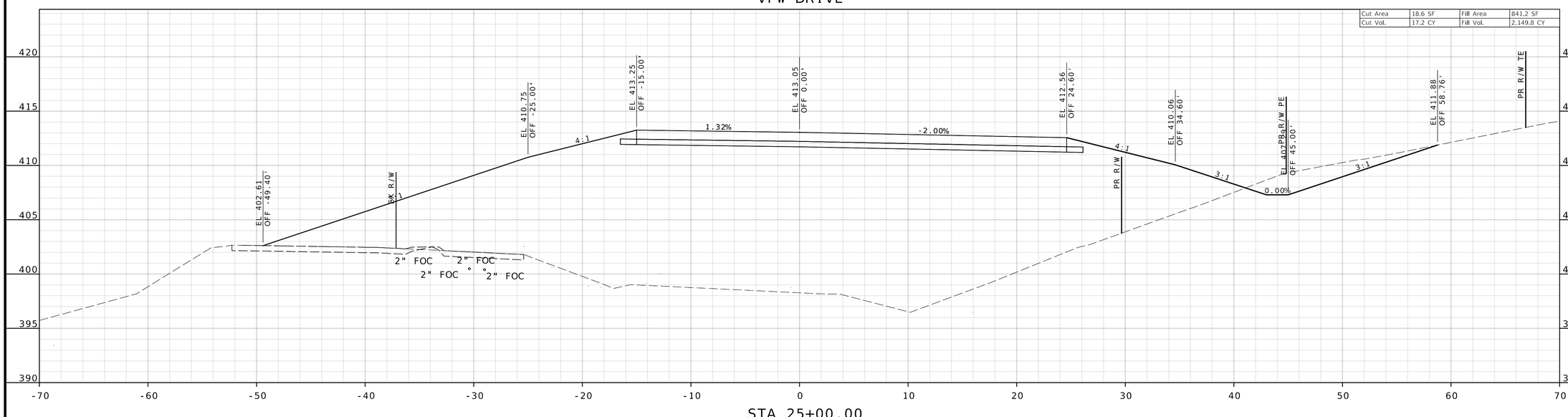
Cut Area	0.0 SF	Fill Area	541.6 SF
Cut Vol.	17.2 CY	Fill Vol.	1,280.4 CY



STA 25+50.00

VFW DRIVE

Cut Area	18.6 SF	Fill Area	841.2 SF
Cut Vol.	17.2 CY	Fill Vol.	2,149.8 CY



STA 25+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	24

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 20 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

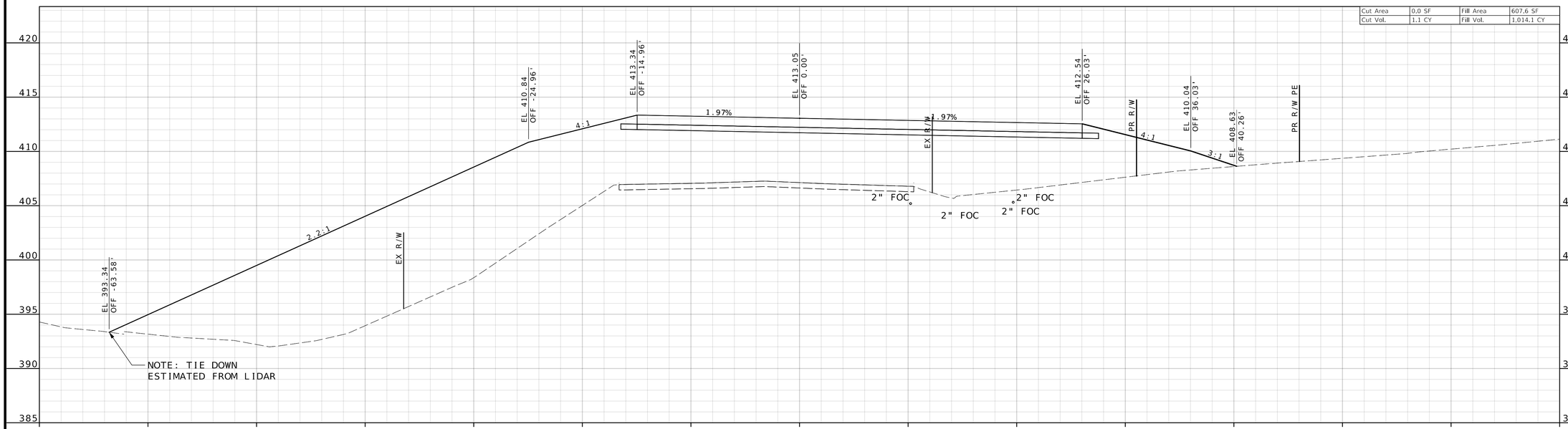
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

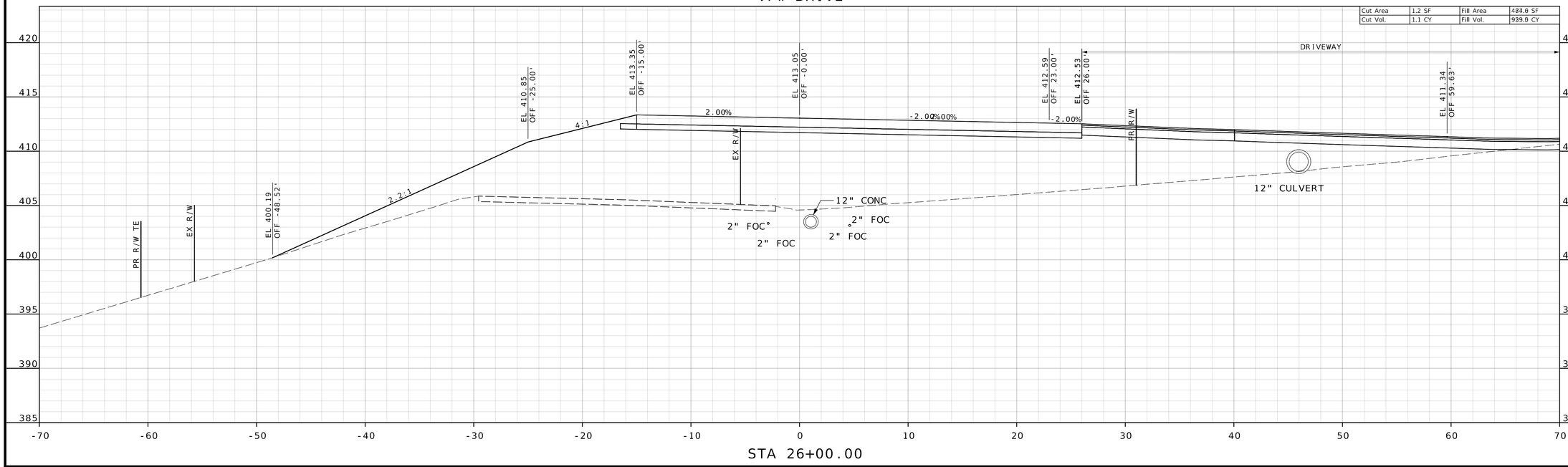
Cut Area	0.0 SF	Fill Area	607.6 SF
Cut Vol.	1.1 CY	Fill Vol.	1,014.1 CY



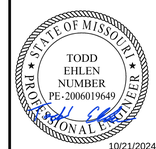
STA 26+50.00

VFW DRIVE

Cut Area	1.2 SF	Fill Area	484.0 SF
Cut Vol.	1.1 CY	Fill Vol.	939.0 CY



STA 26+00.00



10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 25

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 21 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

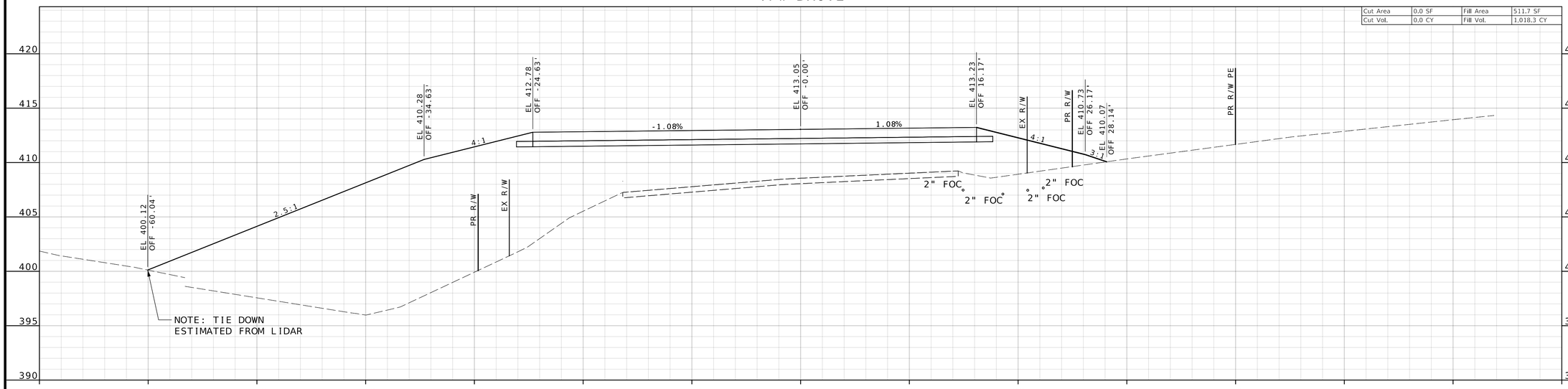
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_VFW.dgn 5:11:49 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

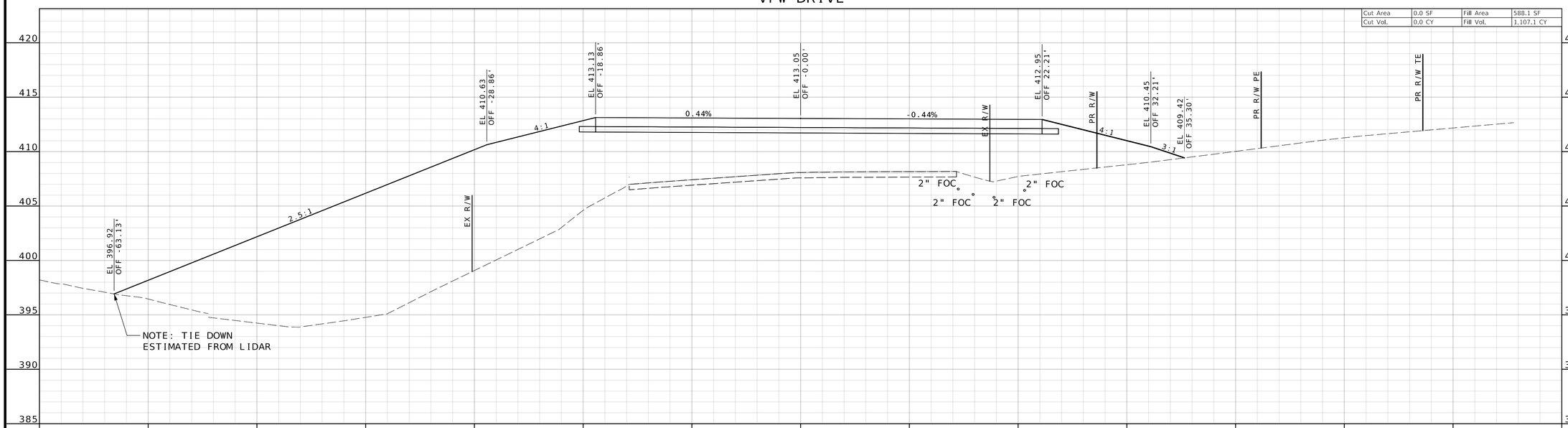
Cut Area	0.0 SF	Fill Area	511.7 SF
Cut Vol.	0.0 CY	Fill Vol.	1,018.3 CY



STA 27+50.00

VFW DRIVE

Cut Area	0.0 SF	Fill Area	588.1 SF
Cut Vol.	0.0 CY	Fill Vol.	1,107.1 CY



STA 27+00.00

TODD EHLEN NUMBER PE-2006019649 PROFESSIONAL ENGINEER STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 26

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 22 OF 30

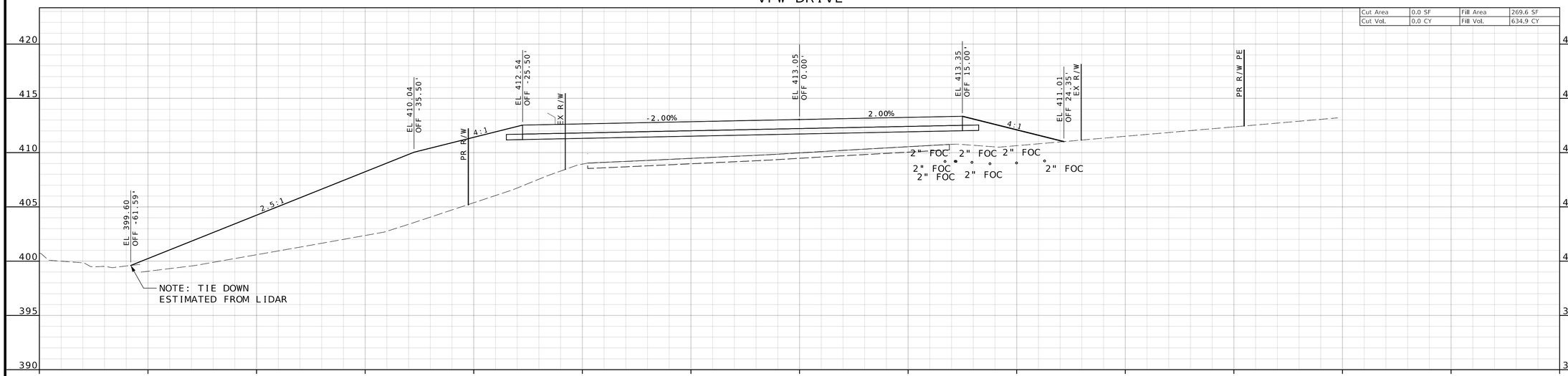
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

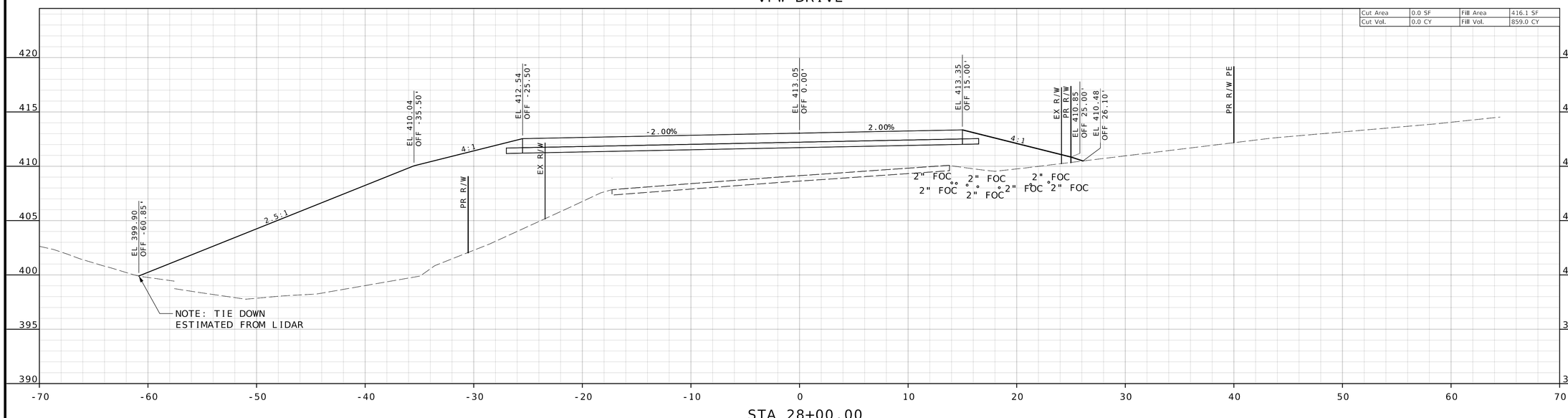
Cut Area	0.0 SF	Fill Area	269.6 SF
Cut Vol.	0.0 CY	Fill Vol.	634.9 CY



STA 28+50.00

VFW DRIVE

Cut Area	0.0 SF	Fill Area	416.1 SF
Cut Vol.	0.0 CY	Fill Vol.	859.0 CY



STA 28+00.00

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 27

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 23 OF 30

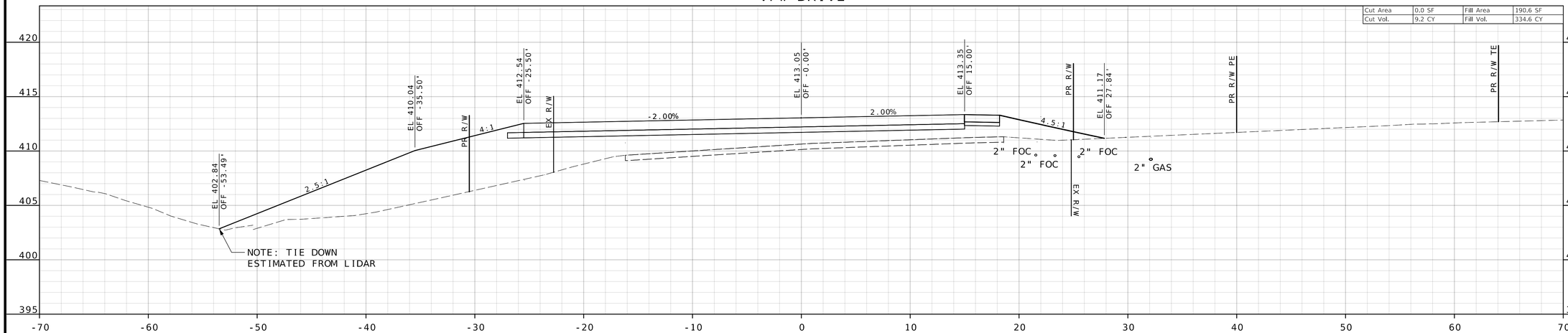
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

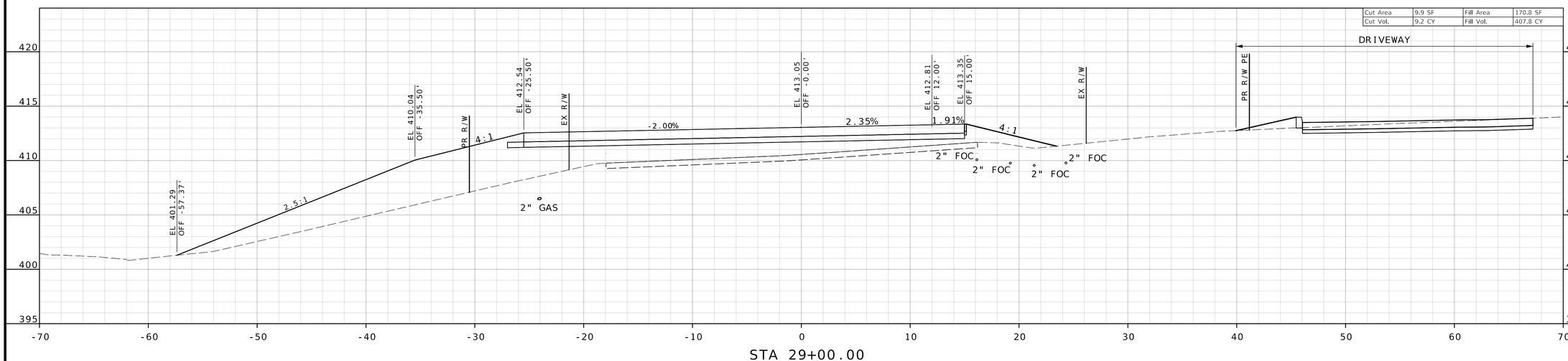
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



STA 29+50.00

VFW DRIVE



STA 29+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 28

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 24 OF 30

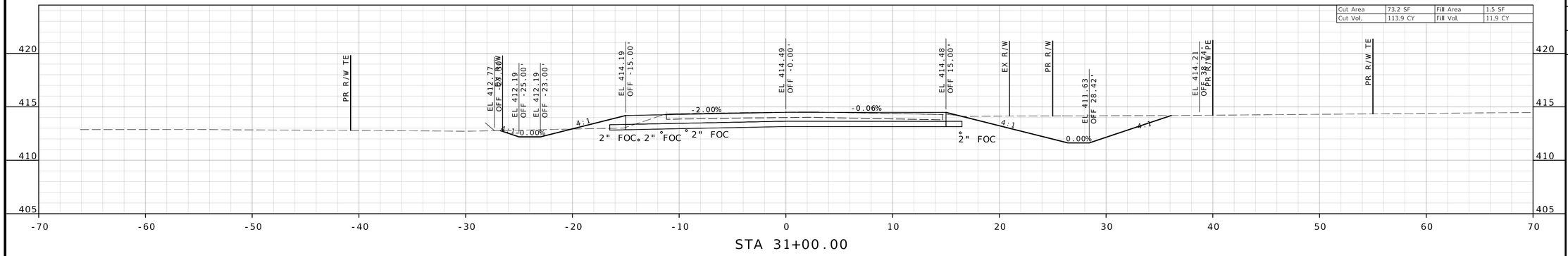
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

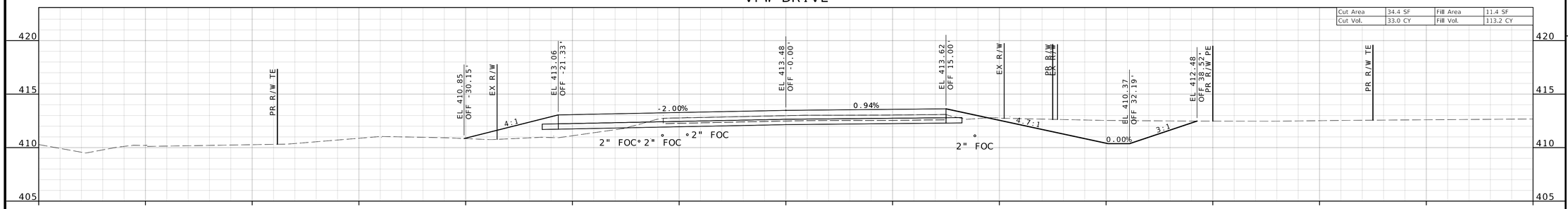
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



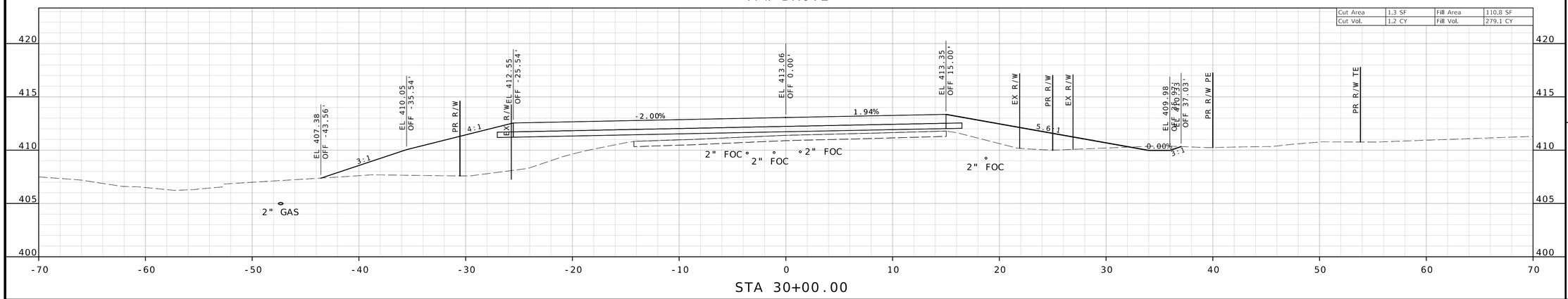
STA 31+00.00

VFW DRIVE



STA 30+50.00

VFW DRIVE



STA 30+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 29

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

CROSS SECTION
SHEET 25 OF 30

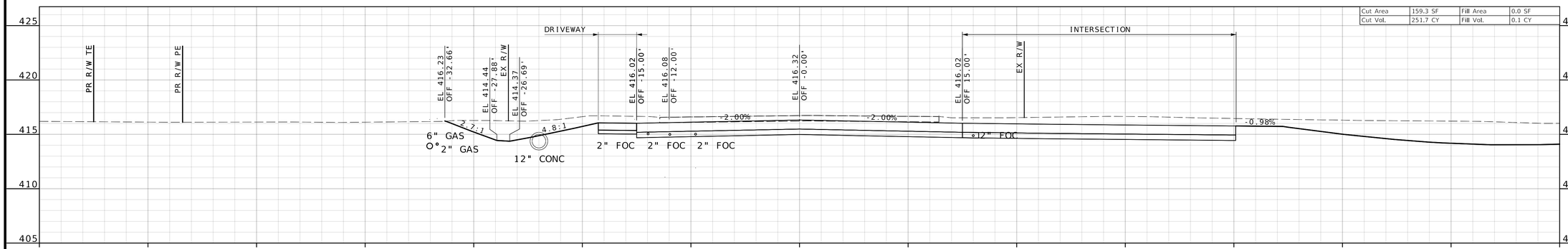
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

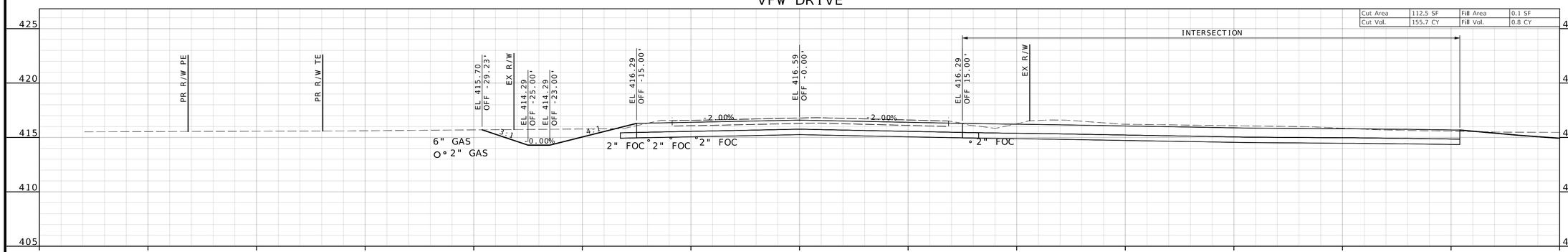
Cut Area	159.3 SF	Fill Area	0.0 SF
Cut Vol.	251.7 CY	Fill Vol.	0.1 CY



STA 32+50.00

VFW DRIVE

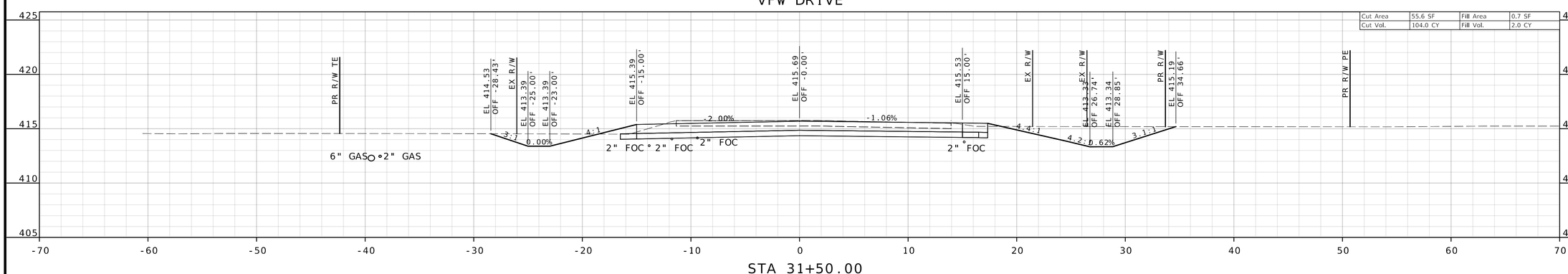
Cut Area	112.5 SF	Fill Area	0.1 SF
Cut Vol.	155.7 CY	Fill Vol.	0.8 CY



STA 32+00.00

VFW DRIVE

Cut Area	55.6 SF	Fill Area	0.7 SF
Cut Vol.	104.0 CY	Fill Vol.	2.0 CY



STA 31+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 30

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043 (314) 344-1500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

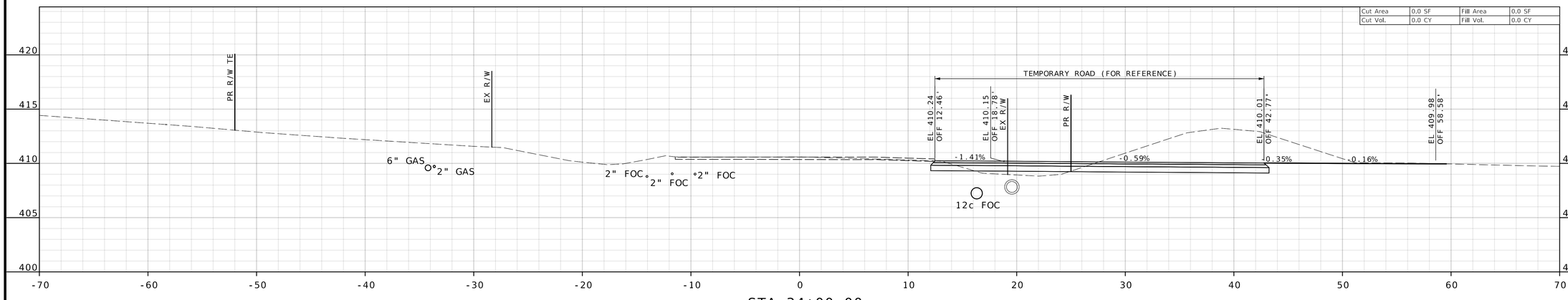
CROSS SECTION
SHEET 26 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

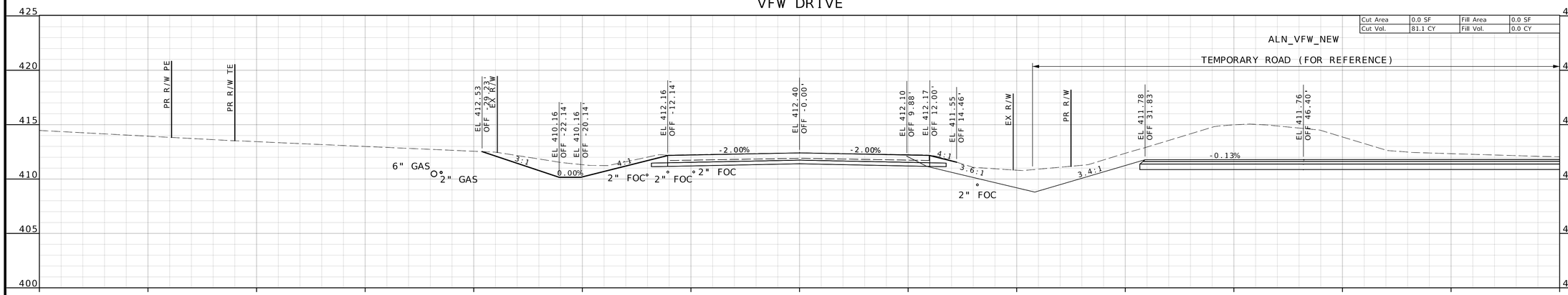
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE



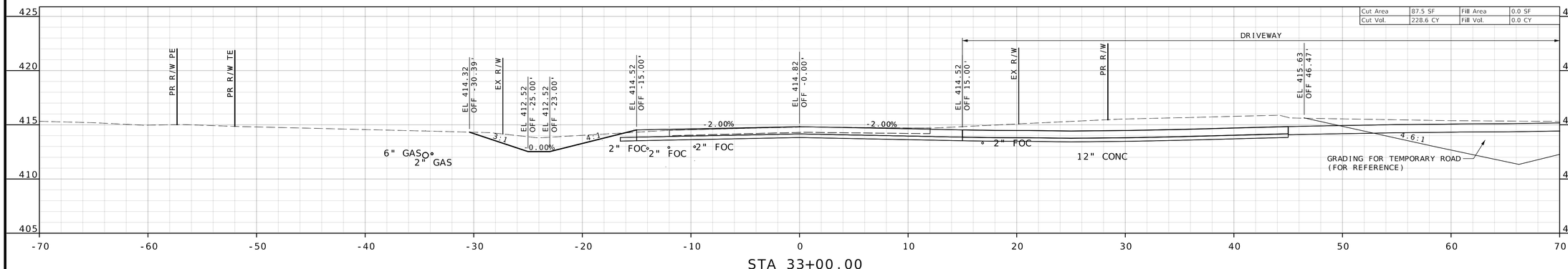
STA 34+00.00

VFW DRIVE



STA 33+50.00

VFW DRIVE



STA 33+00.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 31

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

CROSS SECTION
SHEET 27 OF 30

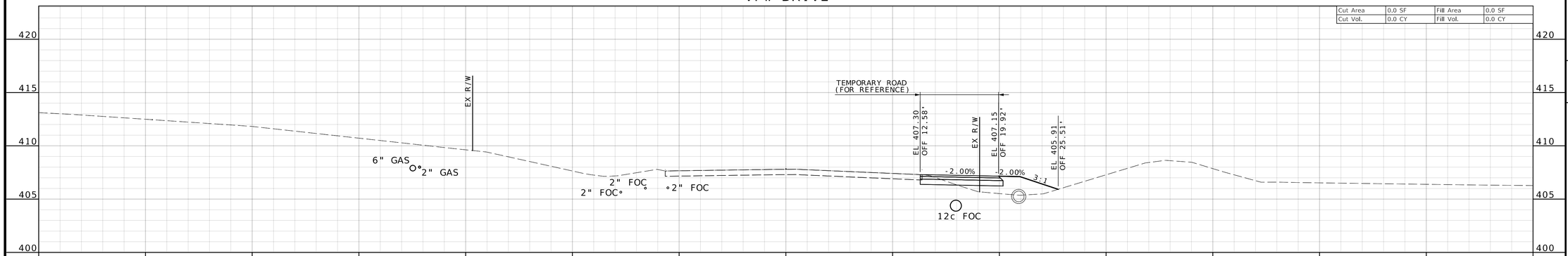
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

VFW DRIVE

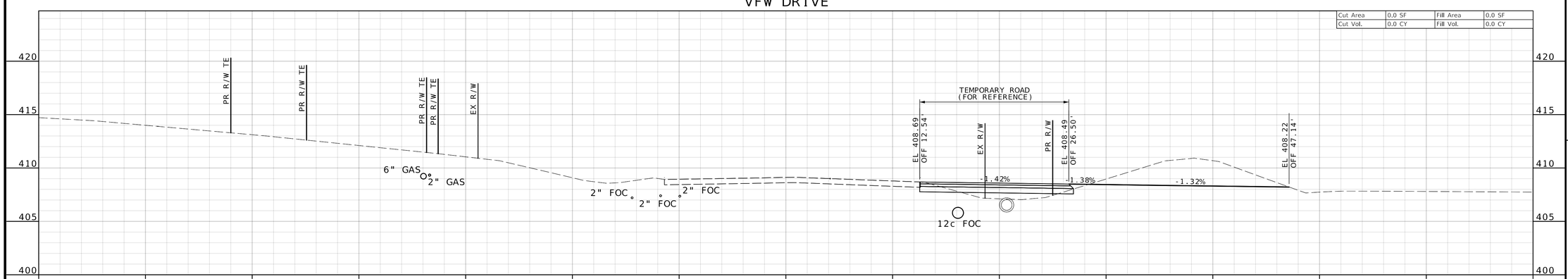
Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY



STA 35+00.00

VFW DRIVE

Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY



STA 34+50.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 32

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

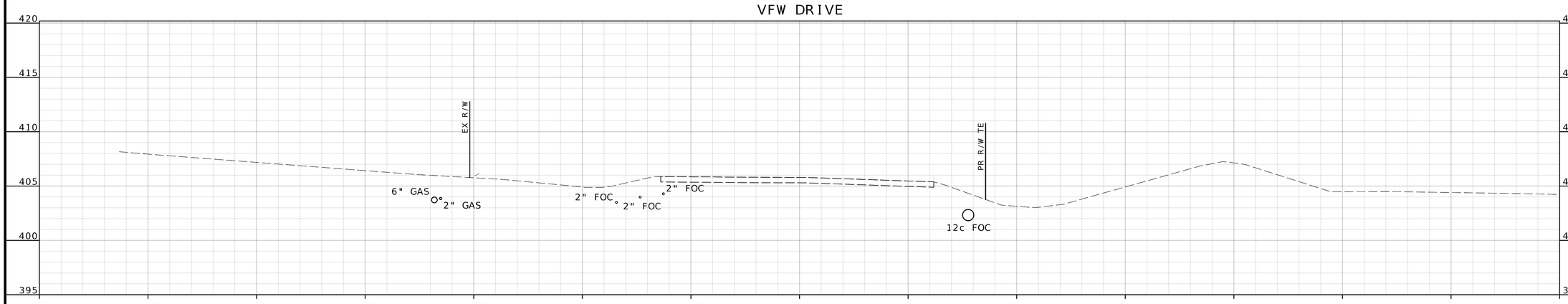
CROSS SECTION
SHEET 28 OF 30

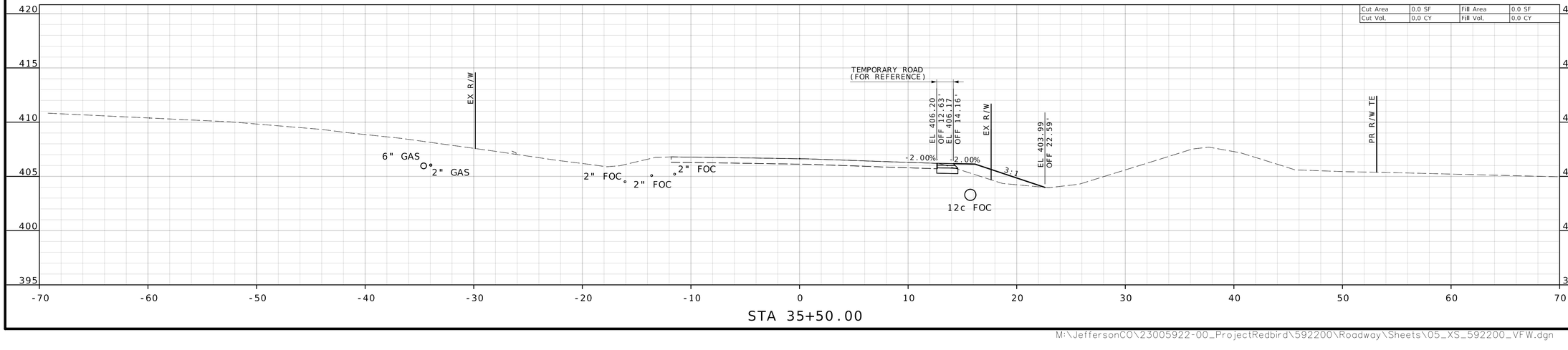
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	33

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 29 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

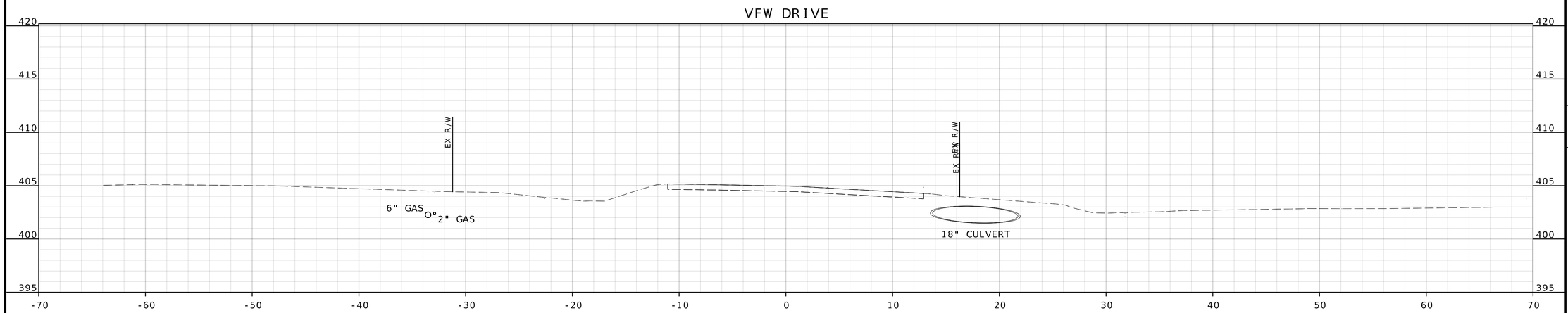
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

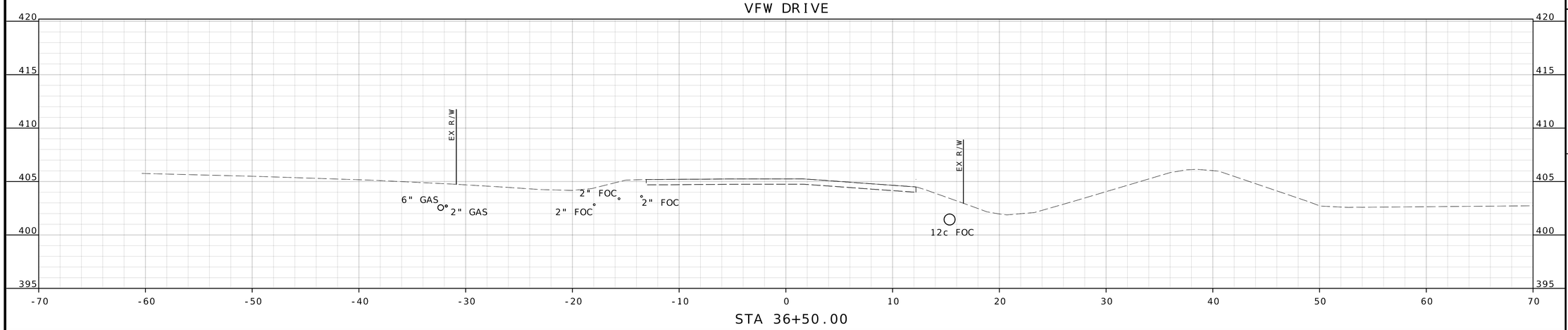
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_VFW.dgn 5:12:19 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	34

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 30 OF 30

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

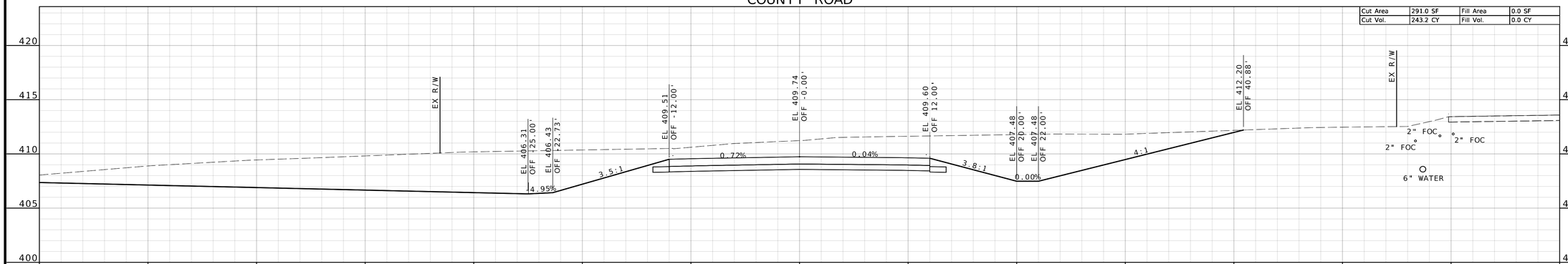
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

COUNTY ROAD

Cut Area	291.0 SF	Fill Area	0.0 SF
Cut Vol.	243.2 CY	Fill Vol.	0.0 CY



STA 10+50.00

COUNTY ROAD

Cut Area	234.4 SF	Fill Area	0.0 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY



STA 10+25.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 35

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

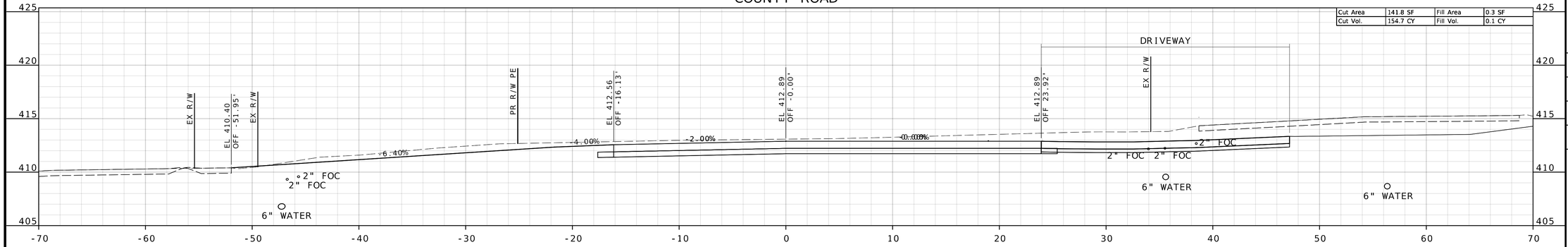
CROSS SECTION
SHEET 1 OF 3

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

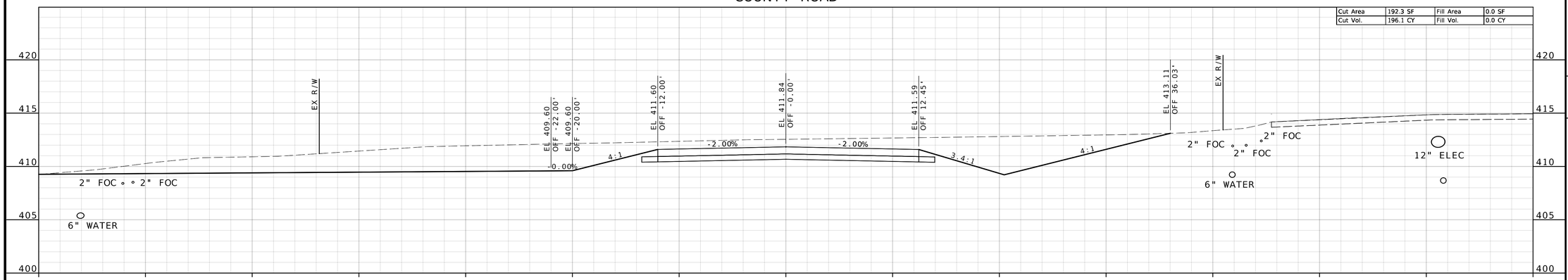
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

COUNTY ROAD



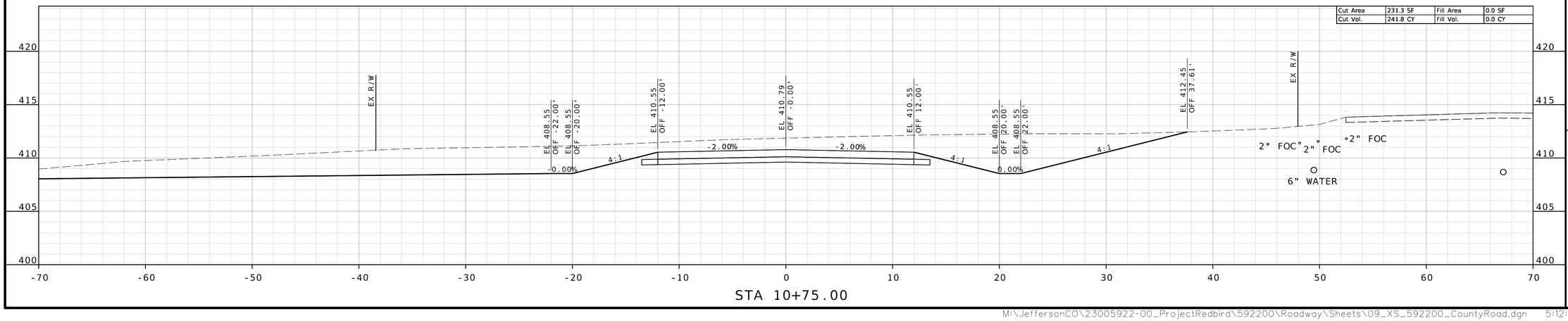
STA 11+25.00

COUNTY ROAD



STA 11+00.00

COUNTY ROAD



STA 10+75.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 36

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 2 OF 3

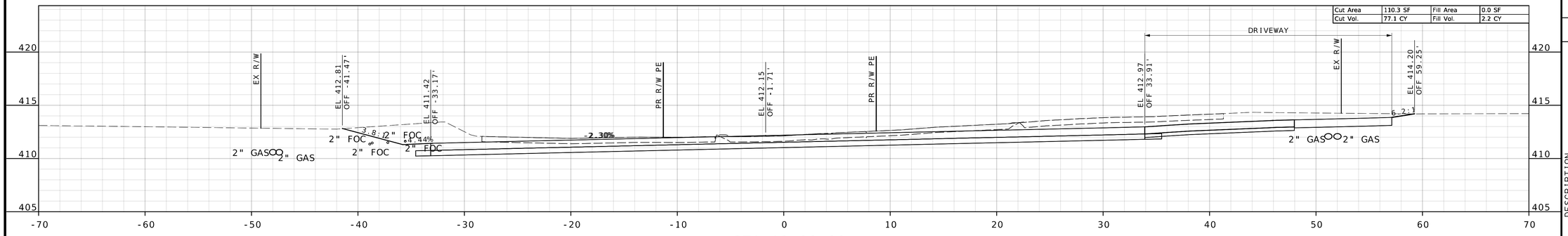
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

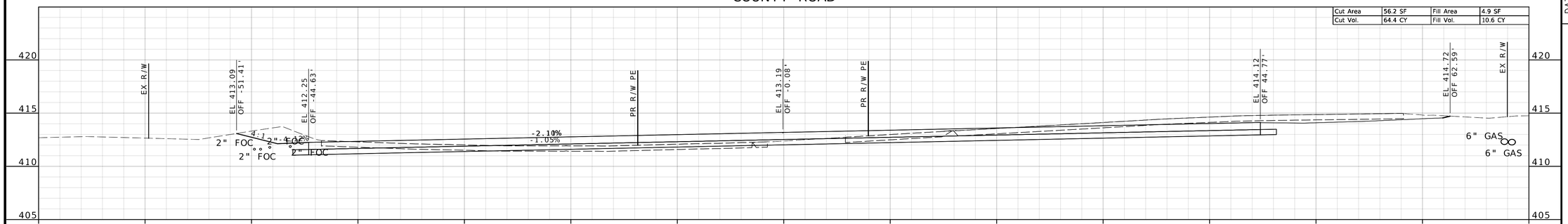
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

COUNTY ROAD



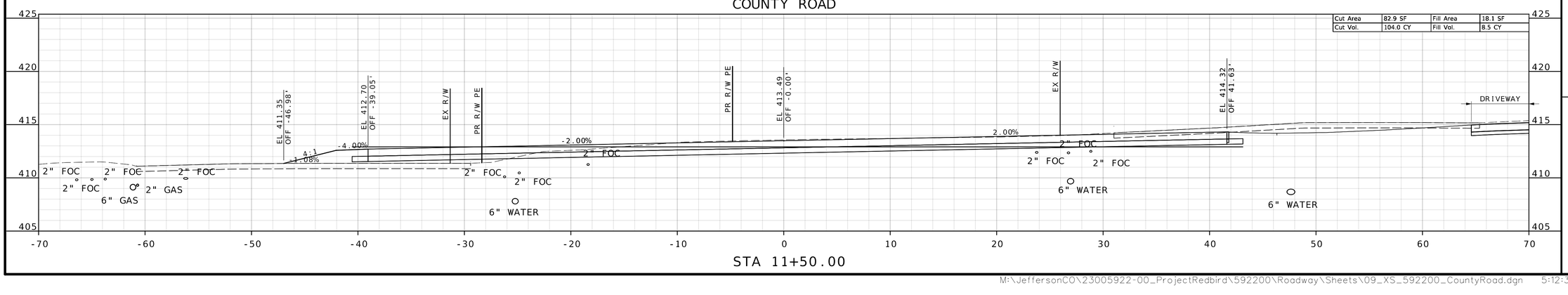
STA 12+00.00

COUNTY ROAD



STA 11+75.00

COUNTY ROAD



STA 11+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 37

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

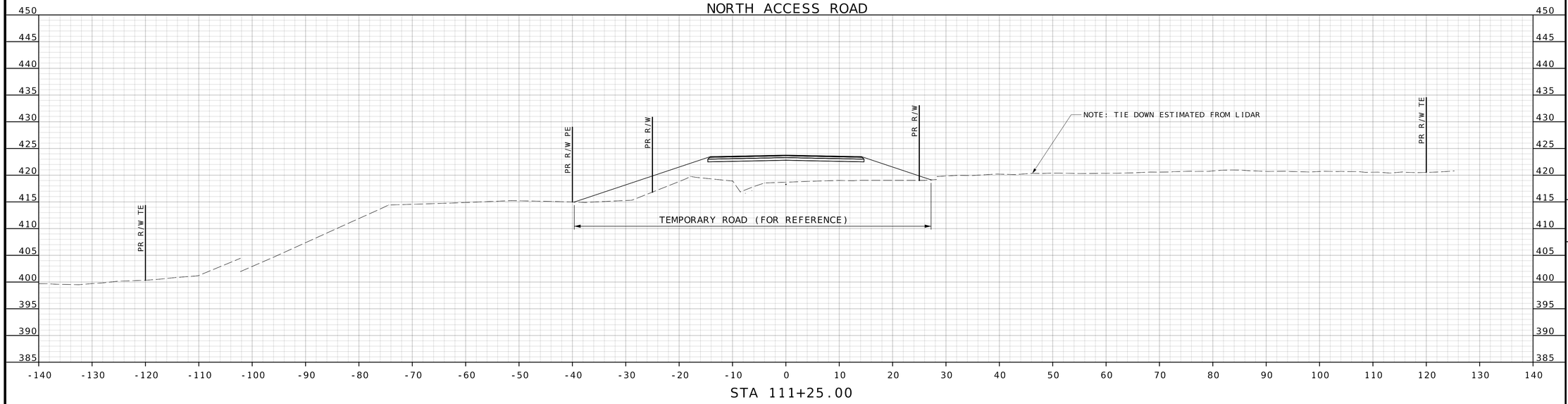
©Stantec CMT Inc.

