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**Sponsored by: Council Members Epps and Smith**

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**AN ORDINANCE APPROVING THE PLANS FOR EGGERING DRIVE RECONSTRUCTION PROJECT; DECLARING THE PROJECT TO BE NECESSARY AND APPROPRIATE; AUTHORIZING ACQUISITION OF PROPERTY IN ASSOCIATION THEREWITH; AND AUTHORIZING CERTAIN OTHER ACTIONS.**

**WHEREAS**, the project is necessary due to the age and condition of the City infrastructure; and

**WHEREAS**, the improvements planned for this project include reconstructing the road, sidewalk and various storm sewer segments; and

**WHEREAS**, the City Council previously authorized design and engineering work for the improvements referenced herein to better serve O’Fallon residents in the future; and

**WHEREAS**, the City Council appropriated funds for this project in the current budget for the work contemplated herein;

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF O’FALLON, MISSOURI, AS FOLLOWS:**

**SECTION 1:** The City Council finds and declares that the public works project encompassed by the plans attached hereto as Exhibit A and incorporated herein by reference (the “Project”) is necessary and in the public interest, and in furtherance of protecting and enhancing the public health, safety and welfare, and that the construction thereof is a proper exercise of governmental authority.

**SECTION 2:** The City Council hereby approves the Project and the plans referenced above for construction by the City of O’Fallon.

**SECTION 3:** The City Council also hereby authorizes the acquisition of all land, easements, and other interests necessary for the Project by purchase, donation, or through the use of eminent domain. The City Administrator, or his/her designee, is hereby authorized to execute all deeds, easements, conveyances and other documents necessary, desirable, convenient or prudent to acquire the property and interests described herein; and the City Attorney is authorized to file such actions and pursue such legal recourse as may be necessary, prudent or useful to acquire any and all property reasonably necessary to construct the Project in accordance with state law.

**SECTION 4:** The City Administrator and City staff are hereby authorized to perform all acts necessary, desirable, convenient or prudent to complete the project in substantial conformance with the approved plans.

**SECTION 5:** This ordinance shall be in full force and effect from and after its passage and approval by the Mayor.

First Reading: August 22, 2024

Second Reading: September 12, 2024

PASSED BY THE CITY COUNCIL FOR THE CITY OF O'FALLON, MISSOURI, THIS 12<sup>TH</sup> DAY OF SEPTEMBER, 2024.



*Bill Hennessy*  
\_\_\_\_\_  
Presiding Officer

Attest:

*Bess Bacher*  
\_\_\_\_\_  
Bess Bacher, City Clerk

APPROVED BY THE MAYOR FOR THE CITY OF O'FALLON, MISSOURI, THIS 12<sup>TH</sup> DAY OF SEPTEMBER, 2024.



*Bill Hennessy*  
\_\_\_\_\_  
Bill Hennessy, Mayor

Attest:

*Bess Bacher*  
\_\_\_\_\_  
Bess Bacher, City Clerk

Approved as to Form:

*Kevin M. O'Keefe*  
\_\_\_\_\_  
Kevin M. O'Keefe, City Attorney

# Ordinance Exhibit A

# CITY OF O'FALLON MISSOURI

## EGGERING DRIVE RECONSTRUCTION SECTION 21, TOWNSHIP 47N, RANGE 3E OF THE FIFTH PRINCIPAL MERIDIAN FEDERAL PROJECT NO. STBG-9901(672) CONCEPTUAL PLANS

### SHEET INDEX

DRAWING NUMBER	DESCRIPTION
T-001	COVER SHEET
T-002	GENERAL NOTES
T-003	SURVEY CONTROL
C-101	TYPICAL SECTIONS
C-201 - C-204	PLAN AND PROFILE
C-301 - C-308	CROSS SECTIONS
C-401 - C-406	WARPING PLANS
C-501	DRAINAGE AREAS
C-601	CONDITION ASSESSMENT MAP
C-602	RECOMMENDATIONS MAP
C-901 - C-902	DETAILS