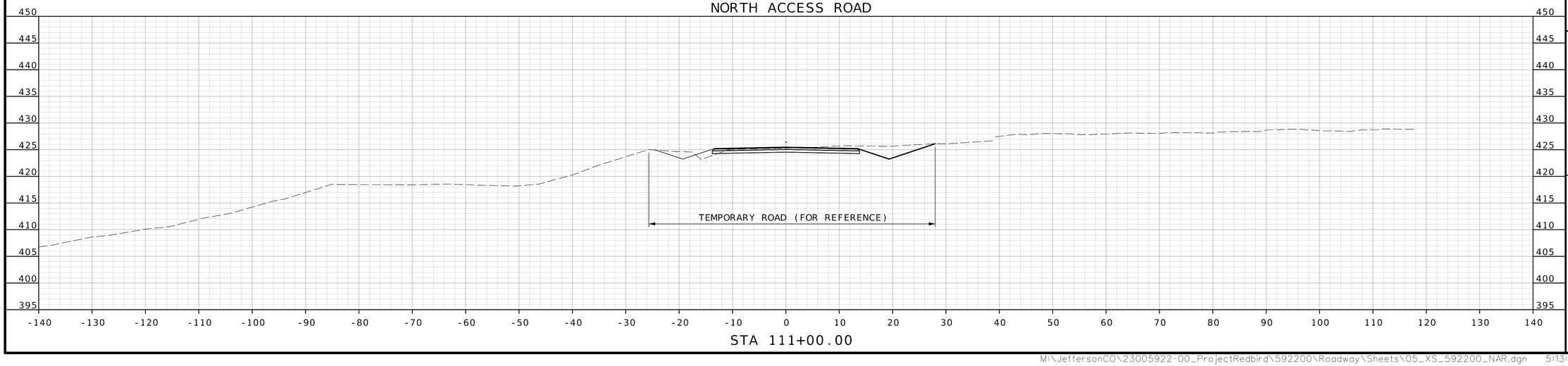
CROSS SECTION
SHEET 3 OF 3

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	38

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 1 OF 14

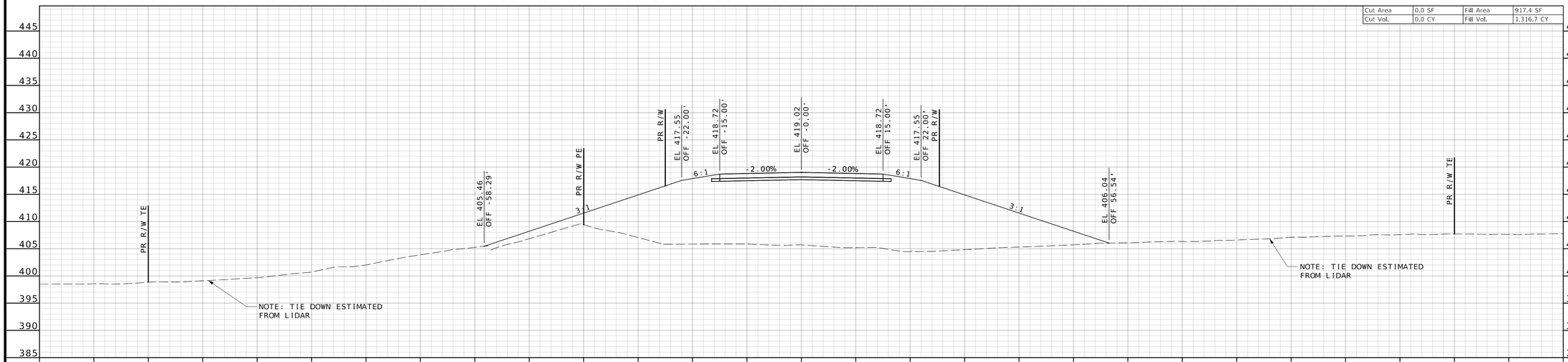
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_NAR.dgn 5:13:00 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

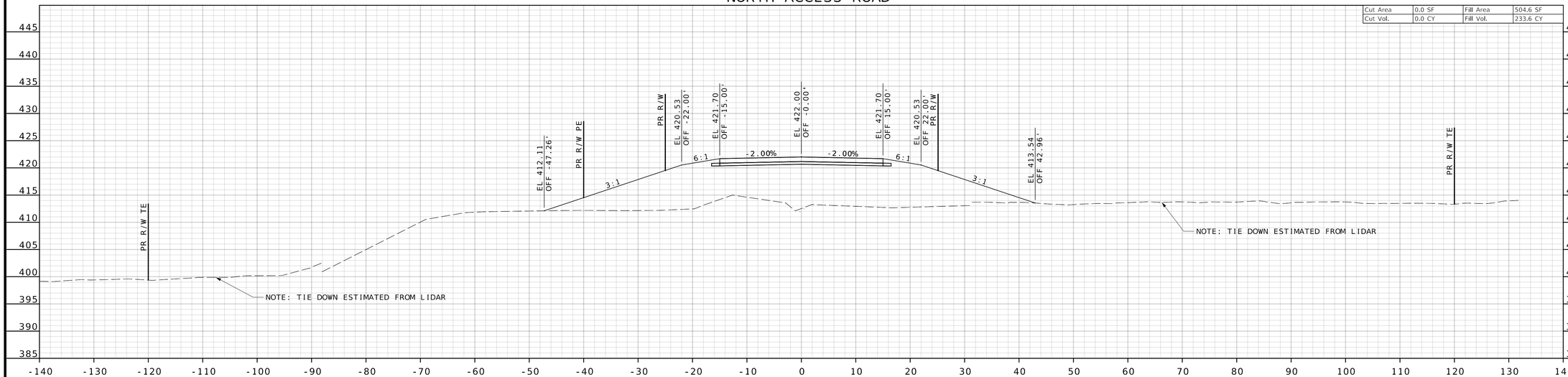
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 112+00.00

NORTH ACCESS ROAD



STA 111+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 39

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stantec CMT Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 2 OF 14

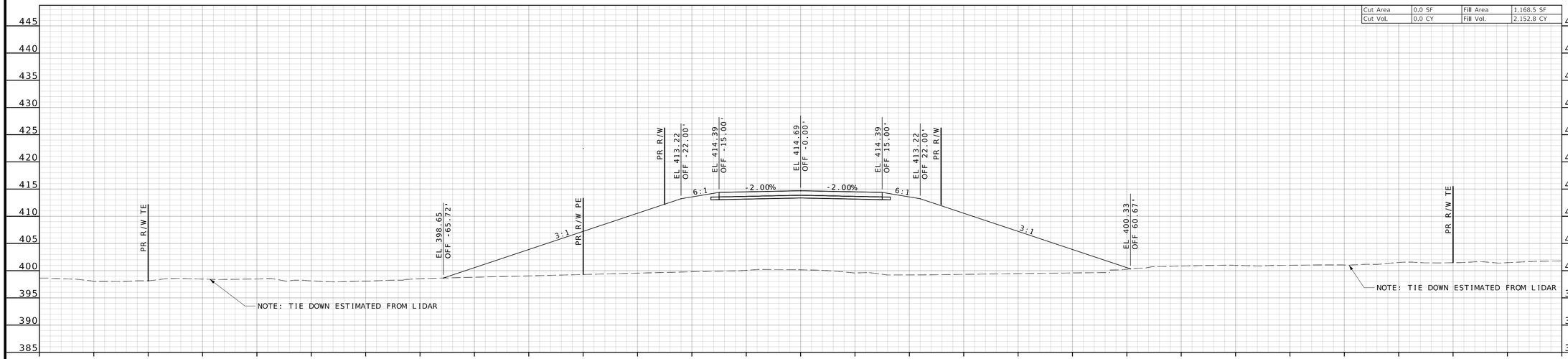
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

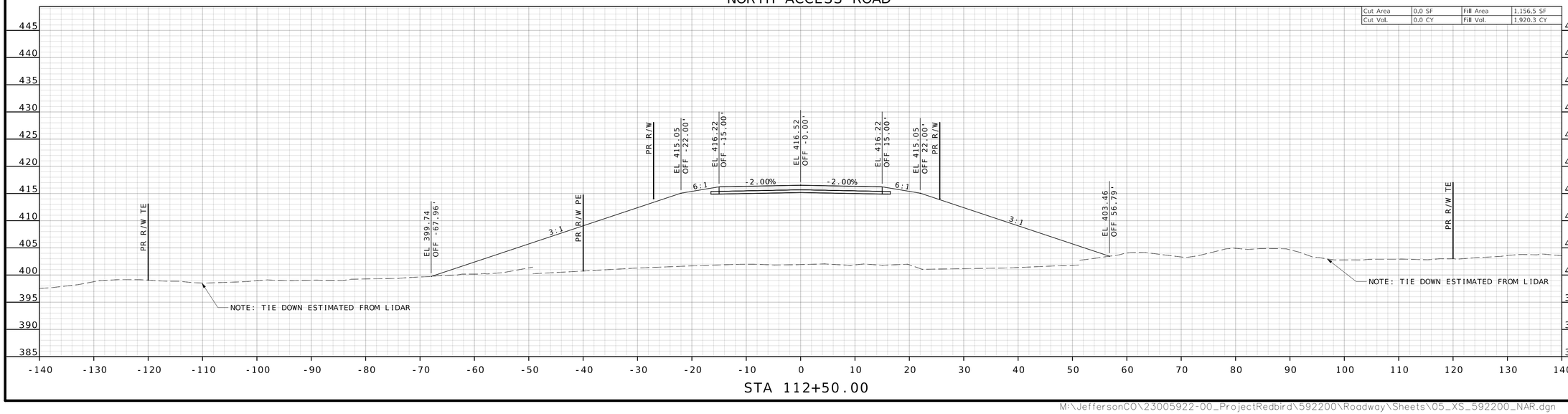
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 113+00.00

NORTH ACCESS ROAD



STA 112+50.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	40

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 63500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

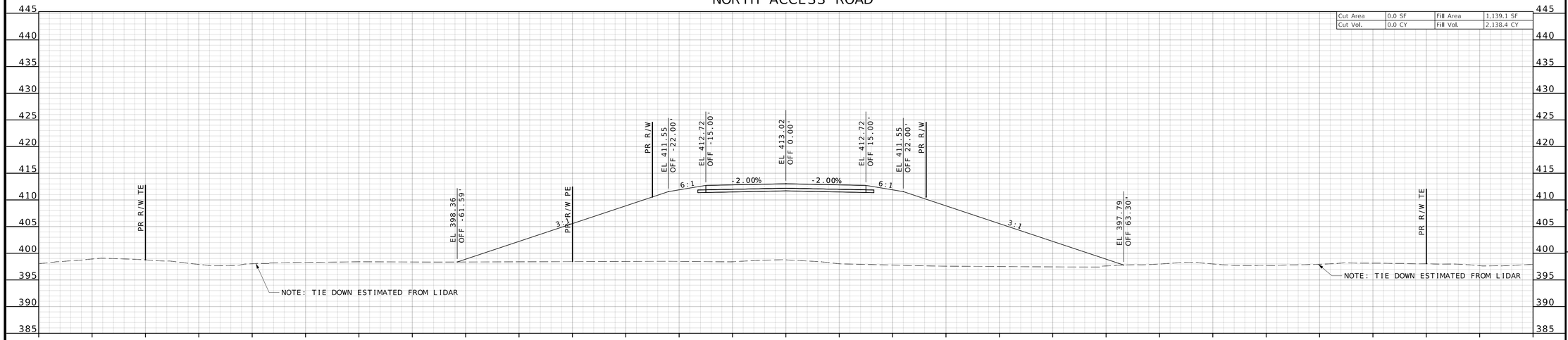
CROSS SECTION
SHEET 3 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

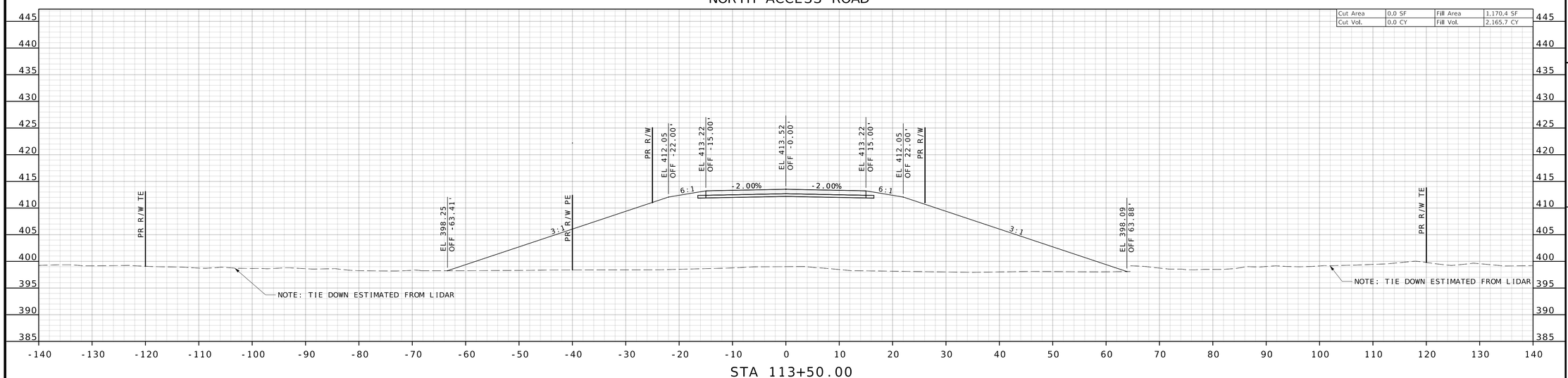
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 114+00.00

NORTH ACCESS ROAD



STA 113+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	41

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

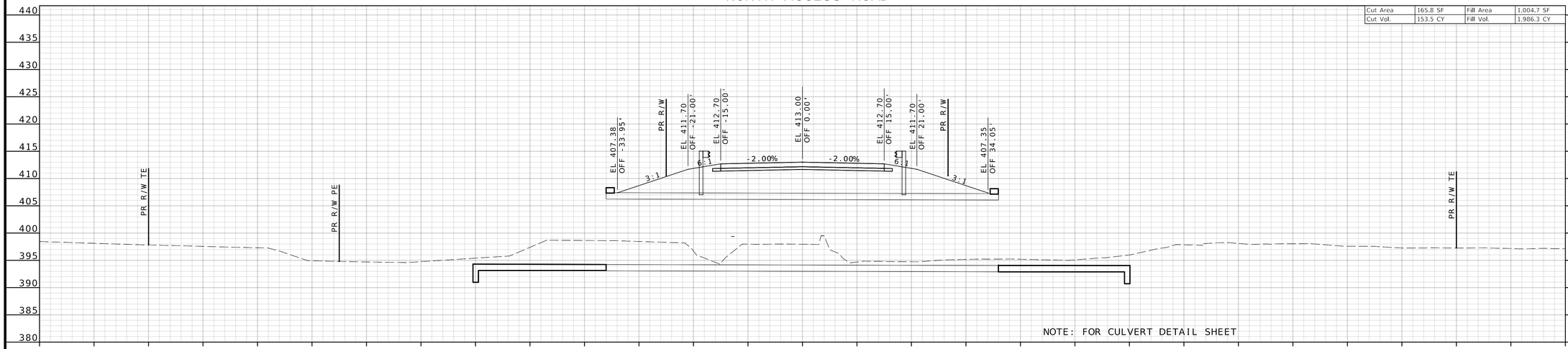
CROSS SECTION
SHEET 4 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

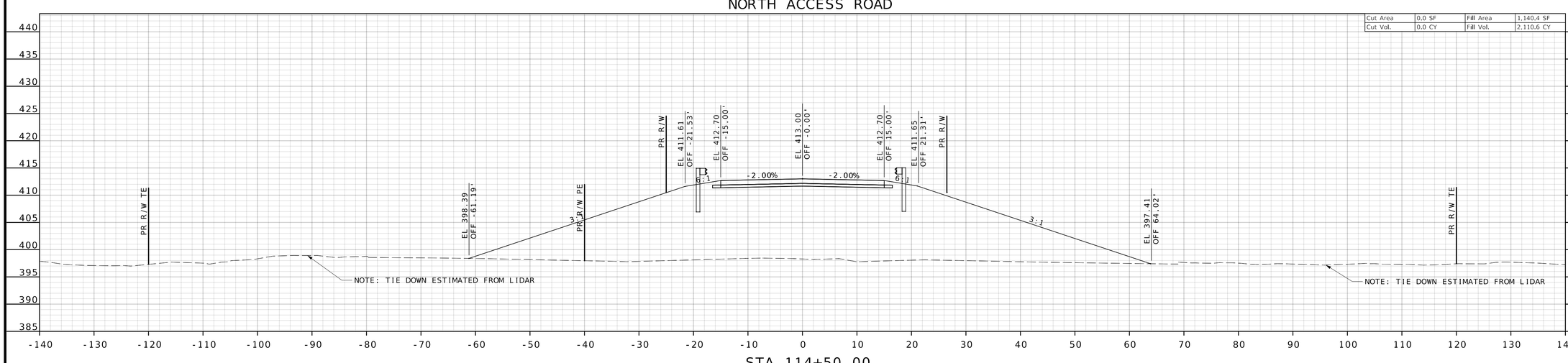
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 115+00.00

NORTH ACCESS ROAD



STA 114+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	42

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 5 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

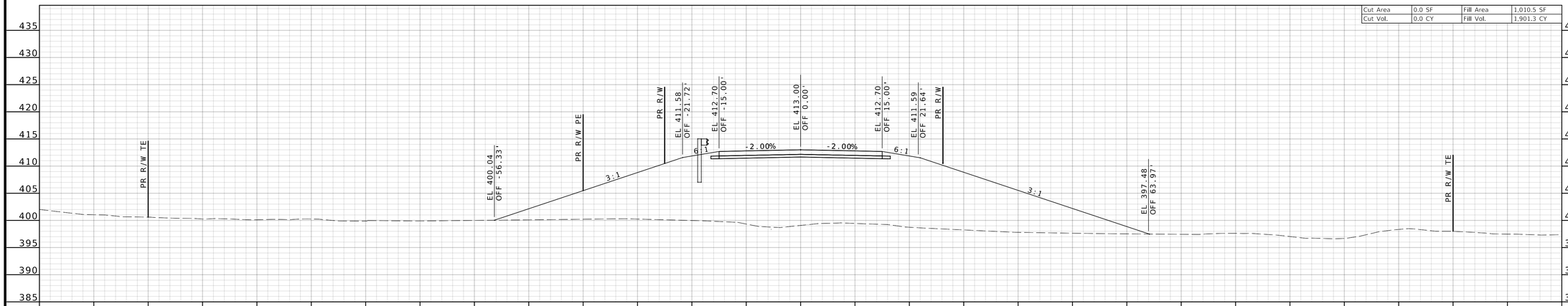
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_NAR.dgn 5:13:10 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

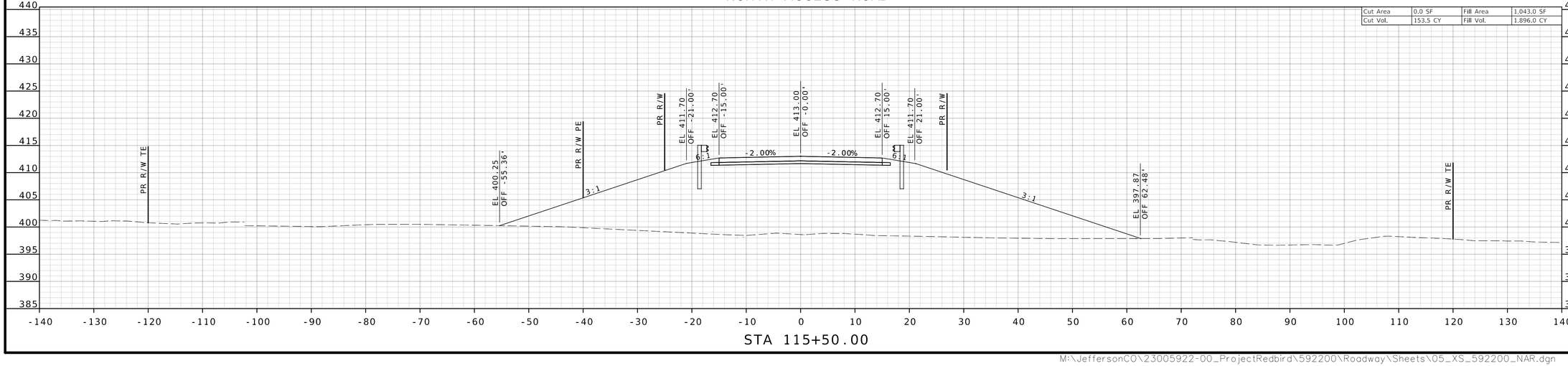
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 116+00.00

NORTH ACCESS ROAD



STA 115+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	43

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 6 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

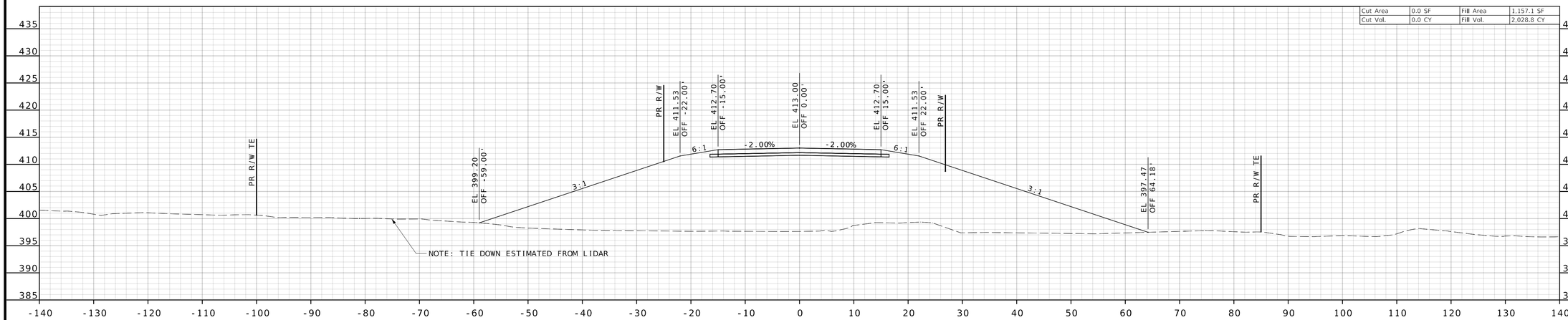
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_NAR.dgn 5:13:12 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

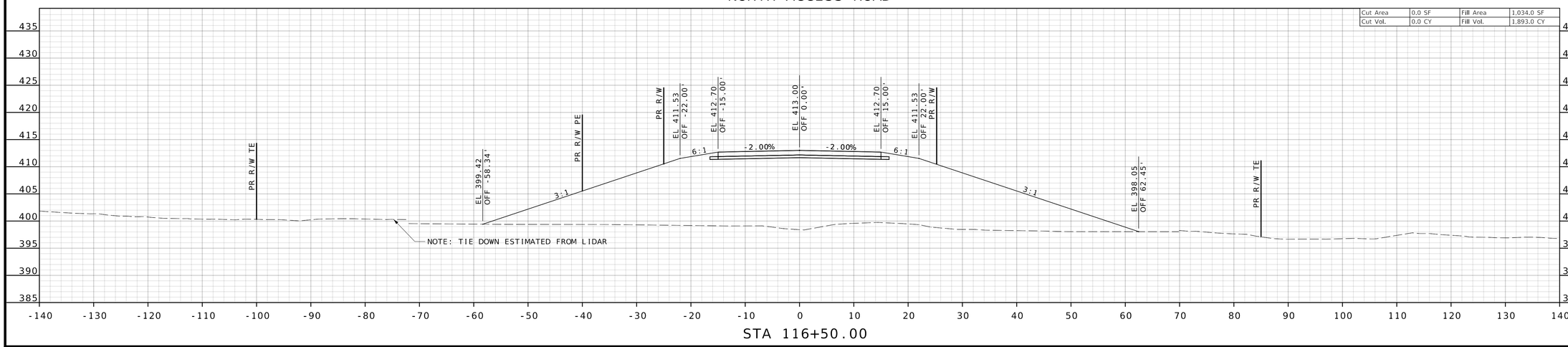
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 117+00.00

NORTH ACCESS ROAD



STA 116+50.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	44

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2405
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

CROSS SECTION
SHEET 7 OF 14

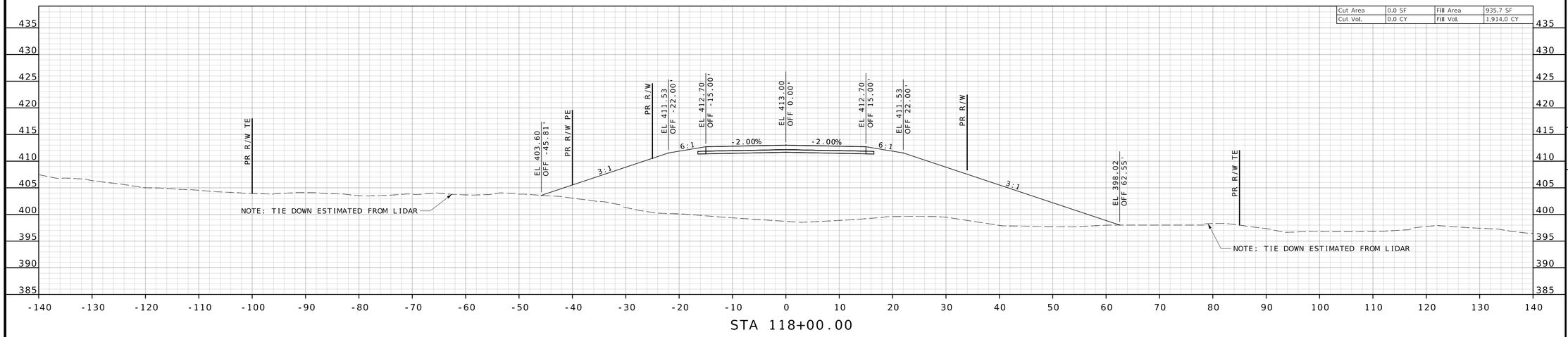
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

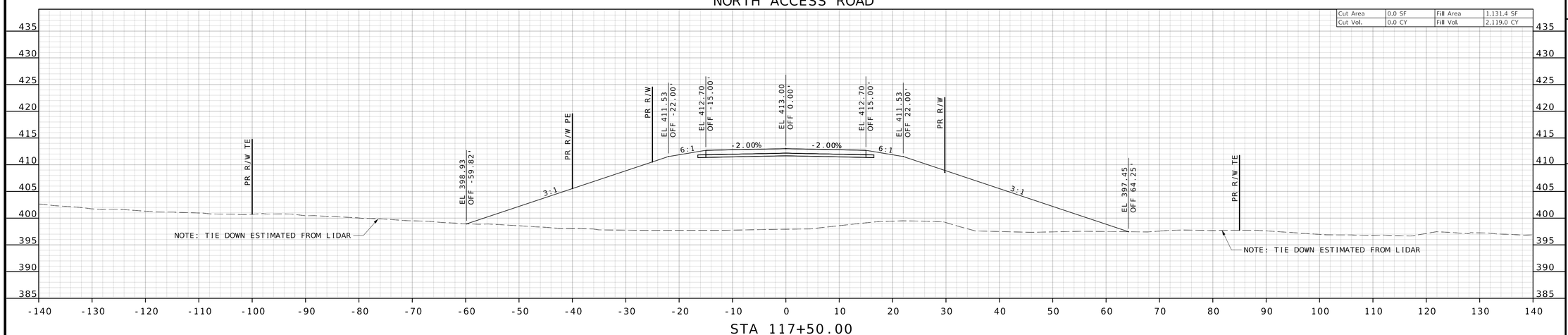
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 118+00.00

NORTH ACCESS ROAD



STA 117+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	45

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Stantec CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 8 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

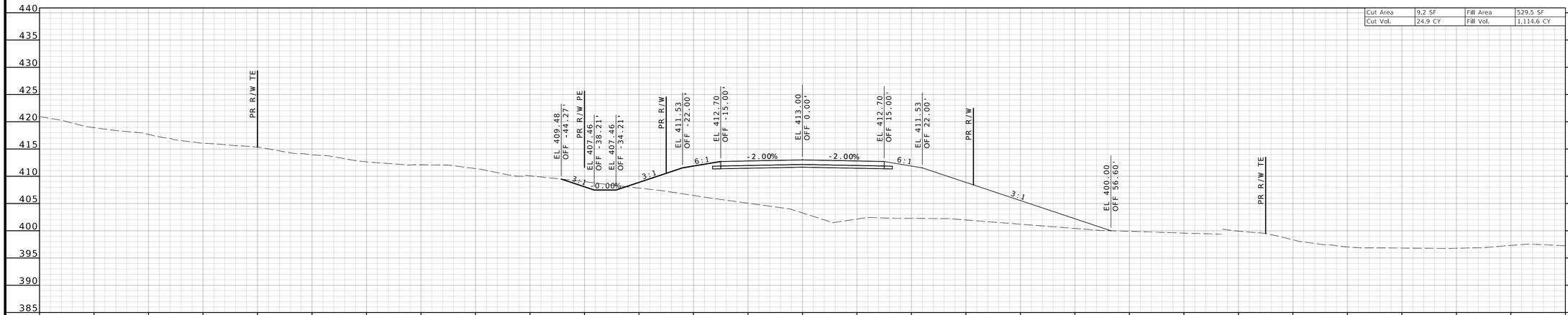
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_NAR.dgn 5:13:17 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

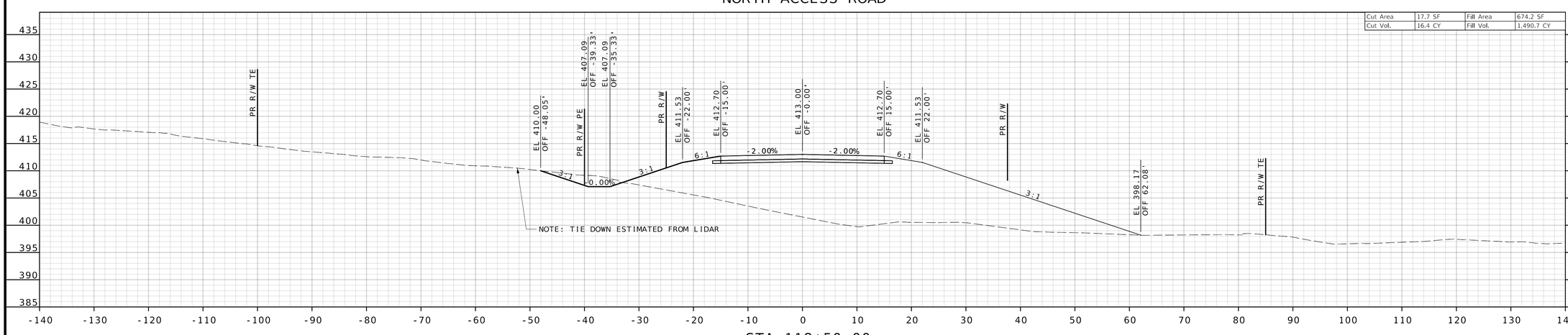
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 119+00.00

NORTH ACCESS ROAD



STA 118+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	46

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63500
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

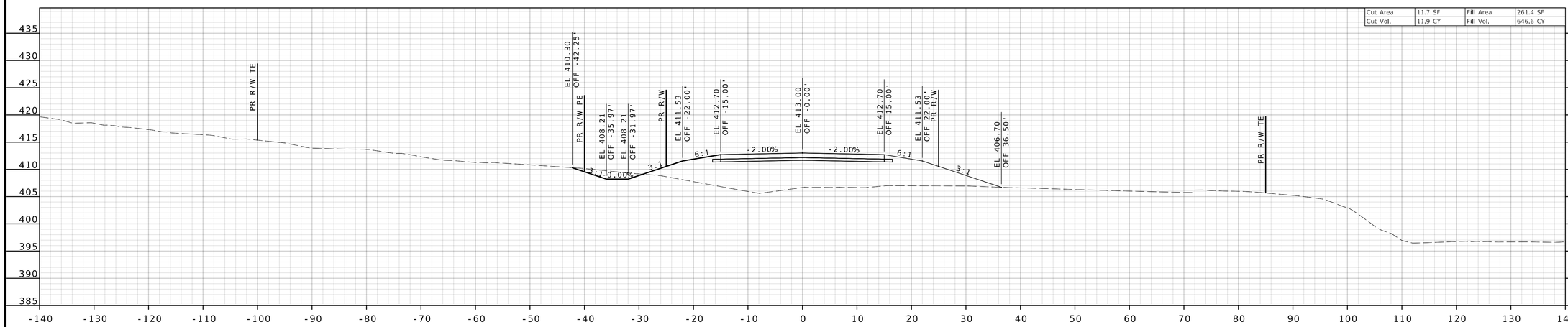
CROSS SECTION
SHEET 9 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

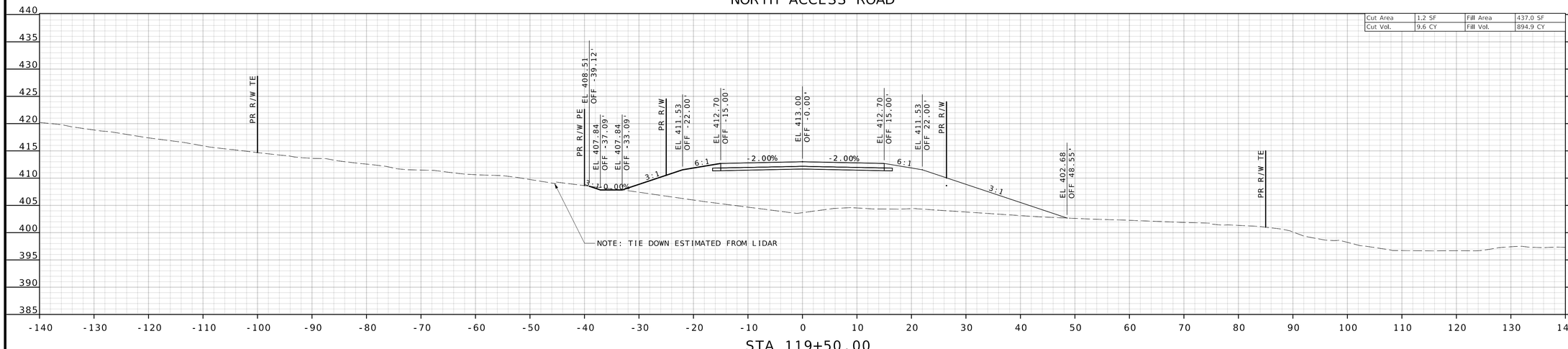
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



STA 120+00.00

NORTH ACCESS ROAD



STA 119+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	47

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 10 OF 14

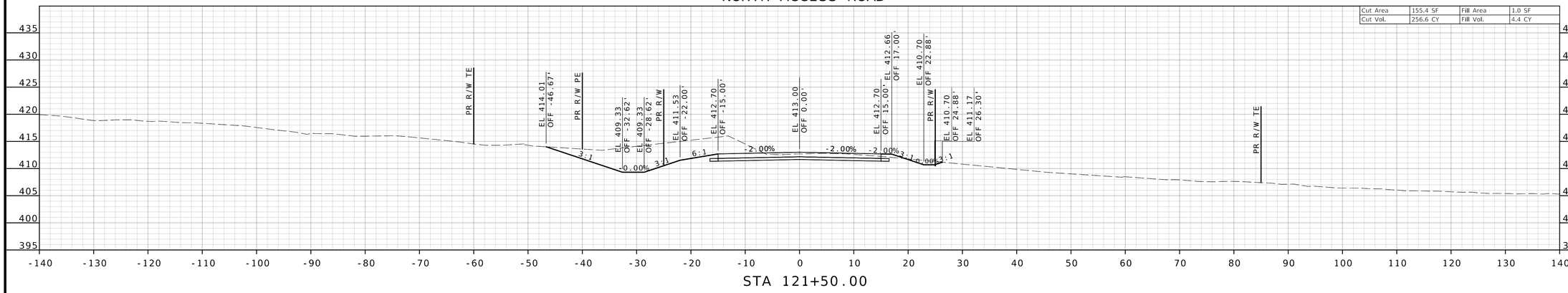
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

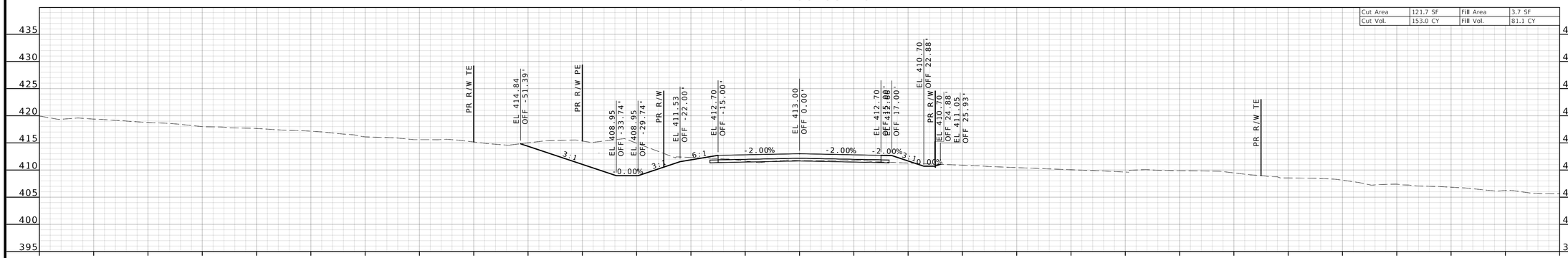
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



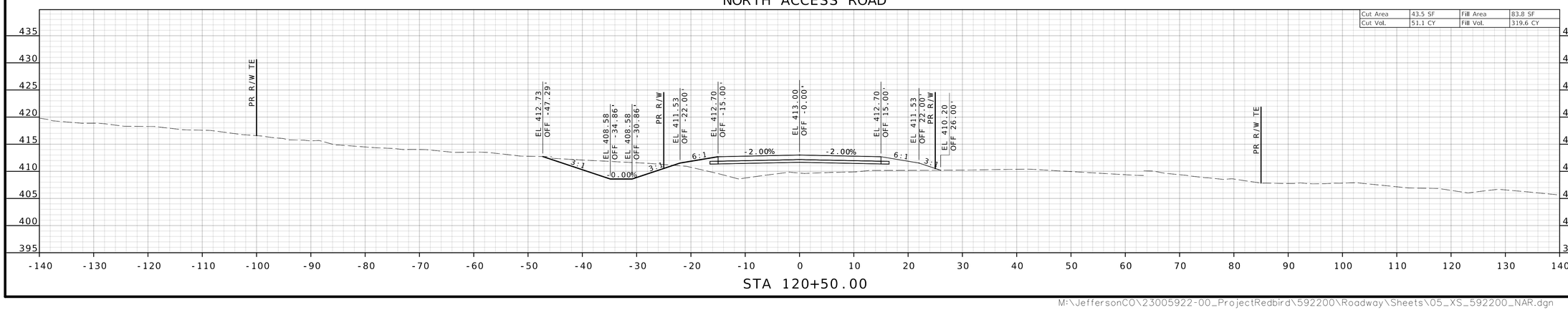
STA 121+50.00

NORTH ACCESS ROAD



STA 121+00.00

NORTH ACCESS ROAD



STA 120+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 48

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Drawing CMT, Inc

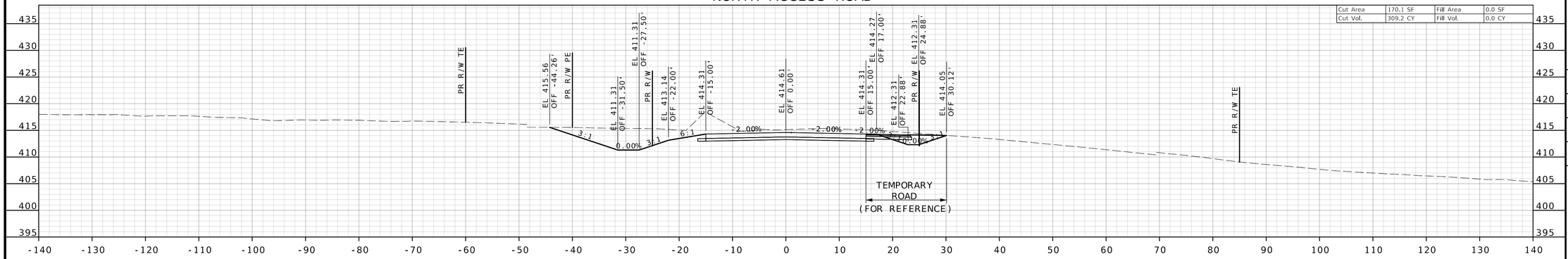
CROSS SECTION
SHEET 11 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

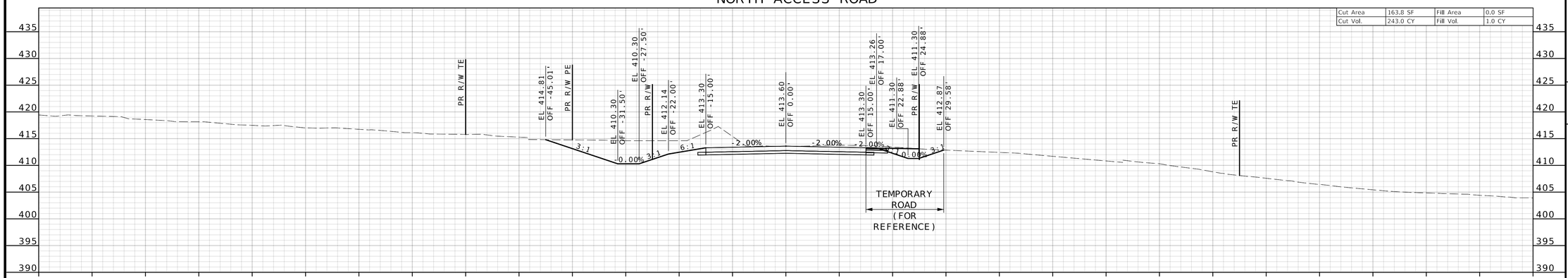
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NORTH ACCESS ROAD



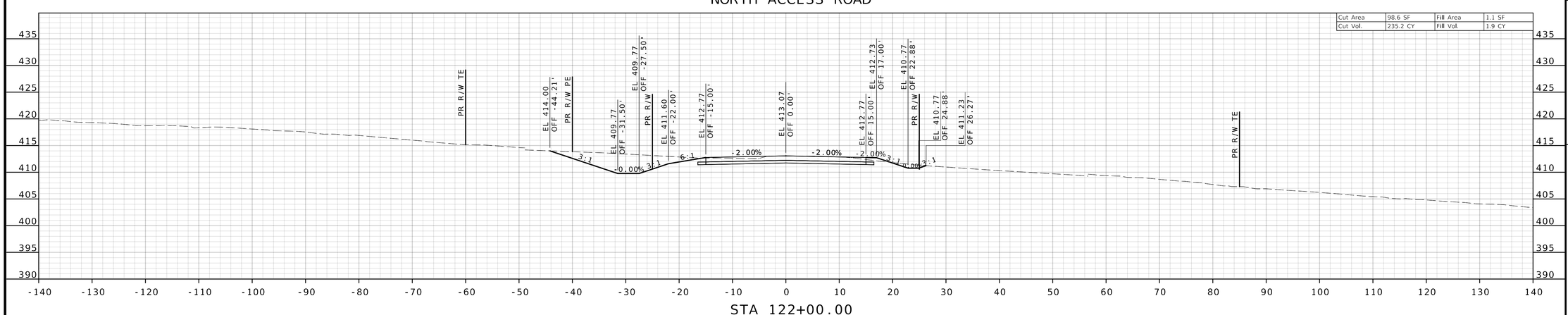
STA 123+00.00

NORTH ACCESS ROAD



STA 122+50.00

NORTH ACCESS ROAD



STA 122+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 49

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63043-3500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

CROSS SECTION
SHEET 12 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

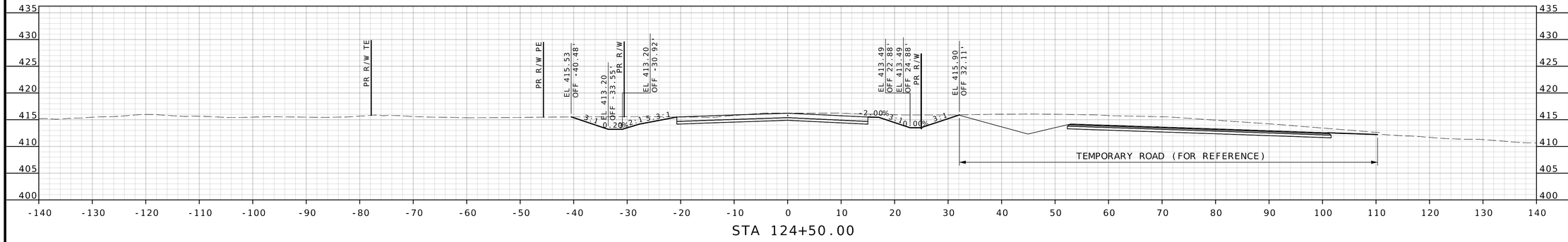
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

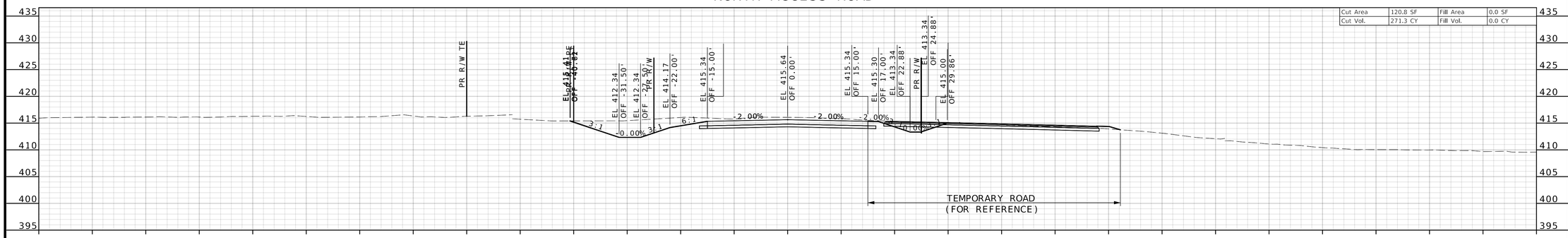
NORTH ACCESS ROAD



STA 124+50.00

NORTH ACCESS ROAD

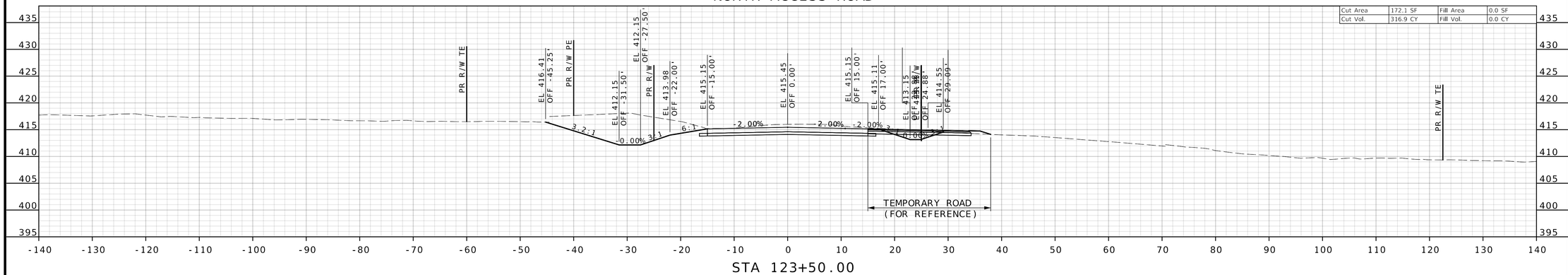
Cut Area	120.8 SF	Fill Area	0.0 SF
Cut Vol.	271.3 CY	Fill Vol.	0.0 CY



STA 124+00.00

NORTH ACCESS ROAD

Cut Area	172.1 SF	Fill Area	0.0 SF
Cut Vol.	316.9 CY	Fill Vol.	0.0 CY



STA 123+50.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	50

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102 314.436.3500
ENGINEERING CORPORATION - 000631

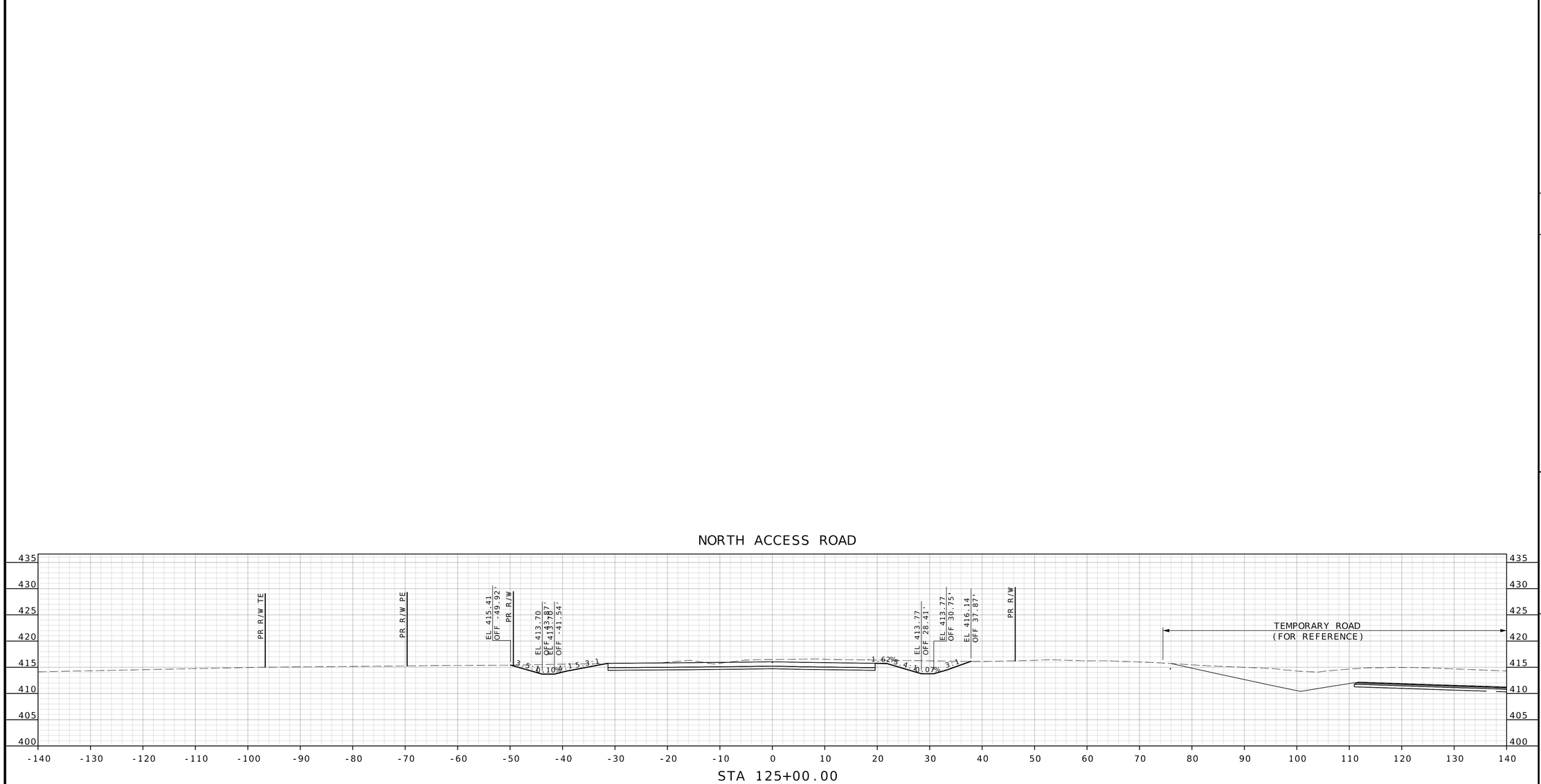
CROSS SECTION
SHEET 13 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	51

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 14 OF 14

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

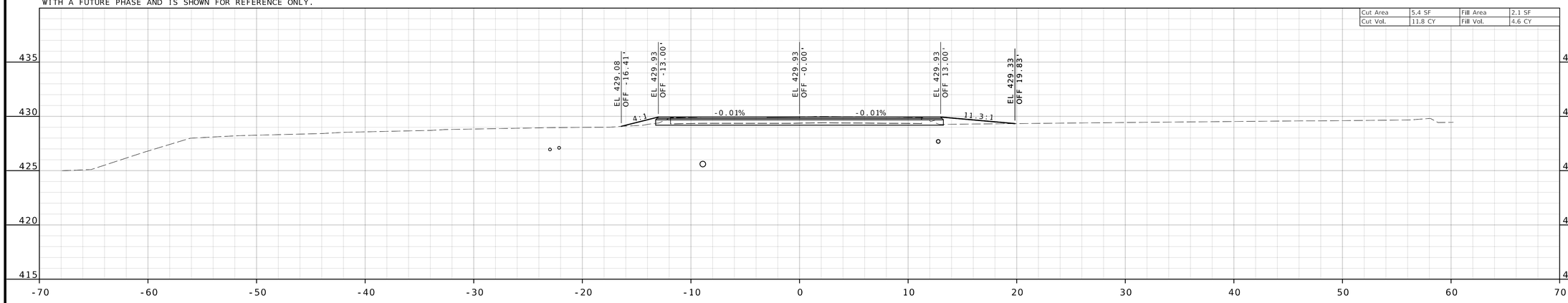
EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTE: WORK BEYOND STA 32+03.02 IS TO BE CONSTRUCTED WITH A FUTURE PHASE AND IS SHOWN FOR REFERENCE ONLY.

BASELINE PROP AIRPORT

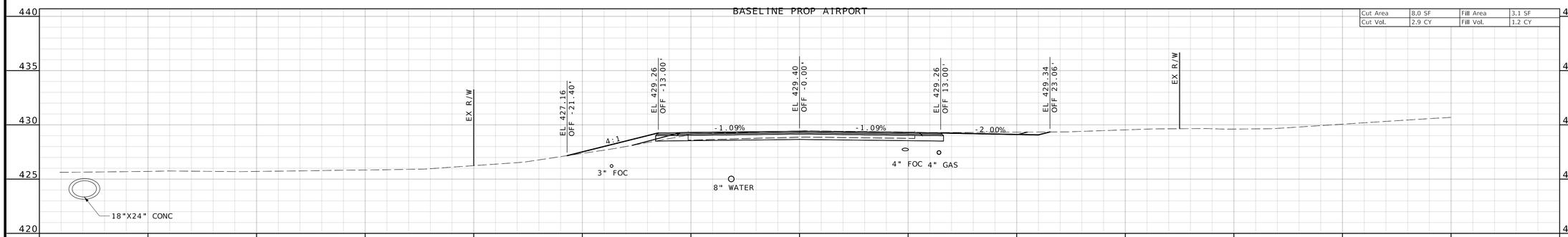
Cut Area	5.4 SF	Fill Area	2.1 SF
Cut Vol.	11.8 CY	Fill Vol.	4.6 CY



STA 32+47.68

BASELINE PROP AIRPORT

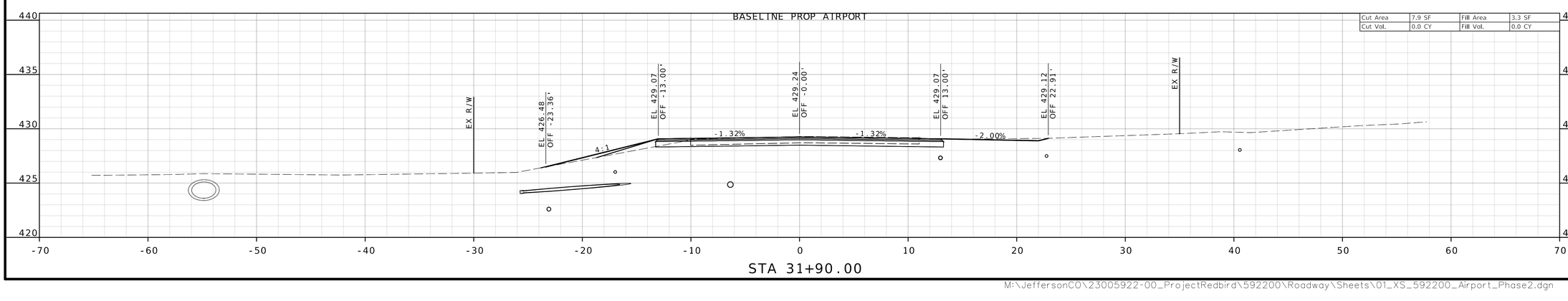
Cut Area	8.0 SF	Fill Area	3.1 SF
Cut Vol.	2.9 CY	Fill Vol.	1.2 CY



STA 32+00.00

BASELINE PROP AIRPORT

Cut Area	7.9 SF	Fill Area	3.3 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY



STA 31+90.00

TODD EHLEN
NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 52

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

CROSS SECTION
SHEET 1 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

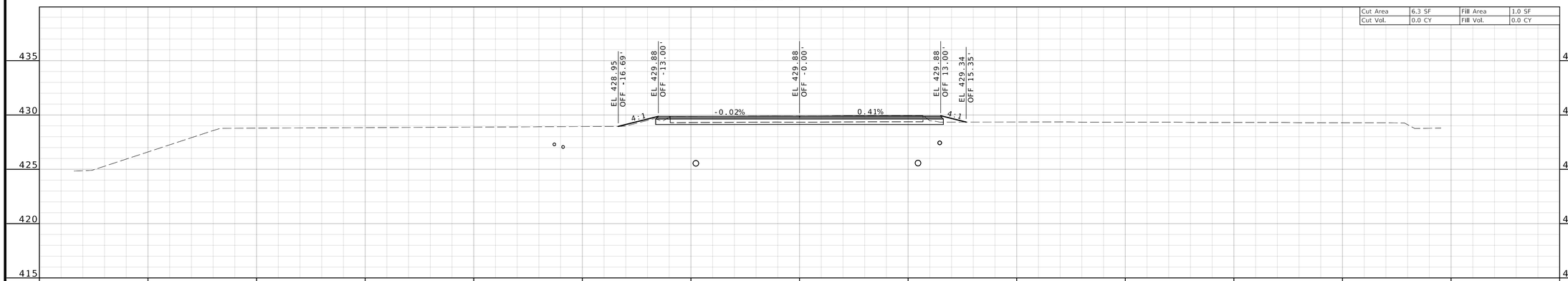
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

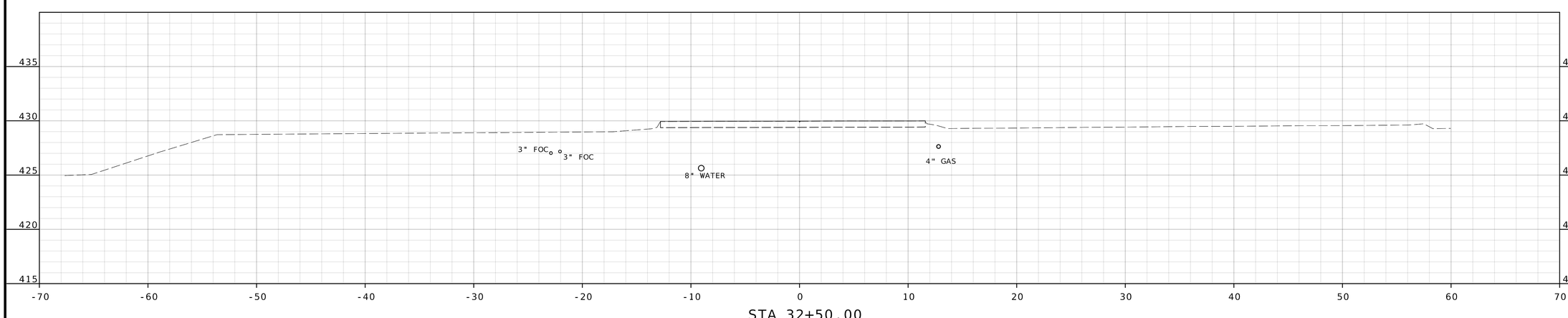
NOTE: WORK BEYOND STA 32+03.02 IS TO BE CONSTRUCTED WITH A FUTURE PHASE AND IS SHOWN FOR REFERENCE ONLY.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASELINE PROP AIRPORT



STA 32+58.09



STA 32+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	53

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 2 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

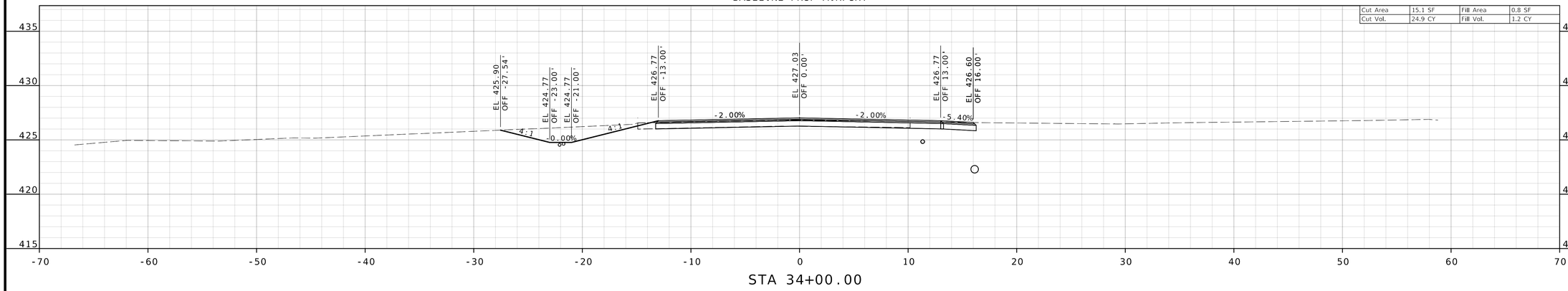
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_XS_592200_Airport_Phase2.dgn 5:14:11 PM 10/16/2024

EXISTING UTILITES DEPTHS ARE SHOWN BASED UPON ANTICIPATED NOMINAL DEPTH. POTHOLE OF UTILITIES HAS NOT BEEN PERFORMED. CONTRACTORS SHALL VERIFY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.

NOTE: WORK BEYOND STA 32+03.02 IS TO BE CONSTRUCTED WITH A FUTURE PHASE AND IS SHOWN FOR REFERENCE ONLY.

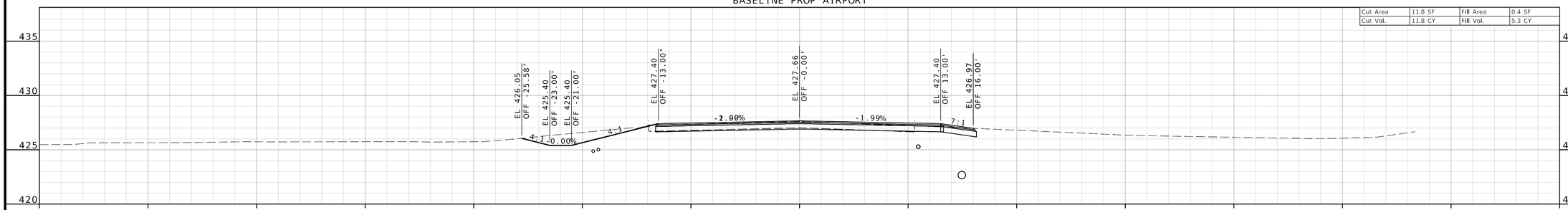
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

BASELINE PROP AIRPORT



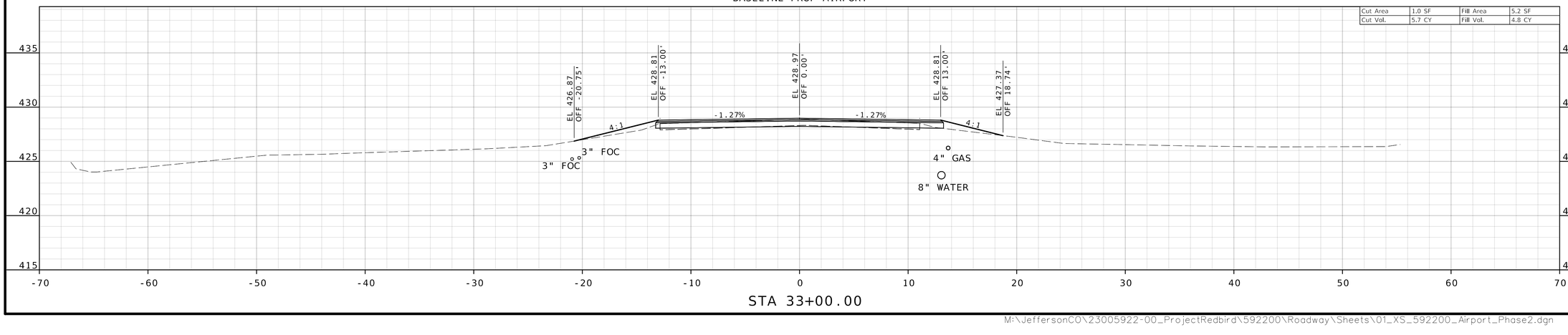
STA 34+00.00

BASELINE PROP AIRPORT



STA 33+50.00

BASELINE PROP AIRPORT



STA 33+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO
SHEET NO. 54

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

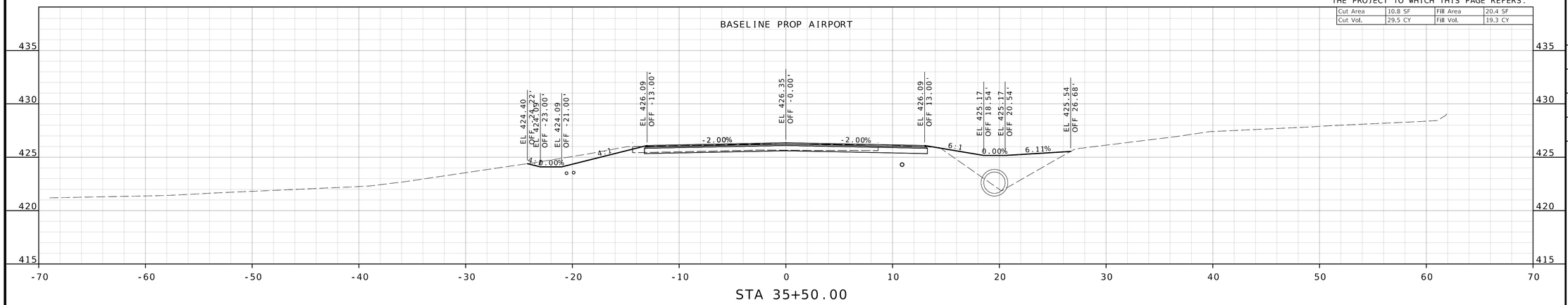
CROSS SECTION
SHEET 3 OF 5

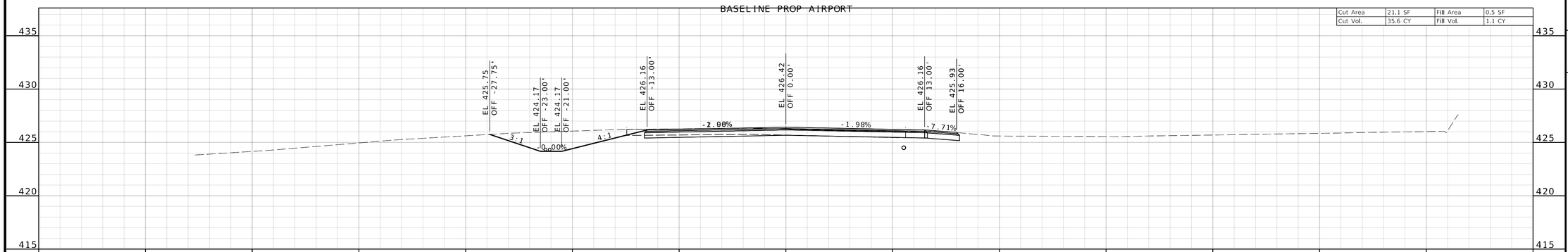
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

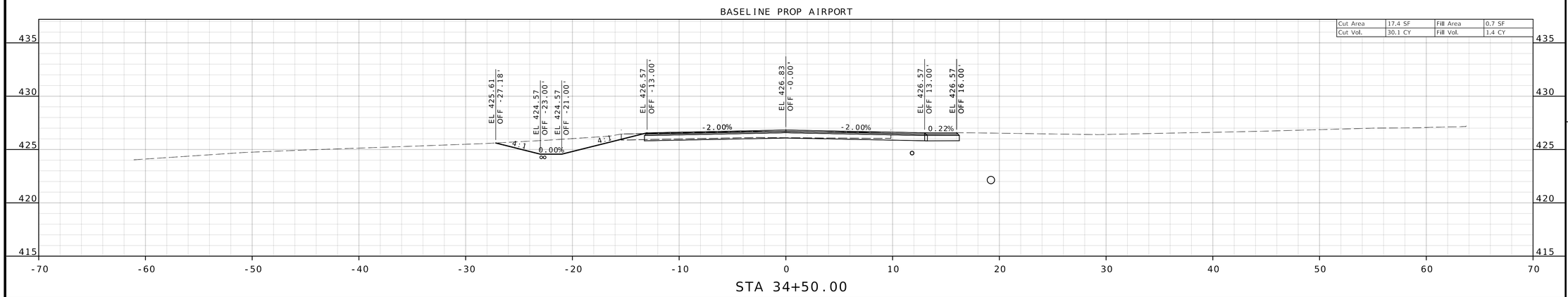
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

NOTE: WORK BEYOND STA 32+03.02 IS TO BE CONSTRUCTED WITH A FUTURE PHASE AND IS SHOWN FOR REFERENCE ONLY.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.







TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO
SHEET NO. 55

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

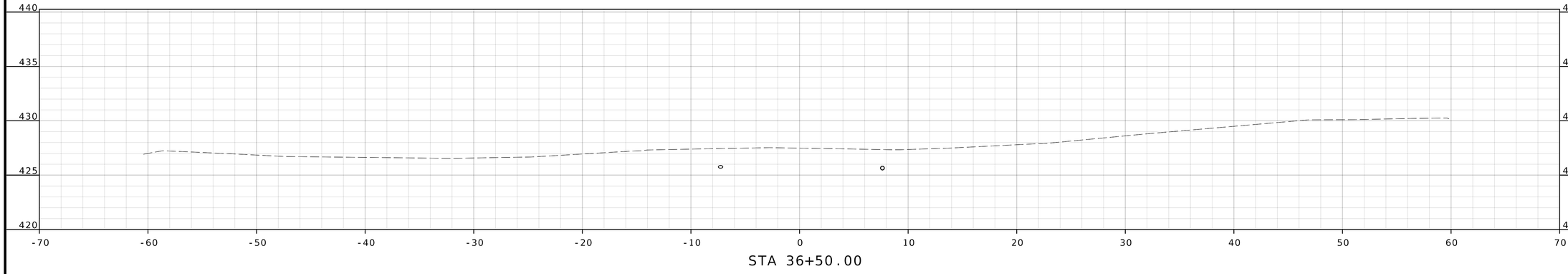
CROSS SECTION
SHEET 4 OF 5

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

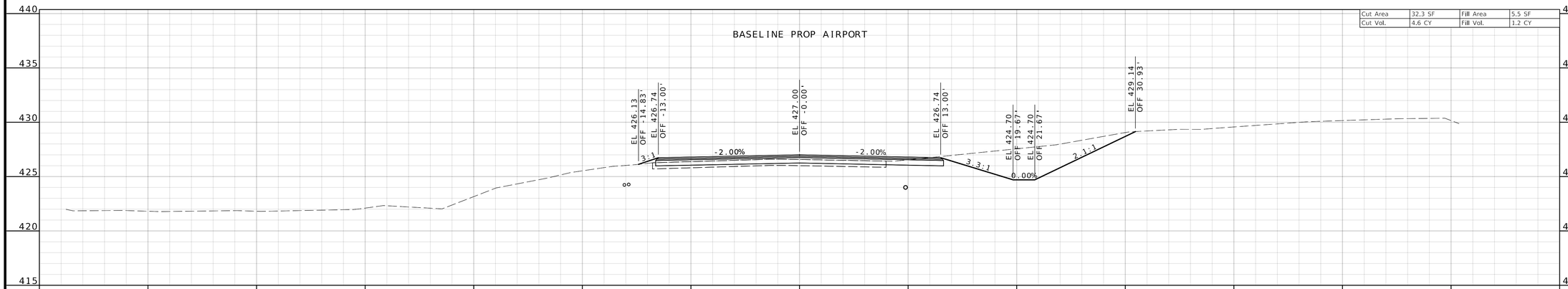
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_XS_592200_Airport_Phase2.dgn 5:14:17 PM 10/16/2024

NOTE: WORK BEYOND STA 32+03.02 IS TO BE CONSTRUCTED WITH A FUTURE PHASE AND IS SHOWN FOR REFERENCE ONLY.

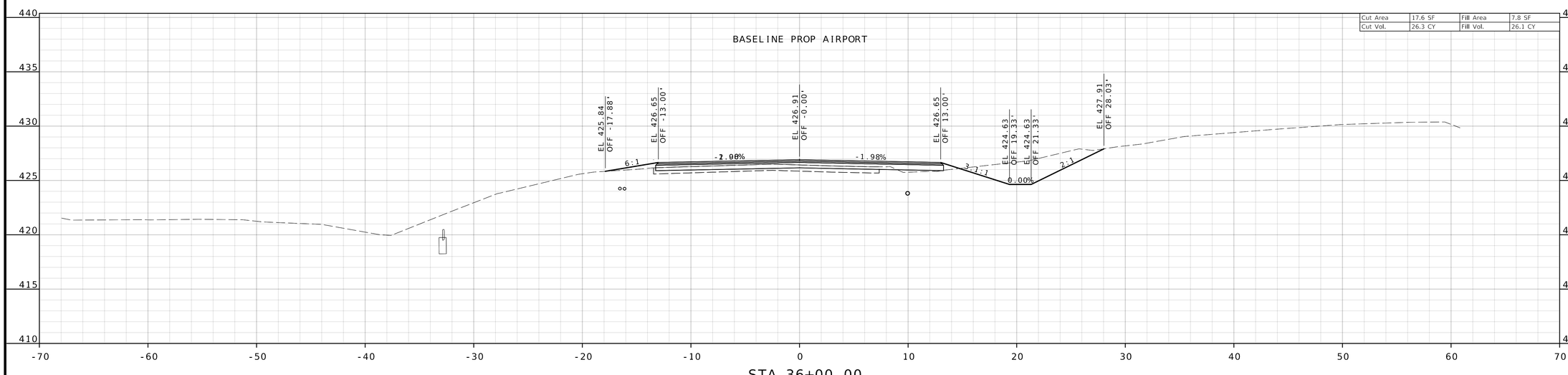
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 36+50.00



STA 36+05.00



STA 36+00.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN
NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 56

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

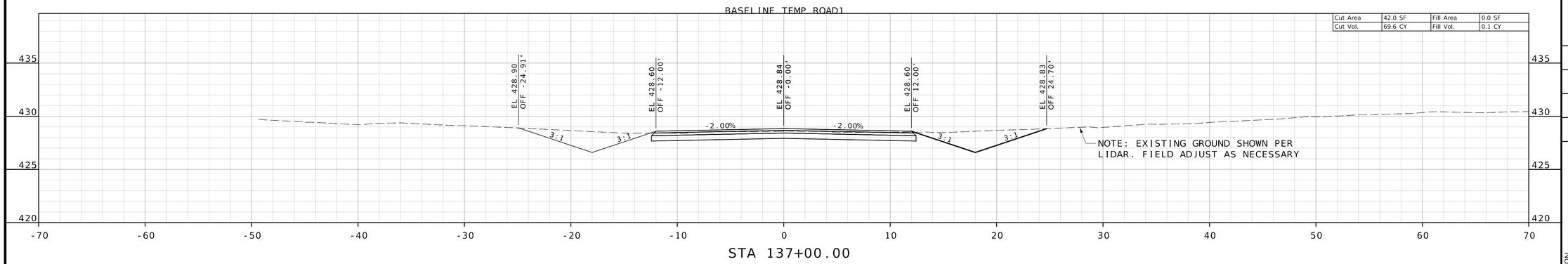
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.8500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 5 OF 5

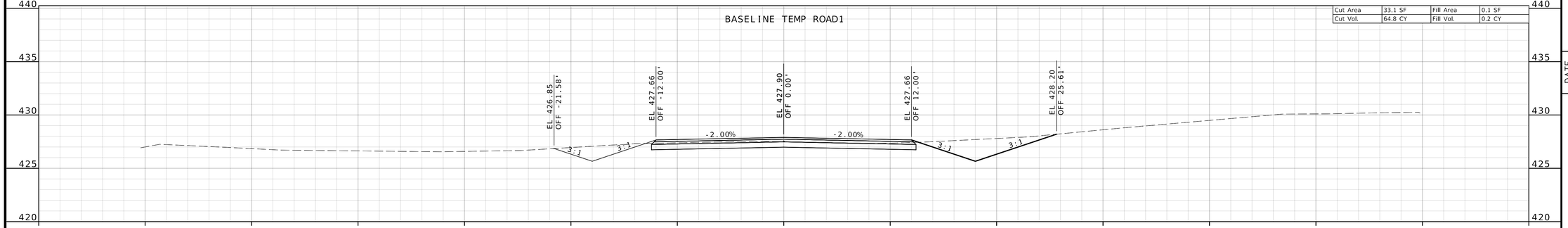
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

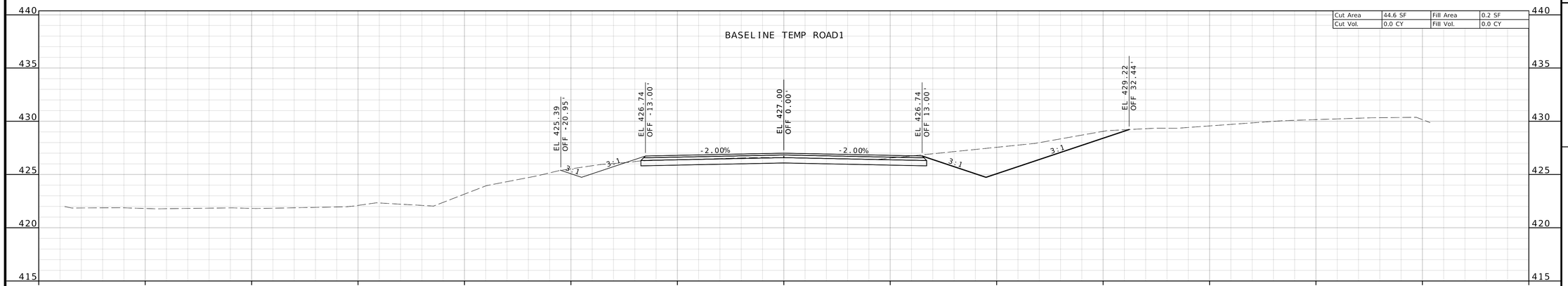
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\01_XS_592200_Airport_Phase2.dgn 5:14:20 PM 10/16/2024



STA 137+00.00



STA 136+50.00



STA 136+05.01

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 57

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-3500
ENGINEERING CORPORATION - 000631

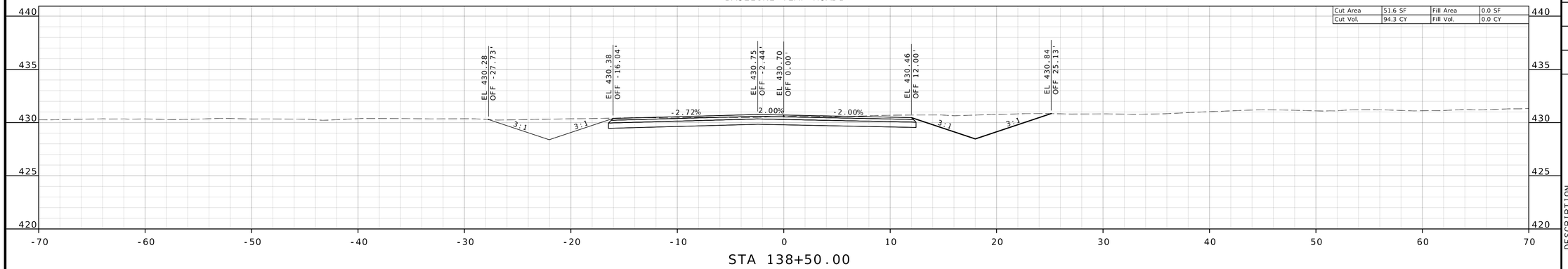
CROSS SECTION
SHEET 1 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

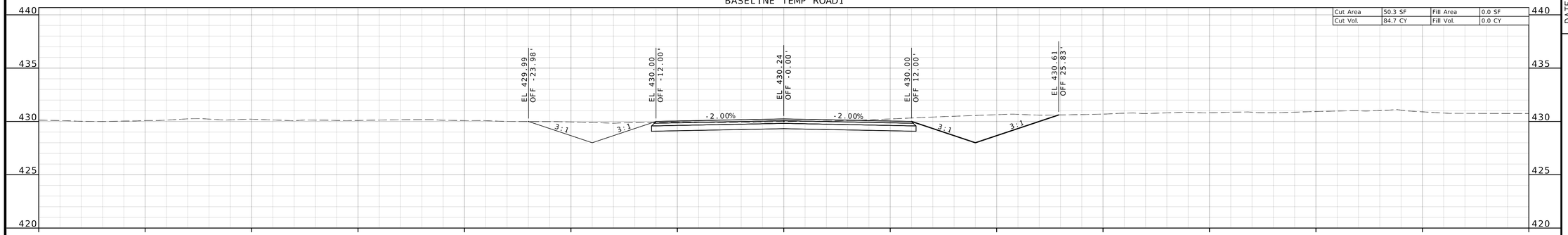
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY

BASELINE TEMP ROAD1



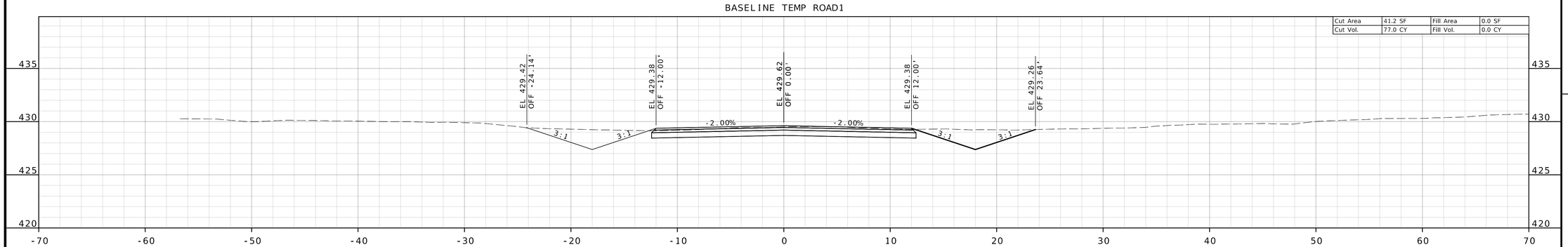
STA 138+50.00

BASELINE TEMP ROAD1



STA 138+00.00

BASELINE TEMP ROAD1



STA 137+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 58

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
COLUMBIA, MISSOURI 65201-4500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 2 OF 12

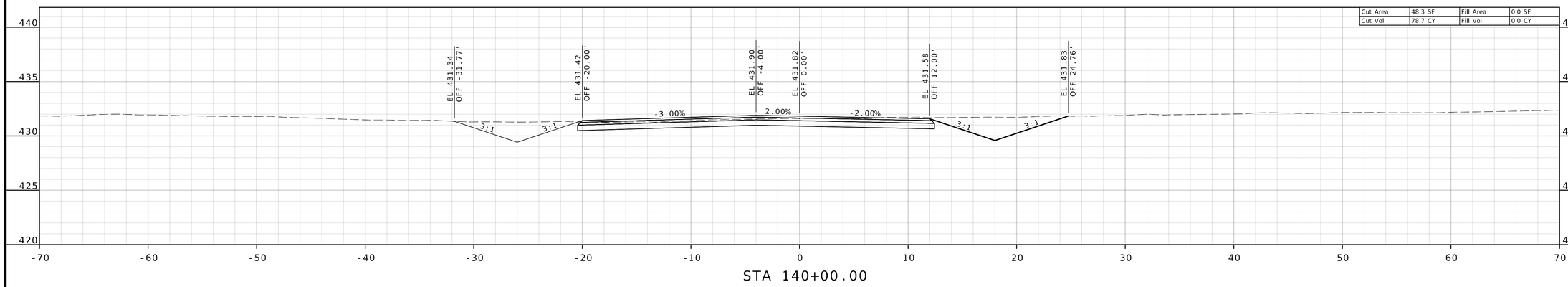
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_TempRoads.dgn 5:15:18 PM 10/16/2024

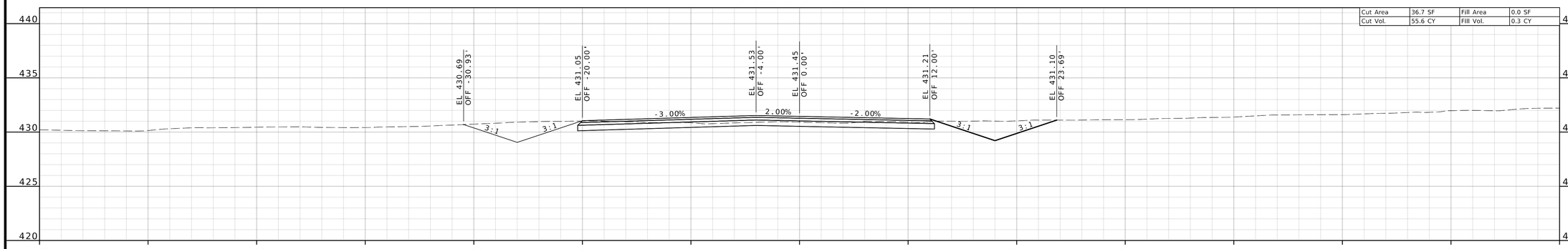
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY

BASELINE TEMP ROAD1



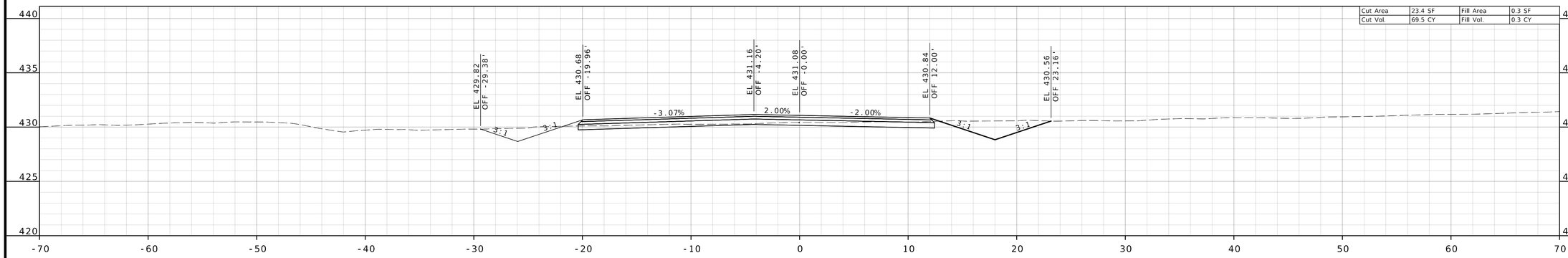
STA 140+00.00

BASELINE TEMP ROAD1



STA 139+50.00

BASELINE TEMP ROAD1



STA 139+00.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 59

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

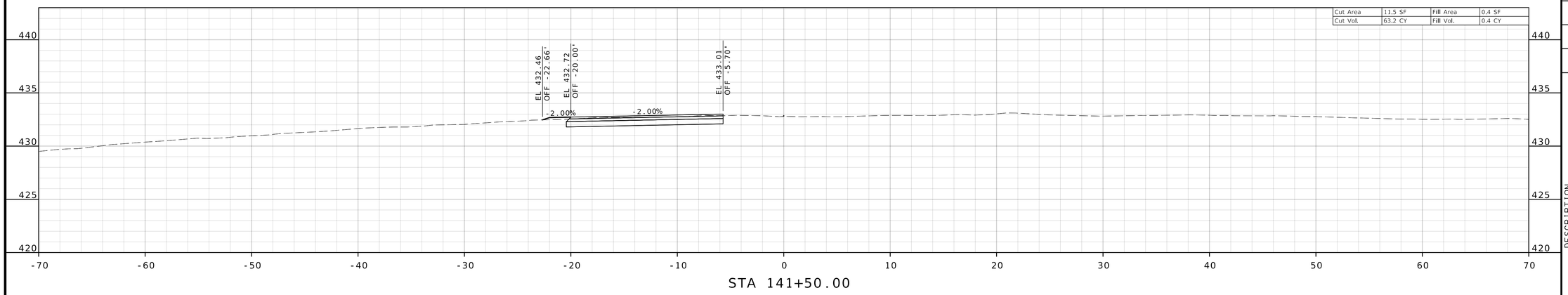
CROSS SECTION
SHEET 3 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

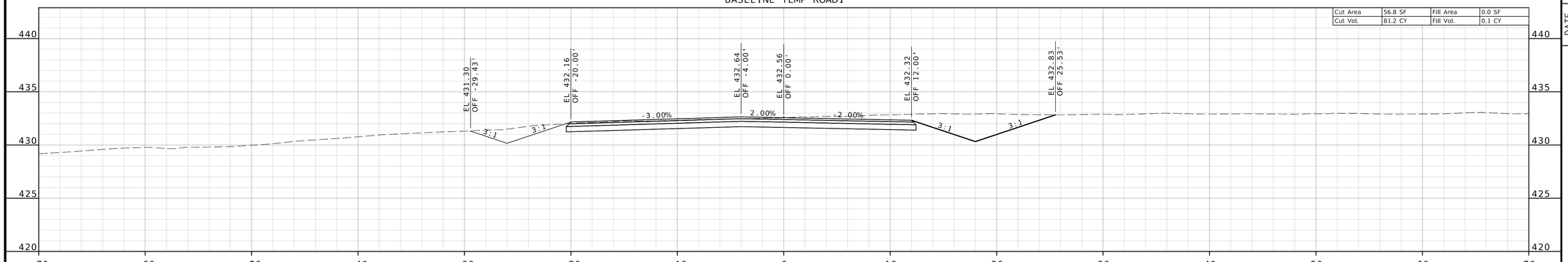
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY

BASELINE TEMP ROAD1



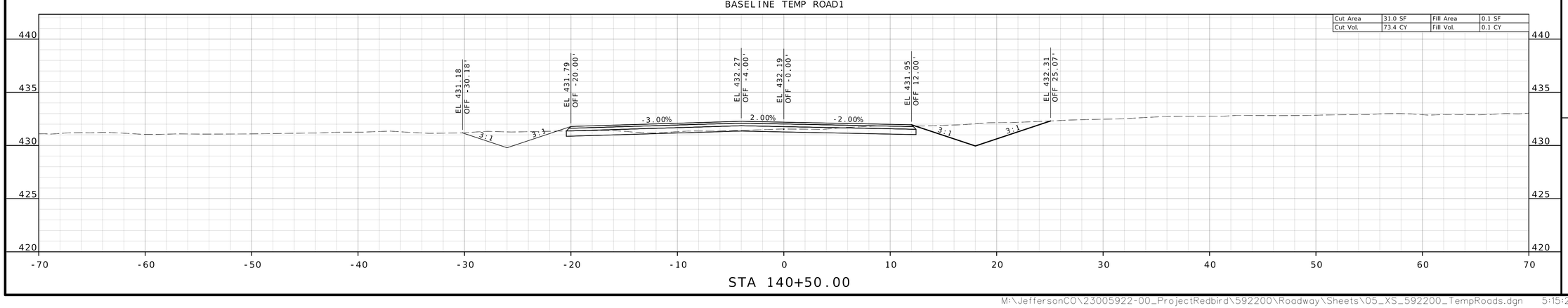
STA 141+50.00

BASELINE TEMP ROAD1



STA 141+00.00

BASELINE TEMP ROAD1



STA 140+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 60

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

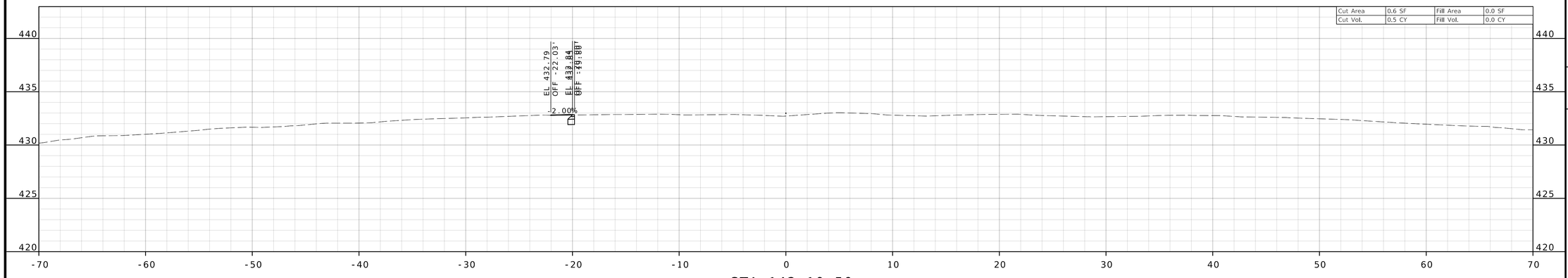
CROSS SECTION
SHEET 4 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

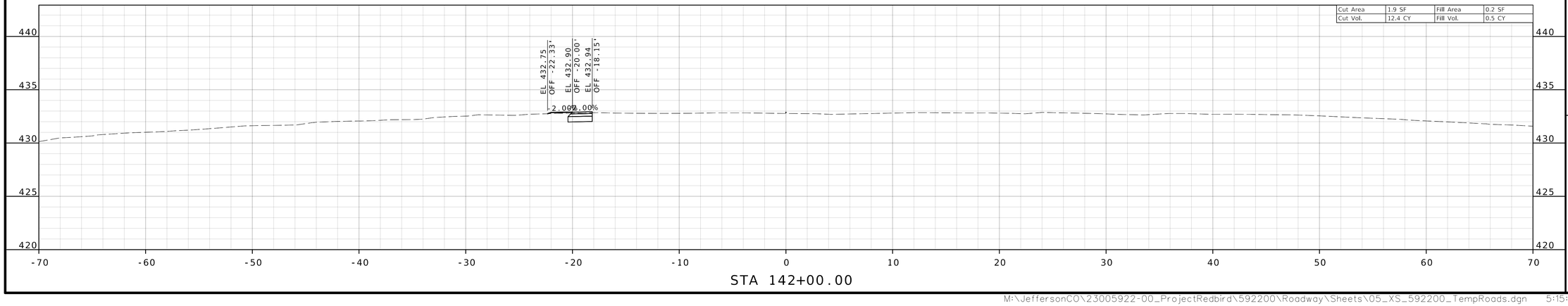
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY

BASELINE TEMP ROAD1



STA 142+10.50

BASELINE TEMP ROAD1



STA 142+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 61

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

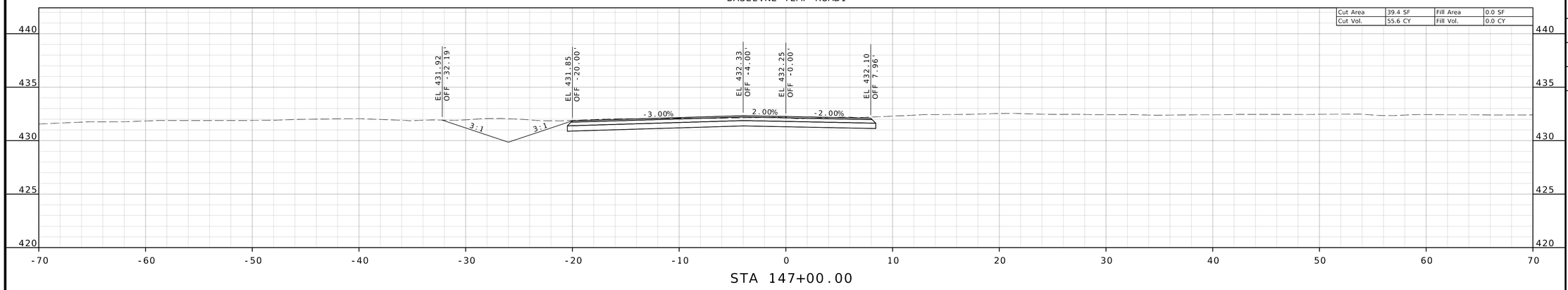
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 5 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

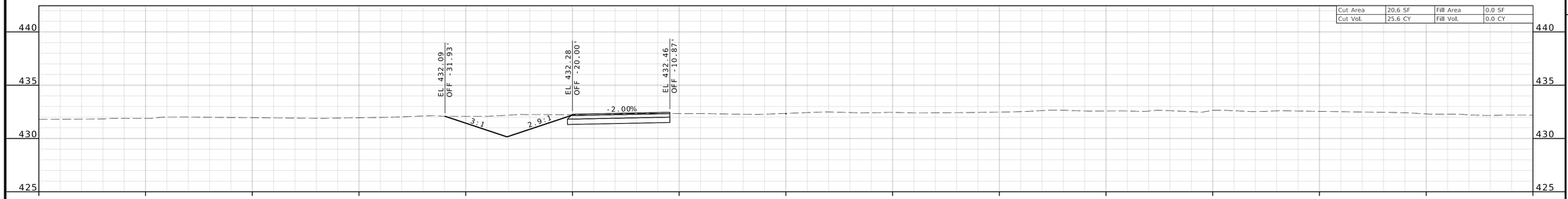
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY

BASELINE TEMP ROAD1



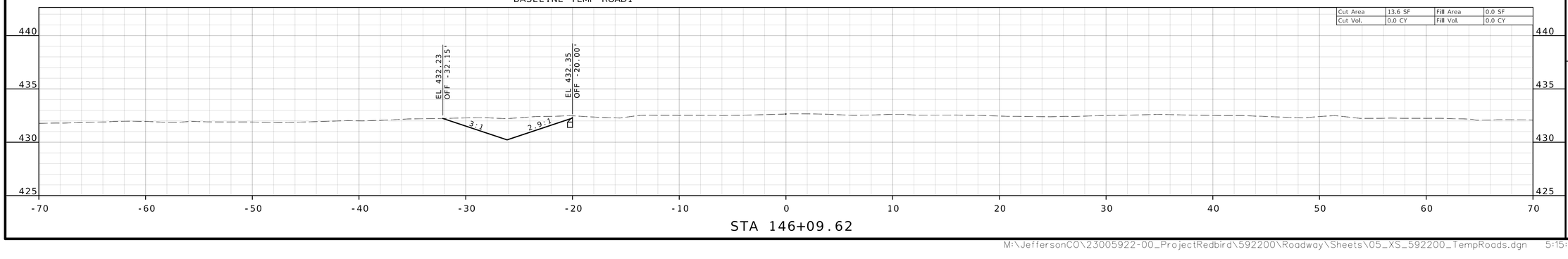
STA 147+00.00

BASELINE TEMP ROAD1



STA 146+50.00

BASELINE TEMP ROAD1



STA 146+09.62

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 62

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

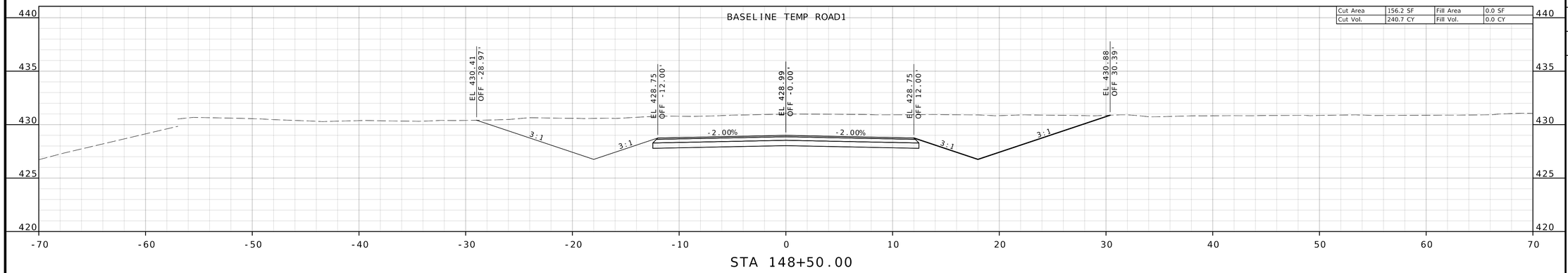
CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 6 OF 12

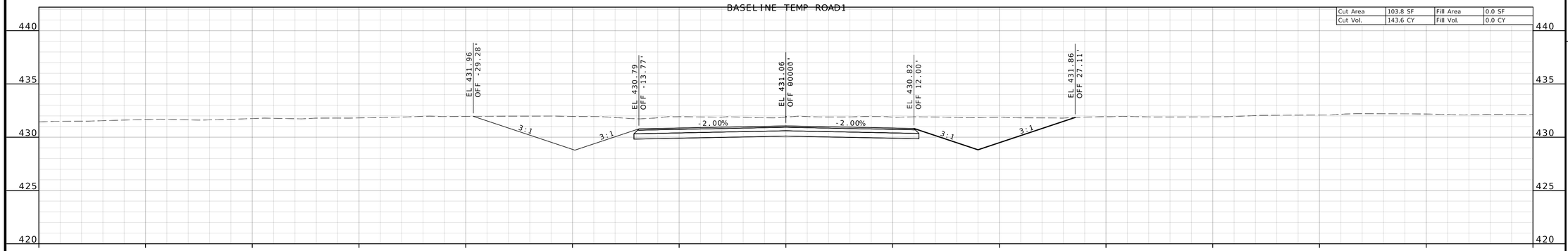
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

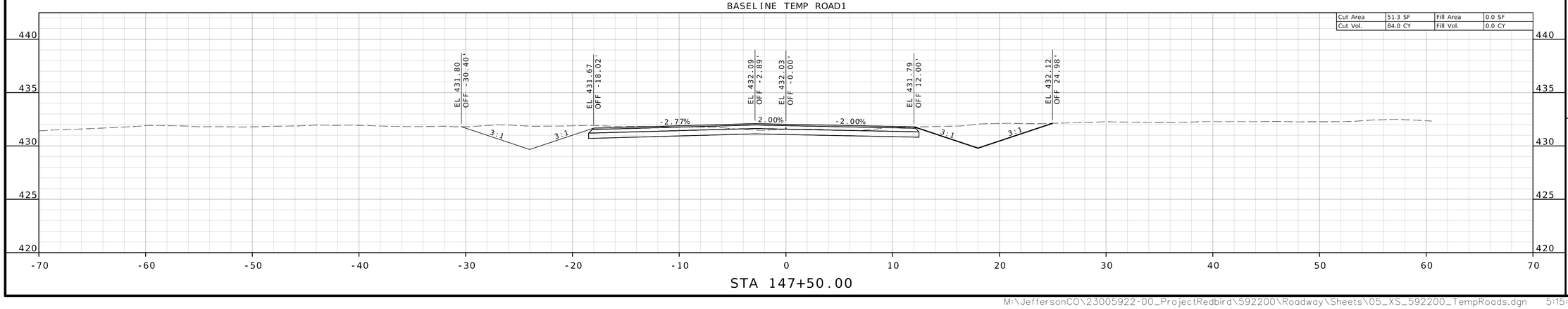
NOTE: EXISTING GROUND SHOWN PER LIDAR. FIELD ADJUST AS NECESSARY



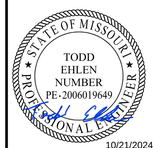
STA 148+50.00



STA 148+00.00



STA 147+50.00



10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 63

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

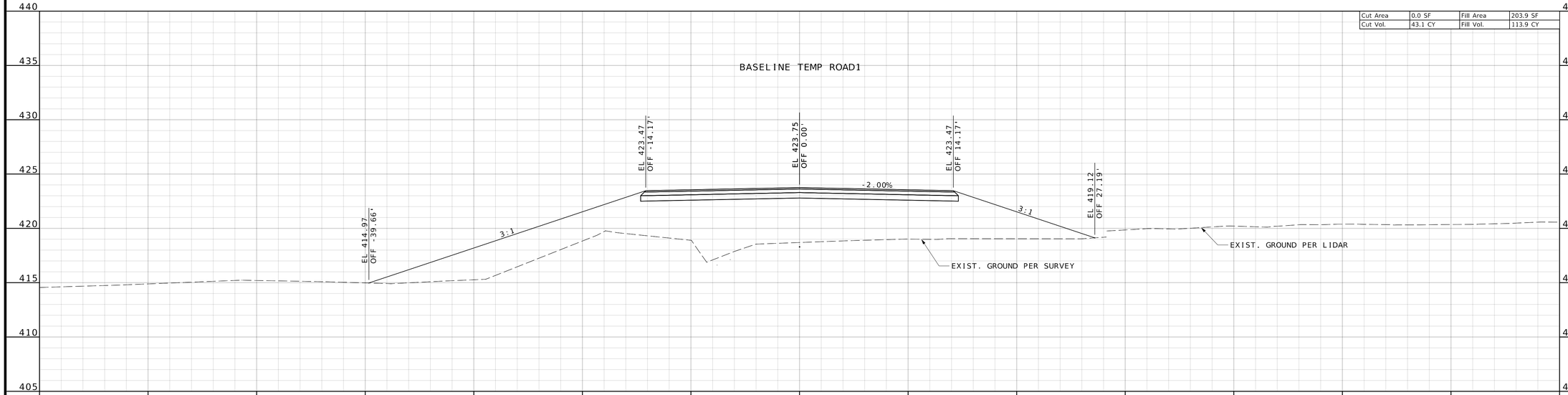
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 7 OF 12

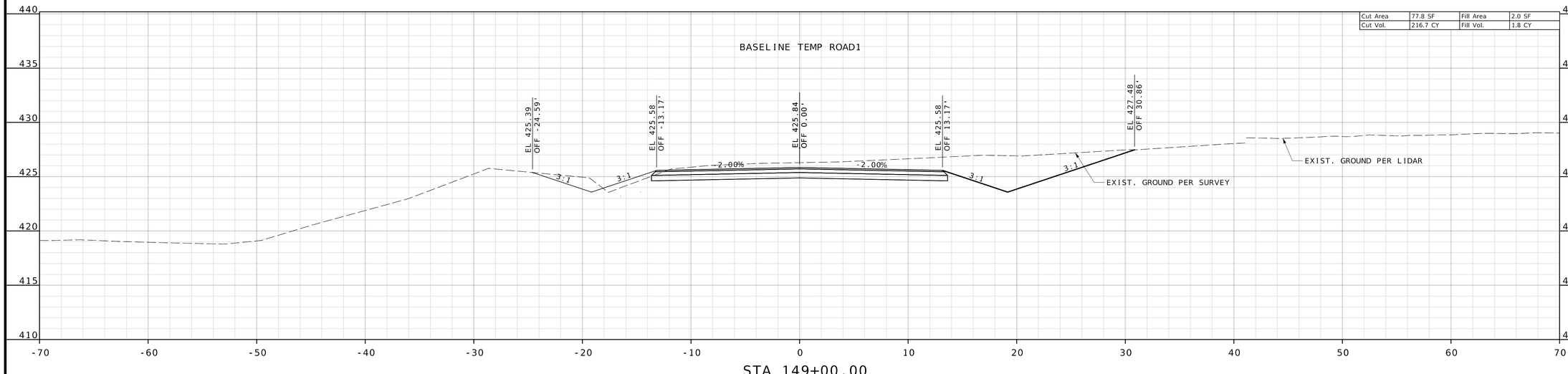
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

Cut Area	0.0 SF	Fill Area	203.9 SF
Cut Vol.	43.1 CY	Fill Vol.	113.9 CY



STA 149+29.88

Cut Area	77.8 SF	Fill Area	2.0 SF
Cut Vol.	216.7 CY	Fill Vol.	1.8 CY



STA 149+00.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 64

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

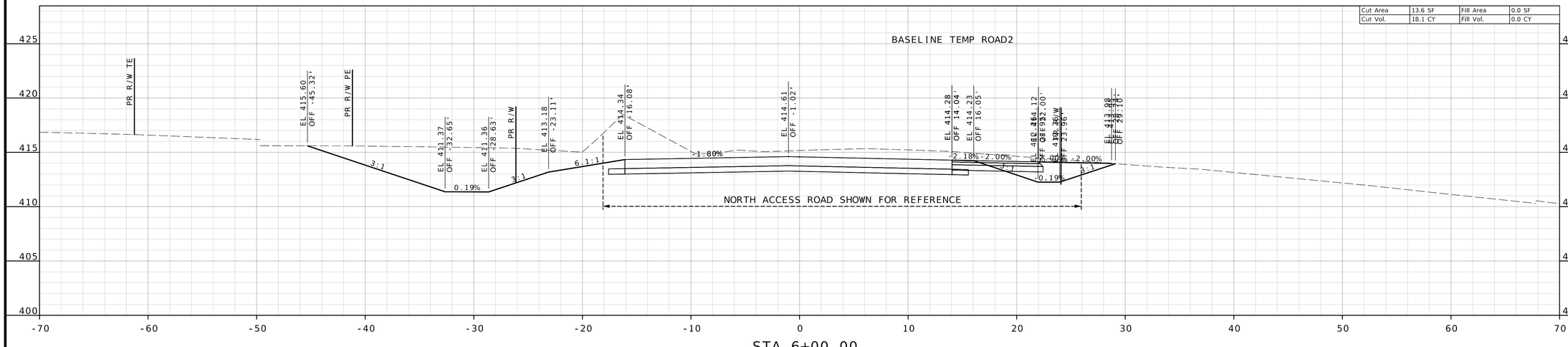
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

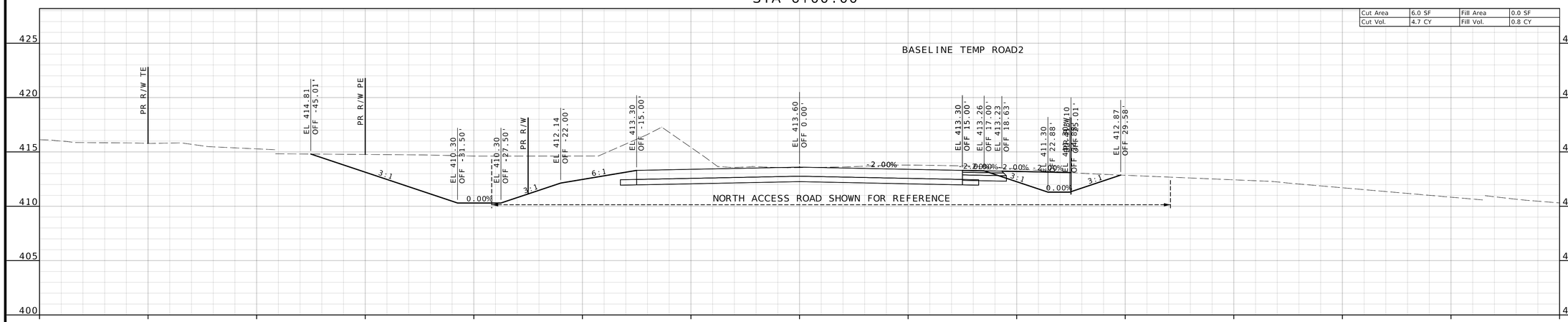
©Copyright CMT, Inc.

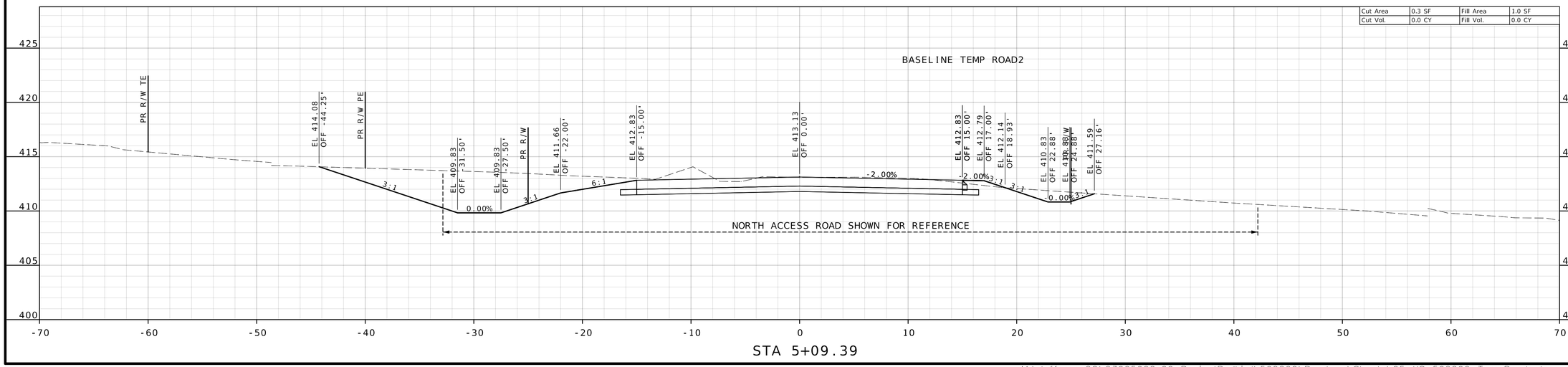
CROSS SECTION
SHEET 8 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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







TODD EHLEN NUMBER PE-2006019649 STATE OF MISSOURI PROFESSIONAL ENGINEER

10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 65

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

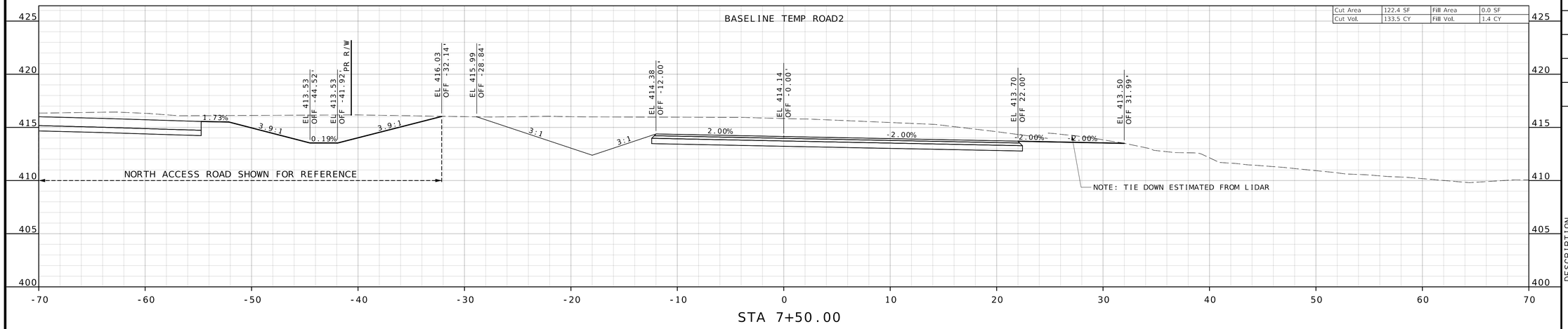
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

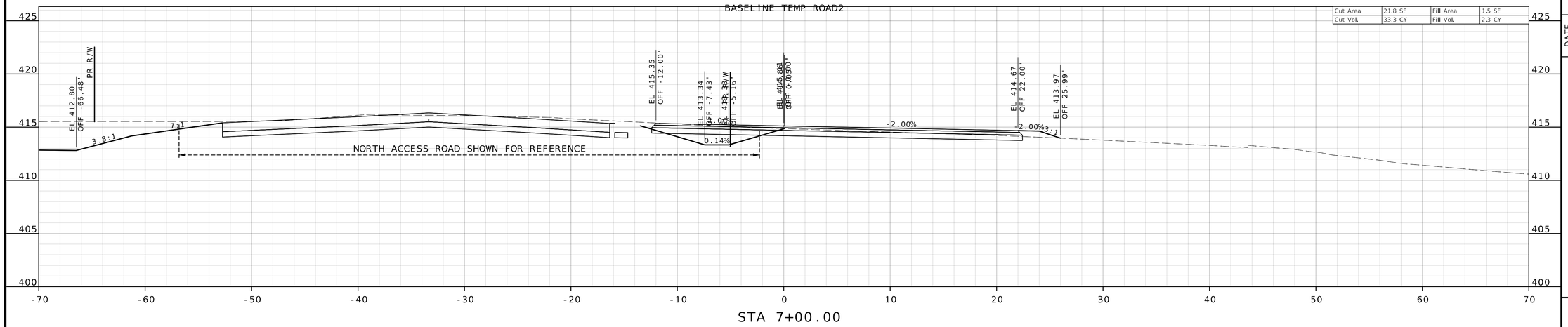
CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63105
ENGINEERING CORPORATION - 000631

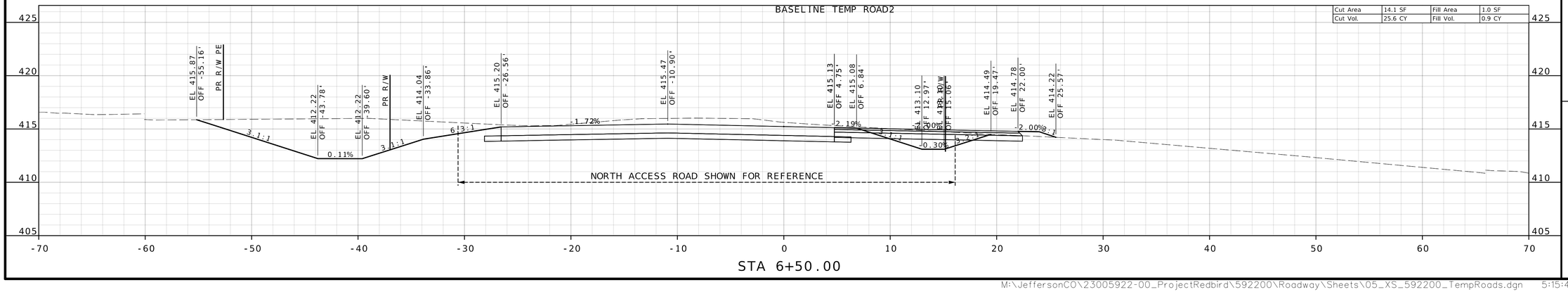
CROSS SECTION
SHEET 9 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\05_XS_592200_TempRoads.dgn 5:15:43 PM 10/16/2024







STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 66

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

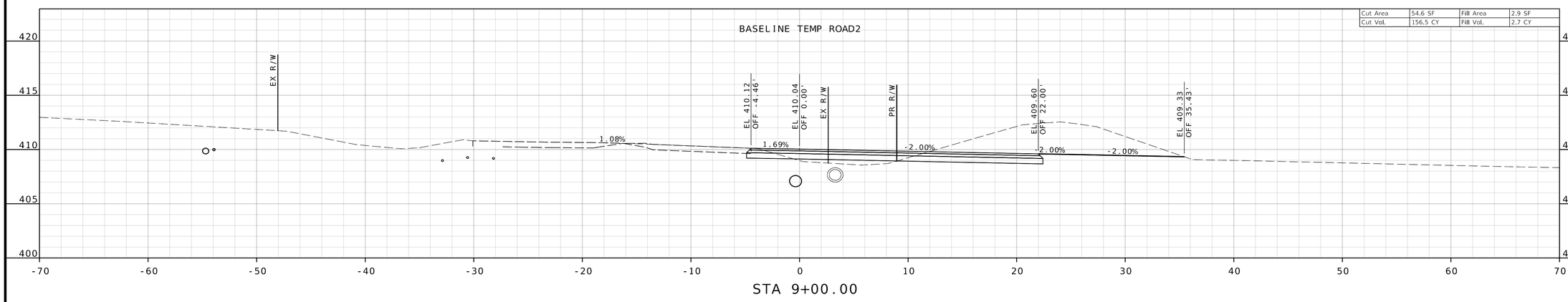
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

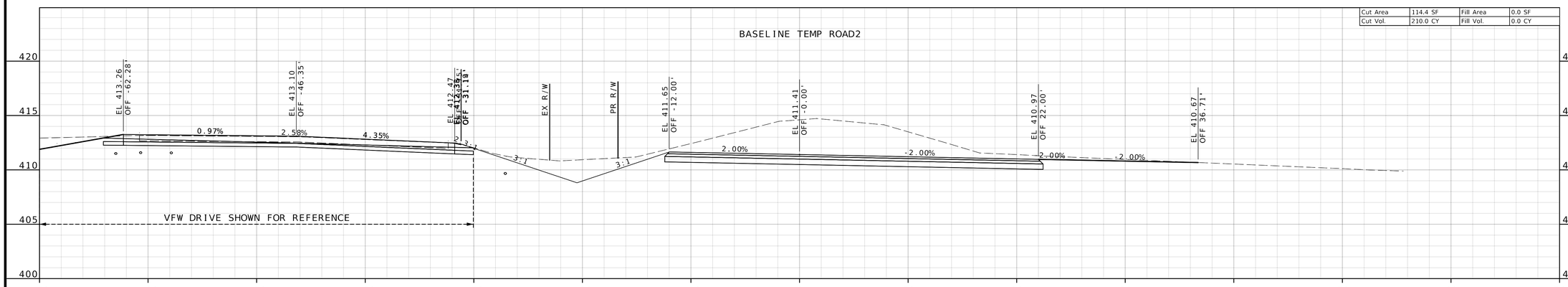
CROSS SECTION
SHEET 10 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

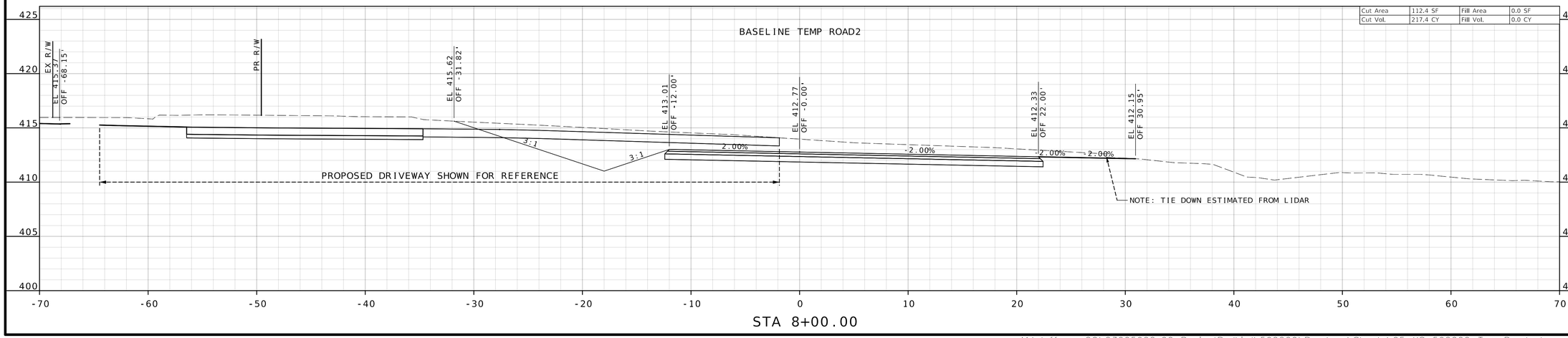
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



STA 9+00.00



STA 8+50.00



STA 8+00.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	67

COUNTY
JEFFERSON

JOB NO.
SNS-0025

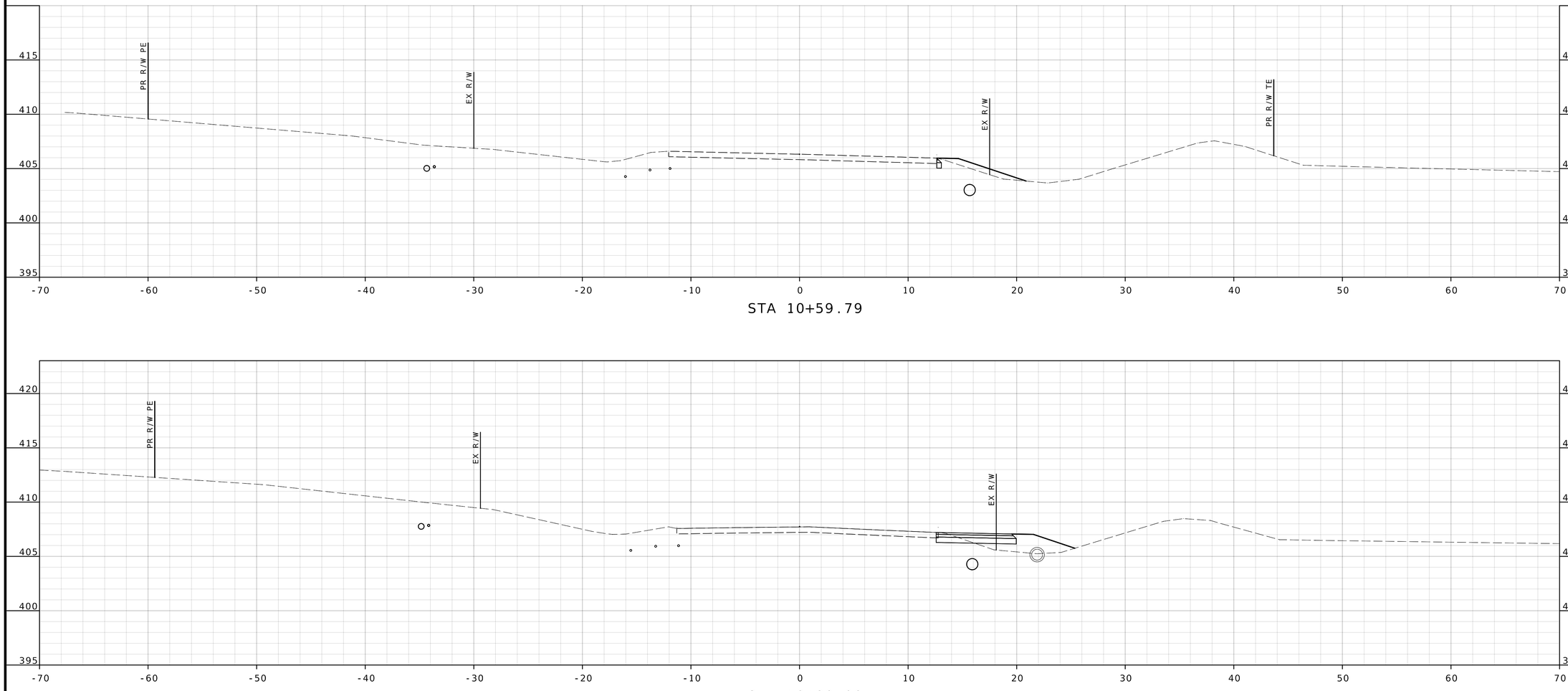
DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 11 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)



STA 10+59.79

STA 10+00.00

STA 9+50.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	68

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

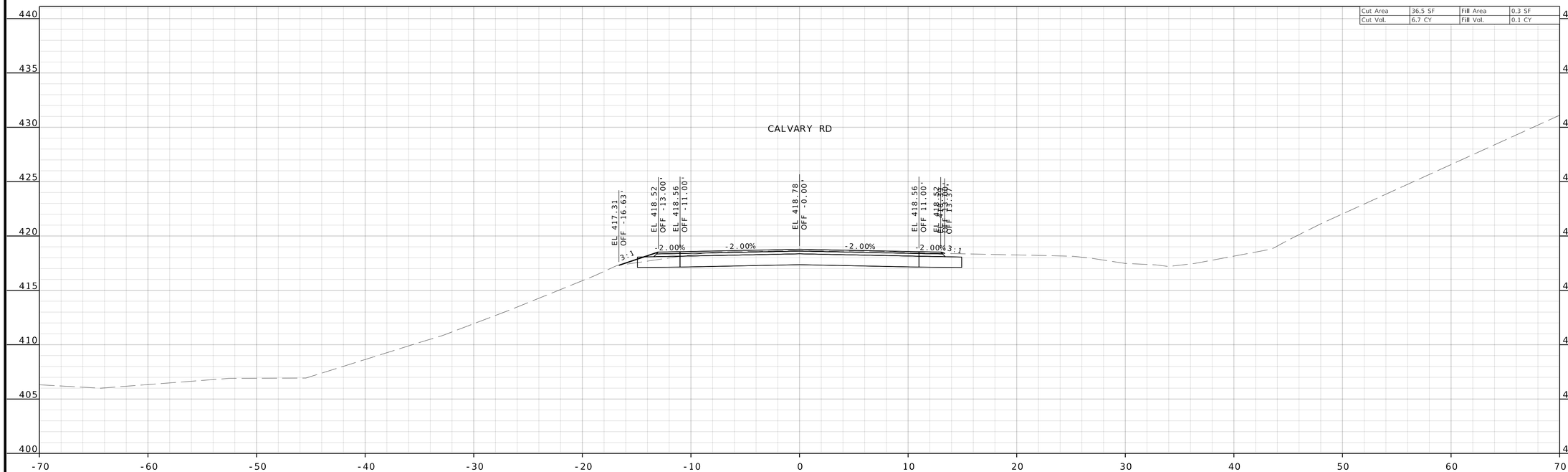
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63102-2405
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

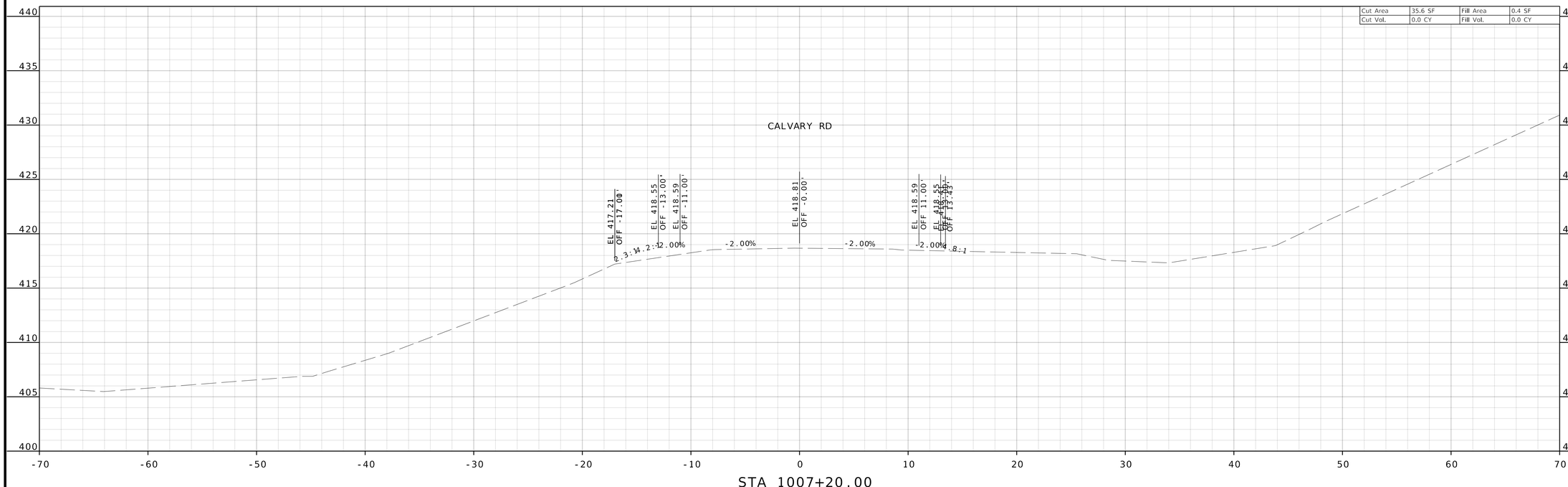
CROSS SECTION
SHEET 12 OF 12

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1007+25.00



STA 1007+20.00

TODD EHLEN NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	69

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

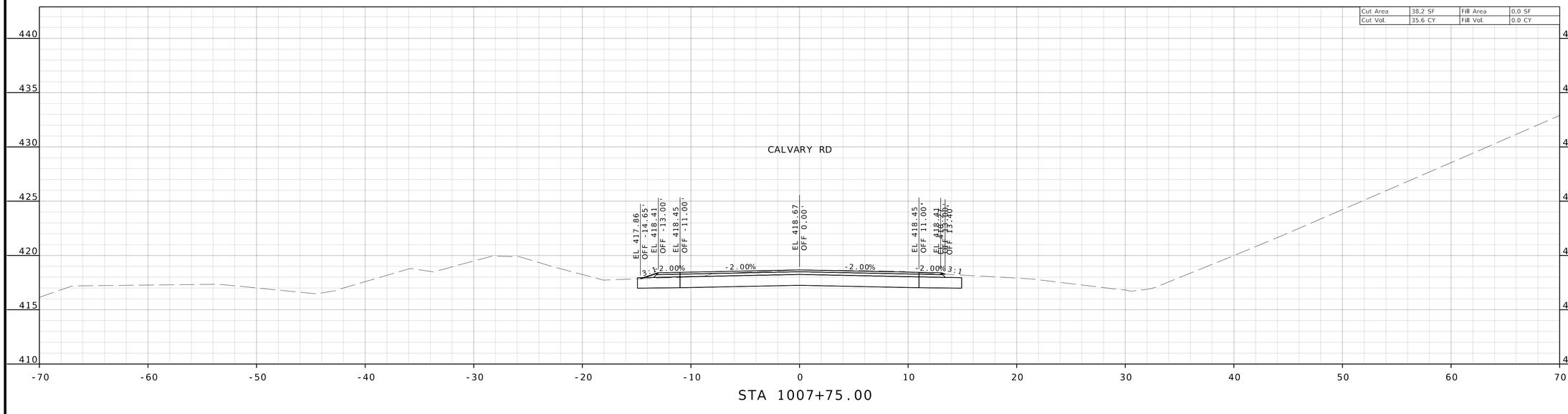
CROSS SECTION
SHEET 1 OF 20

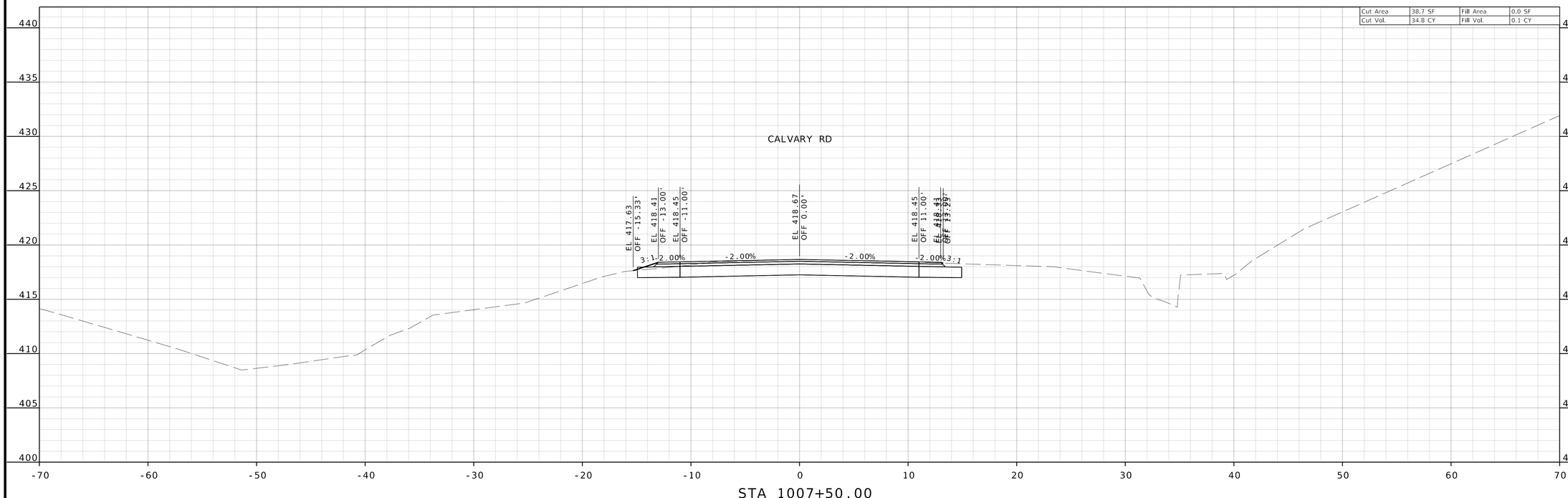
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:19 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 70

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.655500
ENGINEERING CORPORATION - 000631

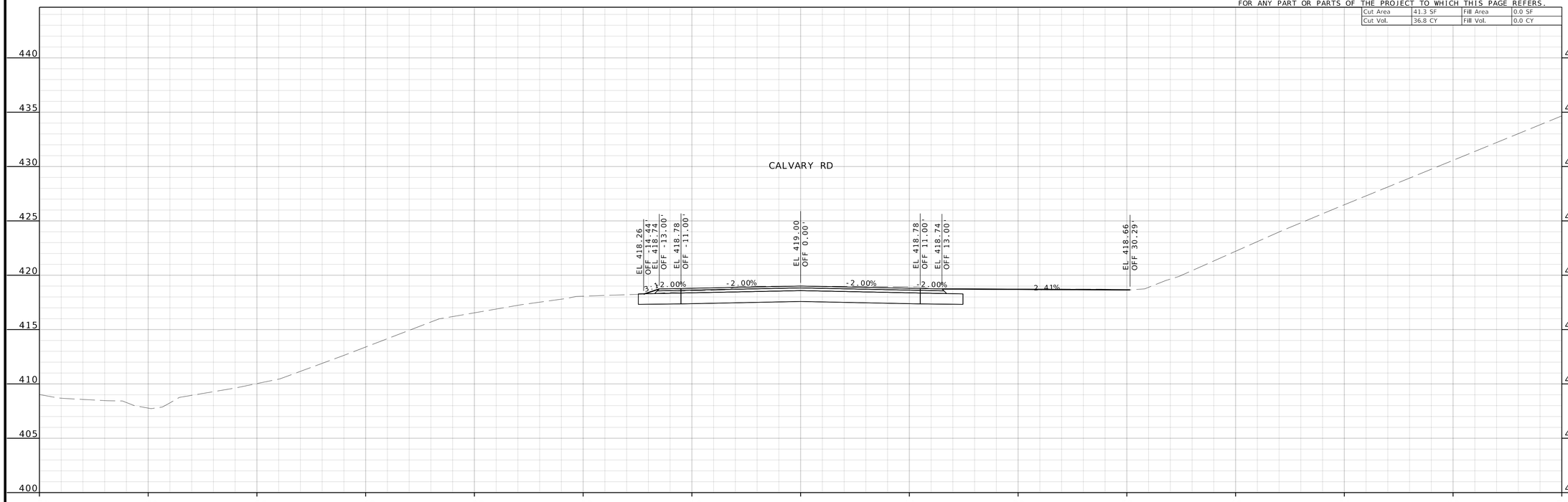
©Copyright CMT, Inc.

CROSS SECTION
SHEET 2 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

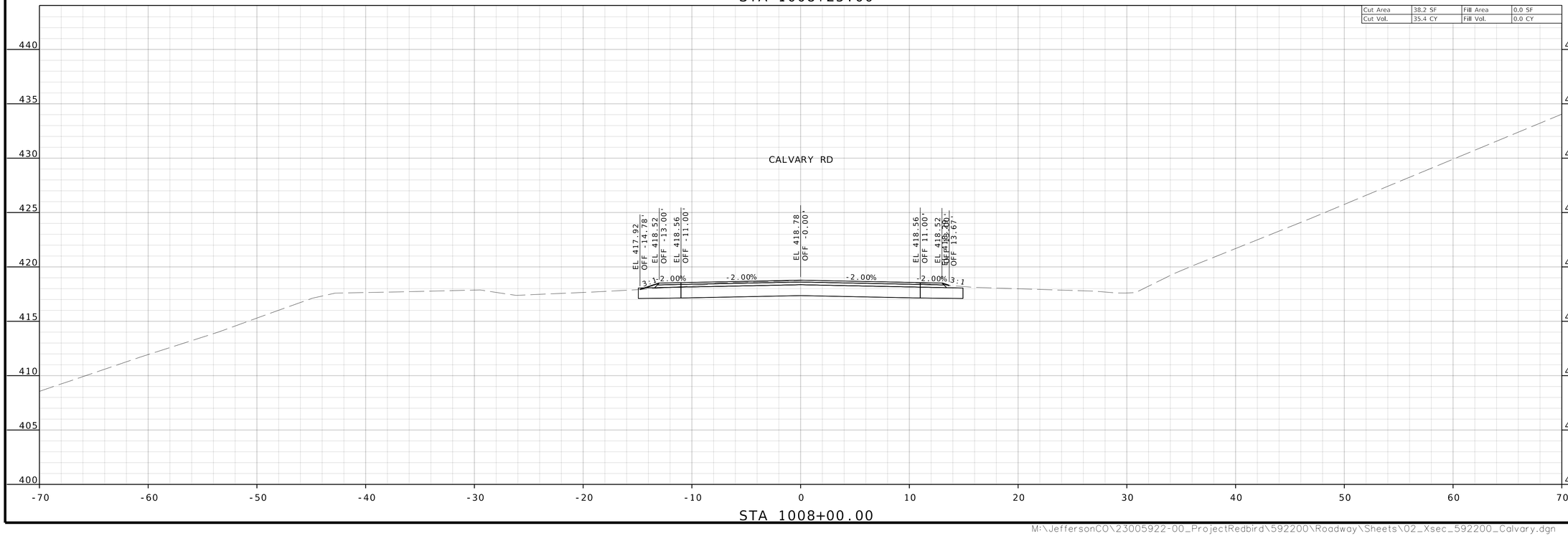
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

Cut Area	41.3 SF	Fill Area	0.0 SF
Cut Vol.	36.8 CY	Fill Vol.	0.0 CY



STA 1008+25.00

Cut Area	38.2 SF	Fill Area	0.0 SF
Cut Vol.	35.4 CY	Fill Vol.	0.0 CY



STA 1008+00.00

TODD EHLEN
NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	71

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

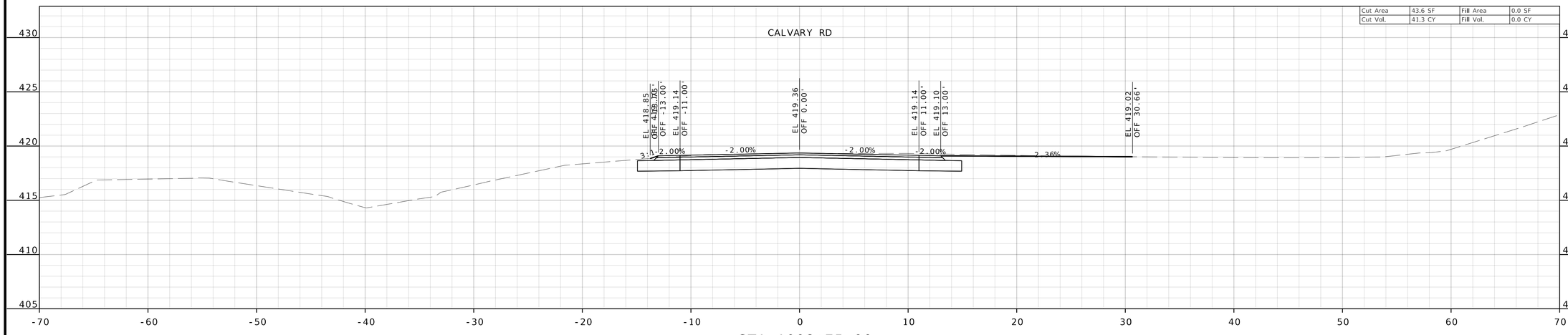
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 3 OF 20

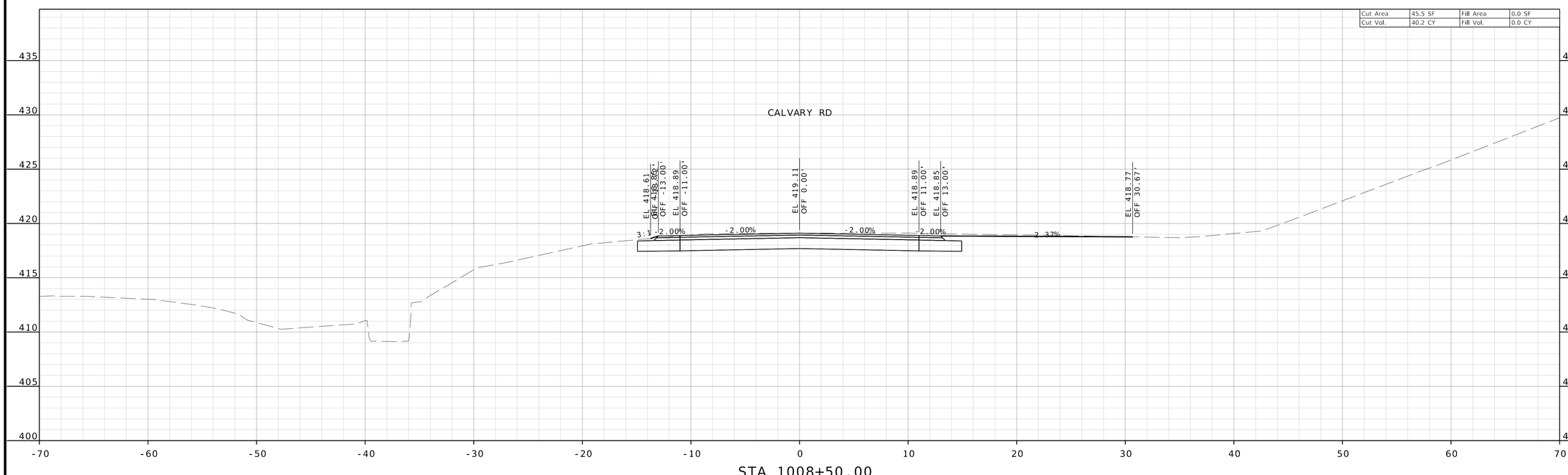
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1008+75.00



STA 1008+50.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 72

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

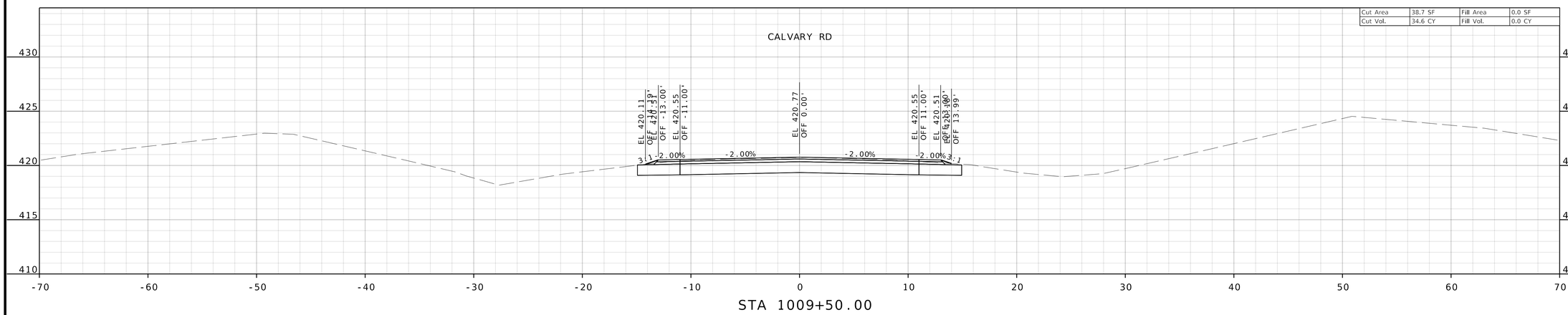
CROSS SECTION
SHEET 4 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

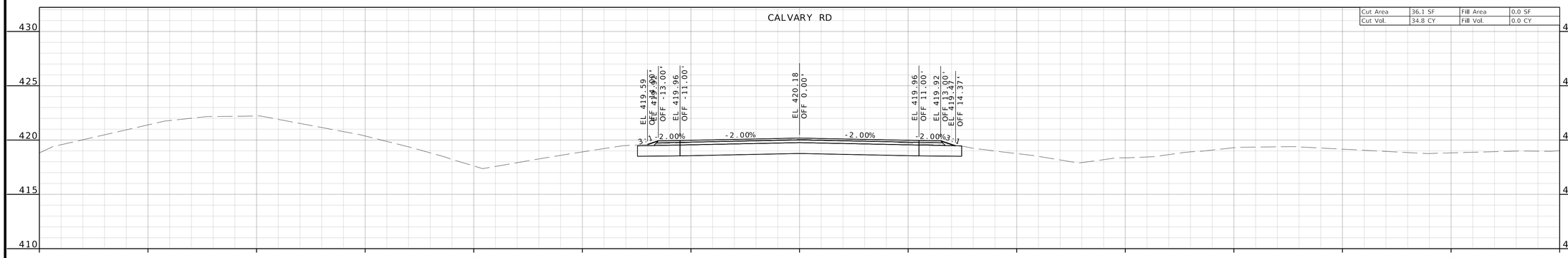
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:27 PM 10/16/2024

DISCLAIMER

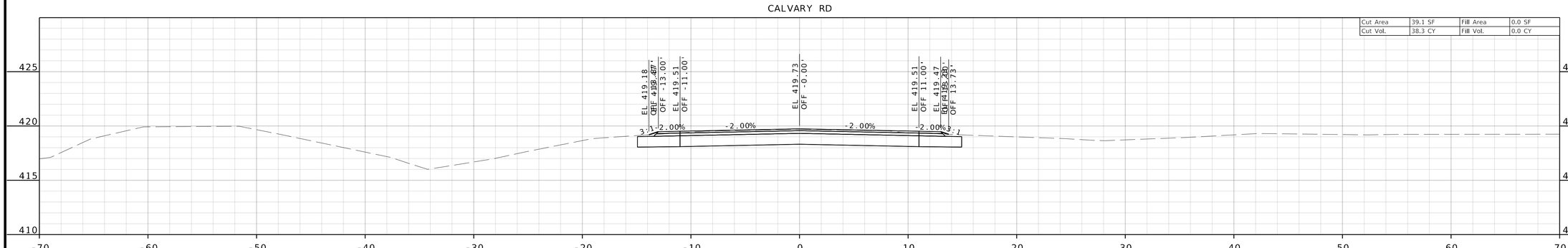
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1009+50.00



STA 1009+25.00



STA 1009+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	73

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

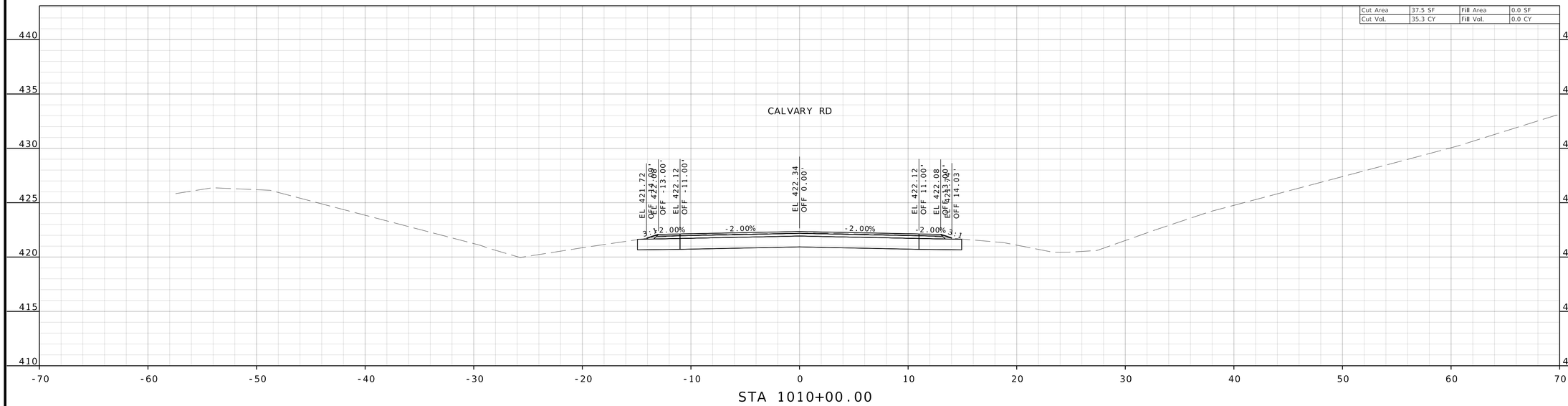
©Copyright CMT, Inc.

CROSS SECTION
SHEET 5 OF 20

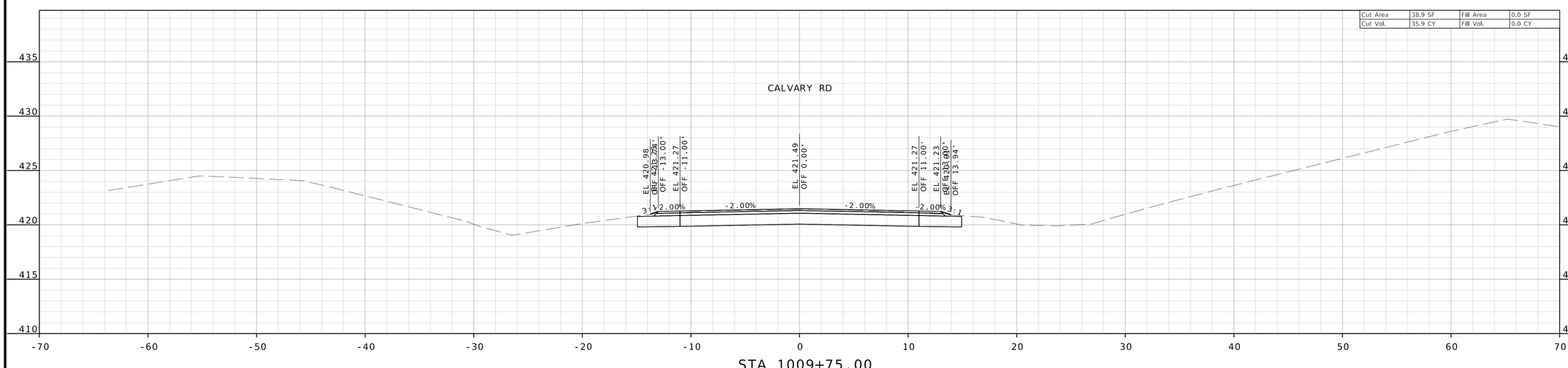
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1010+00.00



STA 1009+75.00

TODD EHLEN NUMBER
PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	74

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 6 OF 20

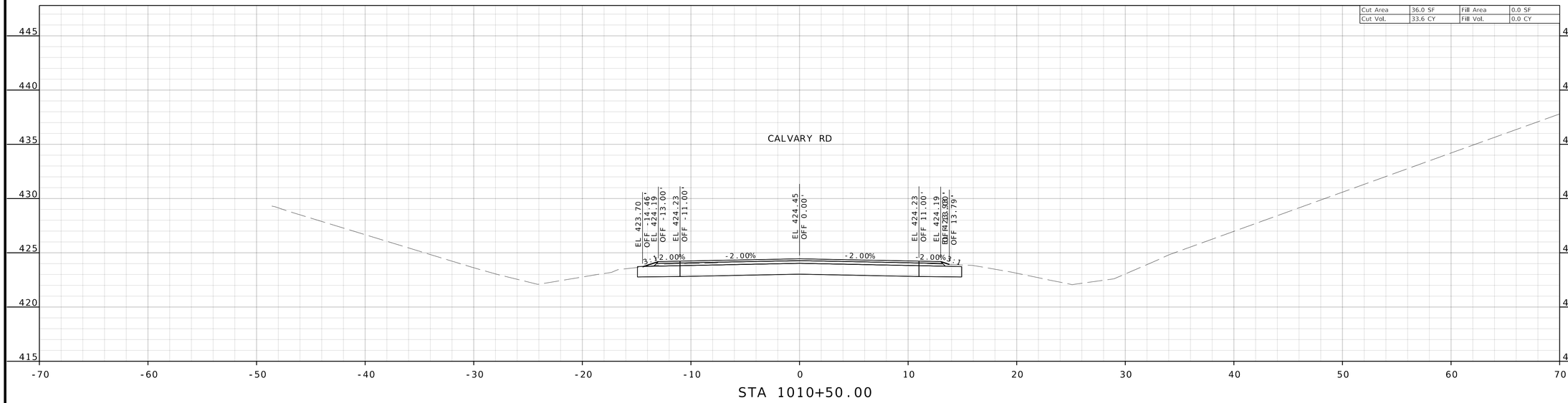
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

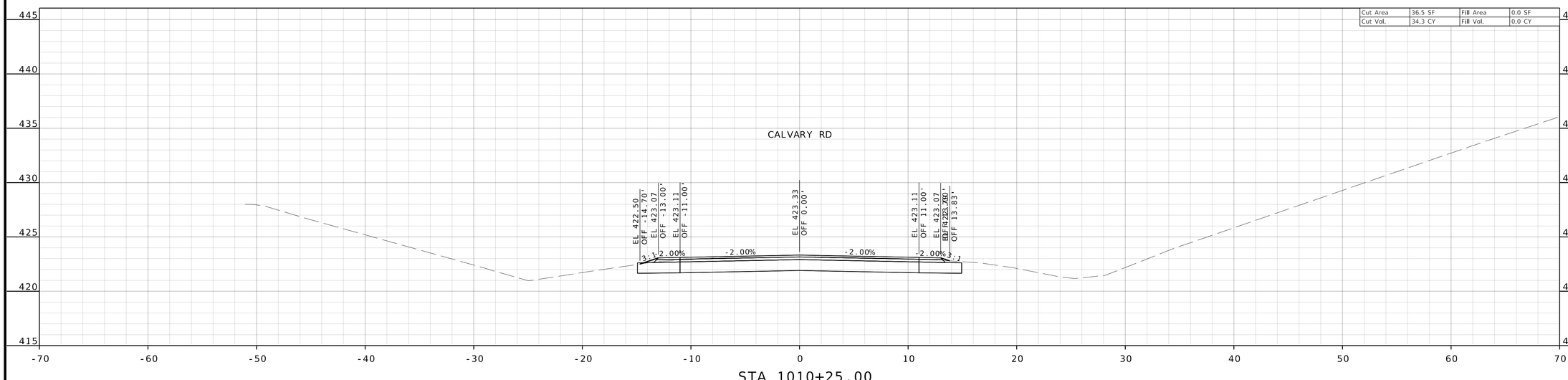
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:31 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1010+50.00



STA 1010+25.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	75

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631

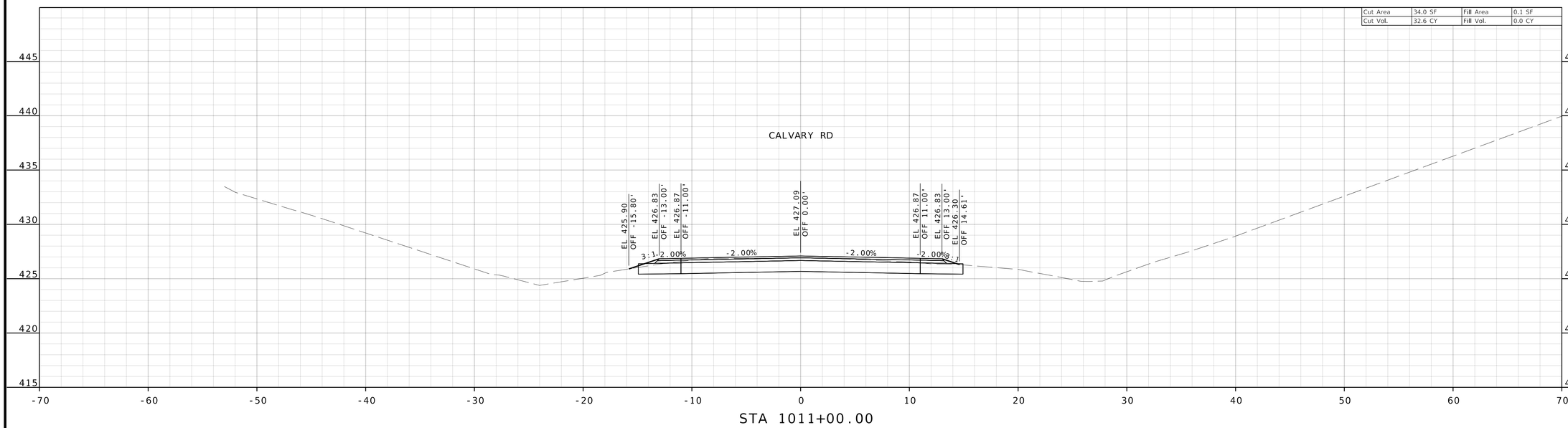
CROSS SECTION
SHEET 7 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

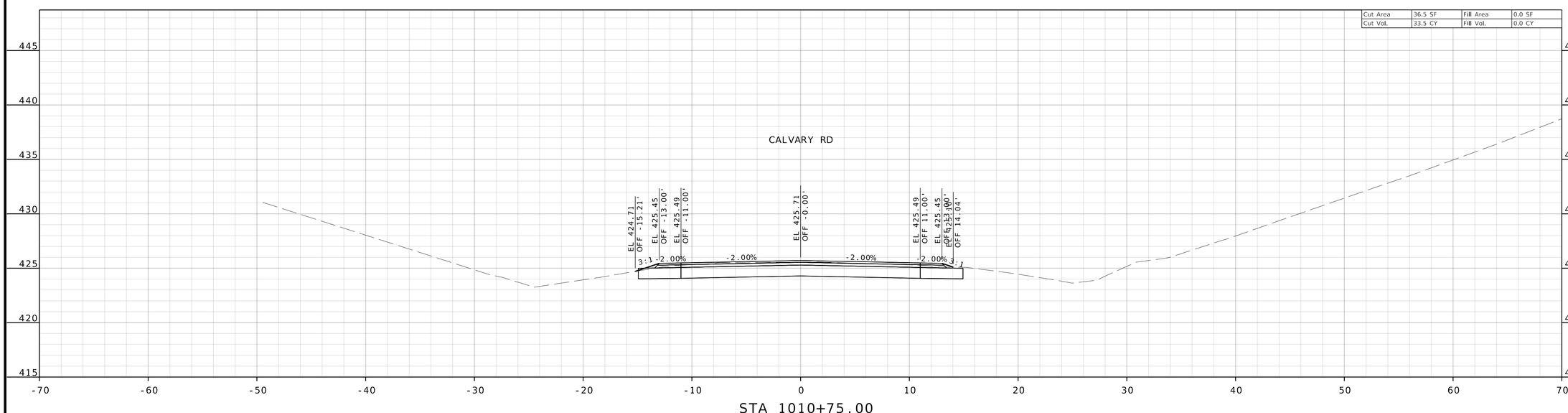
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:32 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1011+00.00



STA 1010+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 76

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 314.436.8500
ENGINEERING CORPORATION - 000631

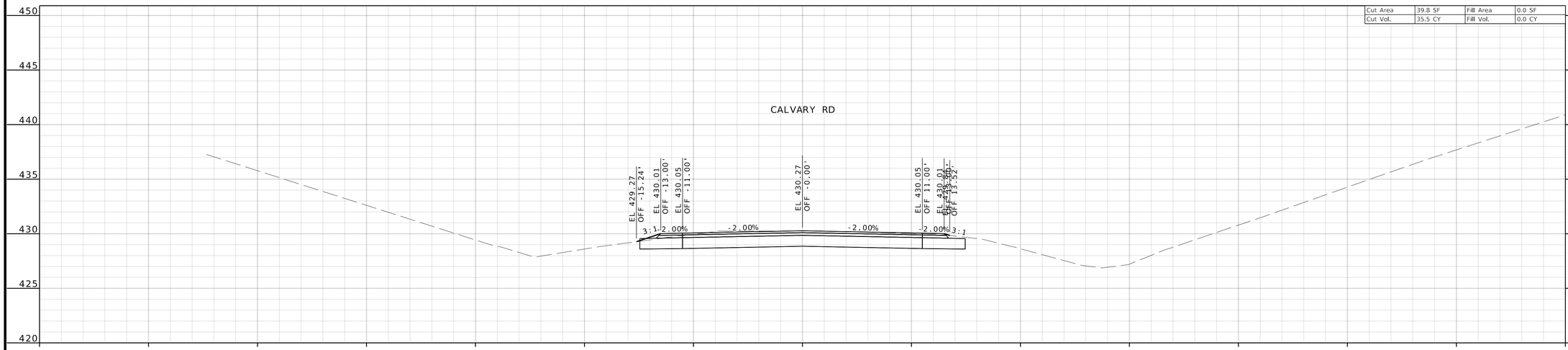
©Copyright CMT, Inc.

CROSS SECTION
SHEET 8 OF 20

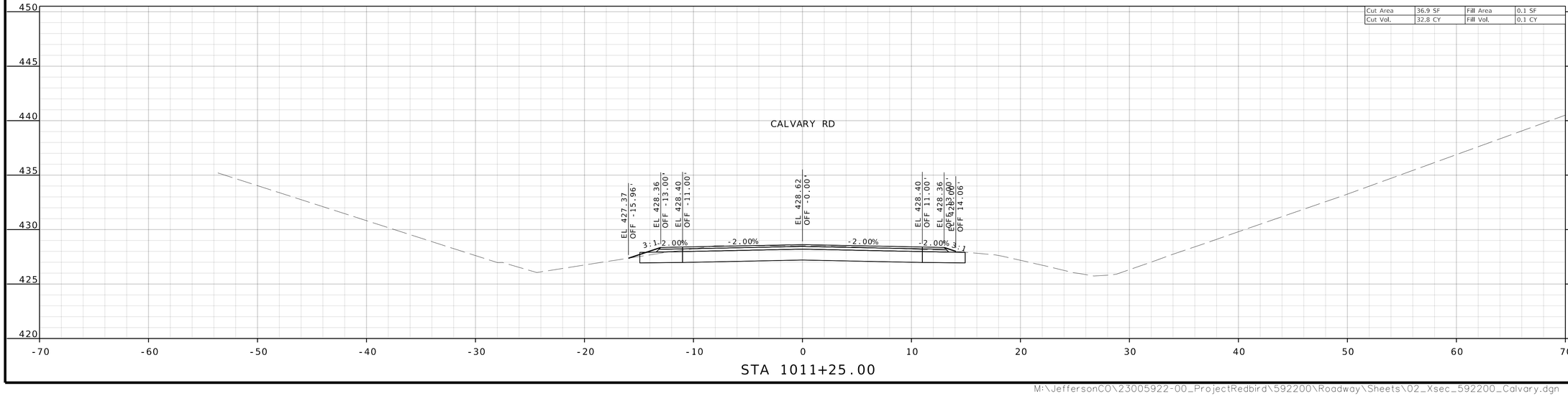
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1011+50.00



STA 1011+25.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	77

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 9 OF 20

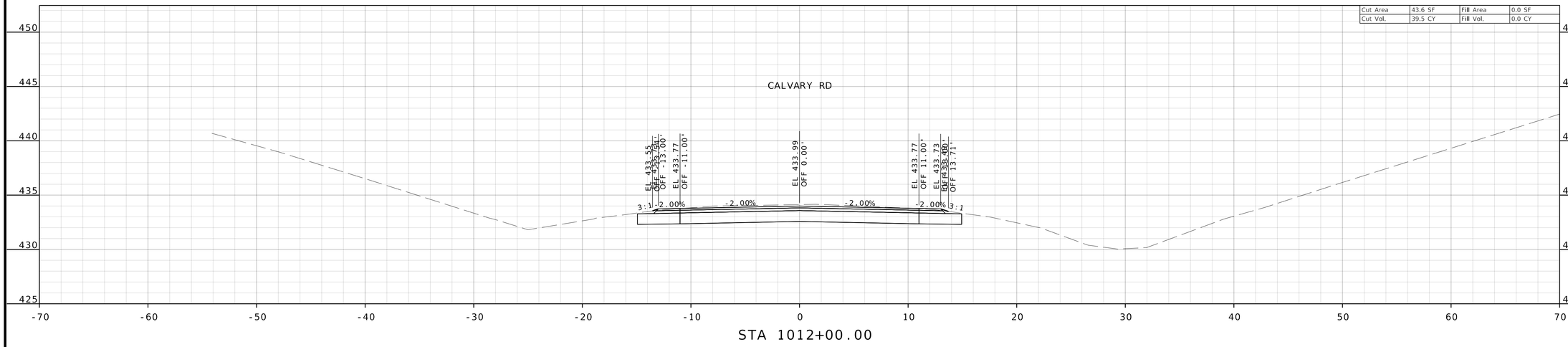
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

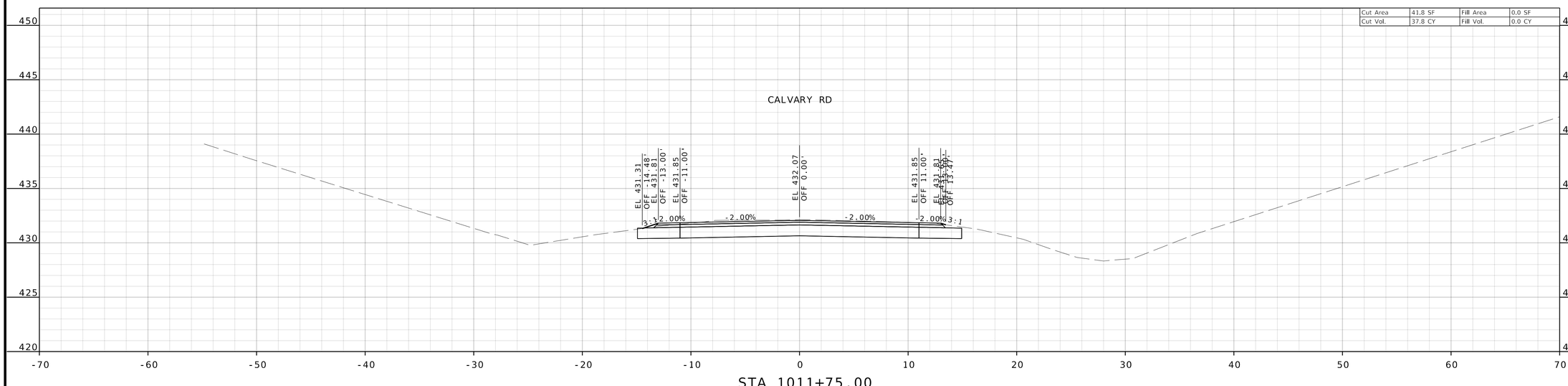
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:36 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1012+00.00



STA 1011+75.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	78

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

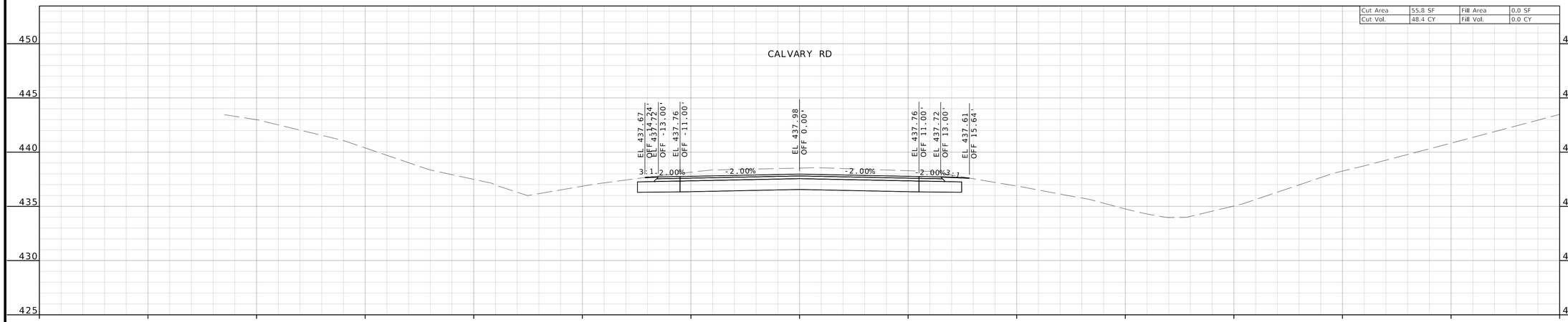
CROSS SECTION
SHEET 10 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

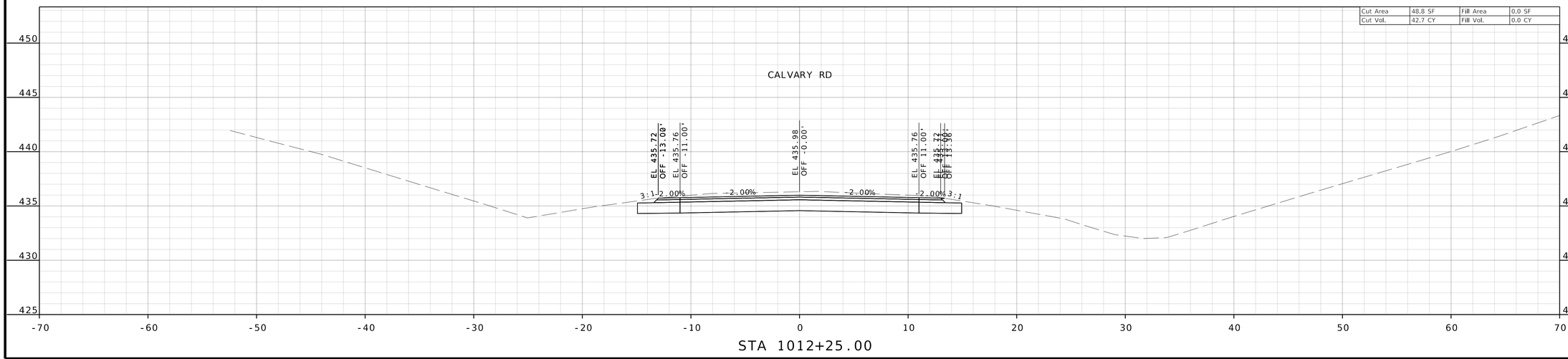
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:38 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1012+50.00



STA 1012+25.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	79

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

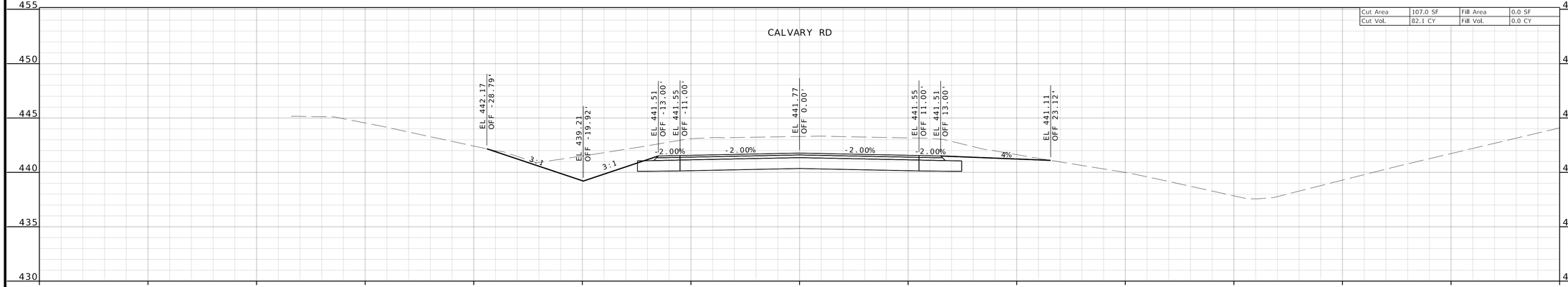
CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

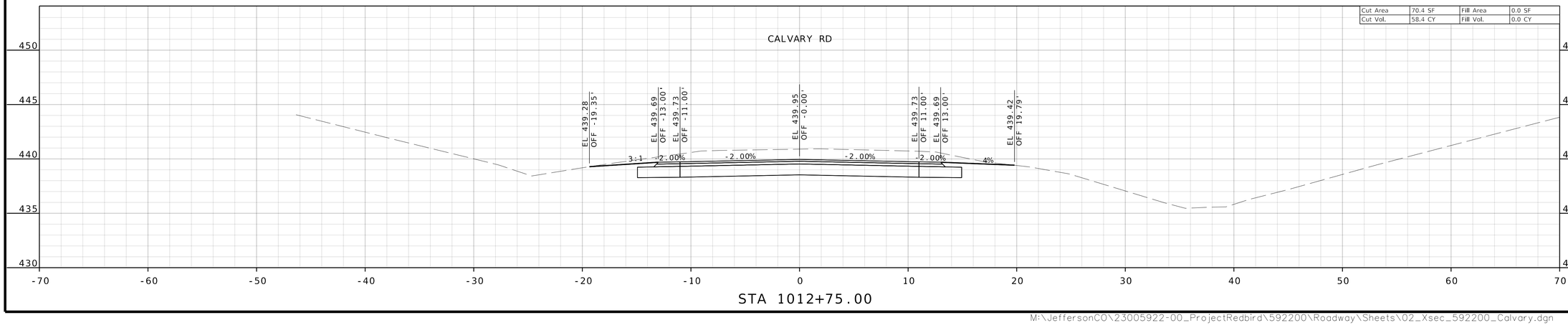
CROSS SECTION
SHEET 11 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	80

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

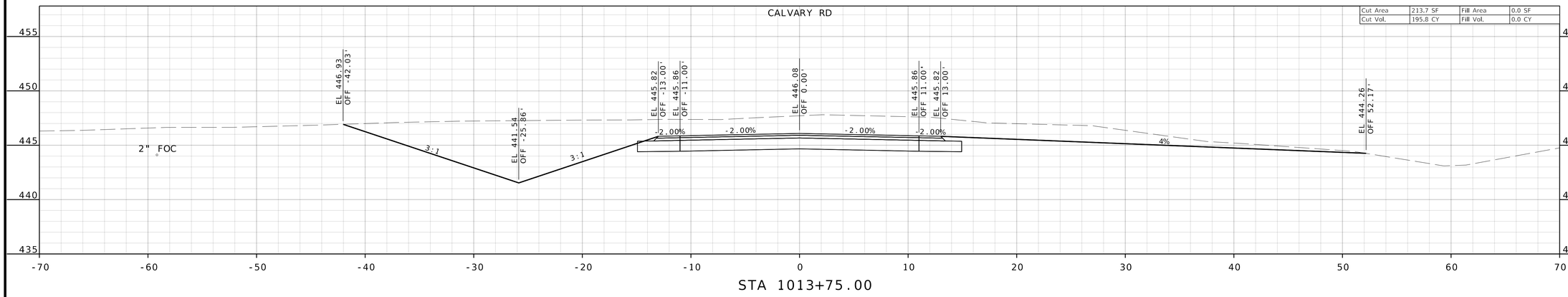
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 00061

©Copyright CMT, Inc.

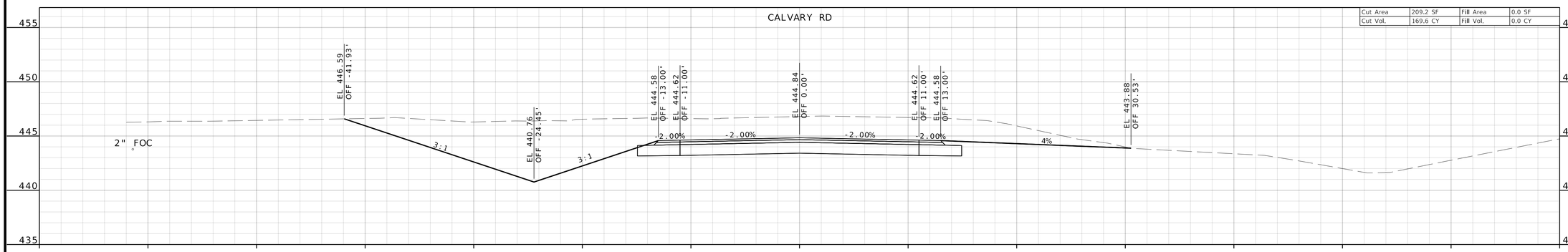
CROSS SECTION
SHEET 12 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

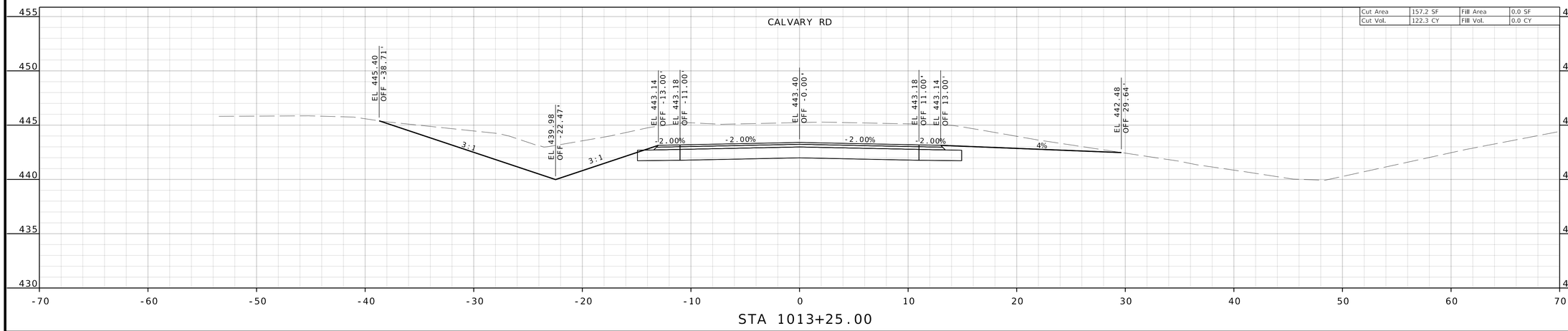
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1013+75.00



STA 1013+50.00



STA 1013+25.00

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 81

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

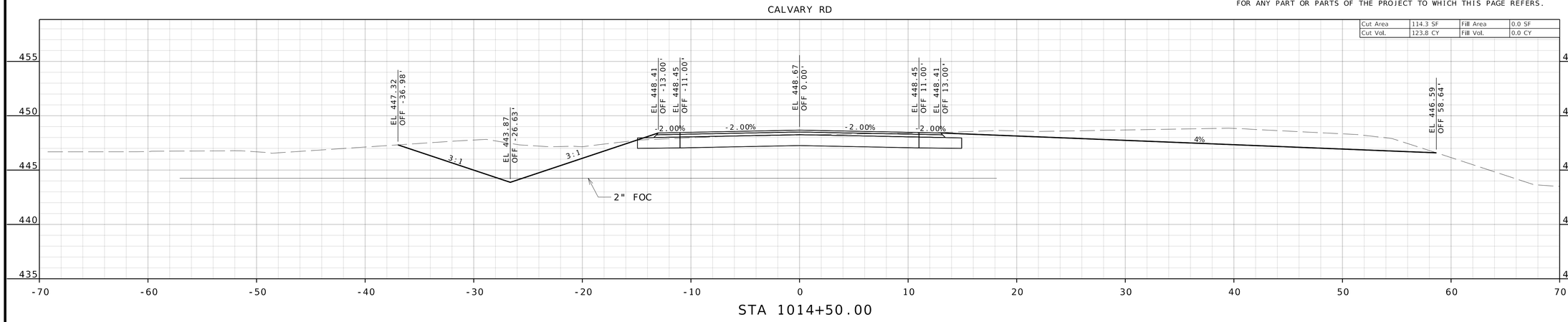
CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 13 OF 20

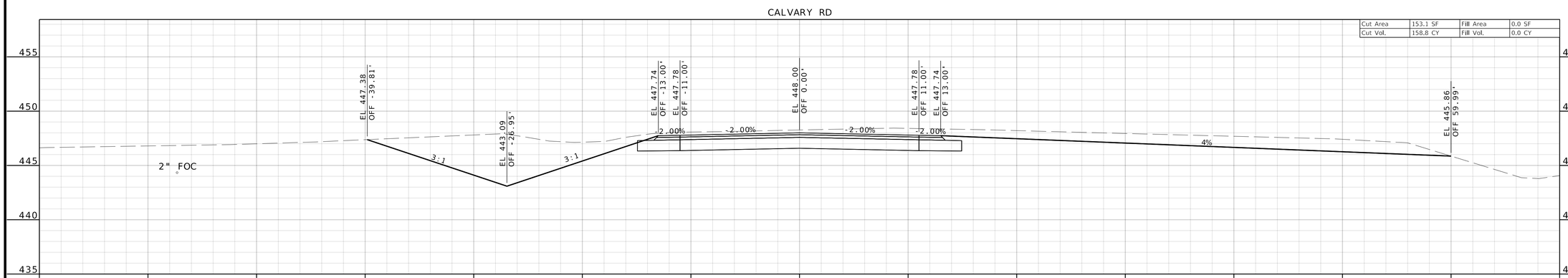
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

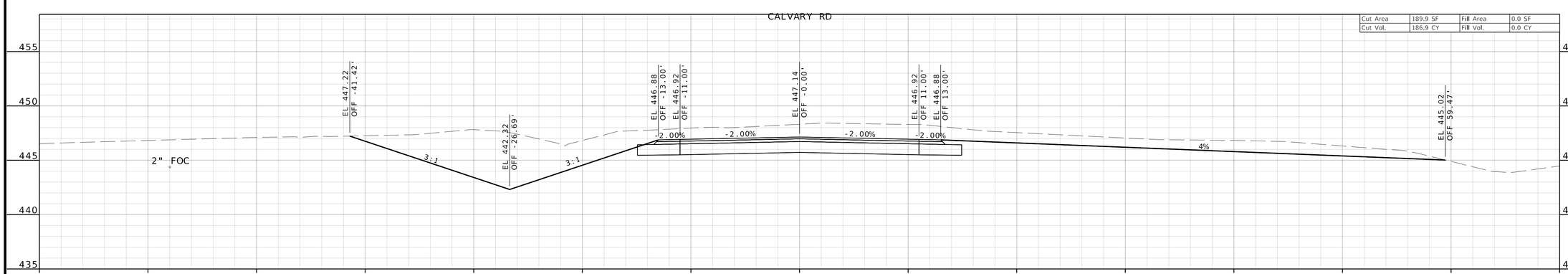
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1014+50.00



STA 1014+25.00



STA 1014+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO
SHEET NO. 82

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2454
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

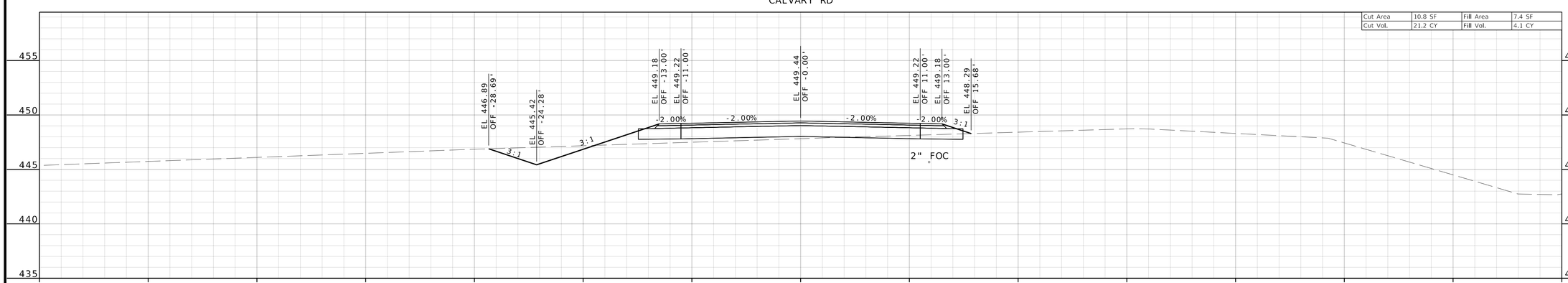
CROSS SECTION
SHEET 14 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

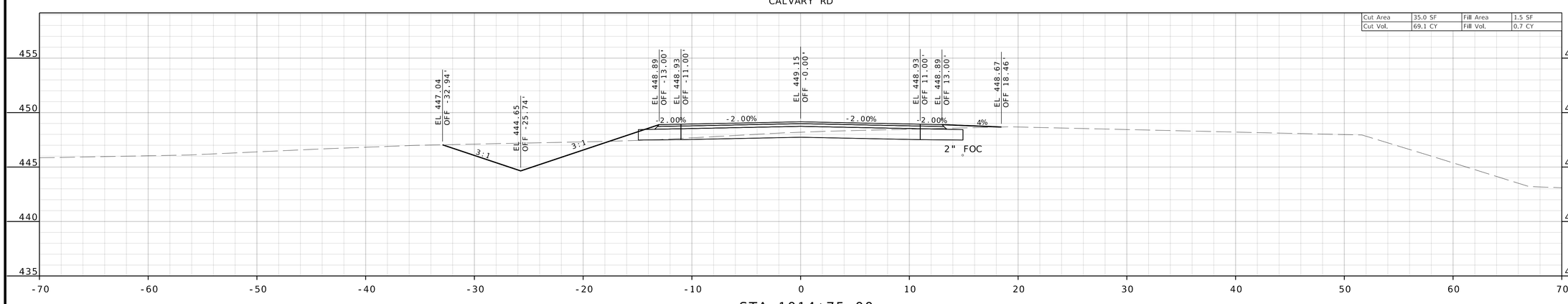
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY RD



STA 1015+00.00

CALVARY RD



STA 1014+75.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	83

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

CROSS SECTION
SHEET 15 OF 20

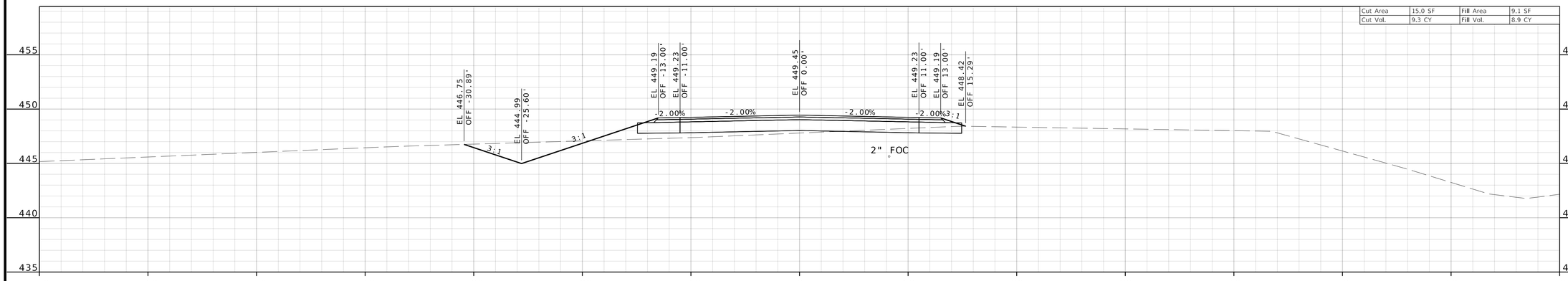
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:48 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY RD

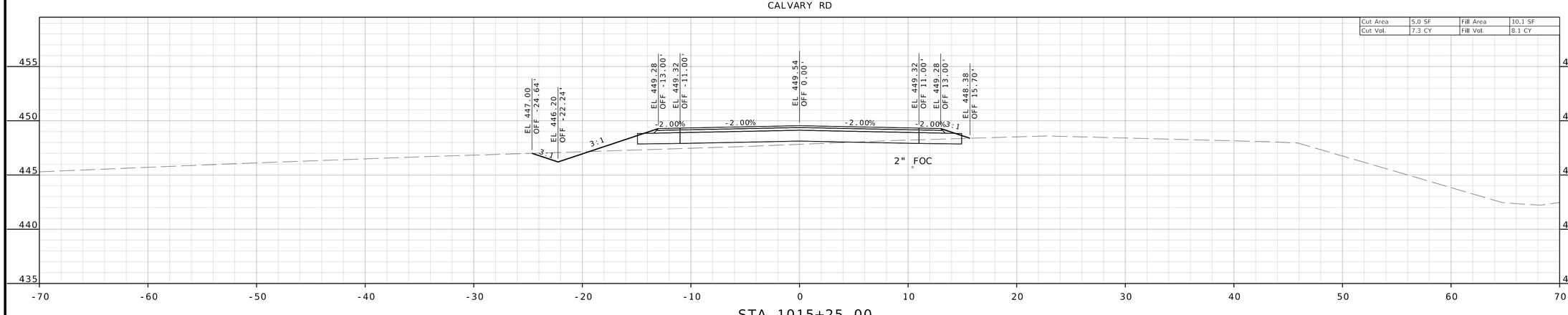
Cut Area	15.0 SF	Fill Area	9.1 SF
Cut Vol.	9.3 CY	Fill Vol.	8.9 CY



STA 1015+50.00

CALVARY RD

Cut Area	5.0 SF	Fill Area	10.1 SF
Cut Vol.	7.3 CY	Fill Vol.	8.1 CY



STA 1015+25.00

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	84

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

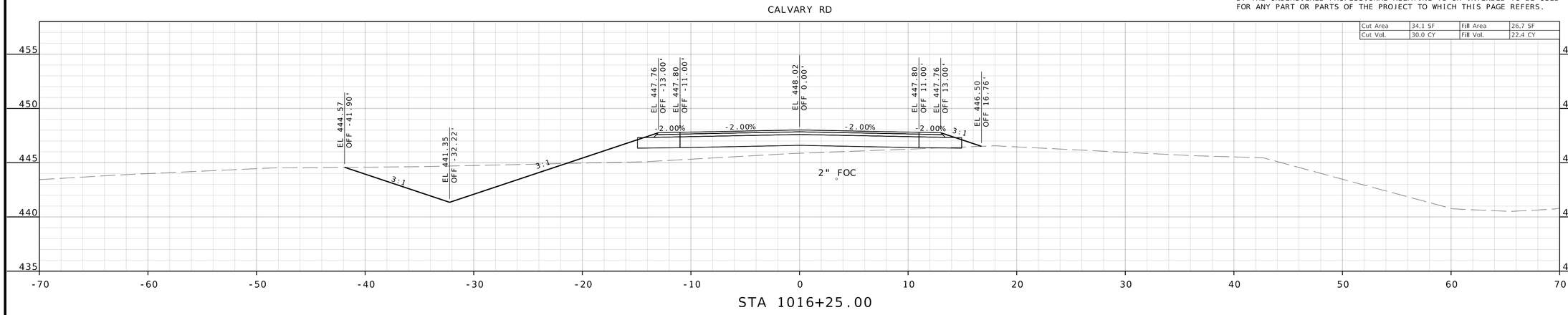
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

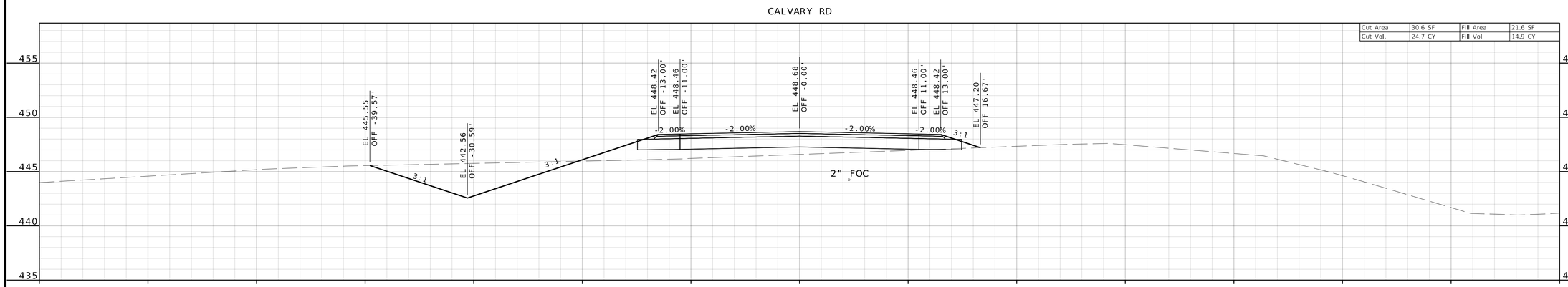
CROSS SECTION
SHEET 16 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

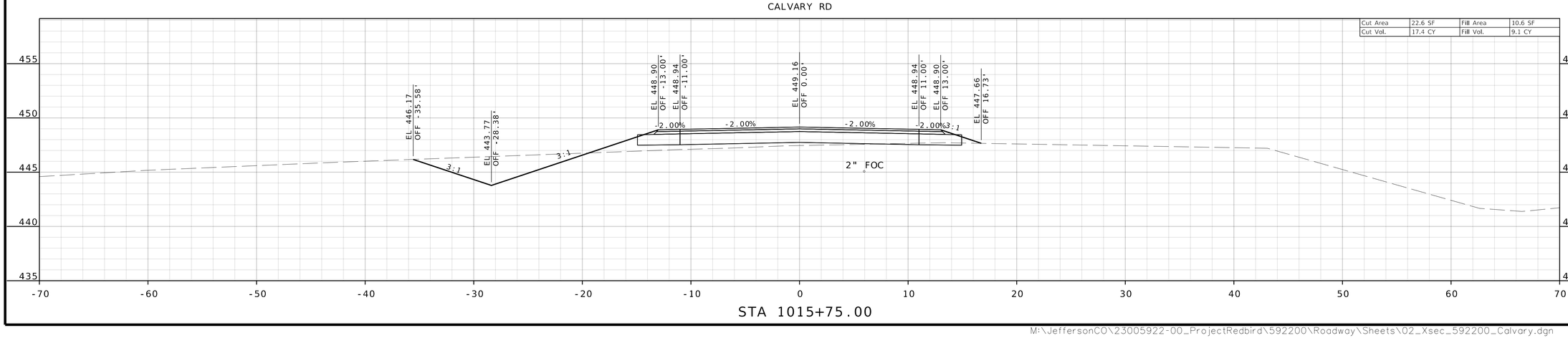
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1016+25.00



STA 1016+00.00



STA 1015+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 85

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

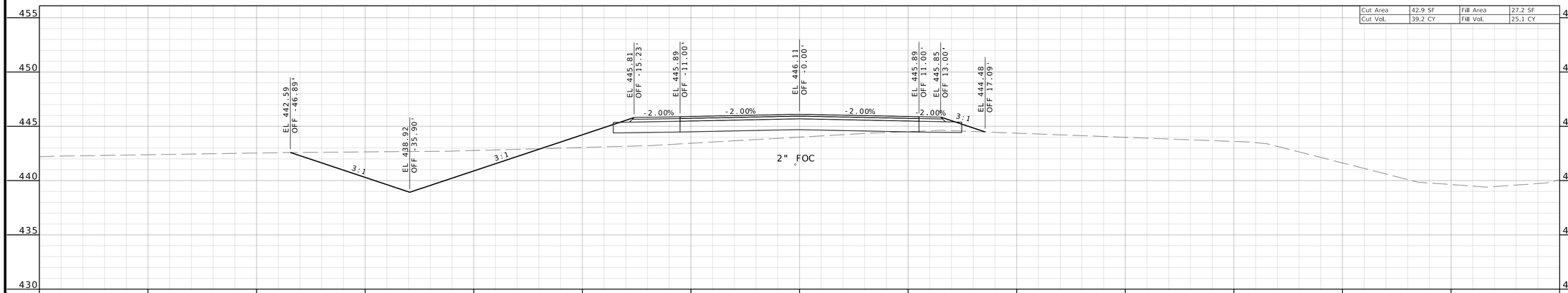
CROSS SECTION
SHEET 17 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

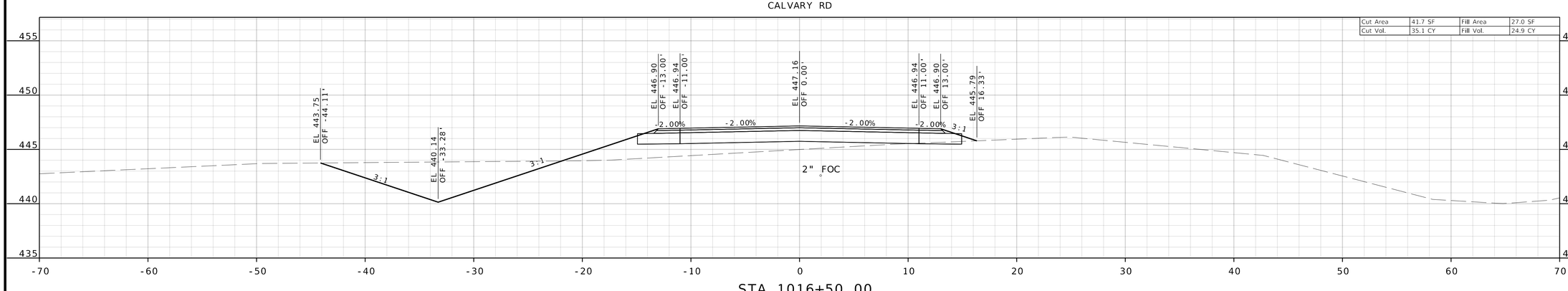
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY RD



STA 1016+75.00

CALVARY RD



STA 1016+50.00

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\02_Xsec_592200_Calvary.dgn 1:15:53 PM 10/16/2024

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	86

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

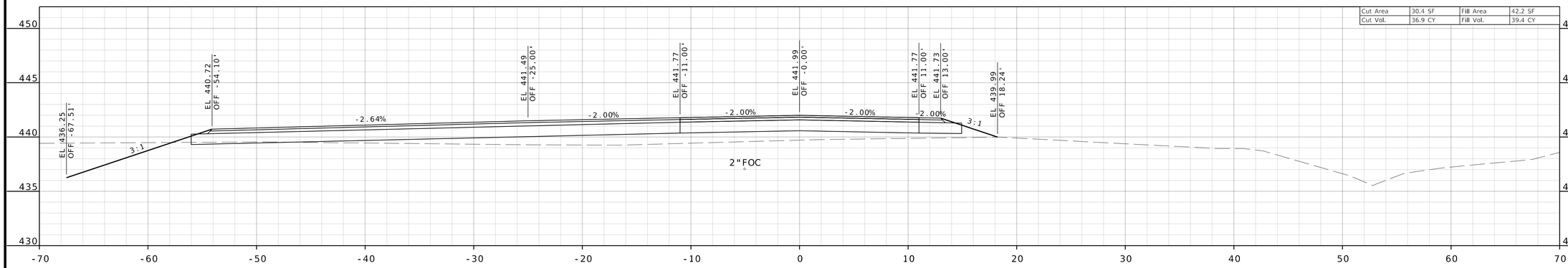
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MISSOURI 63043 (314) 344-1020
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 18 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

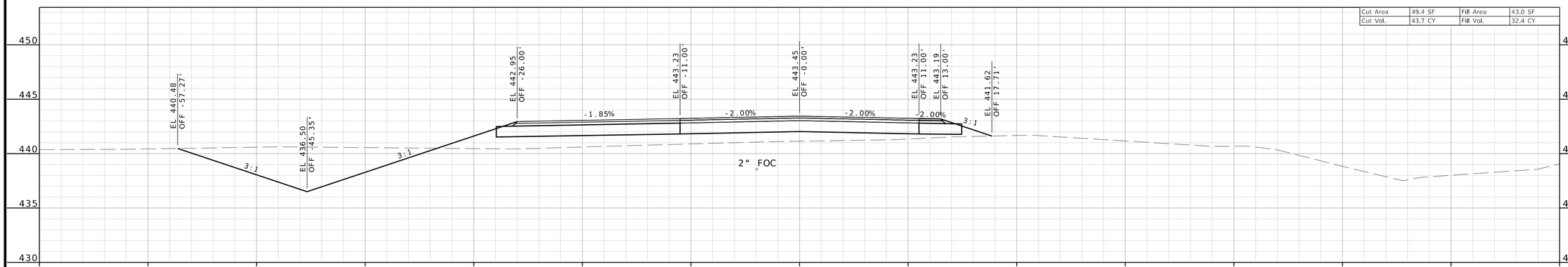
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY RD



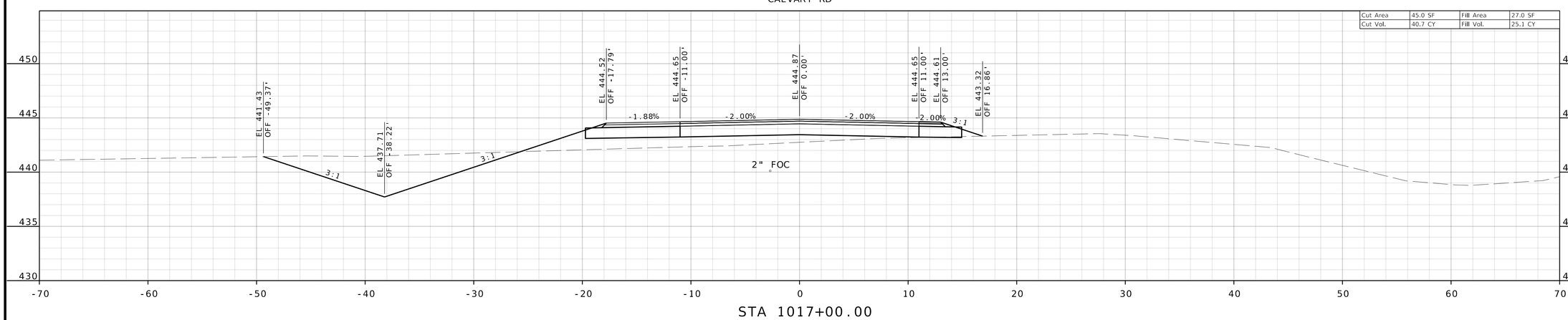
STA 1017+50.00

CALVARY RD



STA 1017+25.00

CALVARY RD



STA 1017+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 87

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

© Crawford, Murphy & Tilly, Inc.

CROSS SECTION
SHEET 19 OF 20

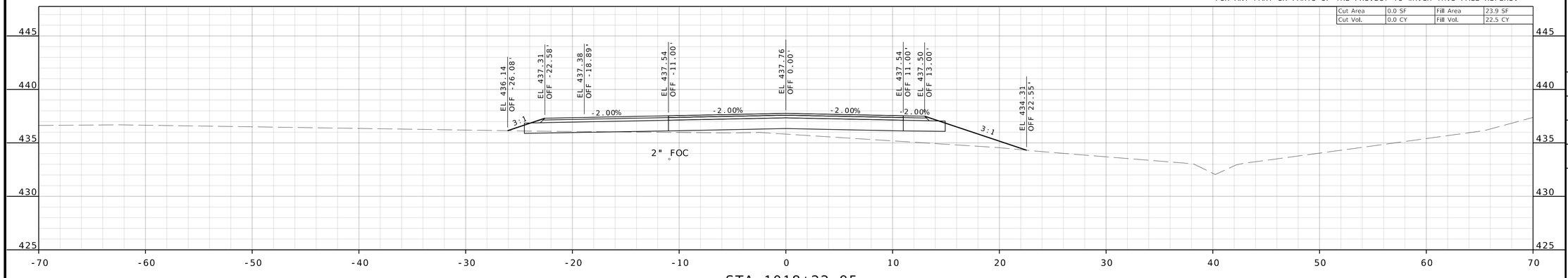
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CALVARY RD

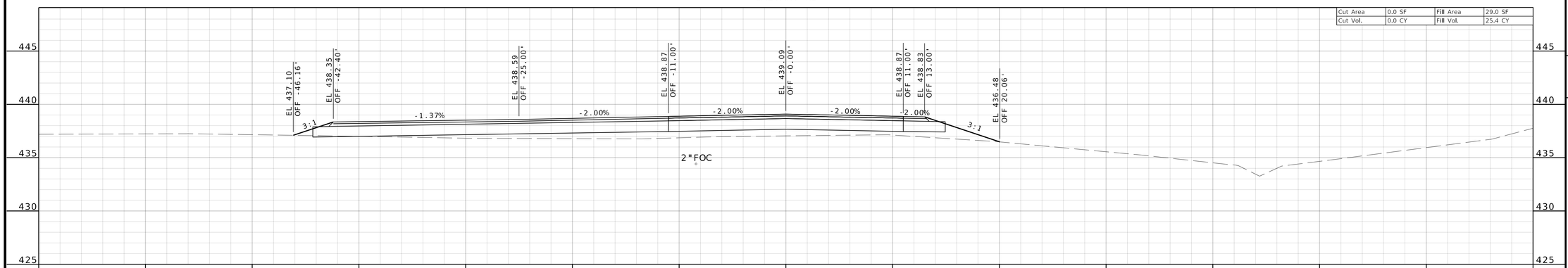
Cut Area	0.0 SF	Fill Area	23.9 SF
Cut Vol.	0.0 CY	Fill Vol.	22.5 CY



STA 1018+22.95

CALVARY RD

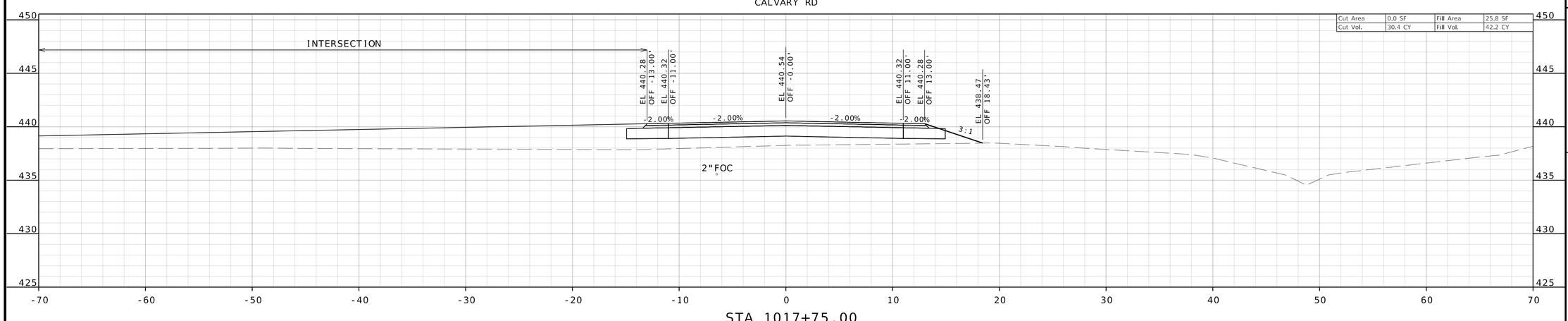
Cut Area	0.0 SF	Fill Area	29.0 SF
Cut Vol.	0.0 CY	Fill Vol.	25.4 CY



STA 1018+00.00

CALVARY RD

Cut Area	0.0 SF	Fill Area	25.8 SF
Cut Vol.	30.4 CY	Fill Vol.	42.2 CY



STA 1017+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 88

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

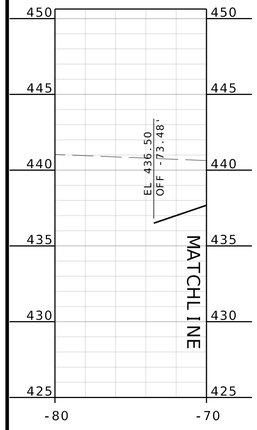
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

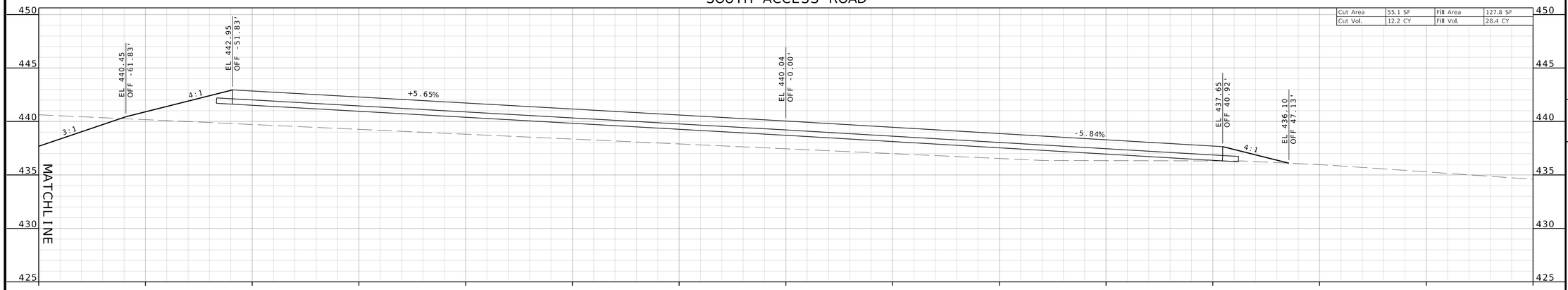
CROSS SECTION
SHEET 20 OF 20

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

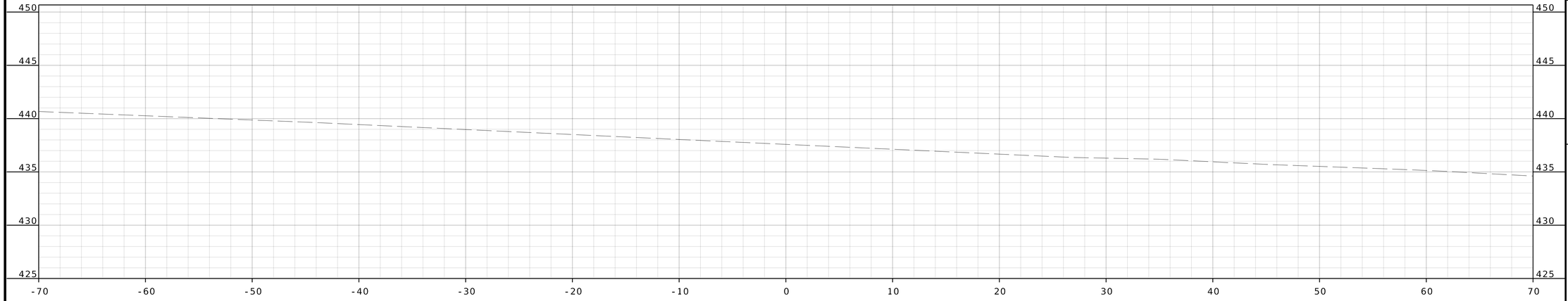
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



STA 10+25.00



STA 10+00.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	89

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

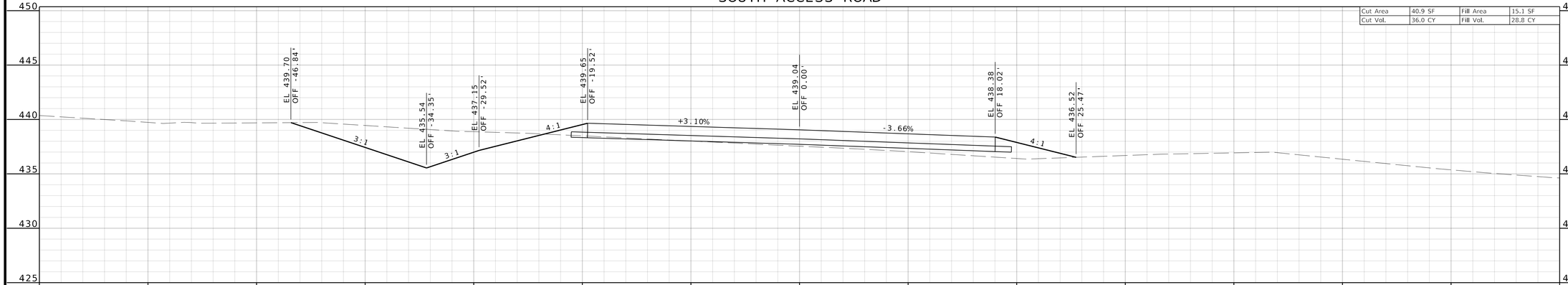
CROSS SECTION
SHEET 1 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

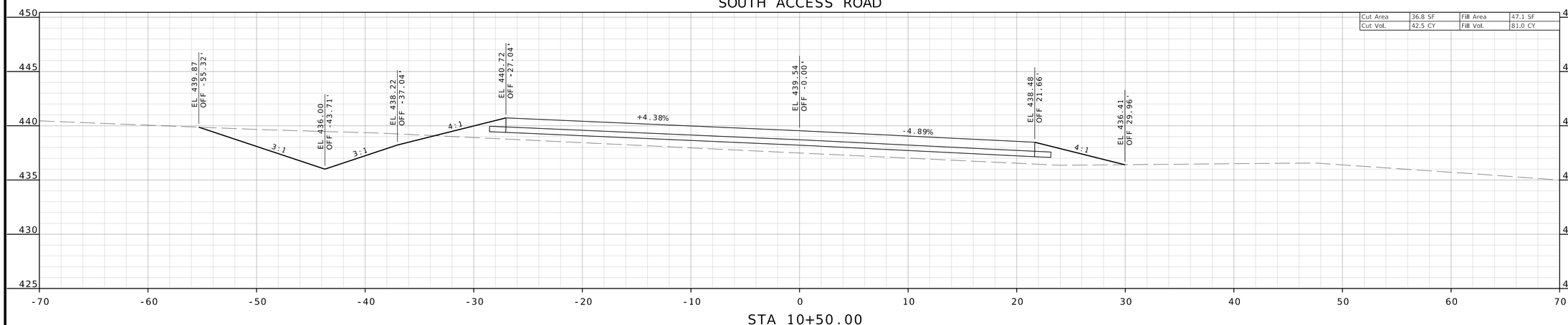
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD



STA 10+75.00

SOUTH ACCESS ROAD



STA 10+50.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	90

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

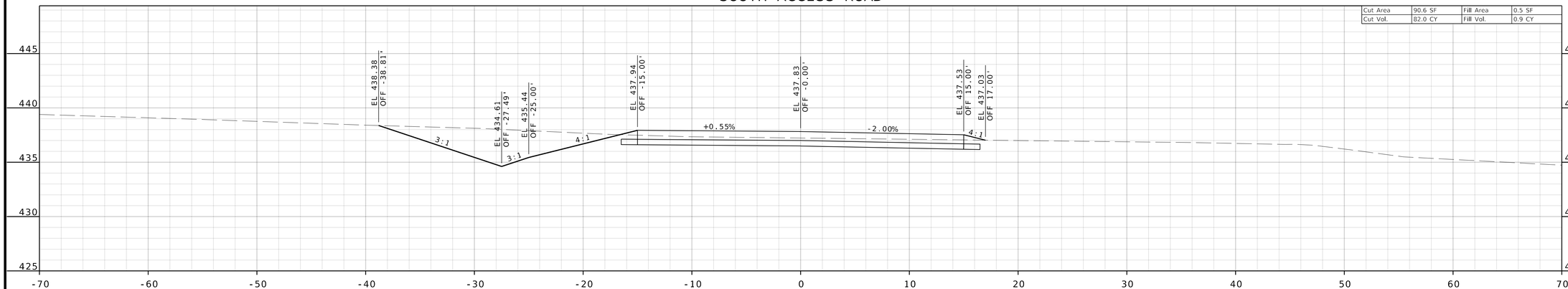
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 2 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

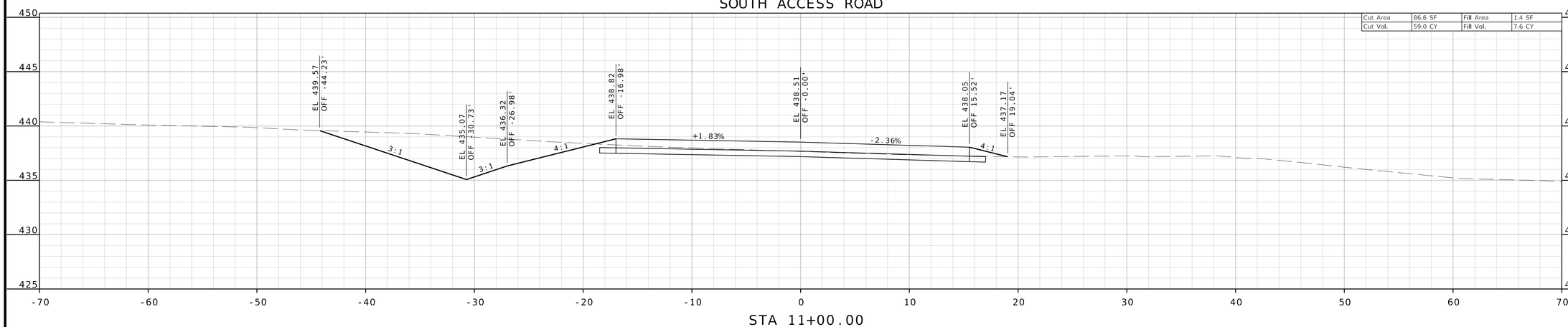
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD



STA 11+25.00

SOUTH ACCESS ROAD



STA 11+00.00

TODD EHLEN NUMBER
PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	91

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

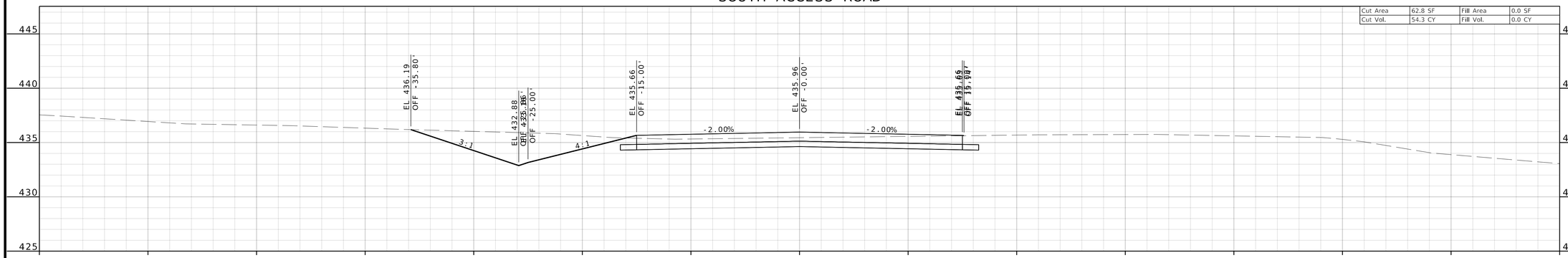
CROSS SECTION
SHEET 3 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

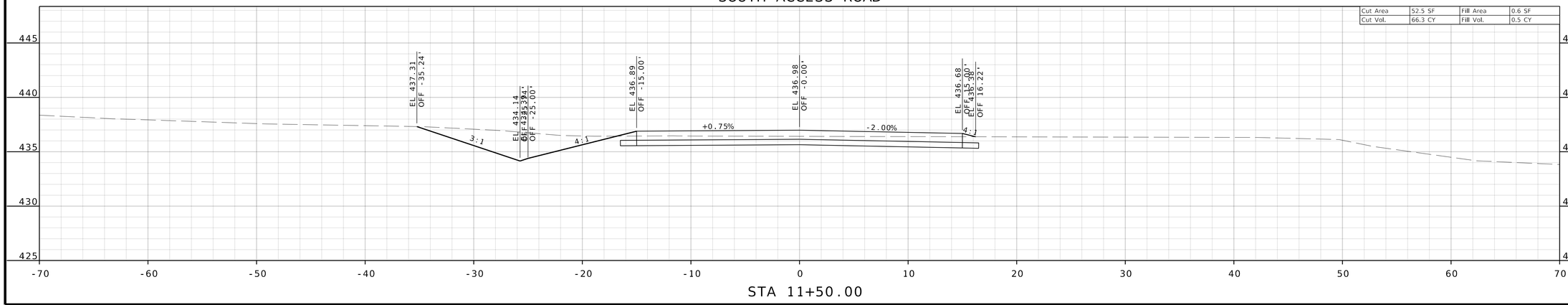
Cut Area	62.8 SF	Fill Area	0.0 SF
Cut Vol.	54.3 CY	Fill Vol.	0.0 CY



STA 11+75.00

SOUTH ACCESS ROAD

Cut Area	52.5 SF	Fill Area	0.6 SF
Cut Vol.	66.3 CY	Fill Vol.	0.5 CY



STA 11+50.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	92

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102-2430 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 4 OF 32

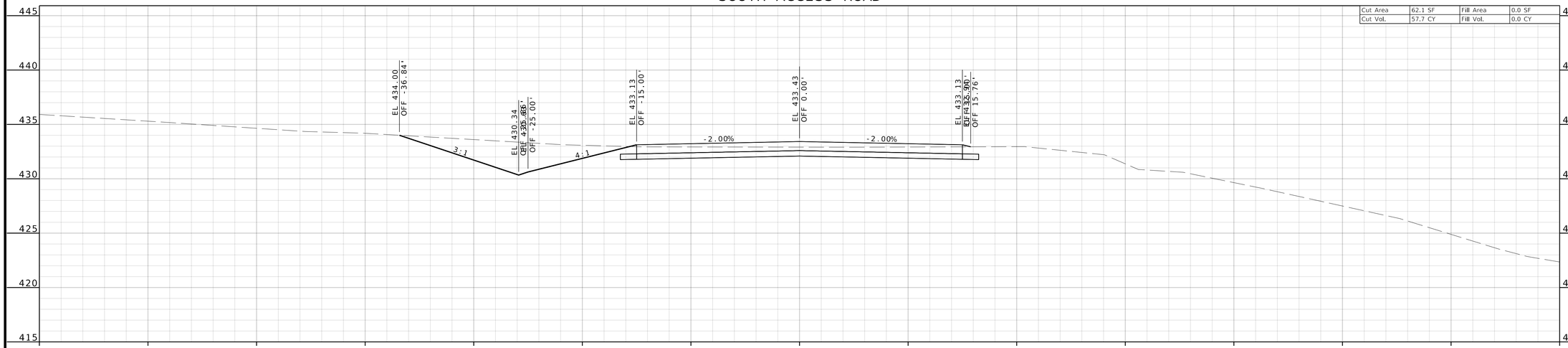
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

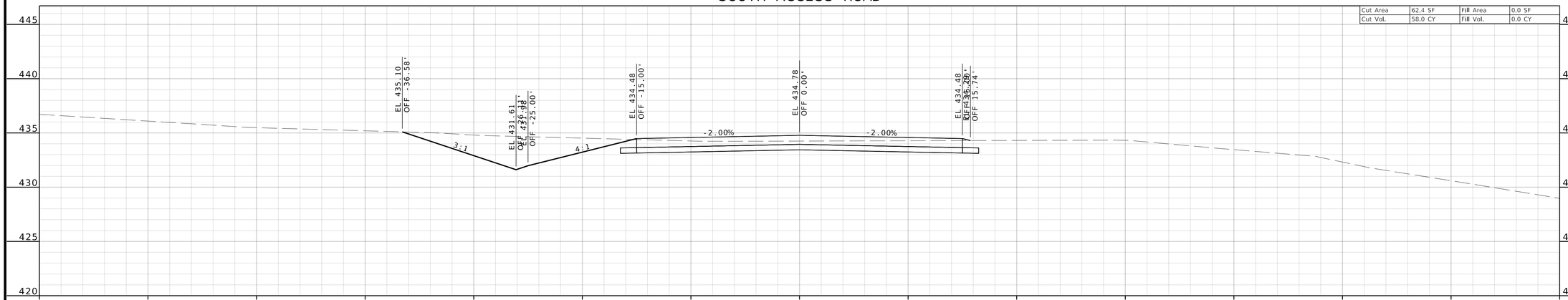
Cut Area	62.1 SF	Fill Area	0.0 SF
Cut Vol.	57.7 CY	Fill Vol.	0.0 CY



STA 12+25.00

SOUTH ACCESS ROAD

Cut Area	62.4 SF	Fill Area	0.0 SF
Cut Vol.	58.0 CY	Fill Vol.	0.0 CY



STA 12+00.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	93

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 5 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

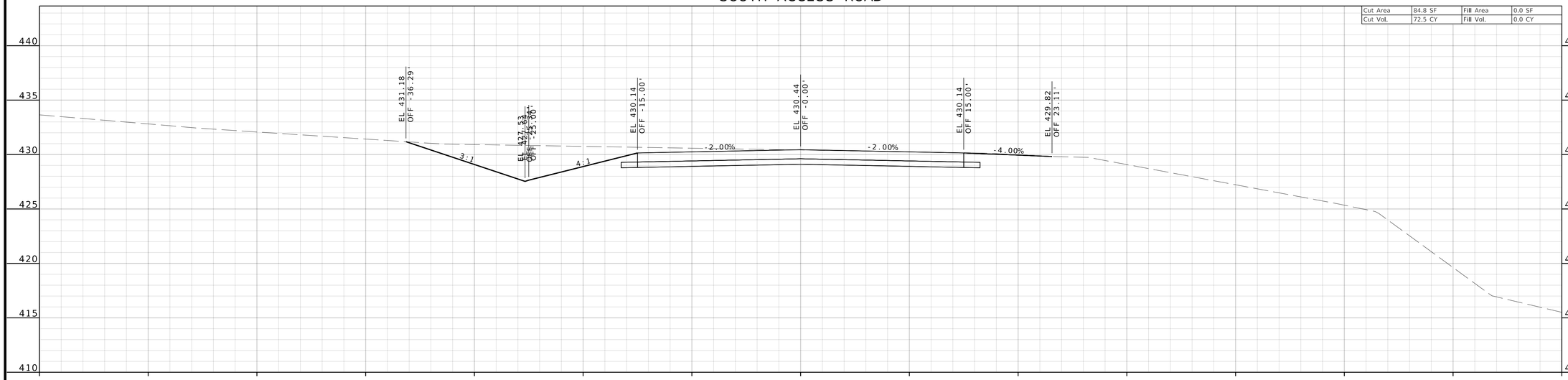
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:31 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

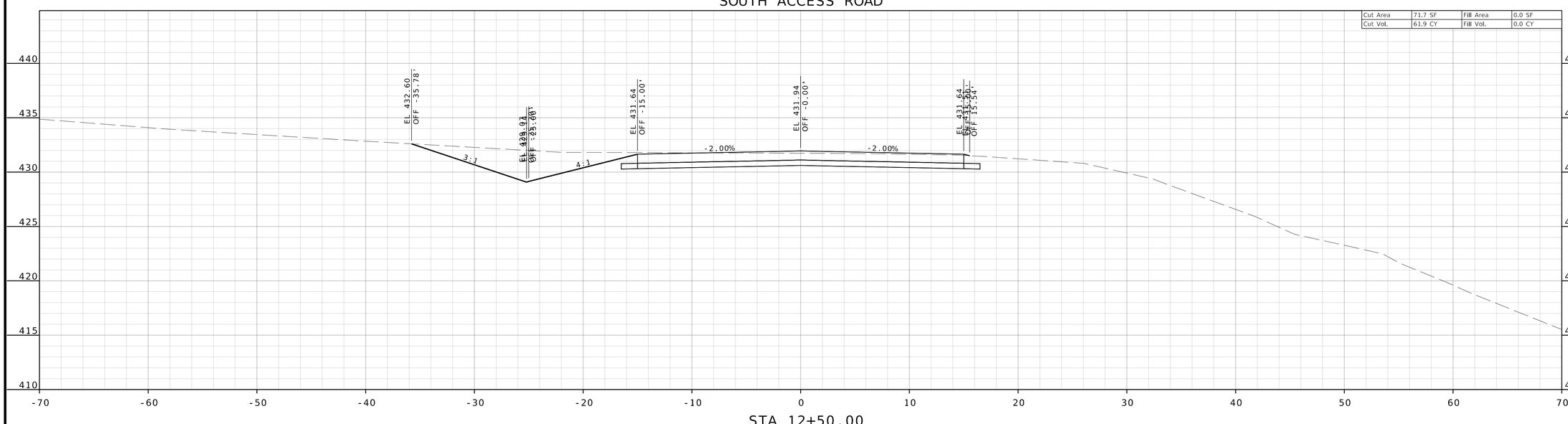
Cut Area	84.8 SF	Fill Area	0.0 SF
Cut Vol.	72.5 CY	Fill Vol.	0.0 CY



STA 12+75.00

SOUTH ACCESS ROAD

Cut Area	71.7 SF	Fill Area	0.0 SF
Cut Vol.	61.9 CY	Fill Vol.	0.0 CY



STA 12+50.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 94

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 6 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

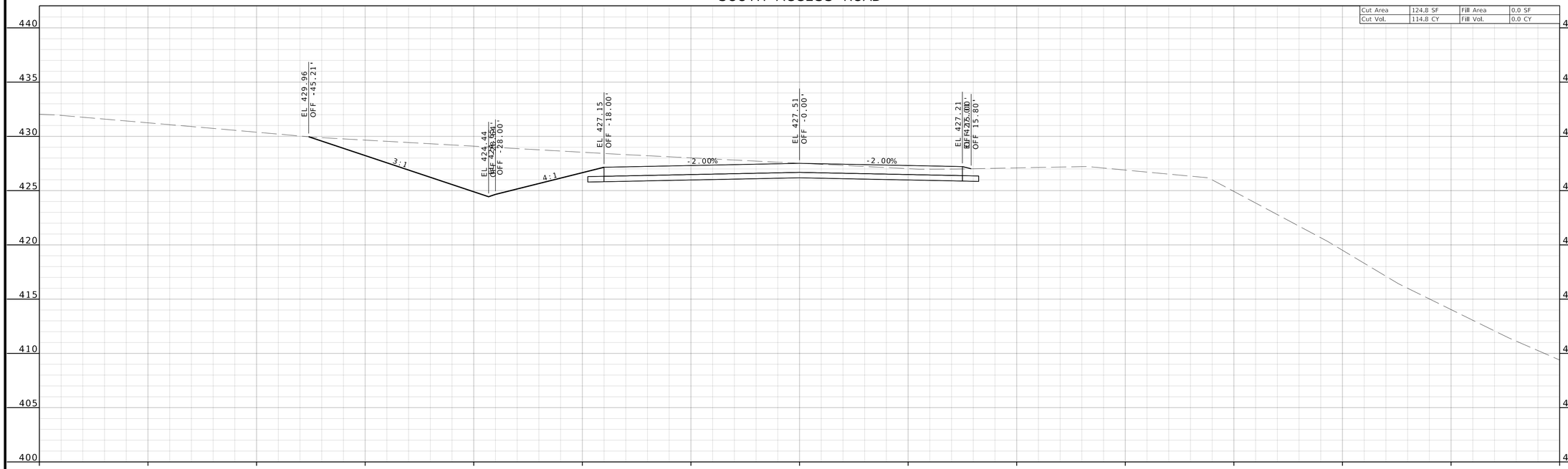
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:32 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

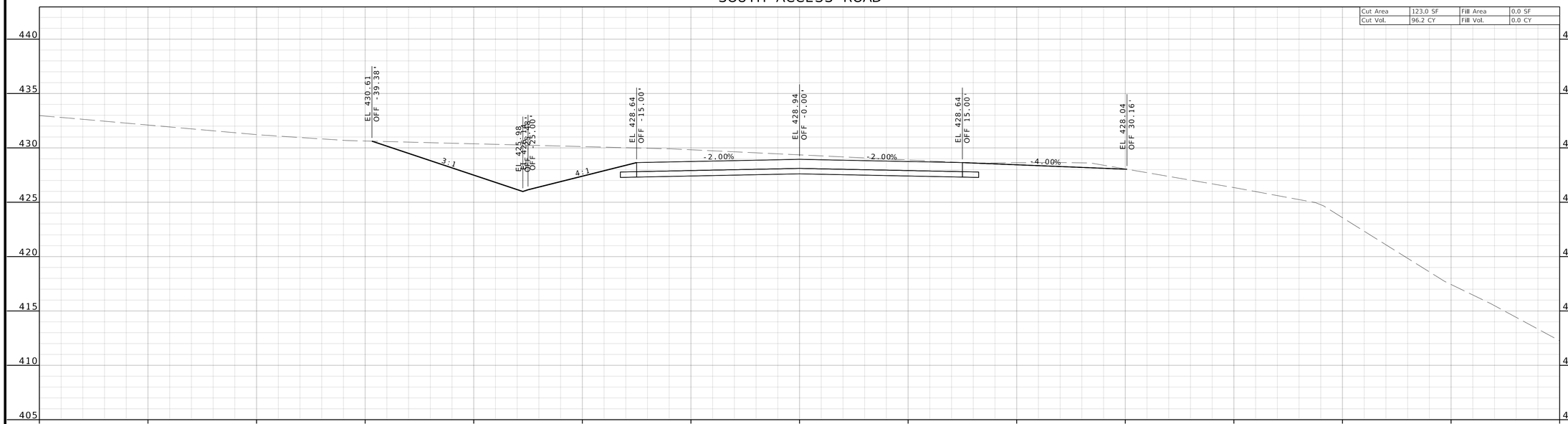
Cut Area	124.8 SF	Fill Area	0.0 SF
Cut Vol.	114.8 CY	Fill Vol.	0.0 CY



STA 13+25.00

SOUTH ACCESS ROAD

Cut Area	123.0 SF	Fill Area	0.0 SF
Cut Vol.	96.2 CY	Fill Vol.	0.0 CY



STA 13+00.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	95

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

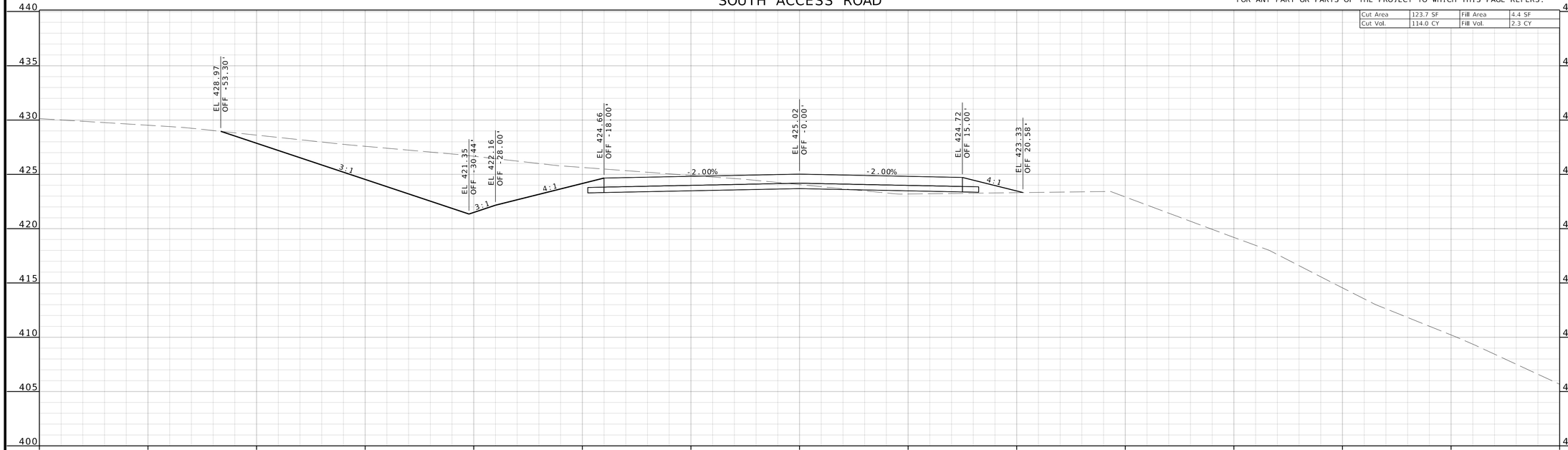
CROSS SECTION
SHEET 7 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

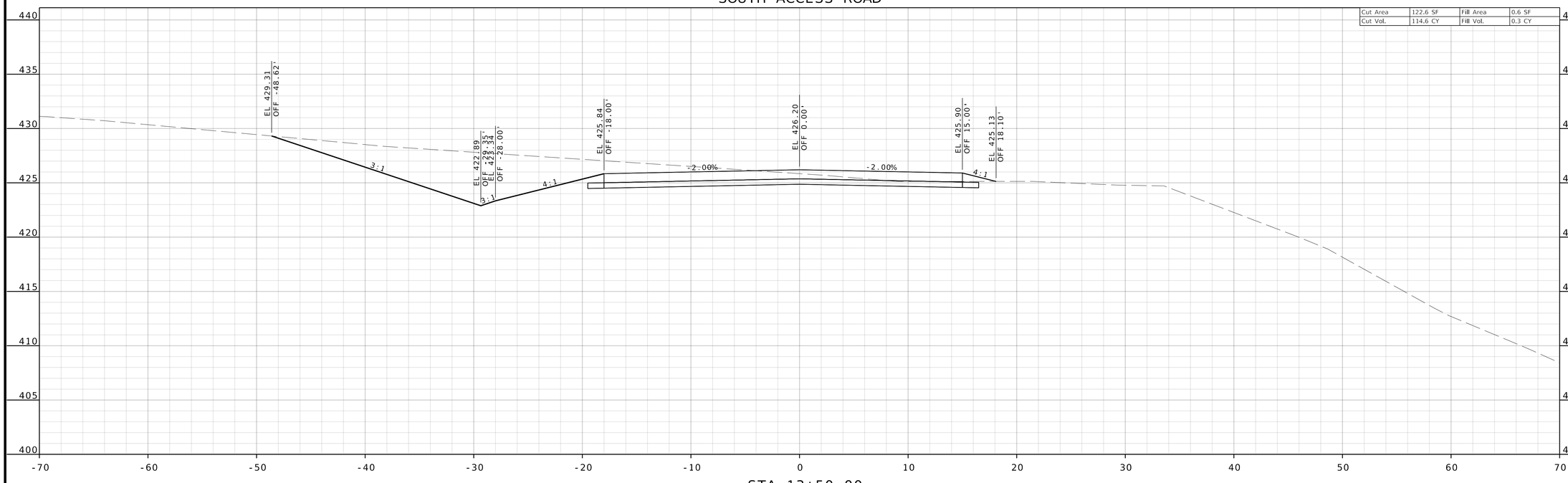
Cut Area	123.7 SF	Fill Area	4.4 SF
Cut Vol.	114.0 CY	Fill Vol.	2.3 CY



STA 13+75.00

SOUTH ACCESS ROAD

Cut Area	122.6 SF	Fill Area	0.6 SF
Cut Vol.	114.6 CY	Fill Vol.	0.3 CY



STA 13+50.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO
SHEET NO. 96

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 8 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

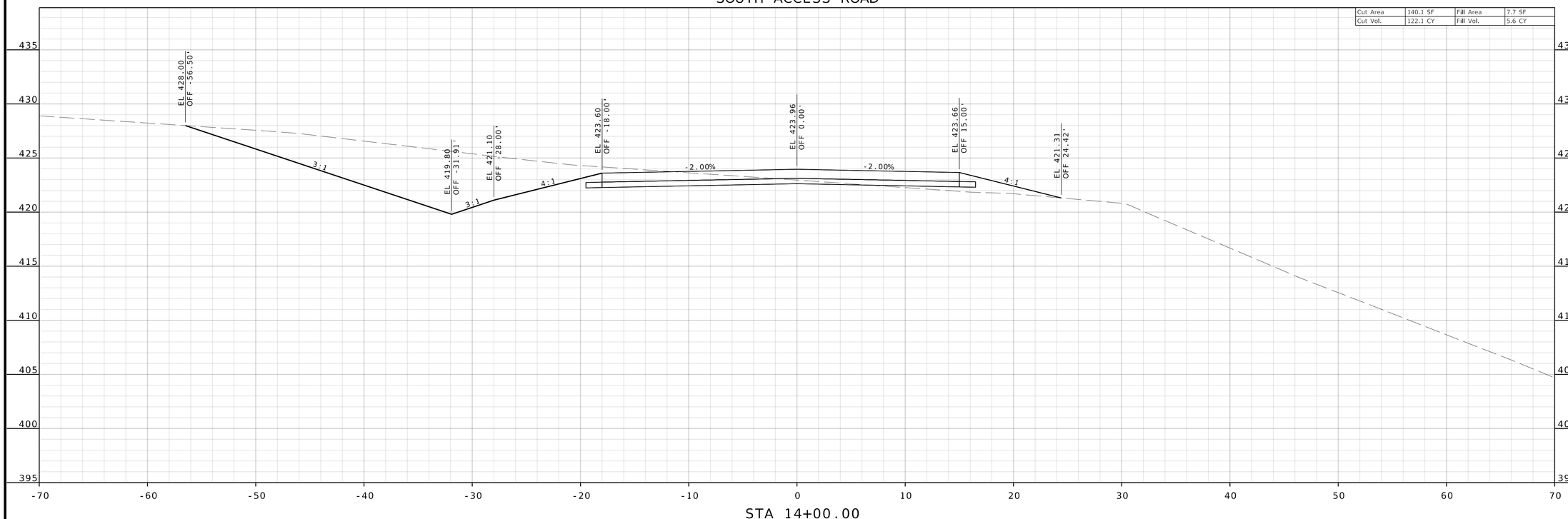
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:35 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

Cut Area	140.1 SF	Fill Area	7.7 SF
Cut Vol.	122.1 CY	Fill Vol.	5.6 CY



STA 14+00.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	97

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 9 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

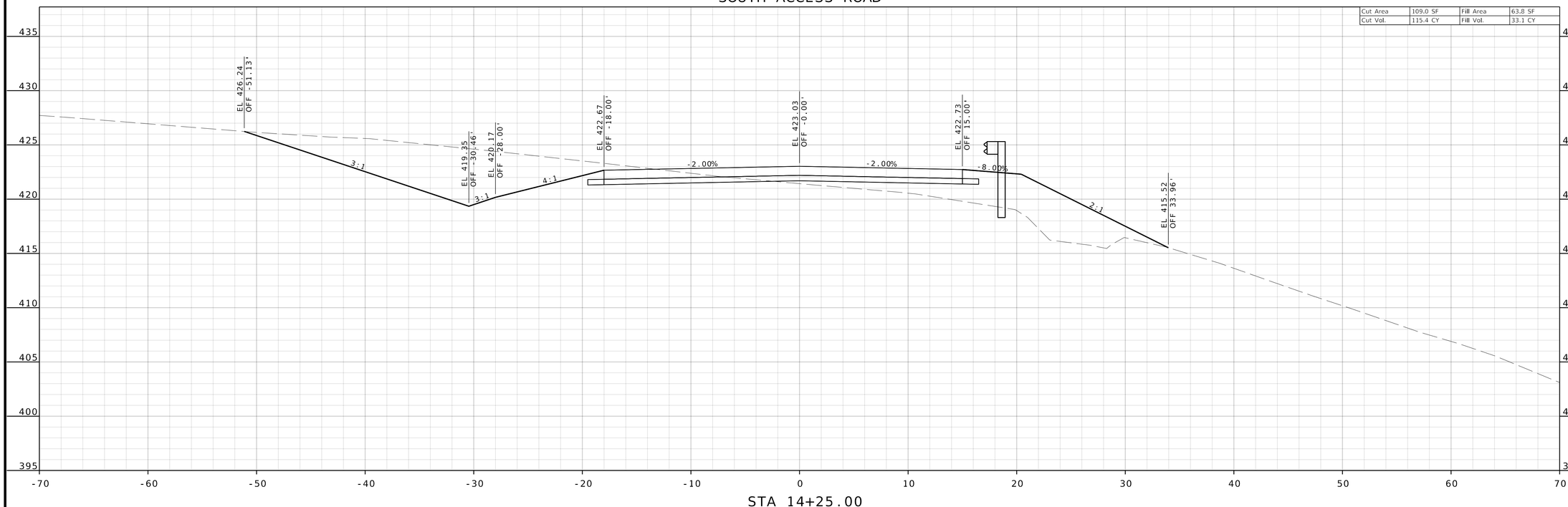
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:36 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

Cut Area	109.0 SF	Fill Area	63.8 SF
Cut Vol.	115.4 CY	Fill Vol.	33.1 CY



STA 14+25.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 98

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 10 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

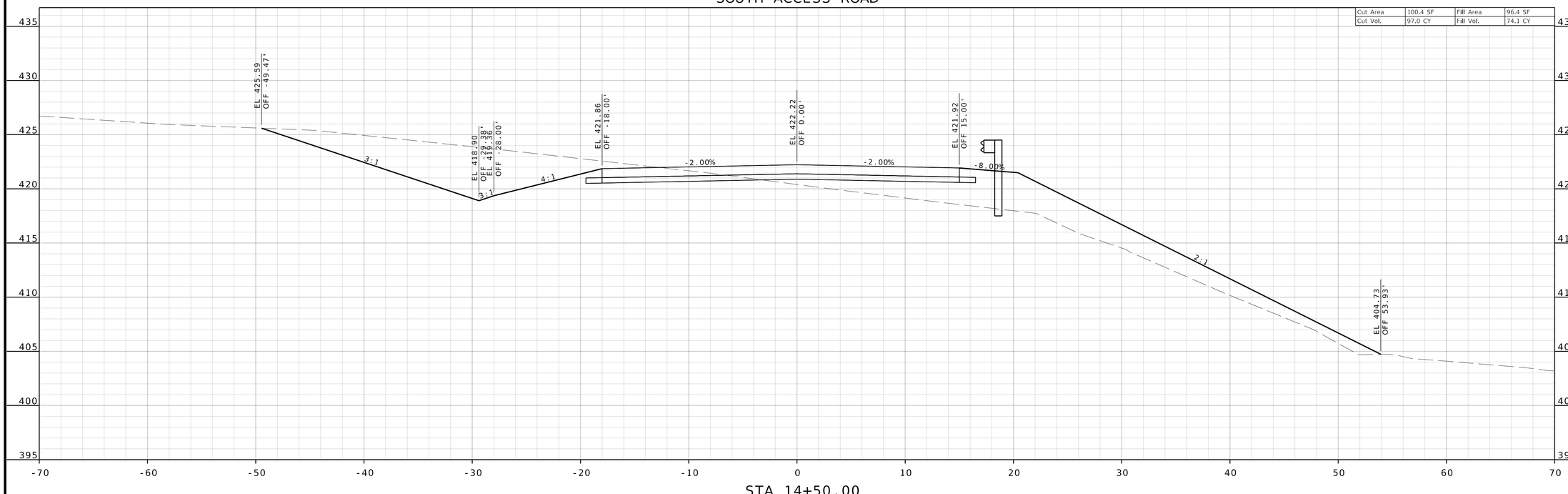
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:38 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

Cut Area	100.4 SF	Fill Area	96.4 SF
Cut Vol.	97.0 CY	Fill Vol.	74.1 CY



STA 14+50.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	99

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-8500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

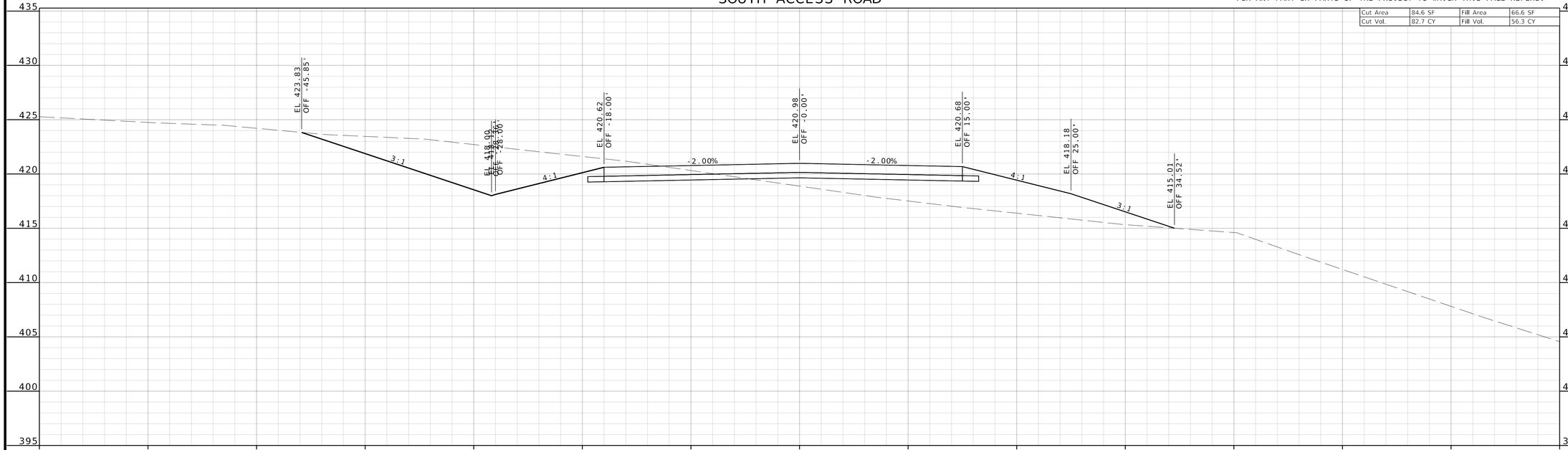
CROSS SECTION
SHEET 11 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

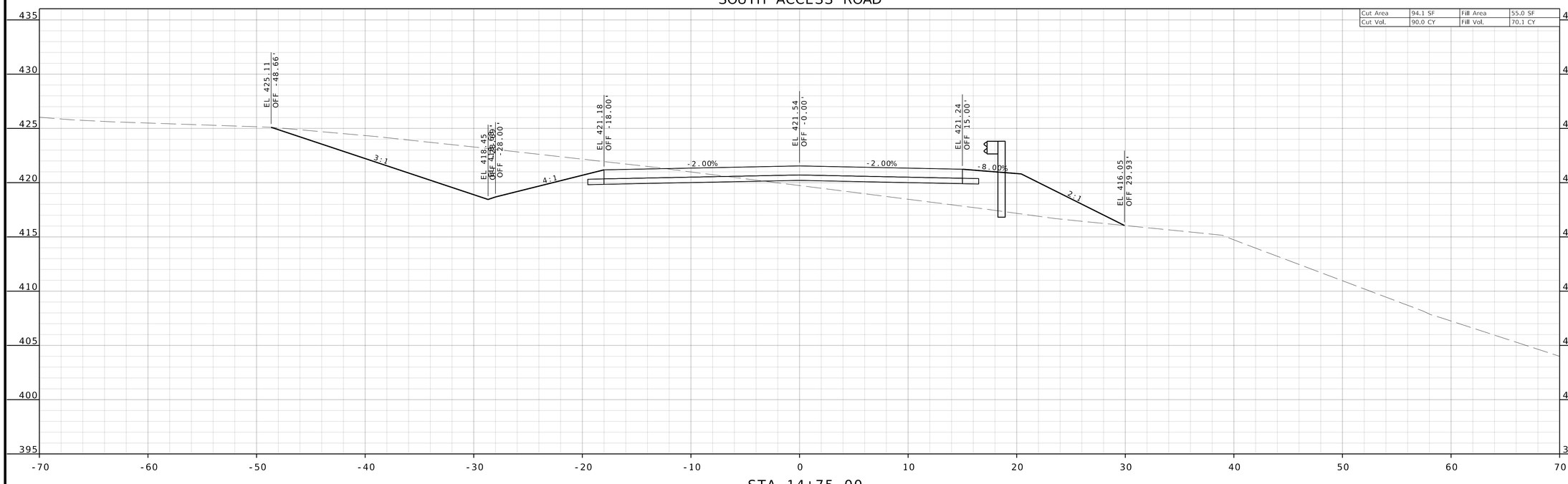
Cut Area	84.6 SF	Fill Area	66.6 SF
Cut Vol.	82.7 CY	Fill Vol.	56.3 CY



STA 15+00.00

SOUTH ACCESS ROAD

Cut Area	94.1 SF	Fill Area	55.0 SF
Cut Vol.	90.0 CY	Fill Vol.	70.1 CY



STA 14+75.00

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TODD EHLEN NUMBER PE-2006019649
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 100

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

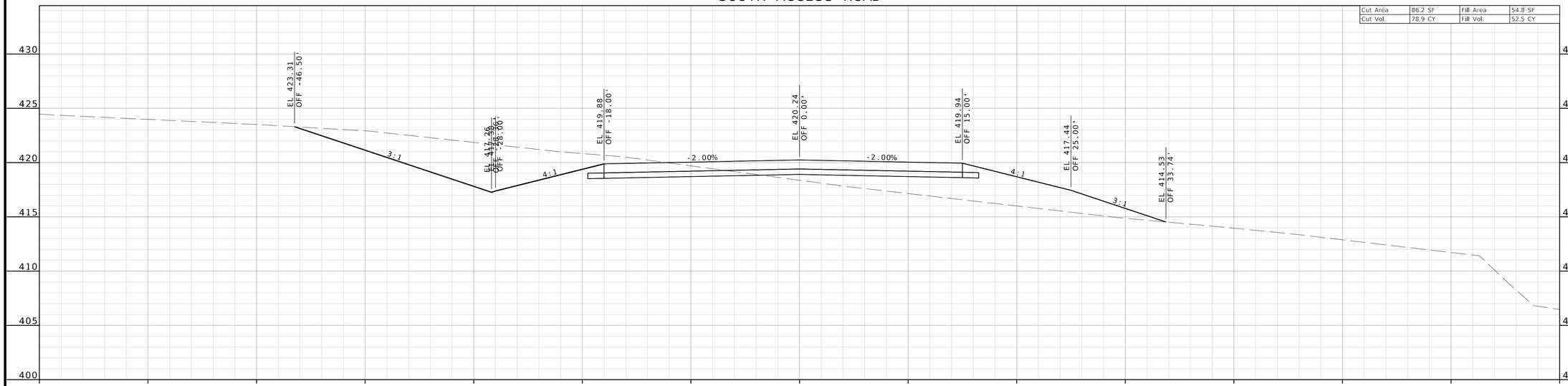
CROSS SECTION
SHEET 12 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

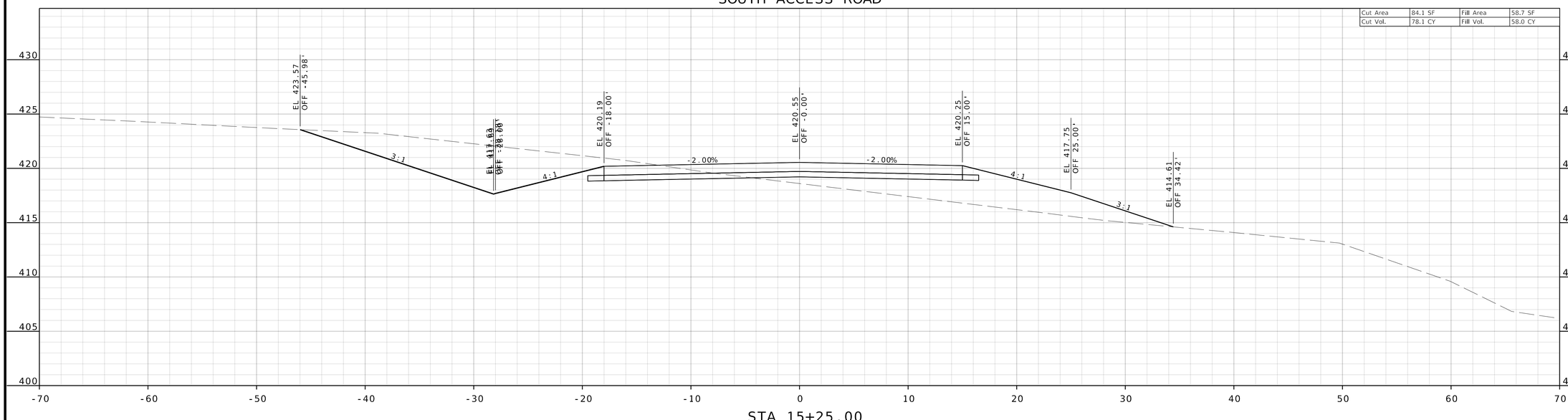
Cut Area	86.2 SF	Fill Area	54.8 SF
Cut Vol.	78.9 CY	Fill Vol.	52.5 CY



STA 15+50.00

SOUTH ACCESS ROAD

Cut Area	84.1 SF	Fill Area	58.7 SF
Cut Vol.	78.1 CY	Fill Vol.	58.0 CY



STA 15+25.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 101

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 13 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

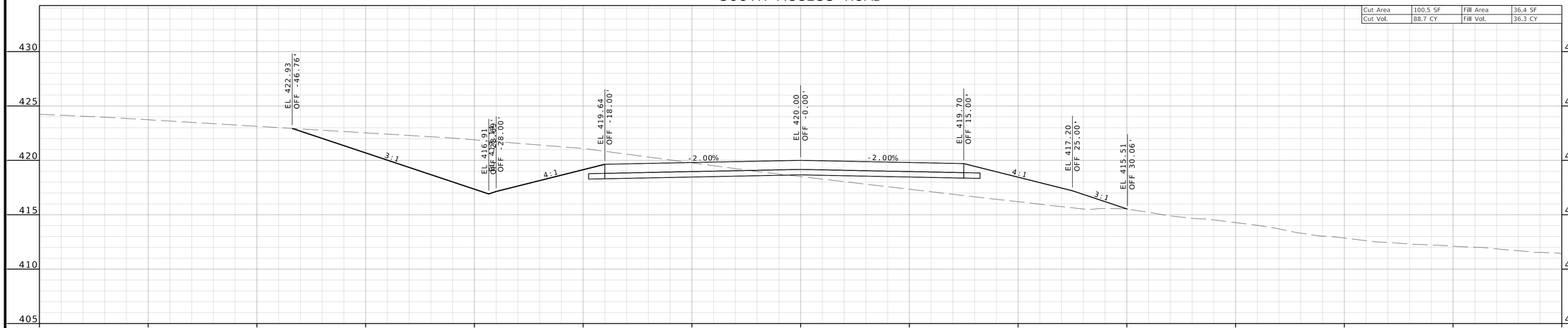
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:43 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

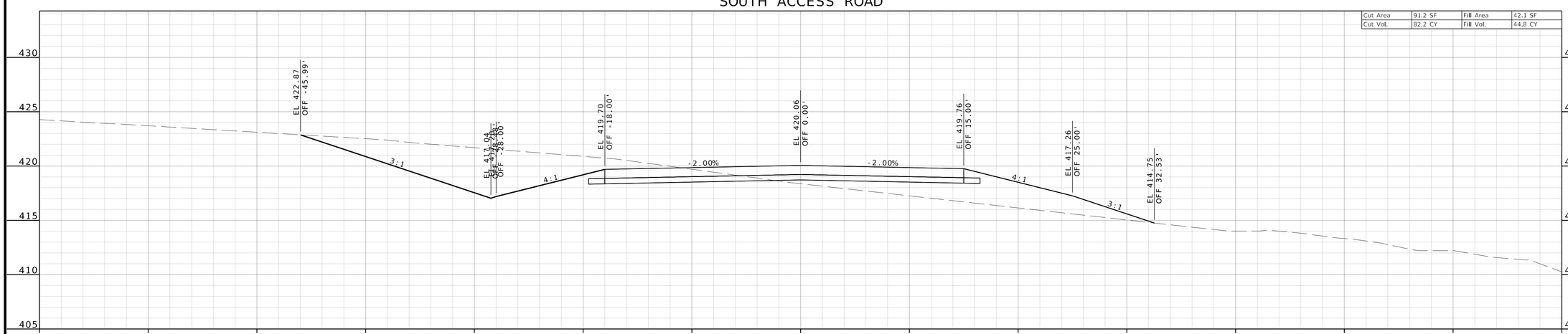
Cut Area	100.5 SF	Fill Area	36.4 SF
Cut Vol.	88.7 CY	Fill Vol.	36.3 CY



STA 16+00.00

SOUTH ACCESS ROAD

Cut Area	91.2 SF	Fill Area	42.1 SF
Cut Vol.	82.2 CY	Fill Vol.	44.8 CY



STA 15+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	102

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 14 OF 32

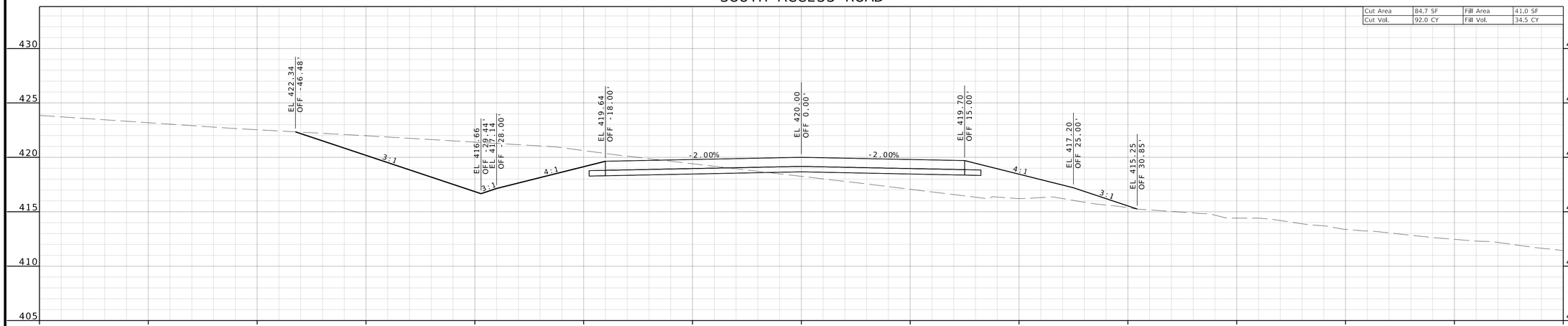
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

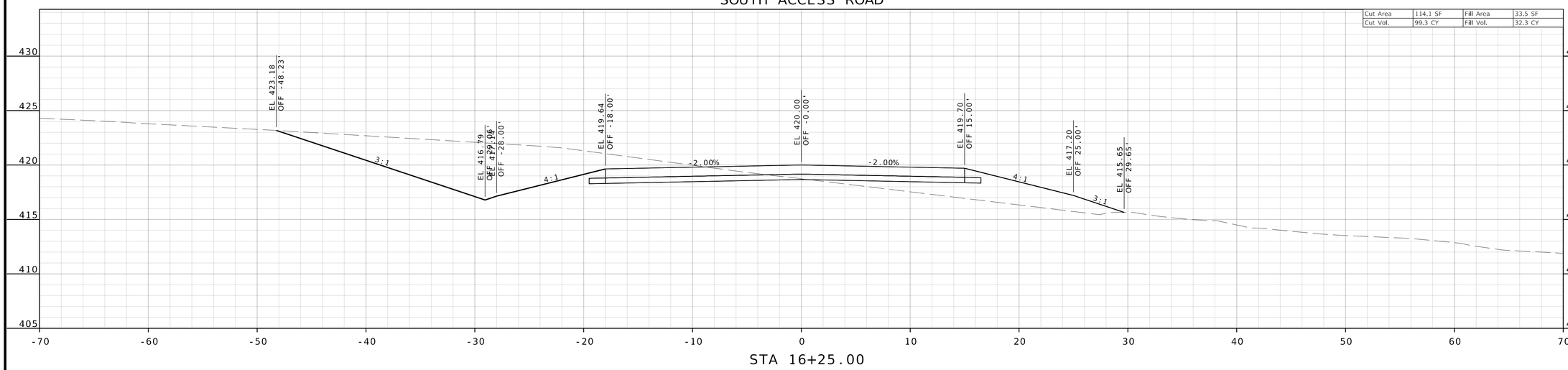
Cut Area	84.7 SF	Fill Area	41.0 SF
Cut Vol.	92.0 CY	Fill Vol.	34.5 CY



STA 16+50.00

SOUTH ACCESS ROAD

Cut Area	114.1 SF	Fill Area	33.5 SF
Cut Vol.	99.3 CY	Fill Vol.	32.3 CY



STA 16+25.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE: MO
SHEET NO.: 103

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 15 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

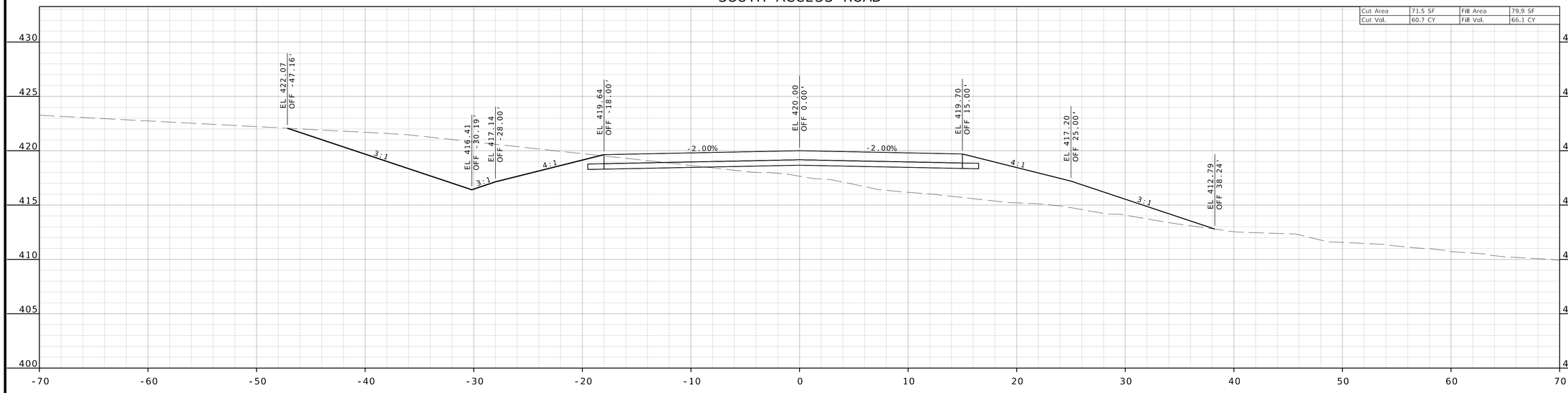
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:46 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

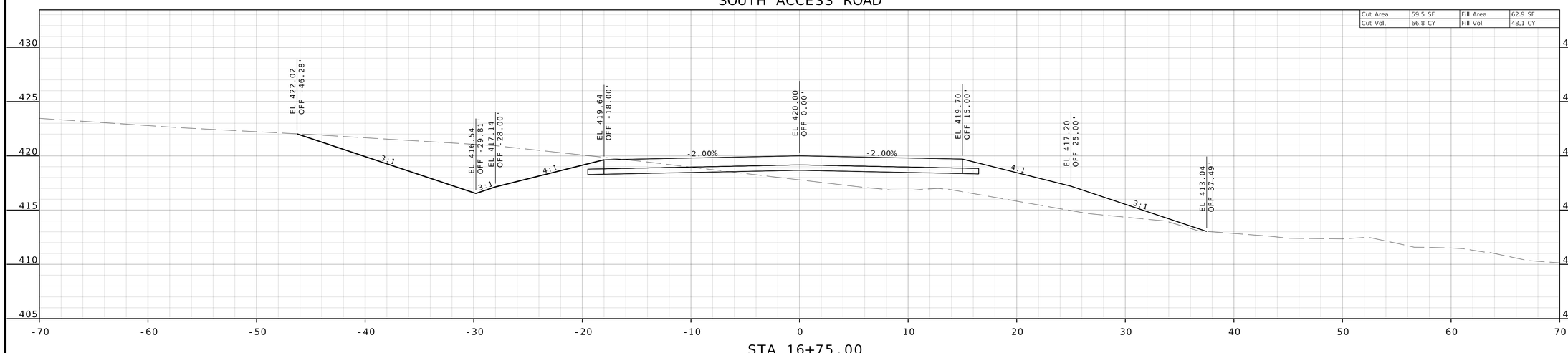
Cut Area	71.5 SF	Fill Area	79.9 SF
Cut Vol.	60.7 CY	Fill Vol.	66.1 CY



STA 17+00.00

SOUTH ACCESS ROAD

Cut Area	59.5 SF	Fill Area	62.9 SF
Cut Vol.	66.8 CY	Fill Vol.	48.1 CY



STA 16+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 104

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.3500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc

CROSS SECTION
SHEET 16 OF 32

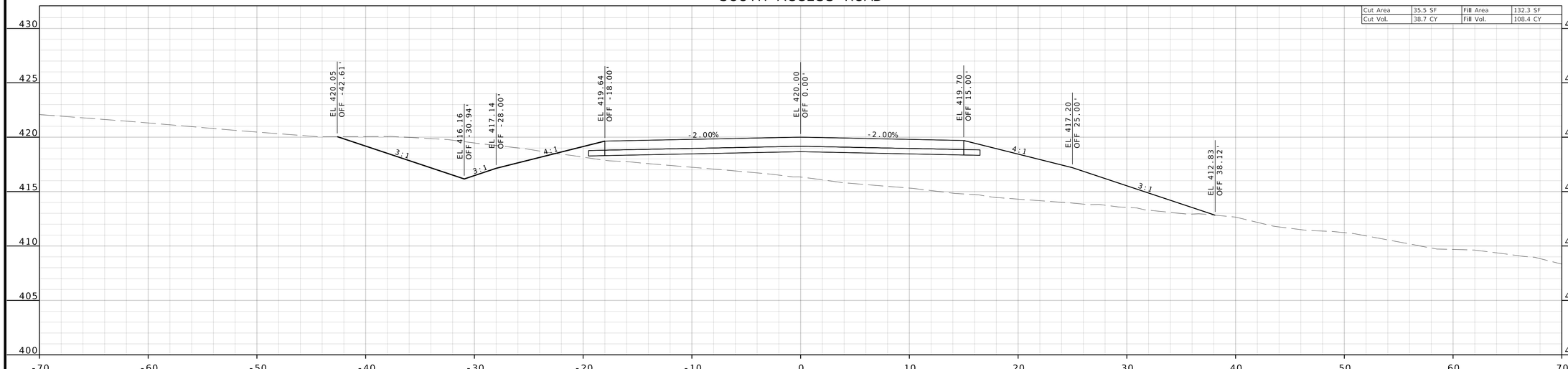
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

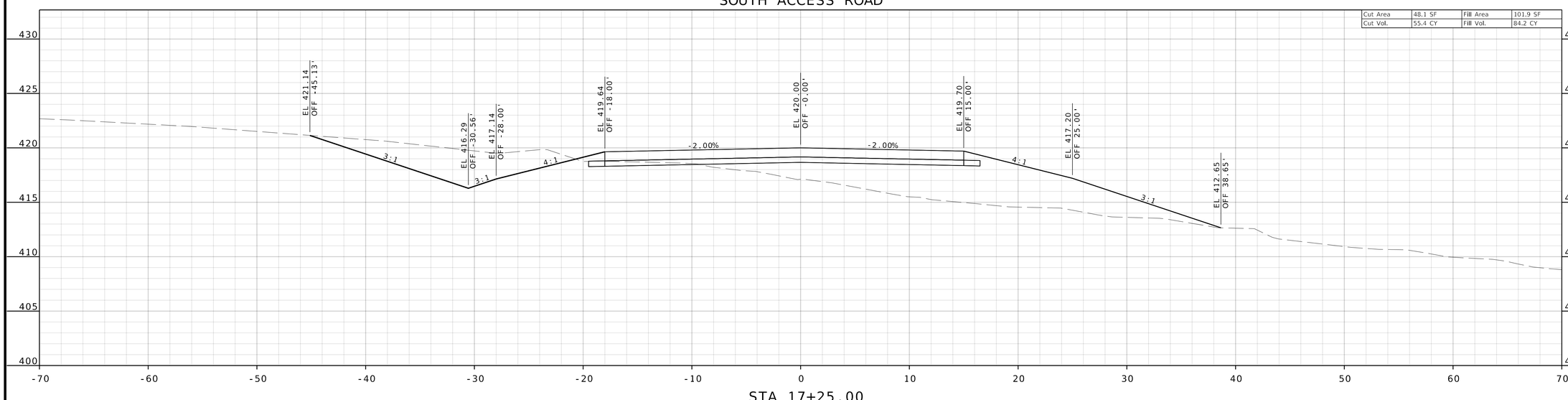
Cut Area	35.5 SF	Fill Area	132.3 SF
Cut Vol.	38.7 CY	Fill Vol.	108.4 CY



STA 17+50.00

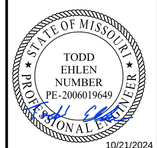
SOUTH ACCESS ROAD

Cut Area	48.1 SF	Fill Area	101.9 SF
Cut Vol.	55.4 CY	Fill Vol.	84.2 CY



STA 17+25.00

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



10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	105

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG



CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

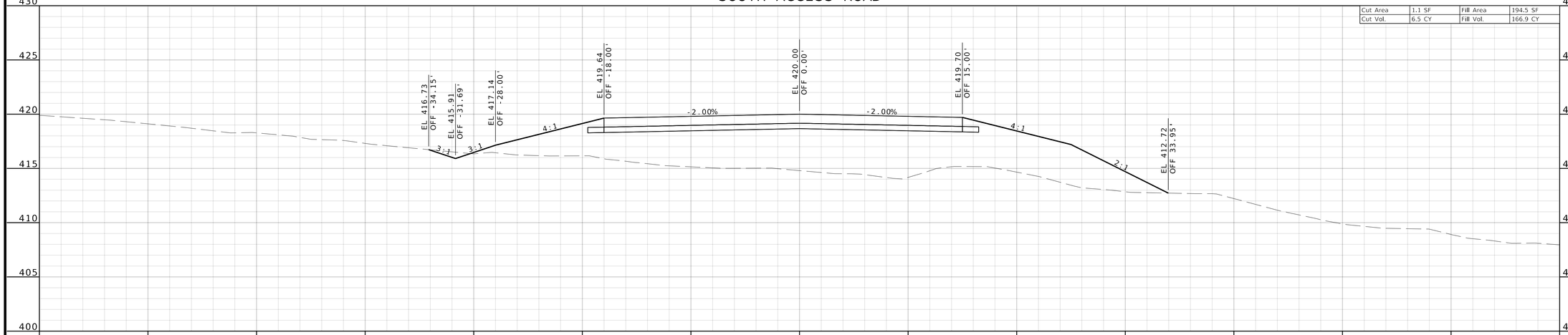
CROSS SECTION
SHEET 17 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

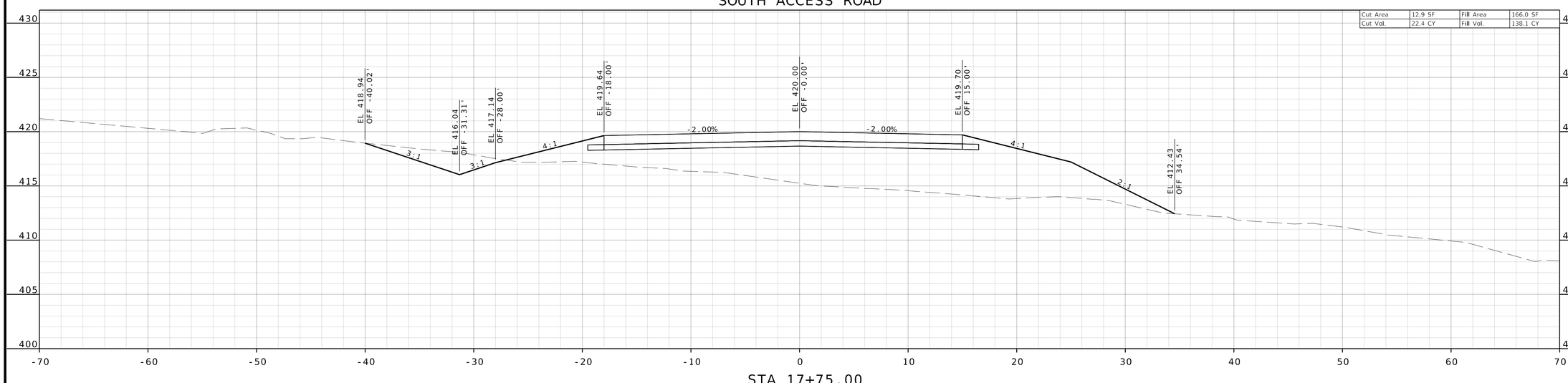
Cut Area	1.1 SF	Fill Area	194.5 SF
Cut Vol.	6.5 CY	Fill Vol.	166.9 CY



STA 18+00.00

SOUTH ACCESS ROAD

Cut Area	12.9 SF	Fill Area	166.0 SF
Cut Vol.	22.4 CY	Fill Vol.	138.1 CY



STA 17+75.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 106

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 18 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

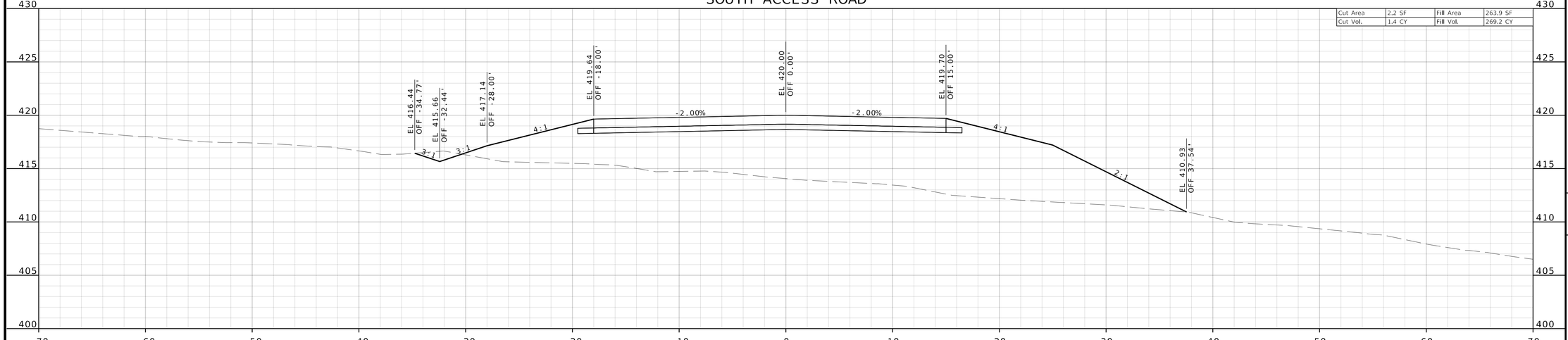
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:50 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

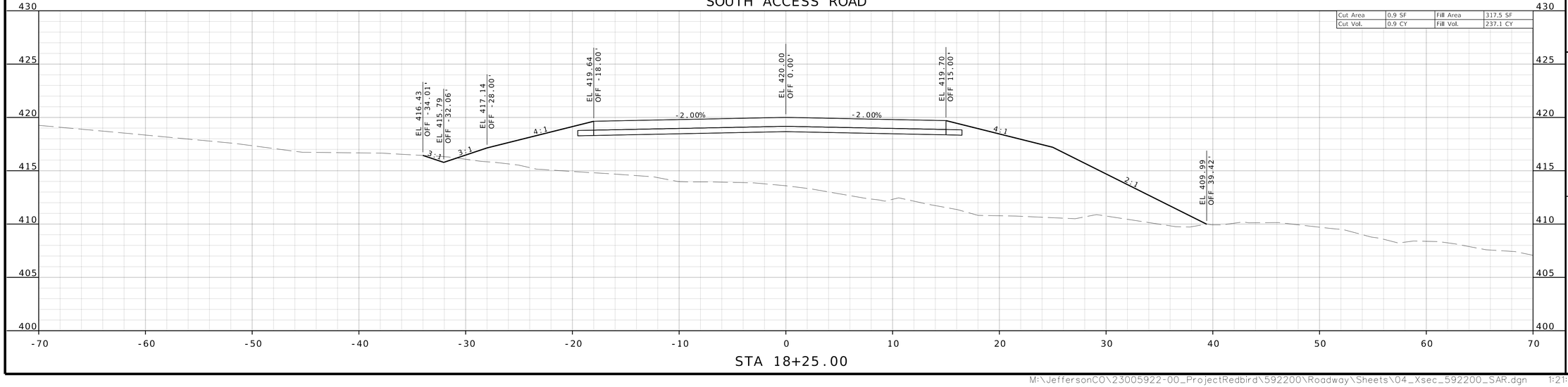
Cut Area	2.2 SF	Fill Area	263.9 SF
Cut Vol.	1.4 CY	Fill Vol.	269.2 CY



STA 18+50.00

SOUTH ACCESS ROAD

Cut Area	0.9 SF	Fill Area	317.5 SF
Cut Vol.	0.9 CY	Fill Vol.	237.1 CY



STA 18+25.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	107

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

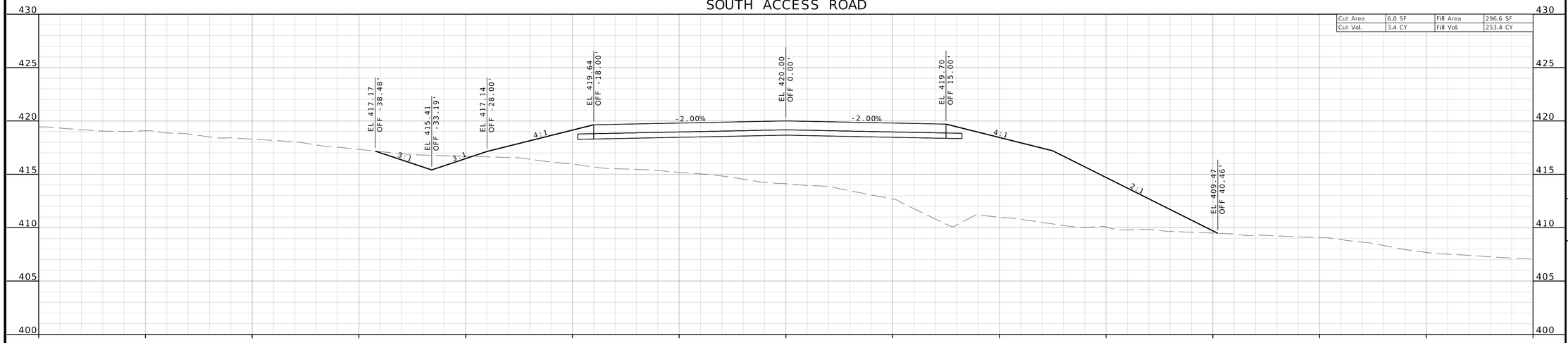
CROSS SECTION
SHEET 19 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

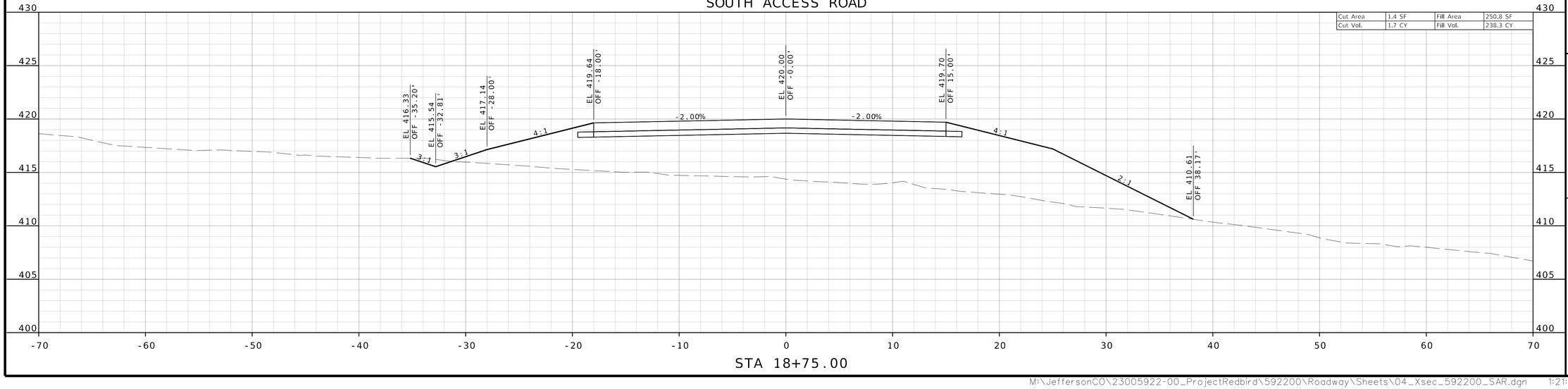
Cut Area	6.0 SF	Fill Area	296.6 SF
Cut Vol.	3.4 CY	Fill Vol.	253.4 CY



STA 19+00.00

SOUTH ACCESS ROAD

Cut Area	1.4 SF	Fill Area	250.8 SF
Cut Vol.	1.7 CY	Fill Vol.	238.3 CY



STA 18+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	108

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
© Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 20 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

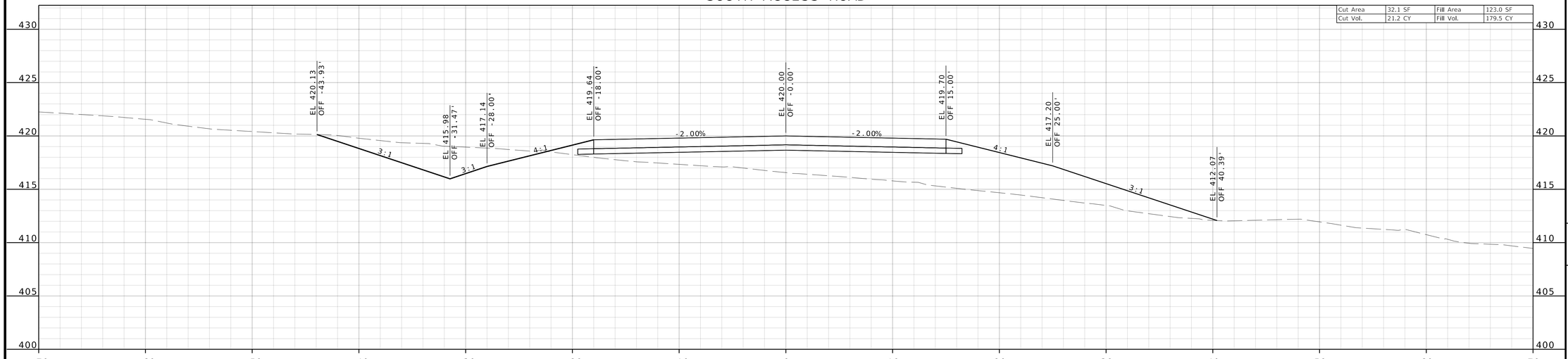
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:53 PM 10/16/2024

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

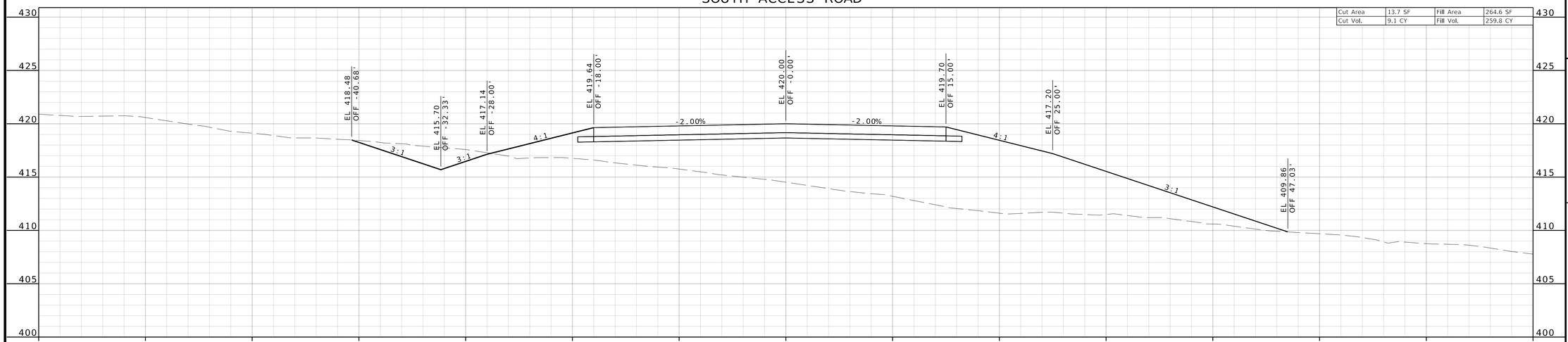
Cut Area	32.1 SF	Fill Area	123.0 SF
Cut Vol.	21.2 CY	Fill Vol.	179.5 CY



STA 19+50.00

SOUTH ACCESS ROAD

Cut Area	13.7 SF	Fill Area	264.6 SF
Cut Vol.	9.1 CY	Fill Vol.	259.8 CY



STA 19+25.00

TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	109

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

CROSS SECTION
SHEET 21 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

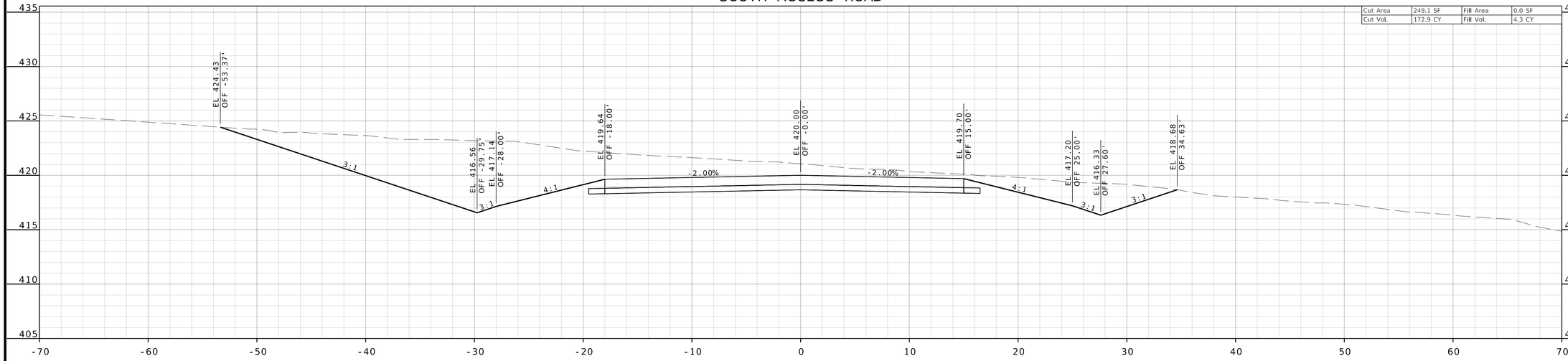
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:21:55 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD

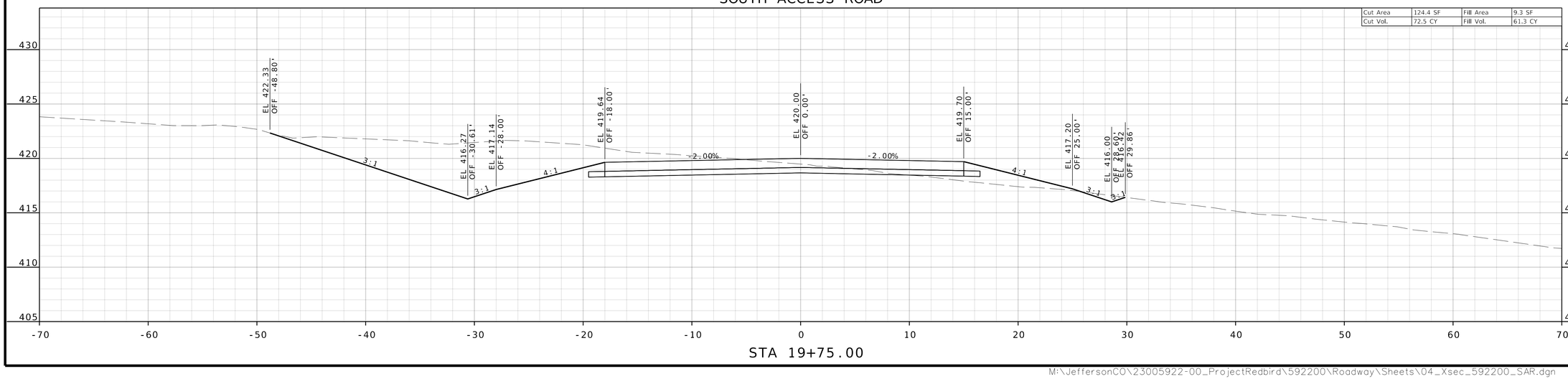
Cut Area	249.1 SF	Fill Area	0.0 SF
Cut Vol.	172.9 CY	Fill Vol.	4.3 CY



STA 20+00.00

SOUTH ACCESS ROAD

Cut Area	124.4 SF	Fill Area	9.3 SF
Cut Vol.	72.5 CY	Fill Vol.	61.3 CY



STA 19+75.00

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
(314) 436-3500
ENGINEERING CORPORATION - 000631

DATE PREPARED 10/16/2024

STATE MO | SHEET NO. 110

COUNTY JEFFERSON

JOB NO. SNS-0025

DESCRIPTION | DATE

CROSS SECTION
SHEET 22 OF 32

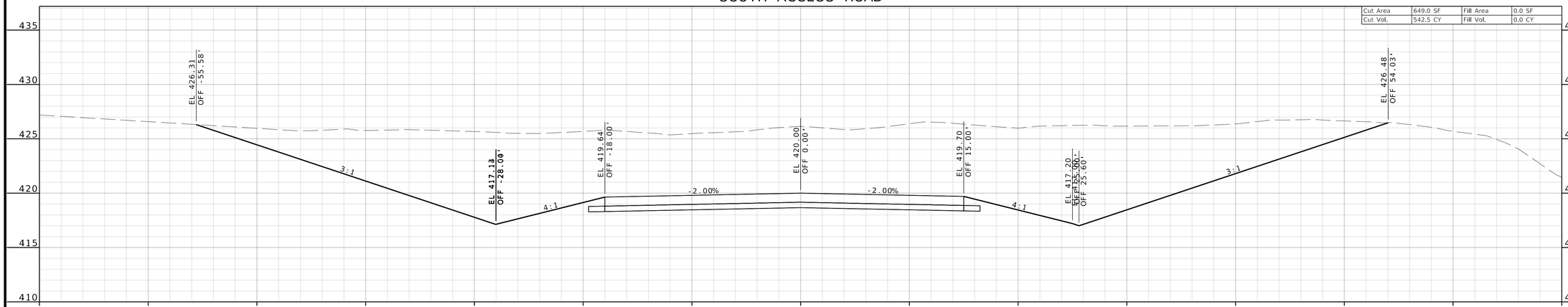
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

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

DISCLAIMER

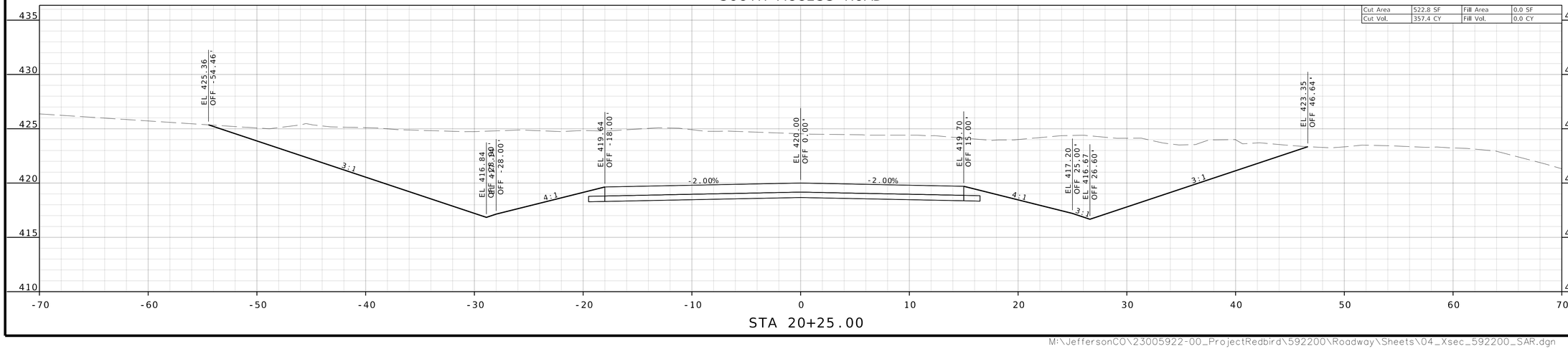
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SOUTH ACCESS ROAD



STA 20+50.00

SOUTH ACCESS ROAD



STA 20+25.00

TODD EHLEN NUMBER
PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	111

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

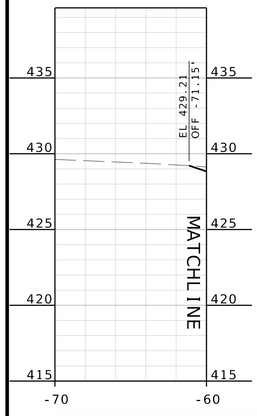
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

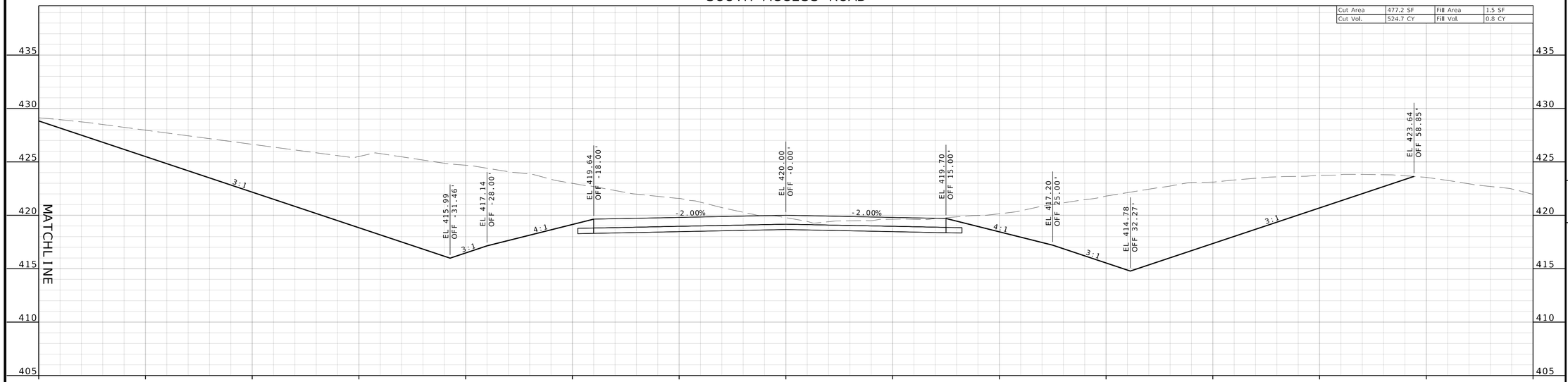
CROSS SECTION
SHEET 23 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

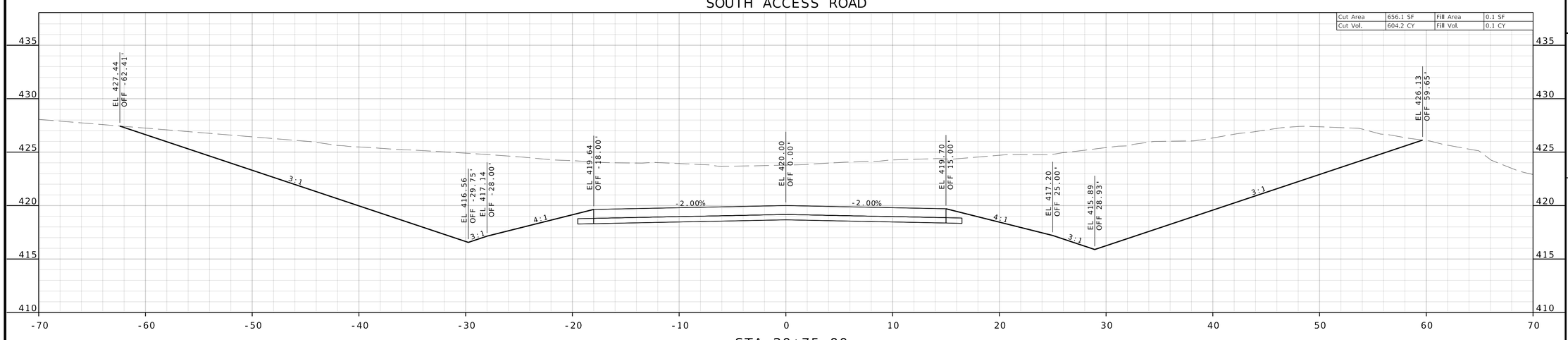


SOUTH ACCESS ROAD



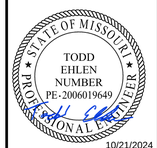
STA 21+00.00

SOUTH ACCESS ROAD



STA 20+75.00

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



10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	112

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

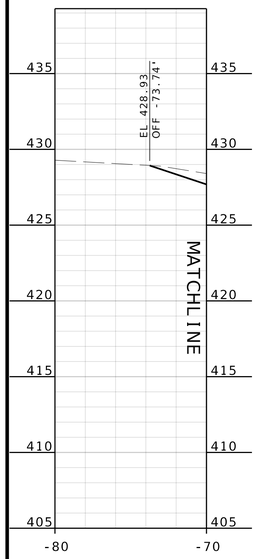
CMT
CRAWFORD, MURPHY & TILLY, INC.
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 24 OF 32

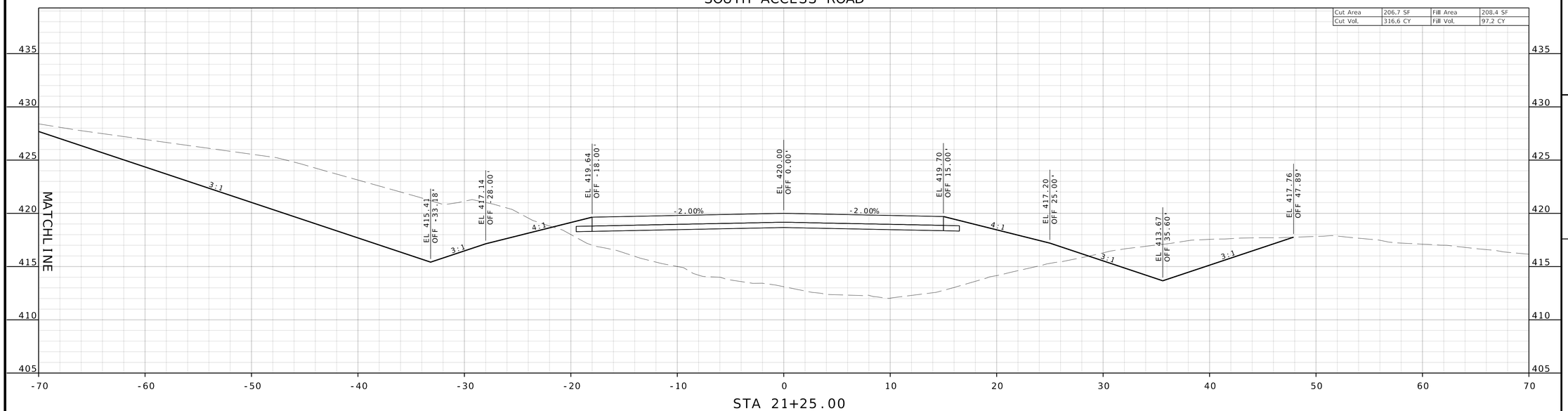
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	113

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

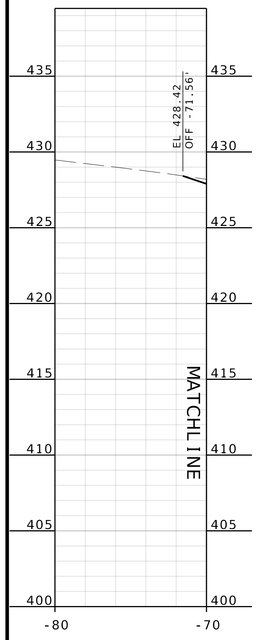
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 25 OF 32

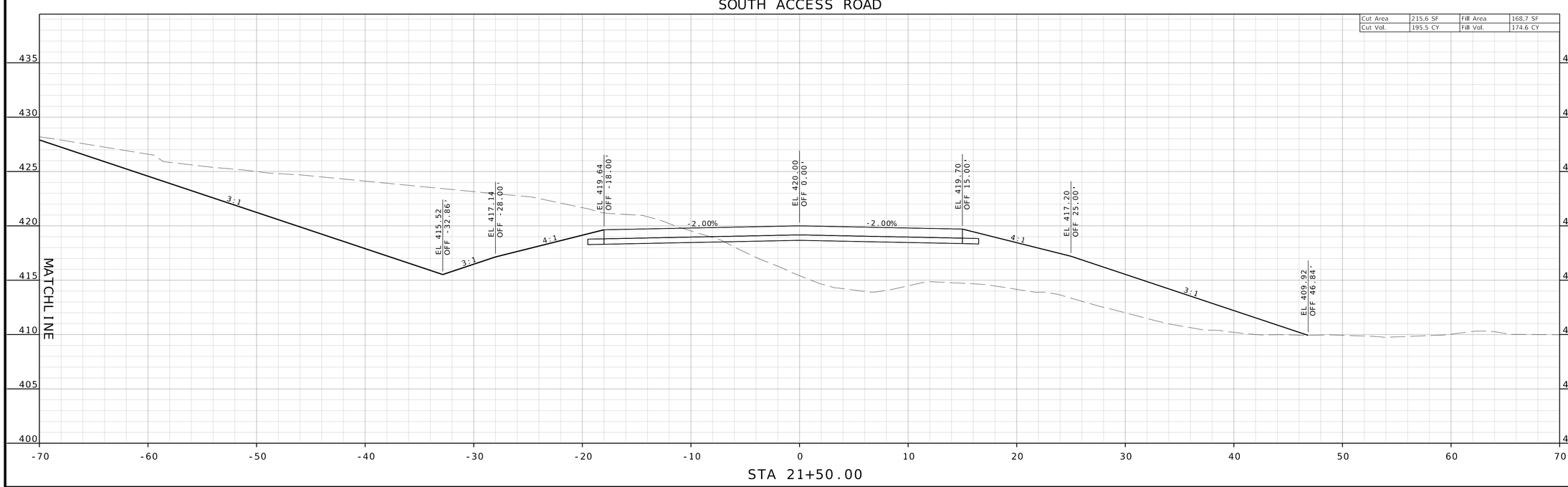
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	114

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

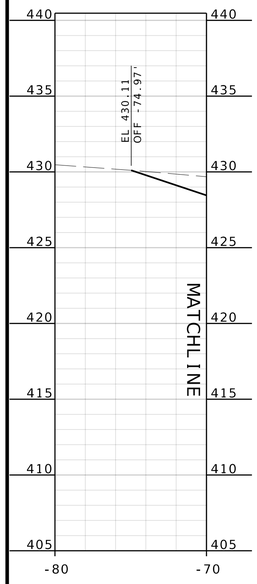
CROSS SECTION
SHEET 26 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

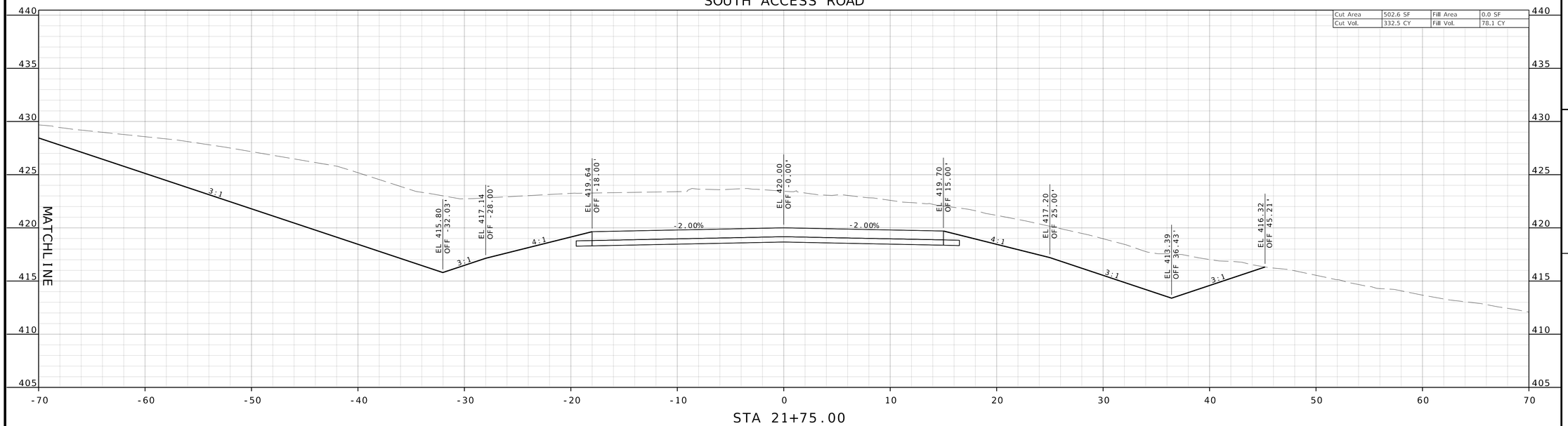
M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\04_Xsec_592200_SAR.dgn 1:23:52 PM 10/16/2024

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



STA 21+75.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 115

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

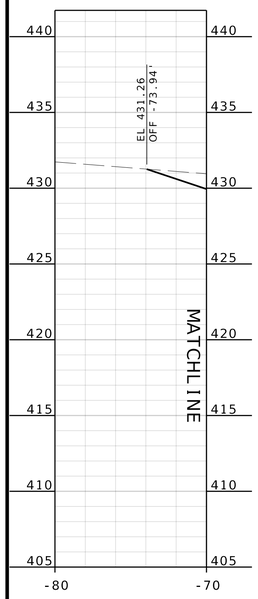
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 27 OF 32

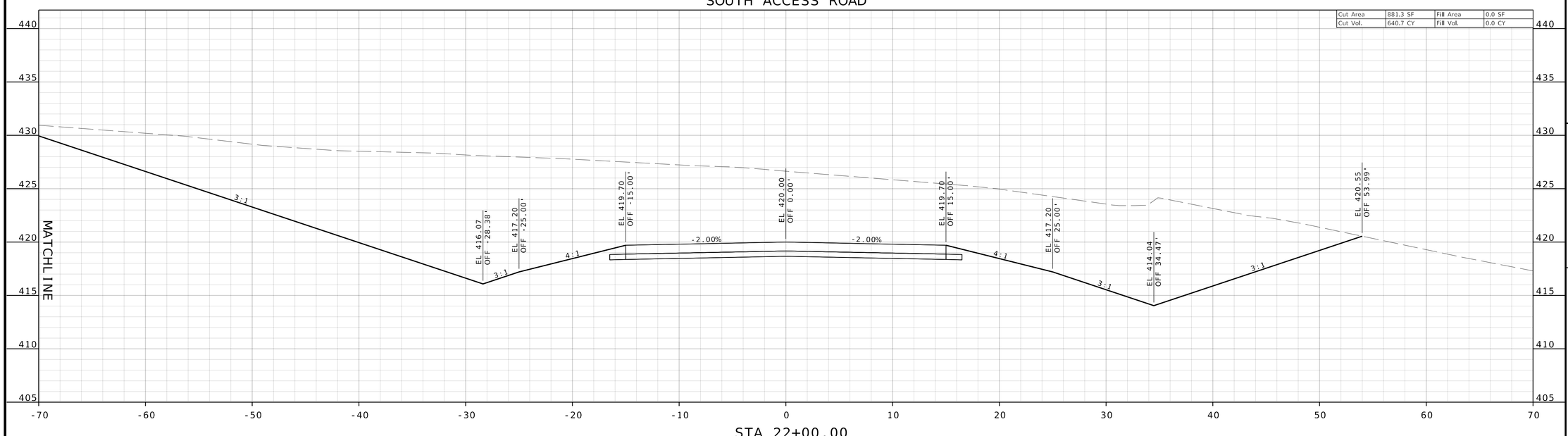
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	116

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

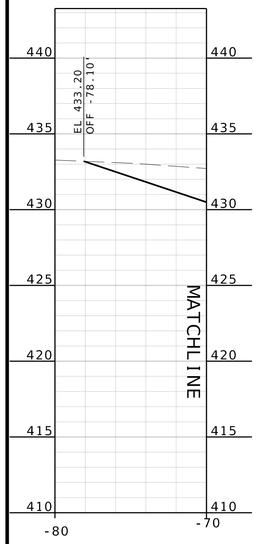
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 28 OF 32

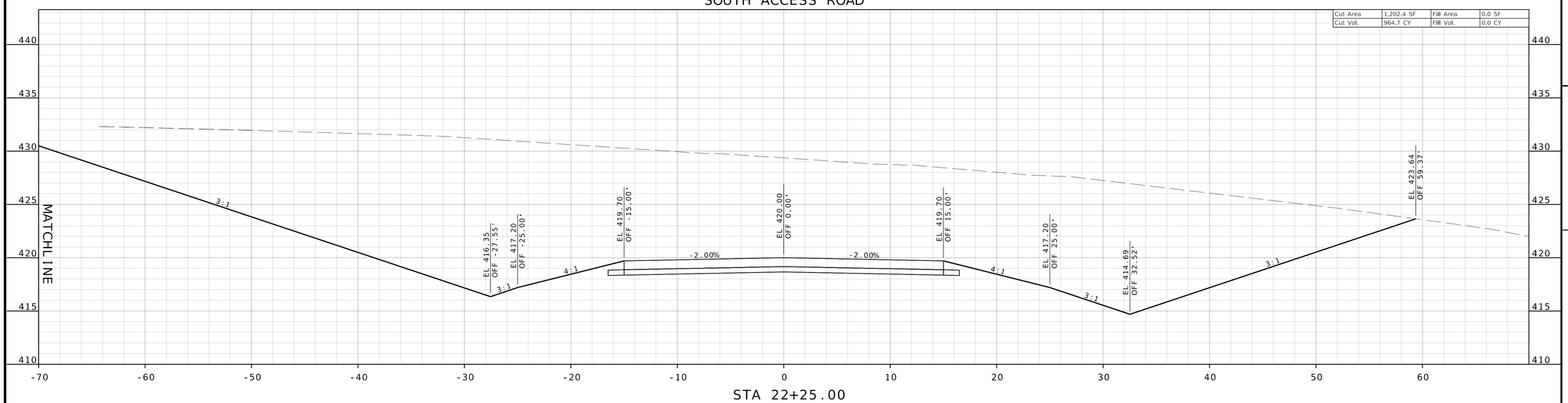
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 117

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

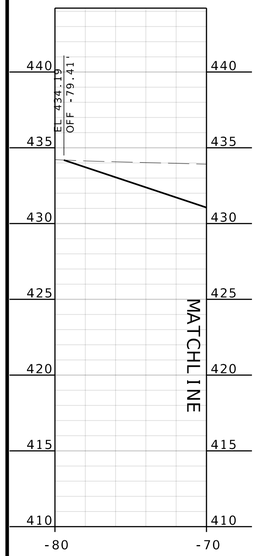
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

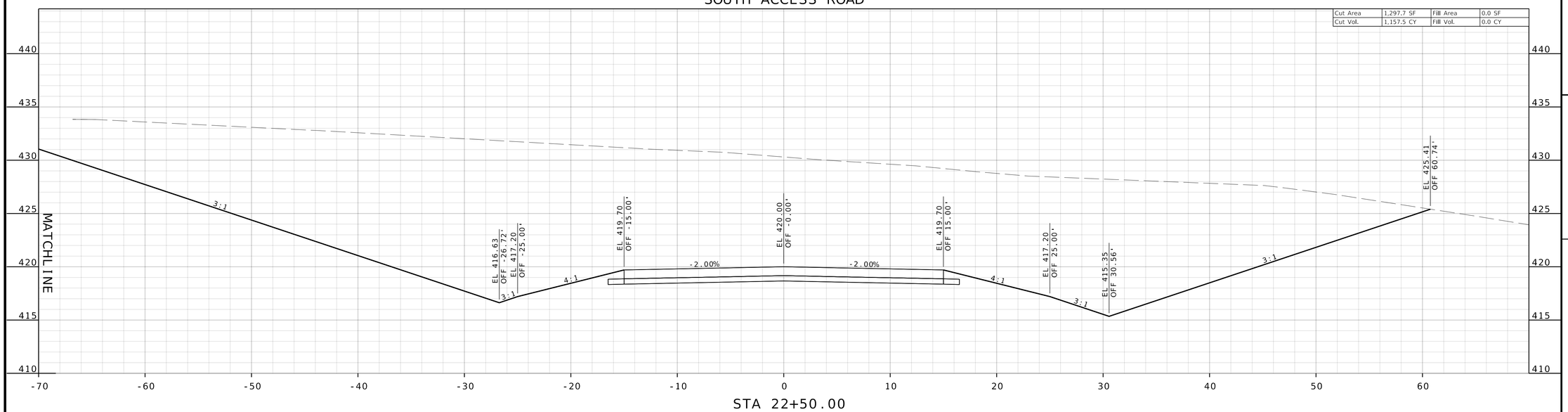
CROSS SECTION
SHEET 29 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



STA 22+50.00

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

TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	118

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

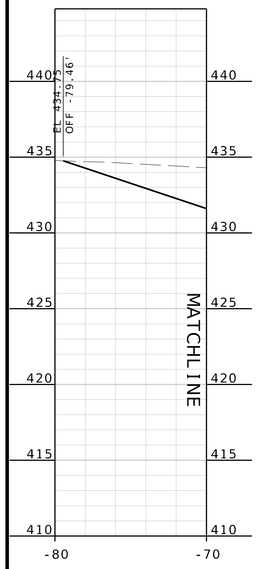
©Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

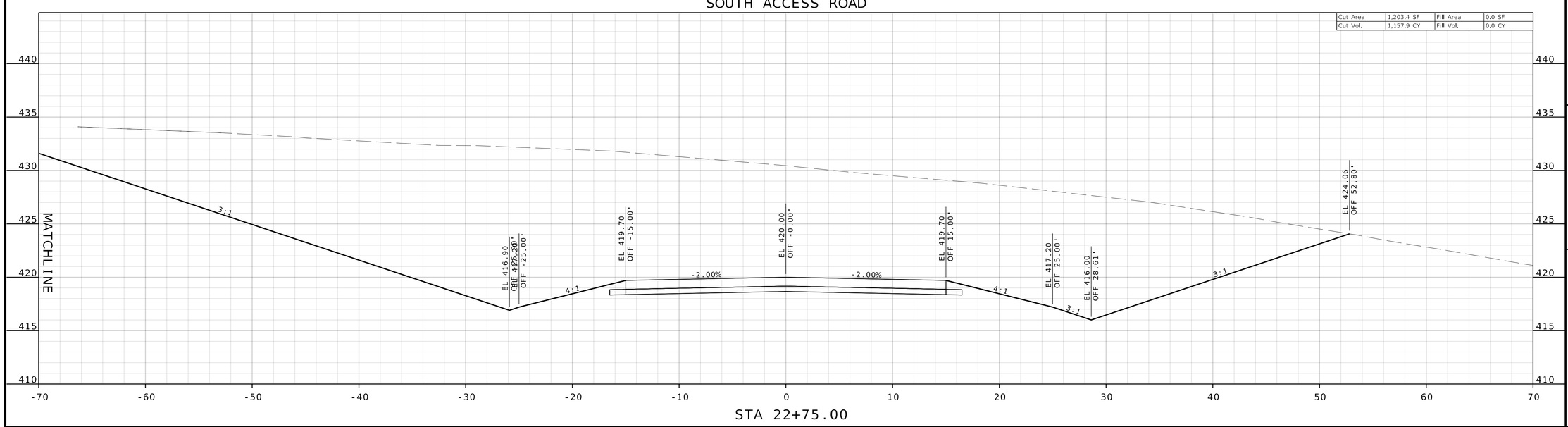
CROSS SECTION
SHEET 30 OF 32

PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD



STA 22+75.00

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

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	119

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

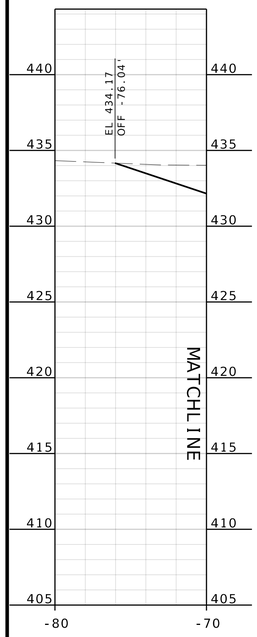
JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 31 OF 32

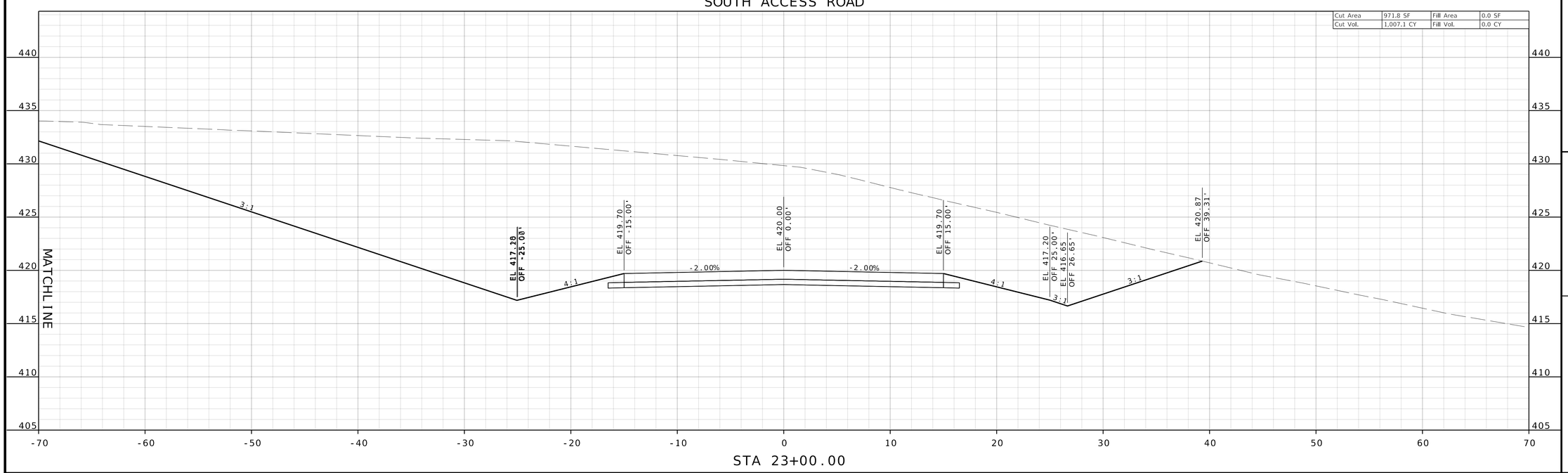
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



SOUTH ACCESS ROAD

Cut Area	971.8 SF	Fill Area	0.0 SF
Cut Vol.	1,007.1 CY	Fill Vol.	0.0 CY



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 120

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

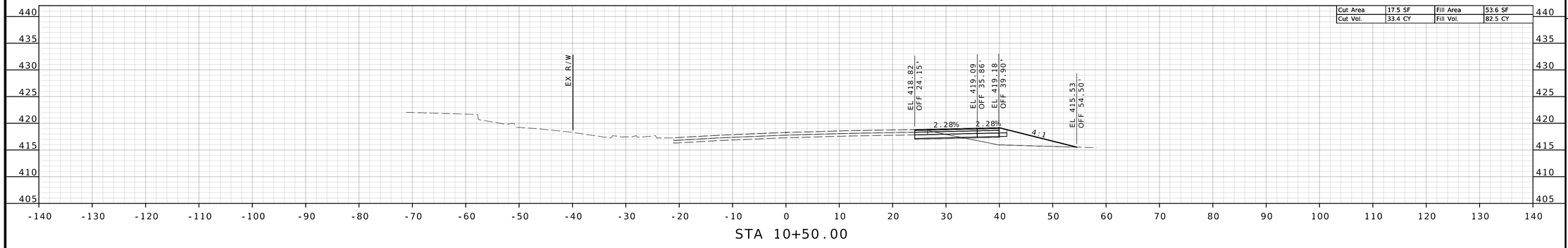
©Copyright CMT, Inc.

CROSS SECTION
SHEET 32 OF 32

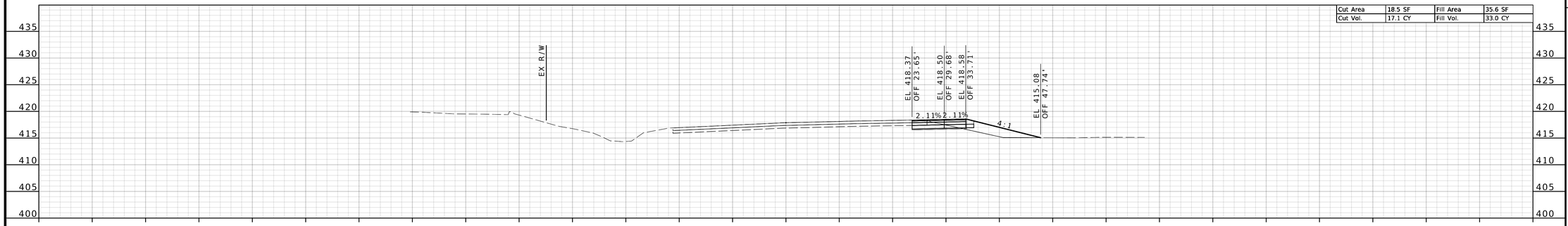
PROJECT REDBIRD
SOUTH IMPROVEMENTS
(PHASE 2)

US 61

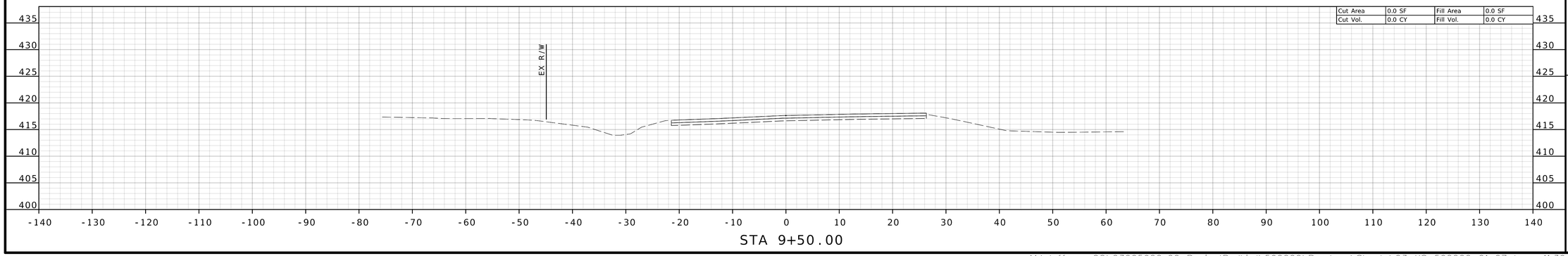
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 10+50.00



STA 10+00.00



STA 9+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	121

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

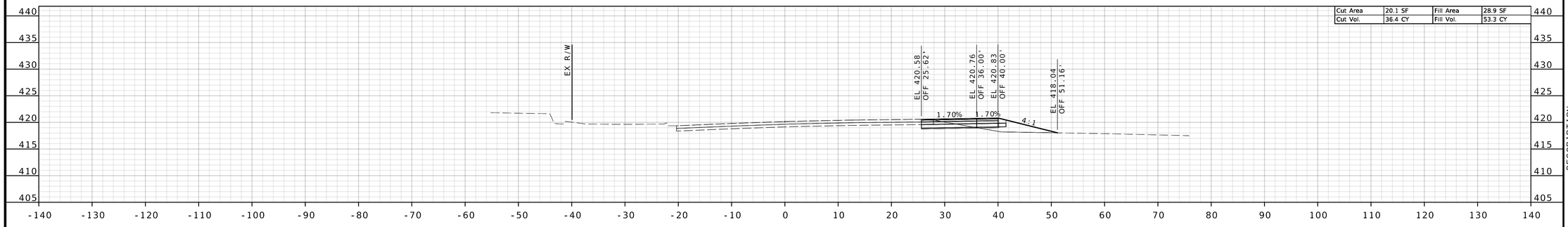
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
(314) 436-8500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 1 OF 11

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

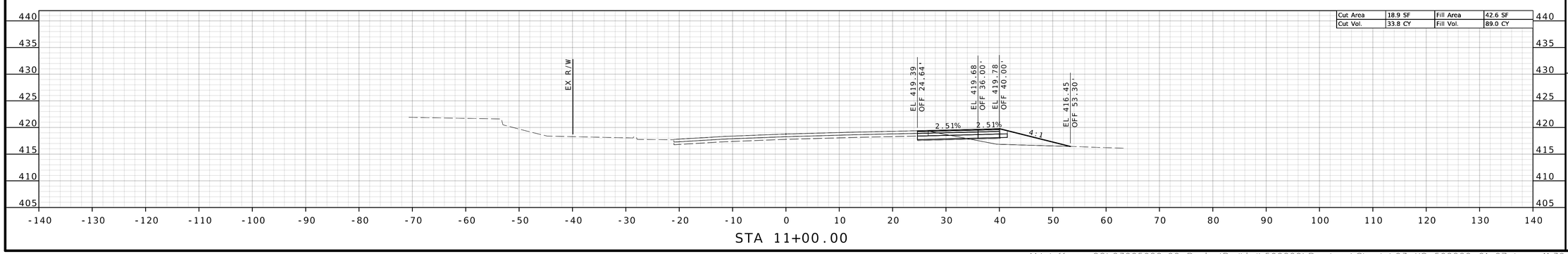
US 61

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 12+00.00

STA 11+50.00



STA 11+00.00

TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 122

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

© Copyright CMT, Inc.

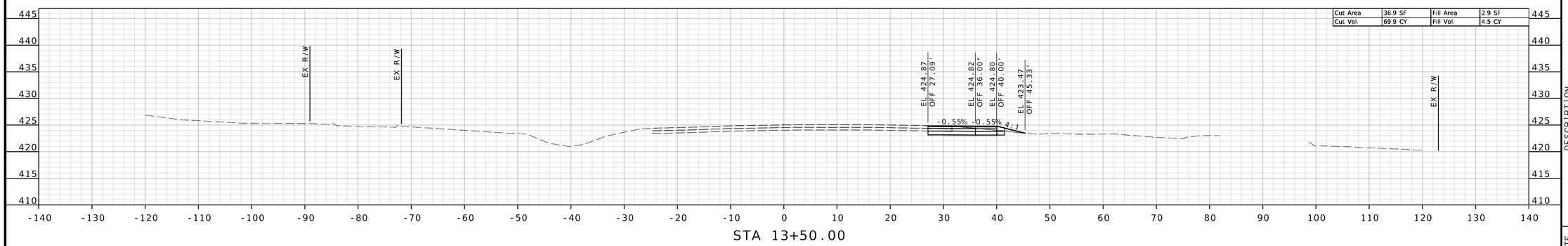
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 (314) 436-5500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 2 OF 11

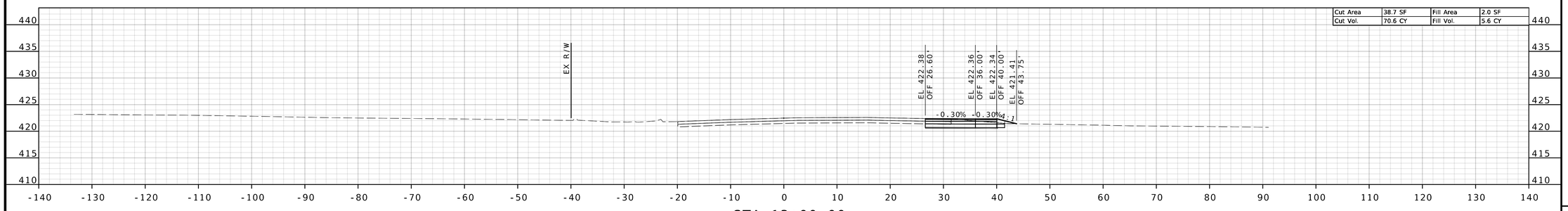
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61

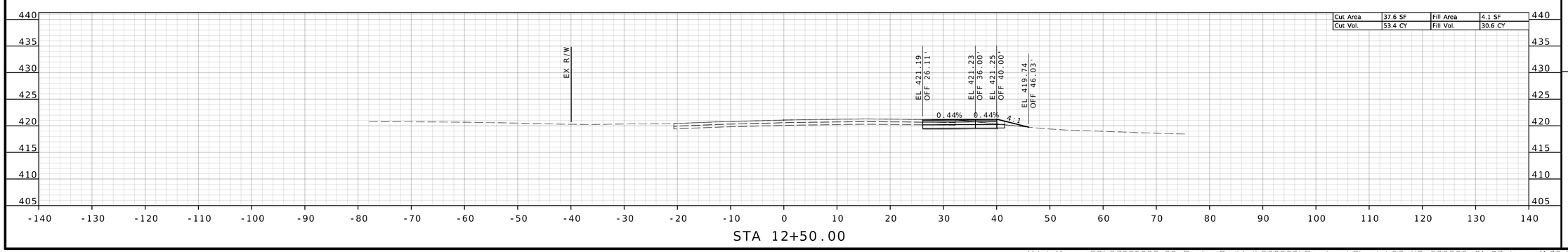
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 13+50.00



STA 13+00.00



STA 12+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	123

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102-2430 314.436.5500
ENGINEERING CORPORATION - 000631

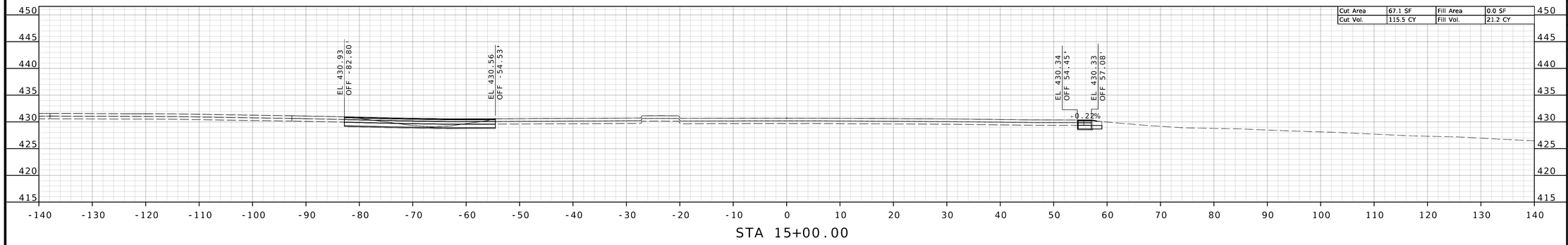
©Copyright CMT, Inc.

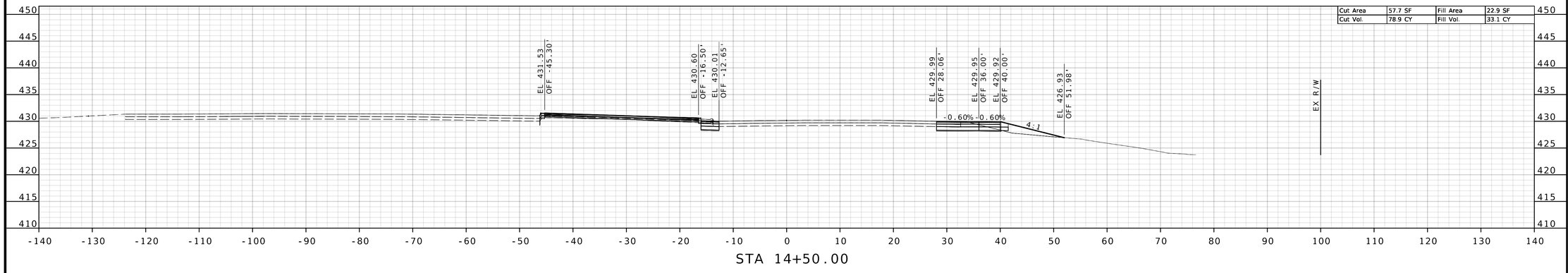
CROSS SECTION
SHEET 3 OF 11

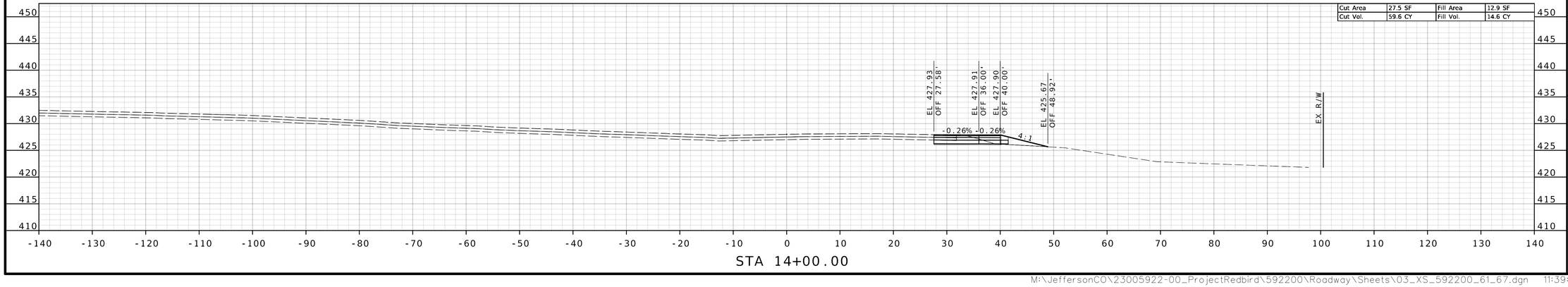
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.







TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	124

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

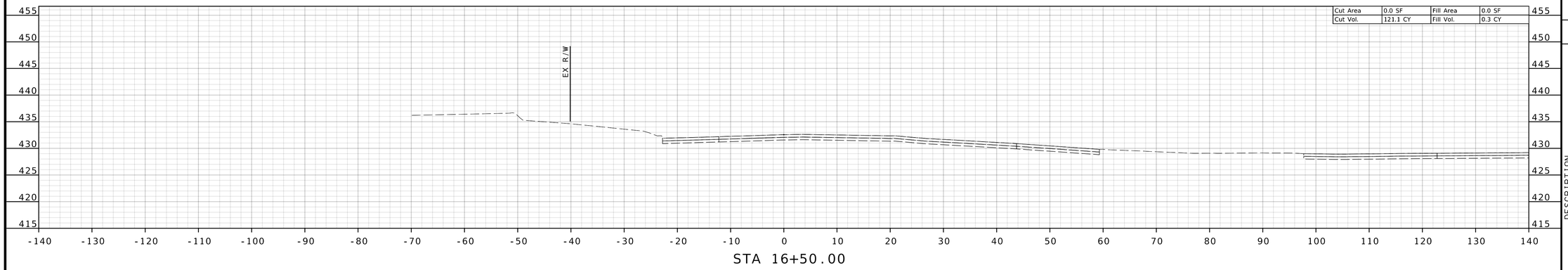
CMT
©Stantec CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 4 OF 11

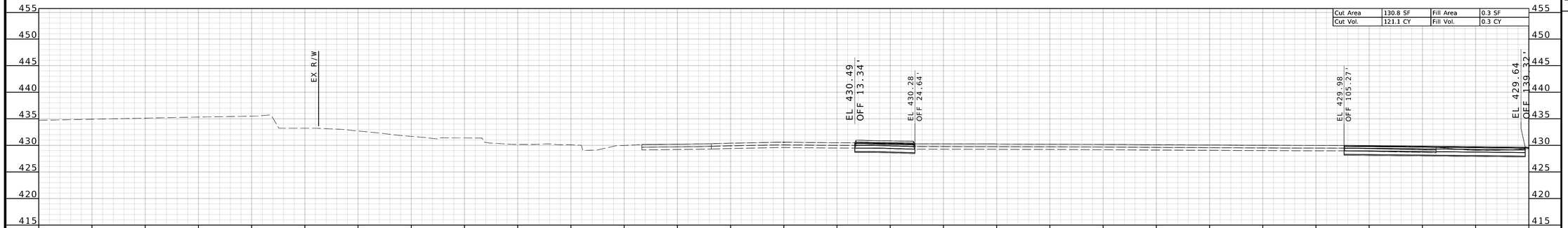
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61

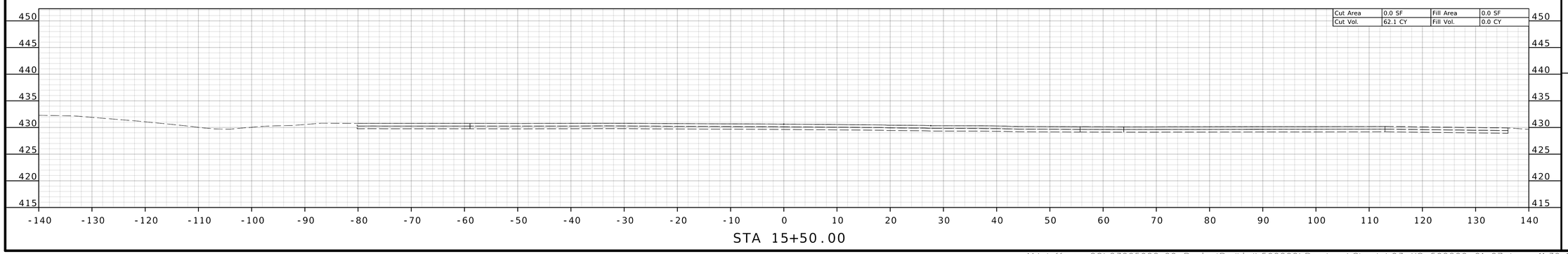
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 16+50.00



STA 16+00.00



STA 15+50.00

STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 125

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2500
ENGINEERING CORPORATION - 000631

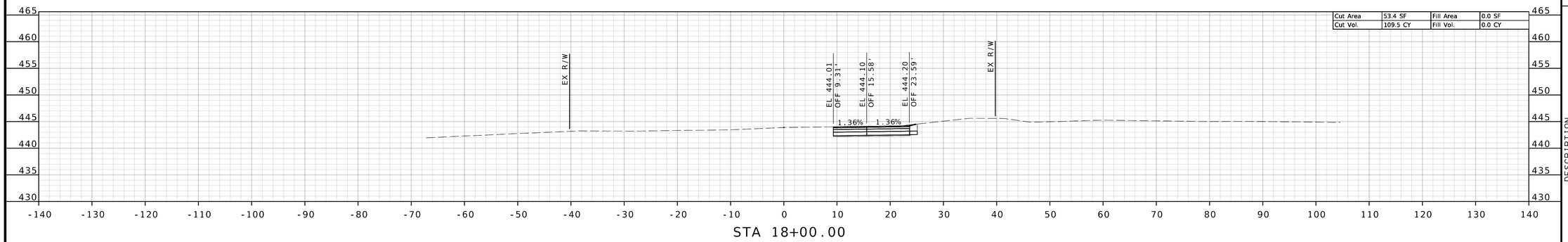
©Copyright CMT, Inc

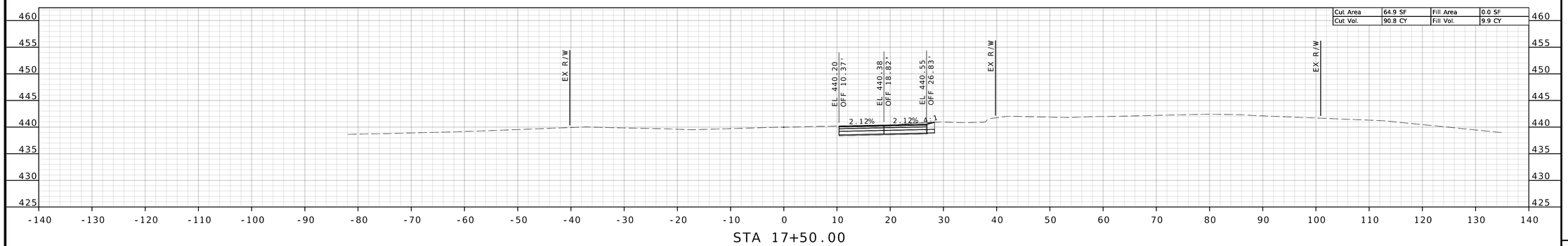
CROSS SECTION
SHEET 5 OF 11

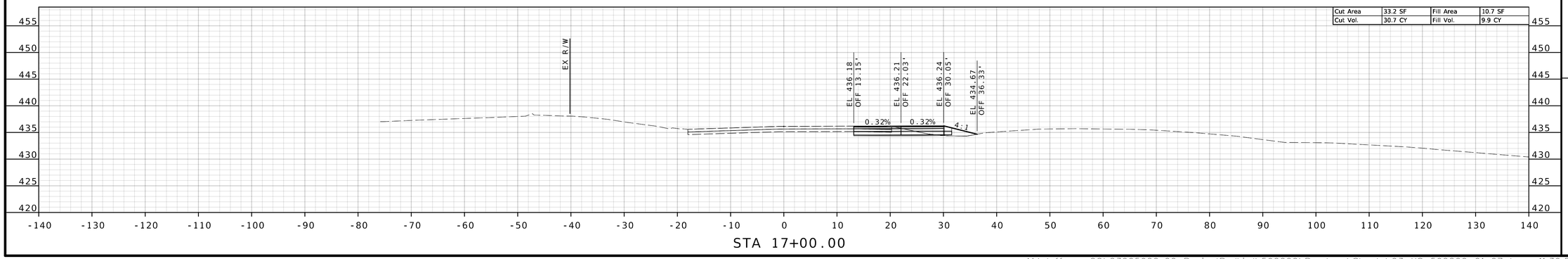
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.







STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	126

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION

DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
SNE MEMORIAL DRIVE, SUITE 300
ST. LOUIS, MO 63043 (314) 432-0500
ENGINEERING CORPORATION - 000631

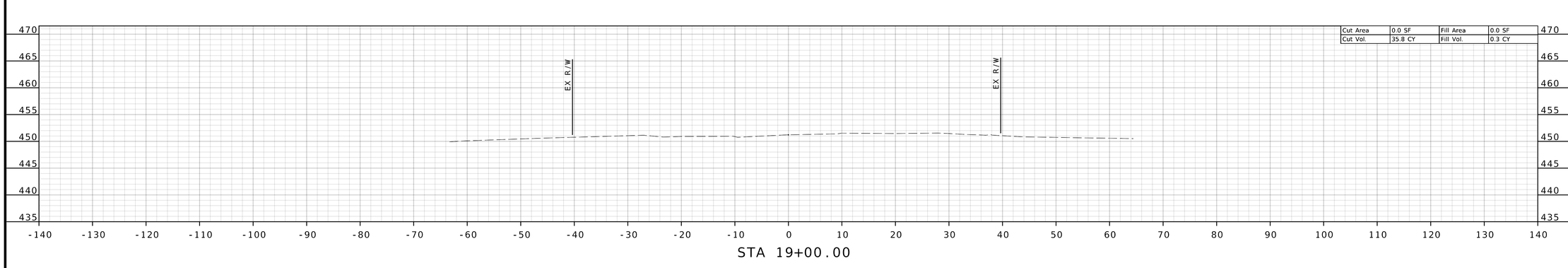
© Copyright CMT, Inc.

CROSS SECTION
SHEET 6 OF 11

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 61

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TODD EHLEN NUMBER PE-2006019649
STATE OF MISSOURI
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	127

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DATE	DESCRIPTION

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

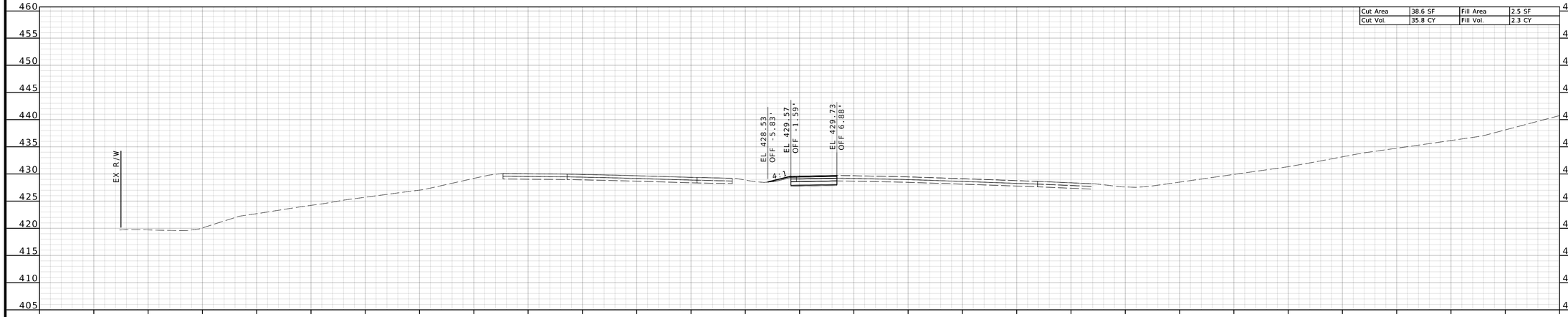
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102 (314) 436-3500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 7 OF 11

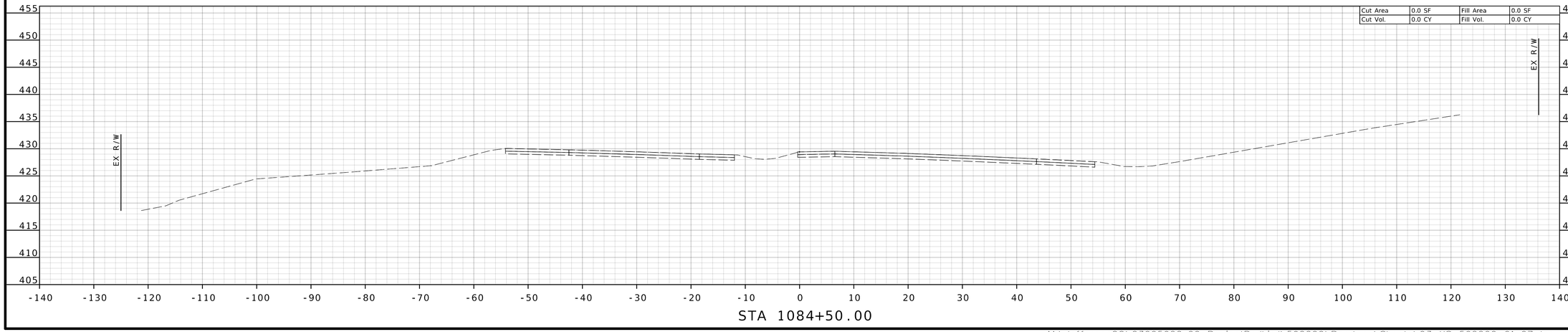
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 67

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STA 1085+00.00



STA 1084+50.00

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE	SHEET NO.
MO	128

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2450
ENGINEERING CORPORATION - 000631

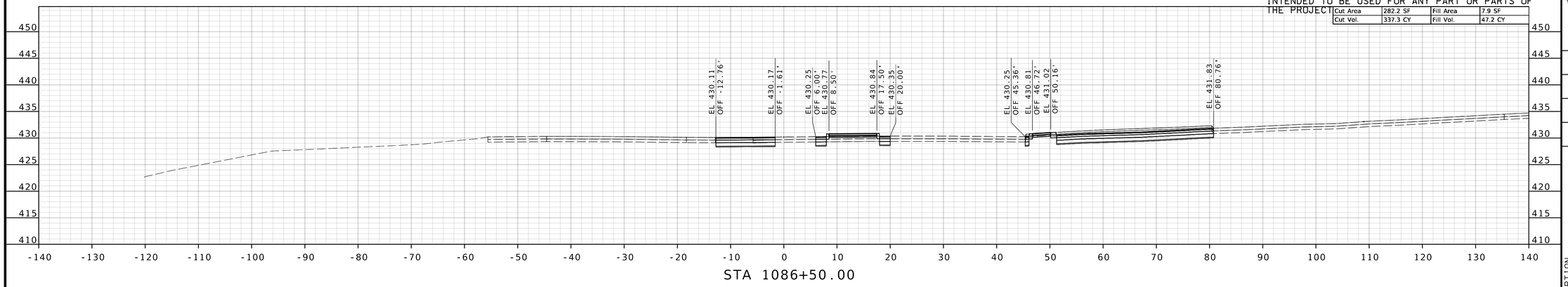
©Copyright CMT Inc

CROSS SECTION
SHEET 8 OF 11

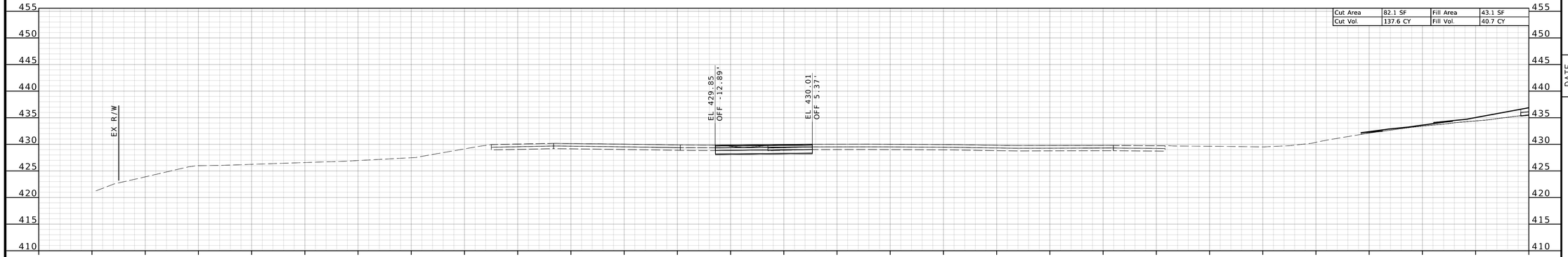
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 67

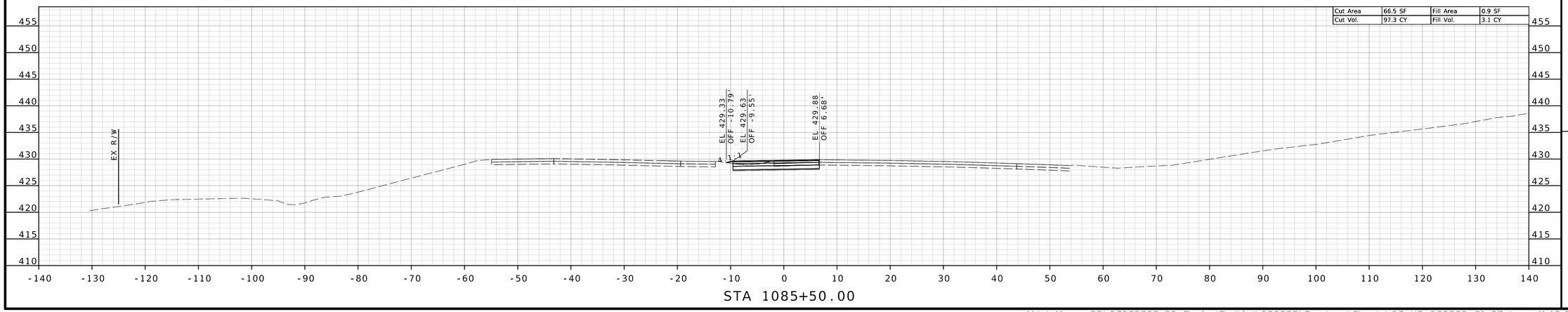
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT



STA 1086+50.00



STA 1086+00.00



STA 1085+50.00

STATE OF MISSOURI
TODD EHLEN
NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 129

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

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

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
ENGINEERING CORPORATION - 000631

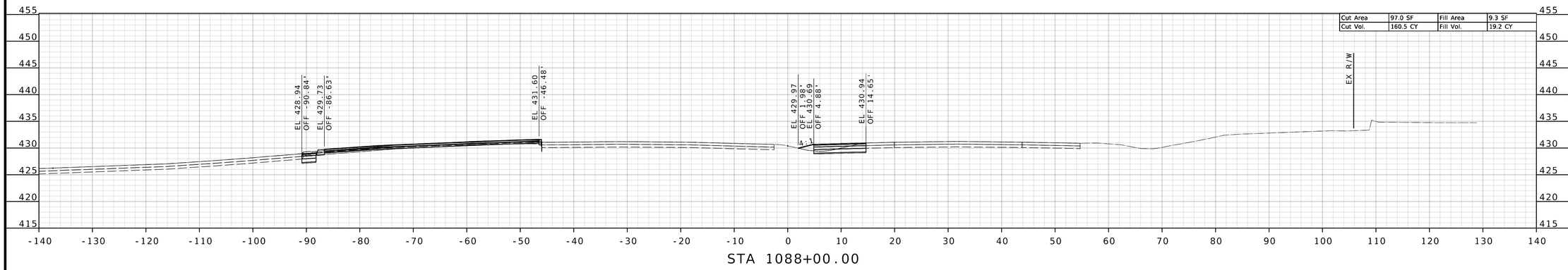
©Copyright CMT Inc

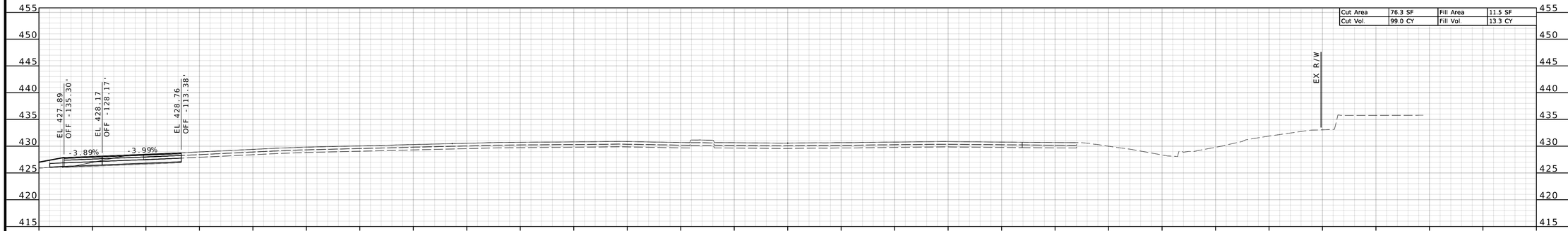
CROSS SECTION
SHEET 9 OF 11

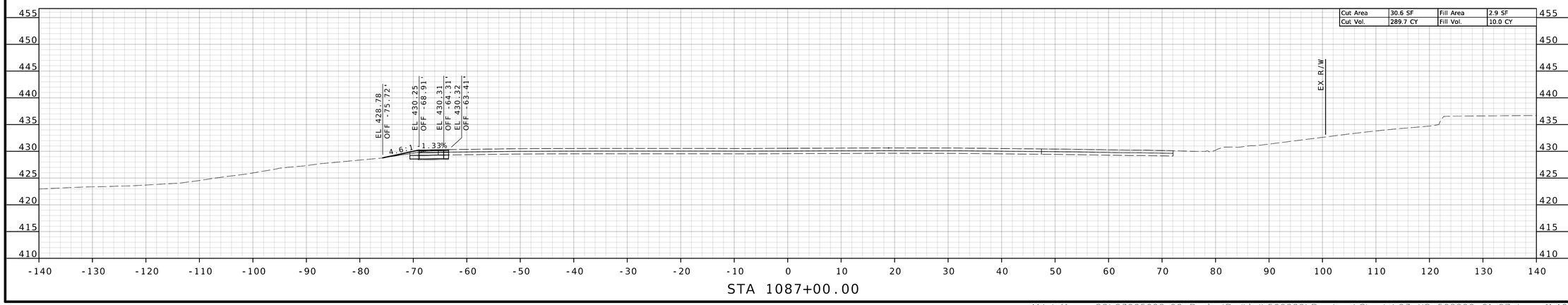
PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

US 67

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.







TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
STATE OF MISSOURI
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 130

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION | DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MISSOURI 63102-2430
(314) 436-8500
ENGINEERING CORPORATION - 000631

CROSS SECTION
SHEET 10 OF 11

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

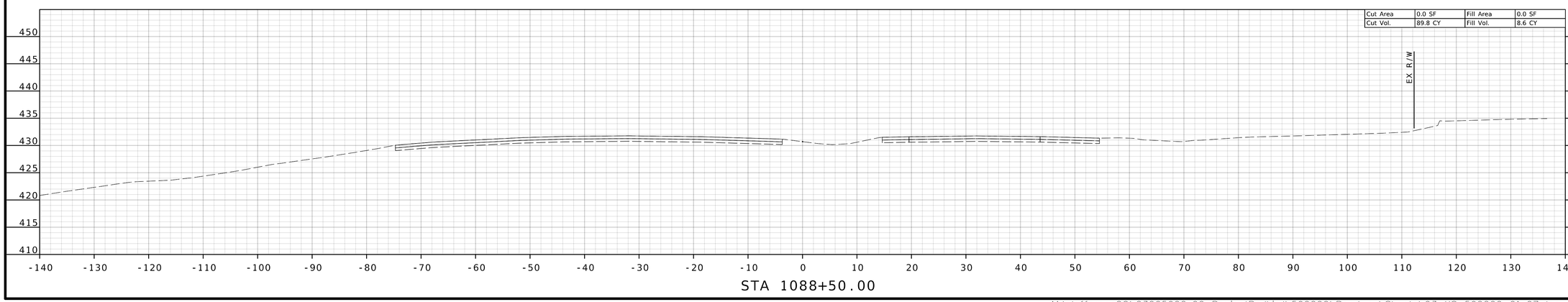
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

Drawing
1"=10'

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_XS_592200_61_67.dgn 11:40:04 AM 10/16/2024

US 67

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
TODD EHLEN NUMBER PE-2006019649
PROFESSIONAL ENGINEER
10/21/2024

DATE PREPARED
10/16/2024

STATE MO | SHEET NO. 131

COUNTY
JEFFERSON

JOB NO.
SNS-0025

DESCRIPTION	DATE

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
WWW.JEFFCO.ORG

CMT
©Crawford, Murphy & Tilly, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 655-3500
ENGINEERING CORPORATION - 000631

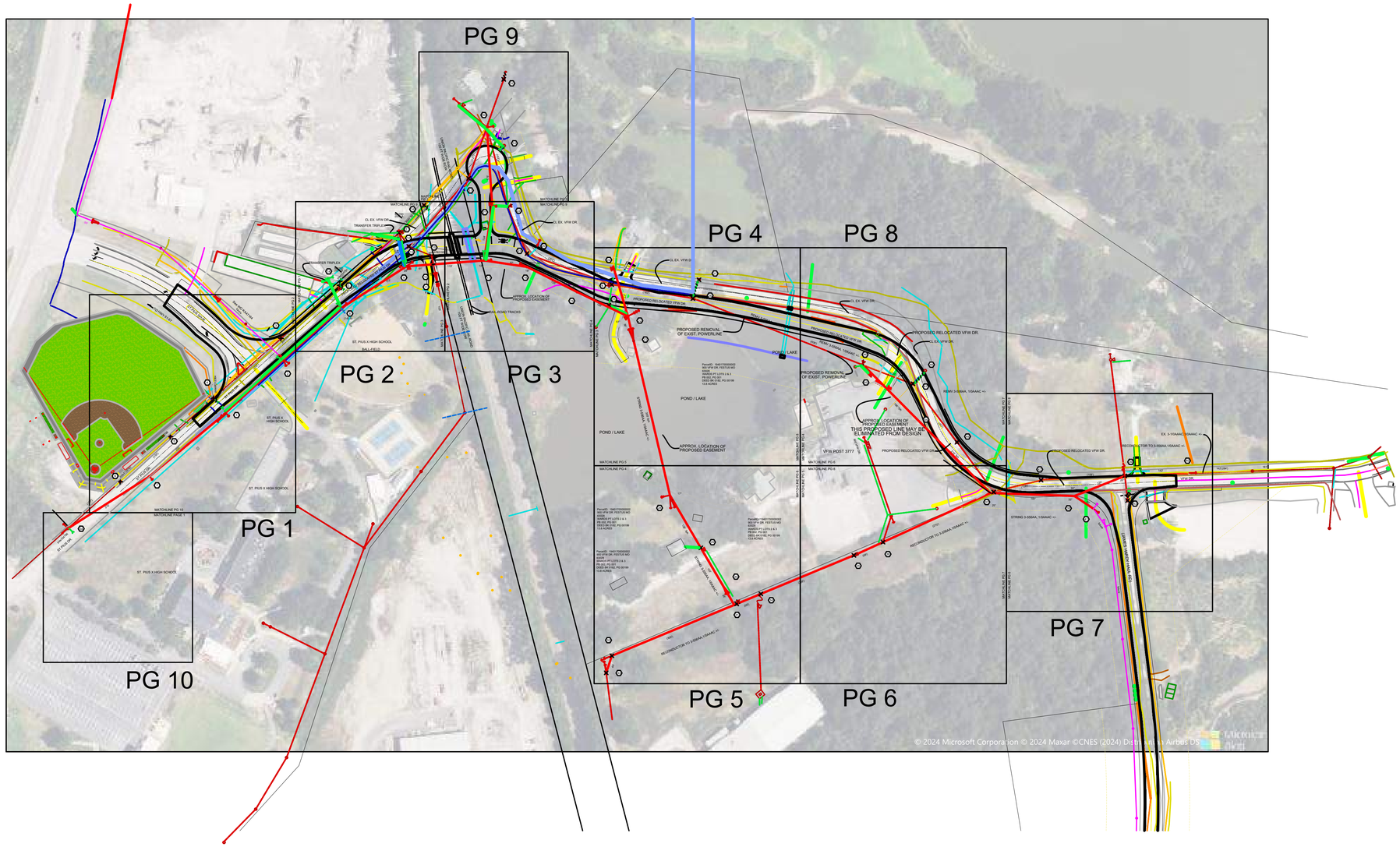
CROSS SECTION
SHEET 11 OF 11

PROJECT REDBIRD
NORTH IMPROVEMENTS
(PHASE 2)

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

M:\JeffersonCO\23005922-00_ProjectRedbird\592200\Roadway\Sheets\03_XS_592200_61_67.dgn 11:40:07 AM 10/16/2024

PAGE LAYOUT



FOR REFERENCE ONLY

Blind spots occur for most points along road. Flagger required.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

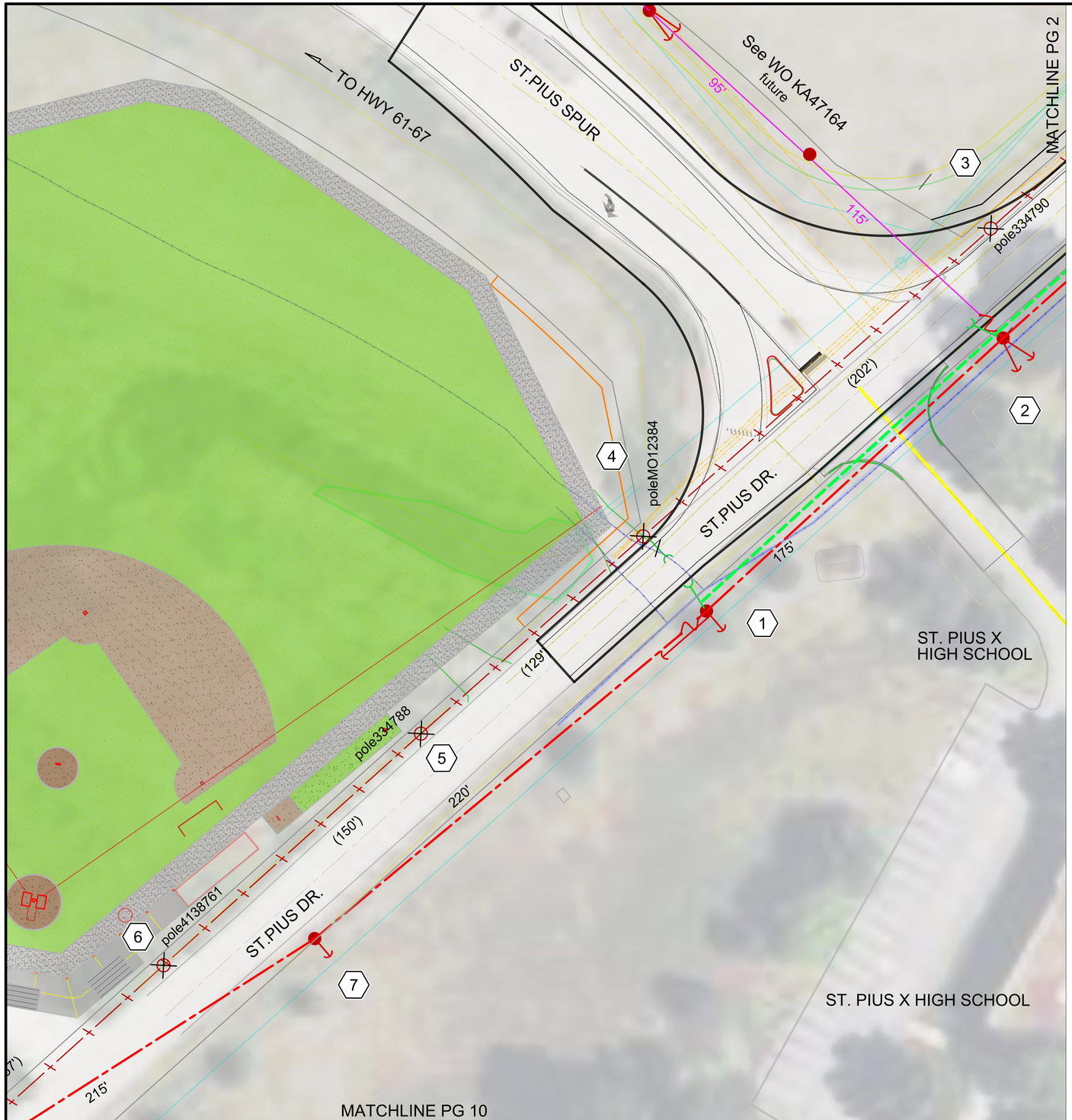
REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR. PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE: 12KV	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE: GOV RELOC	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 1 OF 11	DRAWING DATE: 8/30/24

Not To Scale

N

Ameren MISSOURI



1 SOFTDIG
POLE #

SET 45 CL1 POLE, 6.5' DEEP	STK 4102451
INST HORZ. DEADEND, 10' D.E. ASSY	S03121152
INST 1PH FUSED TAP	S10120101
FUSE 30T, TAP B PH	
INST 250LED BRACKET MNT	S15701303
INST 15' BRACKET	S15701801
LOOPAROUND +/-	S03010106
ATTACH 6D	

AT&T, SPECTRUM TO ATTACH

2 SOFTDIG
POLE #

SET 55 CL1 POLE, 7.5' DEEP	STK 4102551
INST 10' FIBER ARM, PT PIN	S03120604
INST 10' D.E. ASSY, 3PH TAP, 600A	S10122402
INST 250LED BRACKET MNT	S15701303
INST 15' BRACKET	S15701801
INST 3PT RACK THOUGH W/ TAP	S03010108
ATTACH 6D	

AT&T, SPECTRUM TO ATTACH

3 POLE #

DC AND REMV PRI., +/- & 6D
REMV P.T. PIN
REMV +/- CLEVIS

CHARTER TO VACATE
AMEREN TO PULL OLD POLE

4 POLE #

DC AND REMV PRI., +/- & 6D
REMV 1PH DBL. D.E. & LOOP-OVER
REMV LOOP-AROUND +/-
RMV D/D LIGHT AND BRACKET

CHARTER TO VACATE
AMEREN TO PULL OLD POLE

5 POLE #

DC AND REMV PRI. & +/-
REMV P.T. PIN
REMV +/- CLEVIS

AMEREN TO PULL OLD POLE

6 POLE #

DC AND REMV PRI. & +/-
REMV P.T. PIN
REMV +/- CLEVIS

AMEREN TO PULL OLD POLE

7 SOFTDIG
POLE #

SET 40 CL3 POLE, 6.5' DEEP	STK 4102403
INST PT PIN ANGLE	S03120102
INST 17M ANCHOR, 10'L	S11006101
INST 3/8" GUY	S11004307
INST 1PT RACK	S03010102

PRELIMINARY
For Review Only
Not For Construction
08/30/24

JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

No extraordinary safety concerns found.
Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

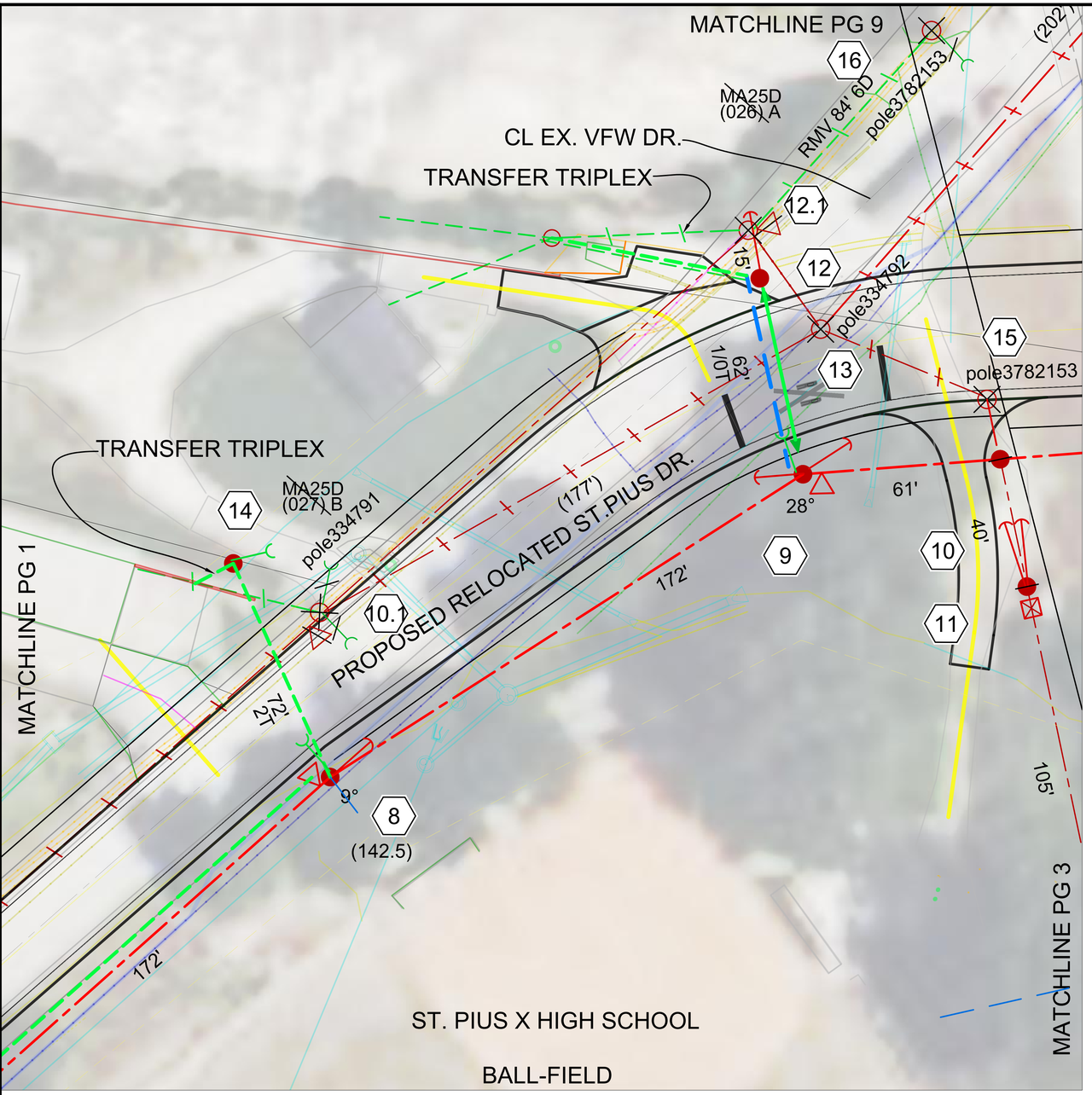
FOR REFERENCE ONLY

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD
DOJM WR # / MAXIMO WO #: KB33399
LOCATION
FINANCIAL WO #
HIGHEST VOLTAGE
CIRCUIT
PREFIX / VOLUME / PAGE
PROJECT TYPE
OPERATING CENTER: JEFFERSON
DESIGNER: JOHN FRIEL
SHEET #: 2 OF 11
DRAWING DATE

Not To Scale

8/30/2024 2:49 PM



8 SOFTDIG
POLE #

SET 55' 12/14" COMPOSITE POLE	STK 4155826
SET 9' DEEP, RAKE 9" @ 337°	
BACKFILL	S02200512
INST HORZ. DEADEND, 10' D.E. ASSY	S03121465
INST 1PH TRANSFORMER STD	S13120001
HANG JA15F, FUSE 3.5X	
(TLM 10-748-904-XXX)	
INST 250LED BRACKET MNT	S15701303
INST 15' BRACKET	S15701801
INST 1PT RACK THROUGH	S03010102
INST +/- D.E. FOR 1-4 POLY	S03010103
ATTACH 1-4POLY, ATTACH 2T SVC	

AT&T, SPECTRUM TO ATTACH

9 SOFTDIG
POLE #

SET 55' CL1 SET 7.5' DEEP	STK 4102551
INST HORZ. DEADEND, 10' D.E. ASSY	S03121465
INST. POLE TO POLE SPAN GUY	S11004607
INST. 32M EXP. ANC	S11006103
INST 7/16" GUY 17'L TO NE	S11004311
INST 7/16" GUY 15'L TO W	S11004009
INST 1PH TRANSFORMER STD	S13120001
HANG JA15F, FUSE 3.5X	
(TLM 10-748-904-XXX)	
INST 250LED BRACKET MNT	S15701303
INST 15' BRACKET	S15701801
INST 1PT RACK THROUGH	S03010102
ATTACH 1/0T	

AT&T, SPECTRUM TO ATTACH

10 SOFTDIG
POLE #

SET 55' 14" COMPOSITE	STK 41
SET 10' DEEP, RAKE 4" @ 333°	
BACKFILL	S02200512
INST 10' FIBER ARM W/ PINS & P.T. PIN	S03120604
INST 10' FIBER D.E ASSY - HORZ. TAP	S03122452
INST 1PT RACK THROUGH W/ TAP	S03010109

AT&T, SPECTRUM TO ATTACH

10.1 POLE #

DC AND REMV PRI., +/-, 6D
REMV 8' DBL X-ARMS AND D.E.'S
REMV (2) +/- DEADENDS
REMV MA25D, TLM10748904027
REMV 1 D/D LIGHTS.

TRANSFER EX. TRIPLEX SVC TO PT 14
TRANSFER LT FACING N TO PT 14

SPECTRUM TO TRANSFER
AMEREN TO PULL POLE STUB

11 SOFTDIG
POLE #

SET 45' CL1 SET 6.5' DEEP	STK 4102451
FRAME FOR 600A UNDERSLUNG SW	S10121302
TAG SW 29XXX	
FRAME FOR 600A UNDERSLUNG SW	S10121302
INST. (2) 25M EXP. ANC	S11006102
INST (2) 3/8" GUYS 20'L TO N	S11004307
	S11004008
INST +/- LOOPAROUND	S03010106

12 SOFTDIG
POLE #

SET 35' CL3 SET 5.5' DEEP	STK 4102353
INST POLE TO POLE SPAN GUY	
FROM PT. 7	
INST. 25M EXP. ANC	S11006102
INST 3/8" GUY 20'L TO N	S11004307
	S11004008
INST +/- LOOPAROUND FOR SVC	S03010106
ATTACH 1/0T	

SPECTRUM TO ATTACH

12.1 POLE #

DC AND REMV PRI., +/-, 6D
REMV P.T. PIN
REMV 3PT TRACK & +/- CLEVIS
REMV MA25D, TLM10748904026

TRANSFER & SPLICE ONTO EX. TRIPLEX

SPECTRUM TO TRANSFER
AT&T TO TRANSFER AND PULL POLE STUB

13 POLE #

DC AND REMV PRI., +/-, 6D
REMV 2 SETS 8' DBL X-AMRS.
REMV 600A SWITCH 5283
REMV (2) 1PT RACKS
REMV GUY AND ANCHOR

AMEREN PULLS POLE

14 SOFTDIG
POLE #

SET 35' CL3 SET 6.5' DEEP	STK 4102353
INST +/- LOOPAROUND FOR SVC	S03010106
ATTACH 2T AND TRANSFER EX SVC	

15 POLE #

DC AND REMV PRI., +/-
REMV 3PH VERT D.E. & LOOPAROUND
REMV +/- LOOPAROUND
REMV GUY AND ANCHOR

AMEREN PULLS POLE

16 POLE #

DC AND REMV 6D
REMV +/- CLEVIS
REMV LT AND BRACKET

SPECTRUM TO TRANSFER
AT&T TO TRANSFER AND PULL POLE STUB

JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

Focus 5

No extraordinary safety concerns found.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

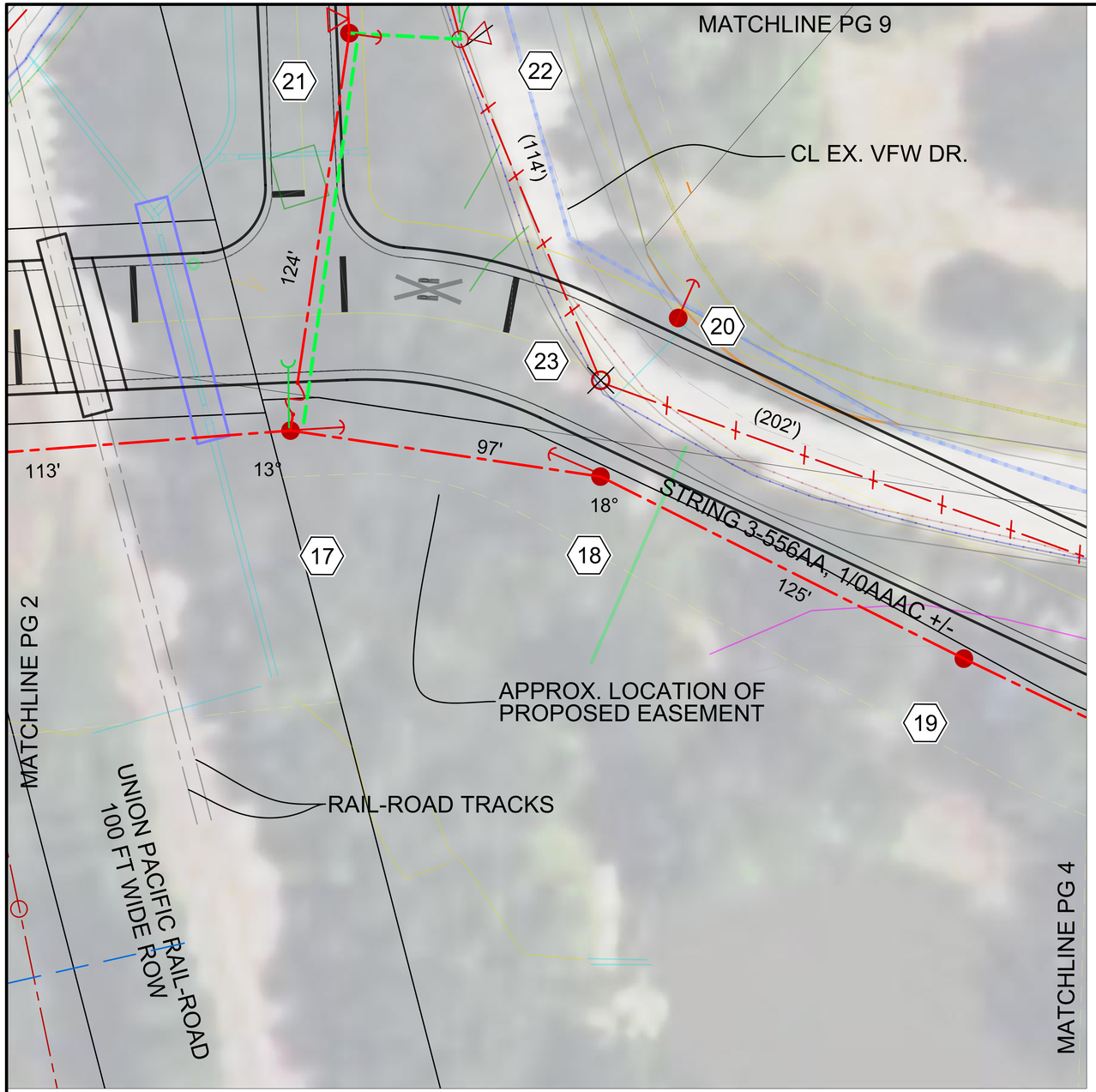
REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 3 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI



17 SOFTDIG
POLE #

SET 55' 12/14" COMPOSITE POLE	STK 4155826
SET 9' DEEP, RAKE 9" @ 337°	
BACKFILL	S02200512
INST HORZ. DEADEND, 10' D.E. ASSY	S03121465
INST 32M EXP. ANC.	S11006103
INST 7/16" GUY 16'L	S11004311
	S11004009
INST 250LED BRACKET MNT	S15701303
INST 15' BRACKET	S15701801
INST 1PT RACK THROUGH	S03010102
ATTACH 6D	

AT&T, SPECTRUM TO ATTACH

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

No extraordinary safety concerns found.

Focus 5

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

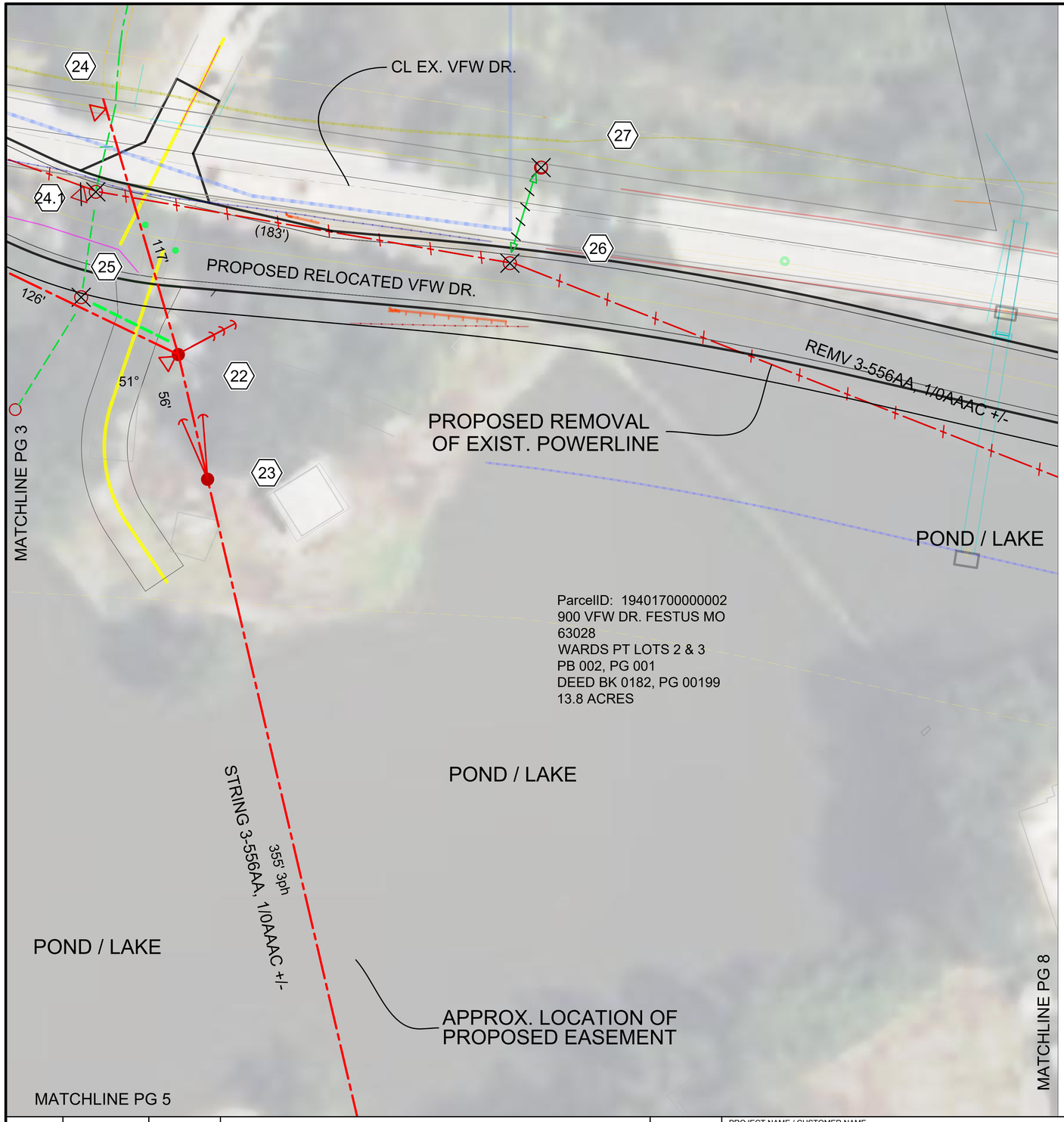
PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 4 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI

8/30/2024 2:52 PM



JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

No extraordinary safety concerns found.

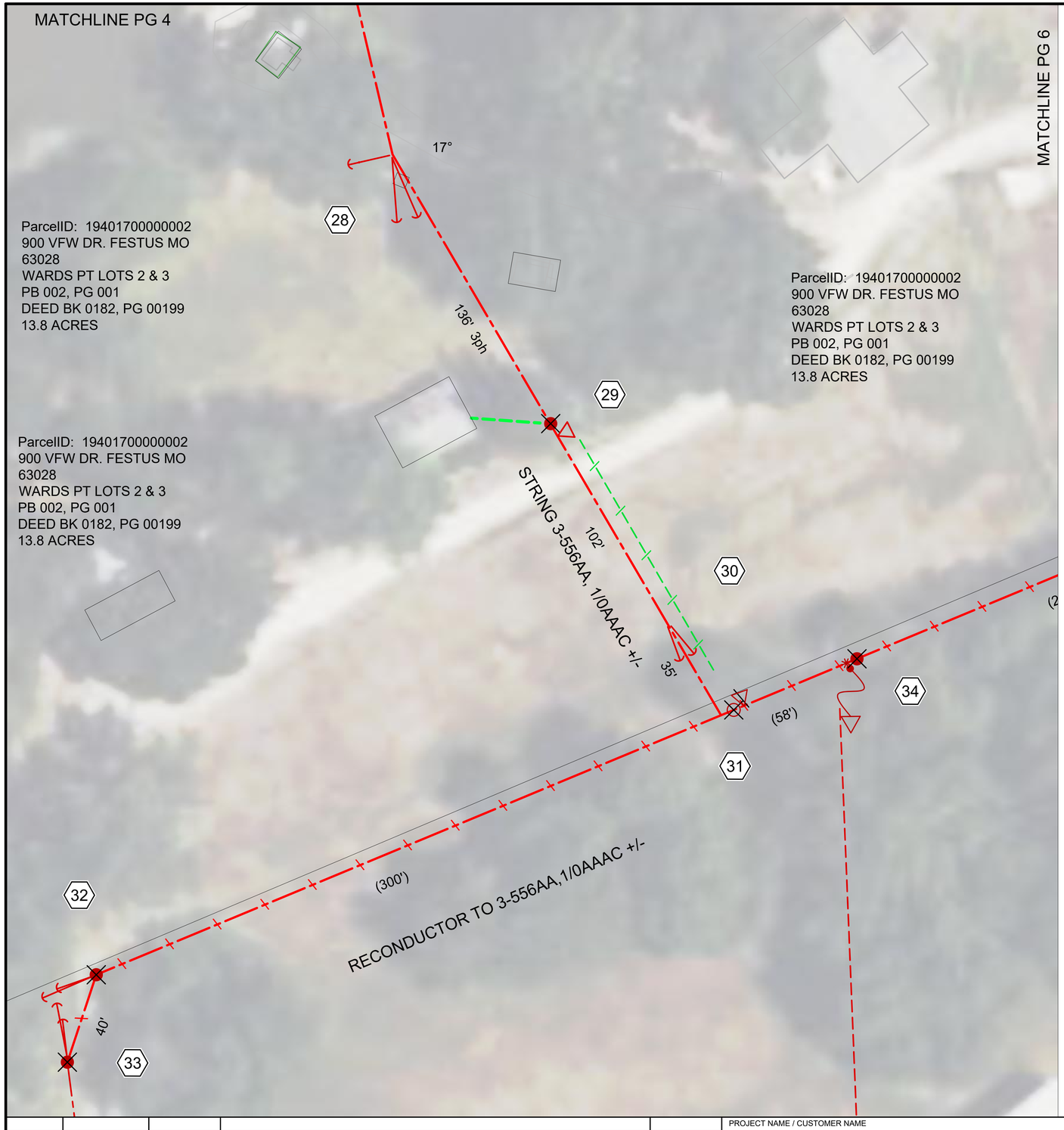
Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399			
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE	Not To Scale
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 5 OF 11	DRAWING DATE	N

Ameren MISSOURI

8/30/2024 2:54 PM



JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

Focus 5

No extraordinary safety concerns found.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

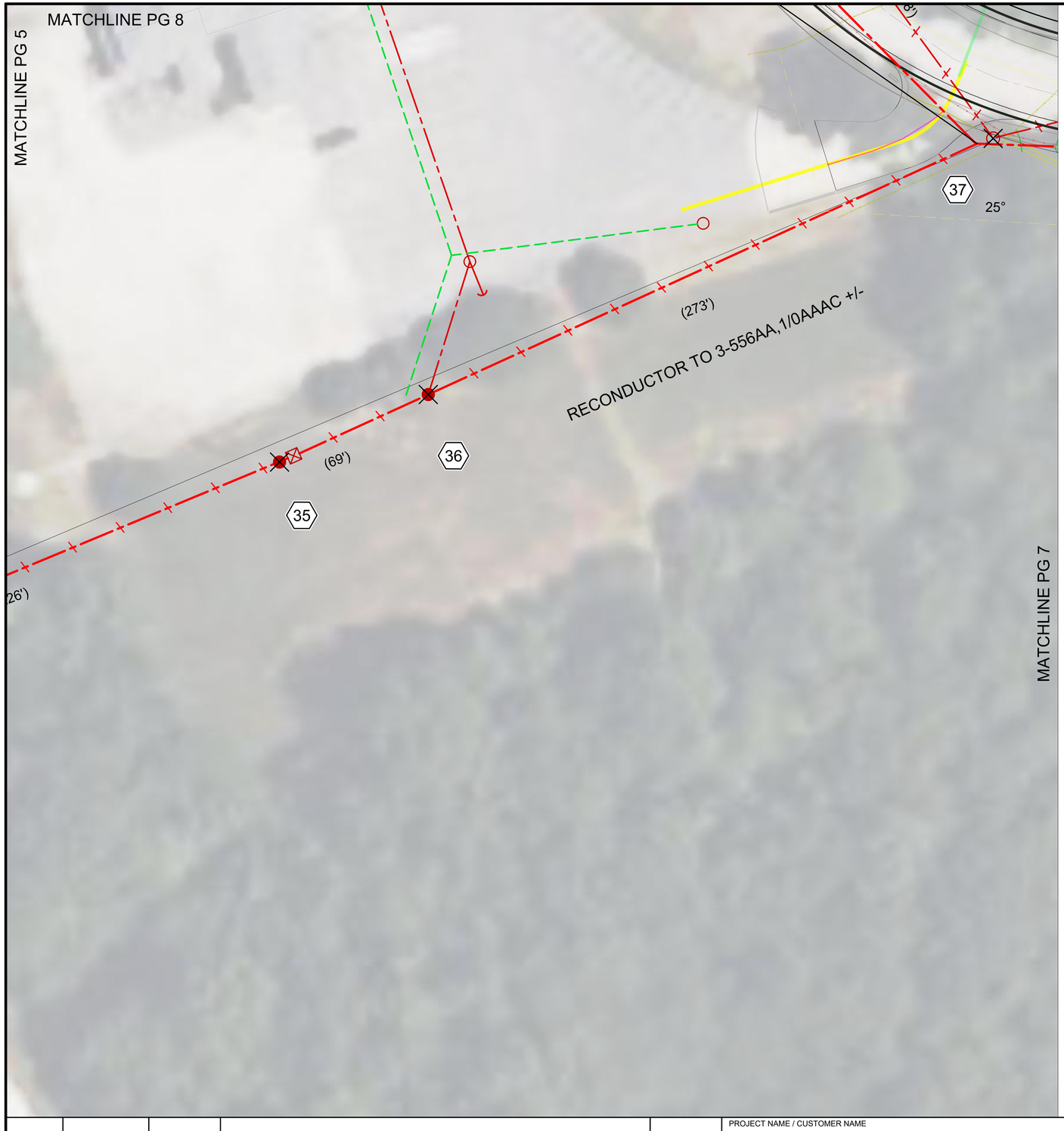
PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 6 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI

8/30/2024 2:55 PM



JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

Focus 5

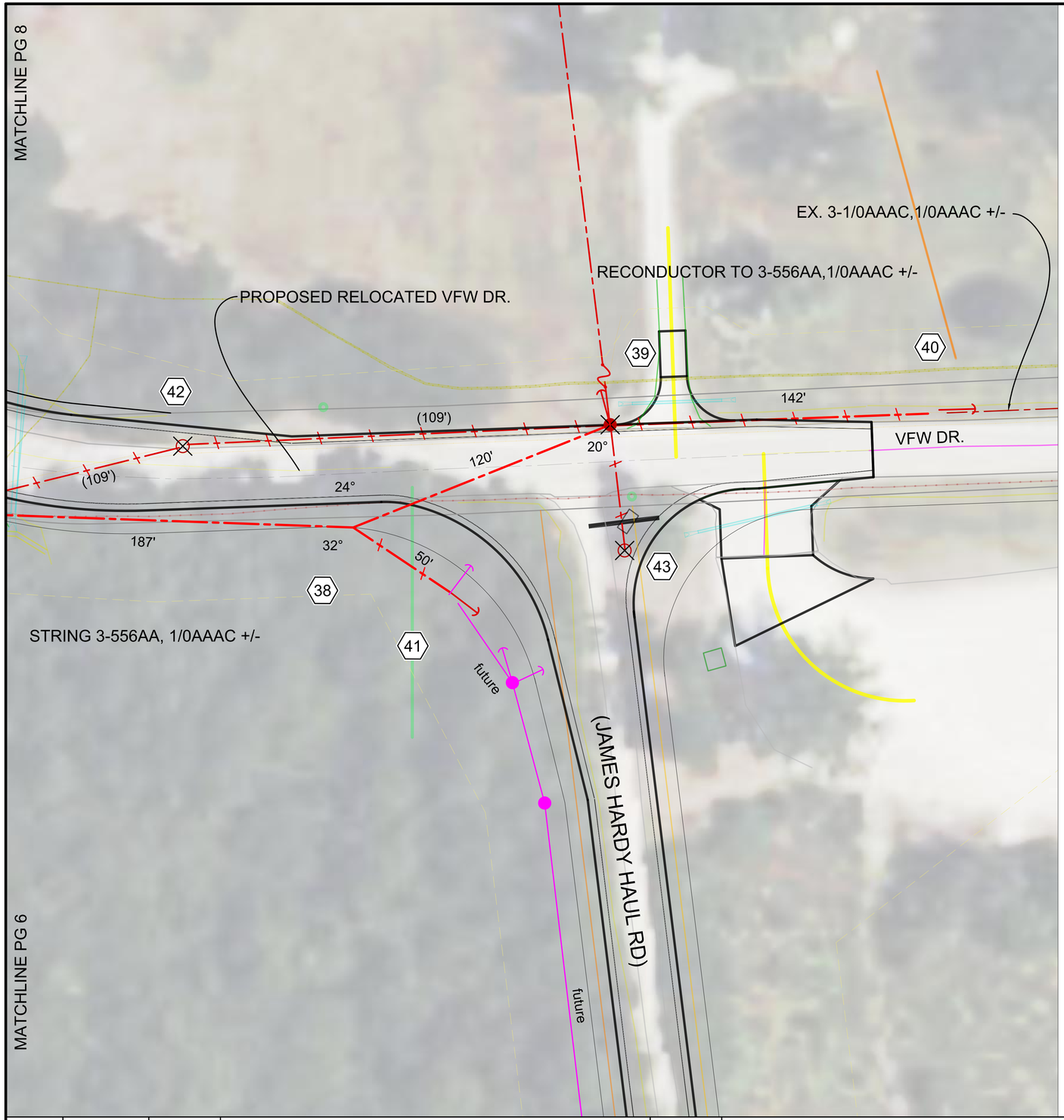
No extraordinary safety concerns found.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399			Not To Scale
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE	N
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 7 OF 11	DRAWING DATE	Ameren MISSOURI

8/30/2024 2:58 PM



JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

No extraordinary safety concerns found.

Focus 5

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399			
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE	Not To Scale
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 8 OF 11	DRAWING DATE	N

Ameren MISSOURI

8/30/2024 3:00 PM

CL EX. VFW DR.

PROPOSED RELOCATED VFW DR.

PROPOSED RELOCATED VFW DR.

CL EX. VFW DR.

REMV 3-556AA, 1/0AAAC +/-

(406')

46

48

PROPOSED REMOVAL
OF EXIST. POWERLINE

(120')

45

47

REMV 3-556AA, 1/0AAAC +/-

166' 1ph

APPROX. LOCATION OF
PROPOSED EASEMENT

THIS PROPOSED LINE MAY BE
ELIMINATED FROM DESIGN

44

(163')

49

MATCHLINE PG 7

MATCHLINE PG 4

900 VFW DR.

VFW POST 3777

PROPOSED RELOCATED VFW DR.

215' 1ph

MATCHLINE PG 6

JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

No extraordinary safety concerns found.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

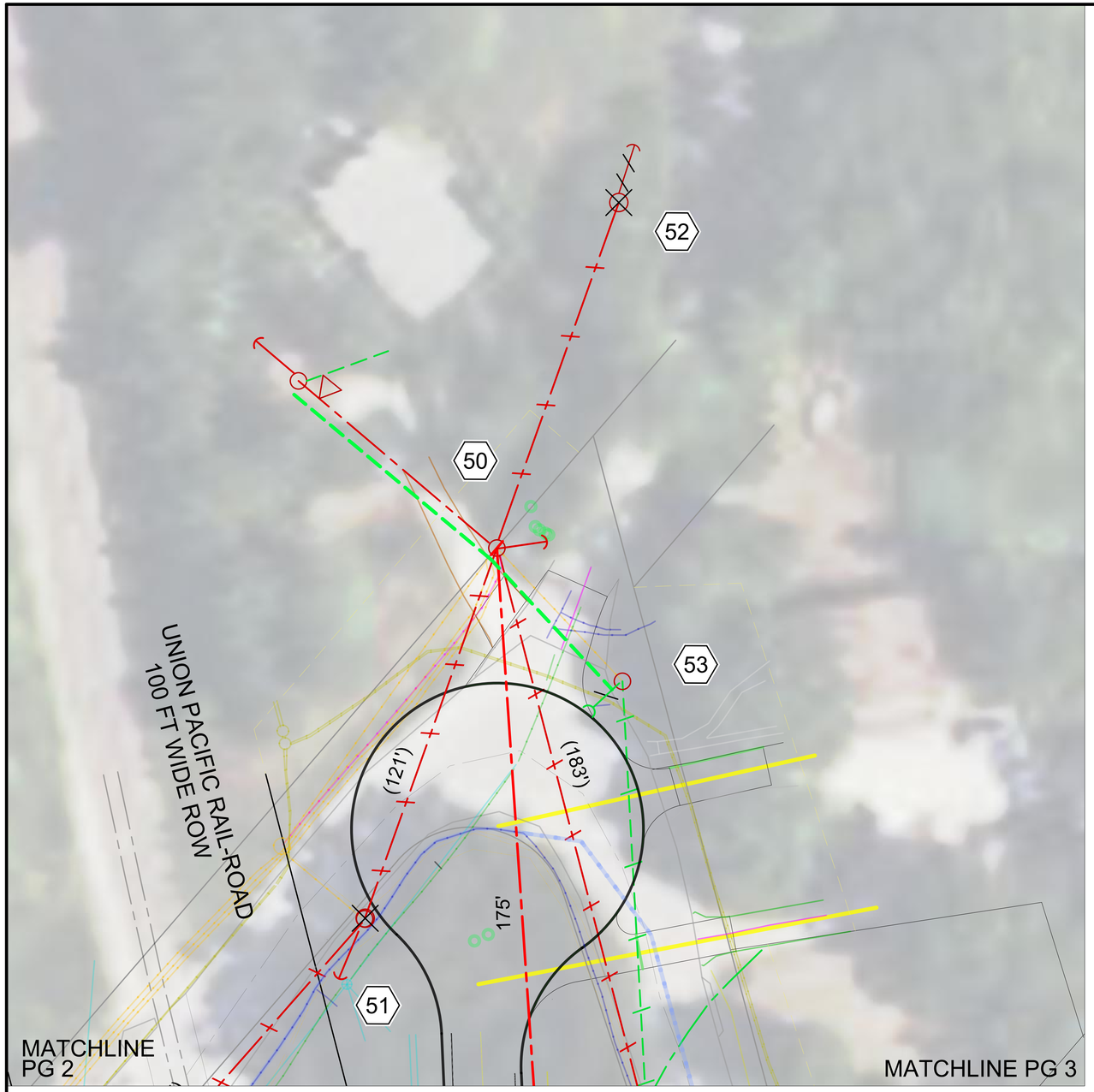
PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 9 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI

8/30/2024 3:02 PM



JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

No extraordinary safety concerns found.

Focus 5

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 10 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI

8/30/2024 3:03 PM



PRELIMINARY
For Review Only
Not For Construction
08/30/24

FOR REFERENCE ONLY

JEFFERSON COUNTY CONTACT:
LANE BURGESS - 636-797-5573

AMEREN CONTACTS:
DESIGNER: JOHN FRIEL - 636-575-7395
DESIGN ENGINEER: AJDIN IBRISAGIC - 314-368-6607
DIVISION ENGINEER: MATT EVERDING - 816-806-0229

Focus 5

No extraordinary safety concerns found.

Body Mechanics • Eyes on Path/Work • Line of Fire
Pre-Job Inspection • Proper Tool/Equipment

REV	DATE	DES	DESCRIPTION	APPD

PROJECT NAME / CUSTOMER NAME: VFW DR PROJECT REDBIRD		DOJM WR # / MAXIMO WO #: KB33399		
LOCATION: CRYSTAL CITY	FINANCIAL WO #	HIGHEST VOLTAGE	CIRCUIT: 552-51	PREFIX / VOLUME / PAGE
PROJECT TYPE	OPERATING CENTER: JEFFERSON	DESIGNER: JOHN FRIEL	SHEET #: 11 OF 11	DRAWING DATE

Not To Scale

N

Ameren MISSOURI

8/30/2024 3:05 PM