**ELECTRIC**  
ANDERSON MISSOURI  
200 Callahan Road  
Wentzville, MO 63385  
(636) 639-3709

**TELEPHONE**  
BRIGHTSPEED  
(833) 582-2791

**SALES**  
SPIRE MO EAST  
4118 SHREWSBURY AVE  
SHREWSBURY, MO 63119  
(314) 768-7721

**STORM SEWER**  
RANDY CLARK  
100 NORTH MAIN STREET  
CITY OF O'FALLON, MO 63306  
(636) 379-7632

**SANITARY SEWER**  
CITY OF O'FALLON  
100 N. MAIN ST.  
O'FALLON, MO, 63306  
(636) 243-2000

**WATER**  
CITY OF O'FALLON  
MISSOURI AMERICAN WATER CO.  
727 Craig Rd.  
St. Louis, MO 63066  
(636) 243-2000

**STREET LIGHTING**  
CITY OF O'FALLON  
100 N. MAIN ST.  
O'FALLON, MO, 63306  
(636) 243-2000

**TRAFFIC SIGNAL**  
CITY OF O'FALLON  
100 N. MAIN ST.  
O'FALLON, MO, 63306  
(636) 243-2000

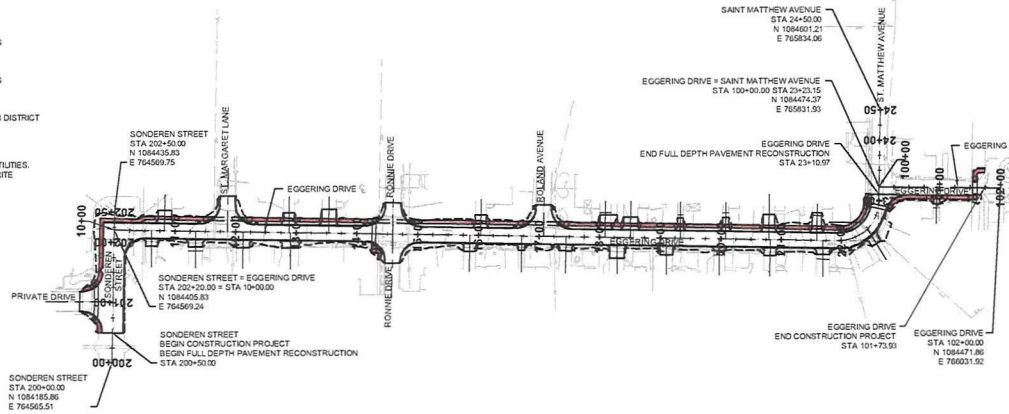
**MODOT**  
(314) 376-1500

**FIBER OPTIC**  
CHARTER COMMUNICATIONS  
(888) 406-7003

**CABLE TV**  
CHARTER COMMUNICATIONS  
(888) 406-7003

**FIRE DISTRICT**  
O'FALLON FIRE PROTECTION DISTRICT  
111 LAURA K DR.  
O'FALLON, MO, 63306  
(636) 272-3493

**NOTE:** NO OTHER KNOWN UTILITIES.  
UTILITY LOCATE: 1480-DIG-RITE



### DESIGN CRITERIA:

- A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (ASHTO "GREEN BOOK" EDITION 2018)
- 2023 MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (APRIL 1, 2024 EDITION)
- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) (DECEMBER 2003 EDITION)
- MODOT MISSOURI DEPARTMENT OF TRANSPORTATION ENGINEERING POLICY GUIDE (EPG)
- PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (AUGUST 8, 2023)
- MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES (2023 EDITION)

### DESIGN DESIGNATION:

FUNCTIONAL CLASSIFICATION	MINOR COLLECTOR
CURRENT POSTED SPEED	25 MPH
DESIGN SPEED	25 MPH
CURRENT AADT	3,000 (2020)
FUTURE AADT (EST)	4,000 (2025)

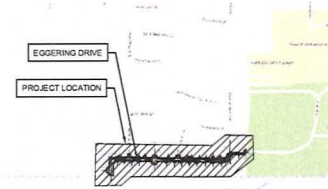
### LENGTH OF PROJECT:

SONDEREN STREET	
BEGINNING STATION	200+50.00
ENDING STATION	202+31.00
APPARENT LENGTH	181.00 FEET

EGGERING DRIVE AND ST. MATTHEW AVENUE	
BEGINNING STATION	10+00.00
ENDING STATION	23+10.97
APPARENT LENGTH	1,310.97 FEET

EGGERING DRIVE	
BEGINNING STATION	100+00.00
ENDING STATION	101+73.93
APPARENT LENGTH	173.93 FEET

EQUATION AND EXCEPTION	NONE
TOTAL CORRECTIONS	NONE
NET LENGTH OF PROJECT	1,666.83 FEET (0.32 MILES)



VICINITY MAP  
NOT TO SCALE



**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
Friday, June 28, 2024 2:13:25 PM

APPROVED BY  
CITY OF O'FALLON, MISSOURI

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DIRECTOR OF ENGINEERING

PROJECT SITE MAP  
SCALE: 1" = 100'



PLOT SCALE FACTOR 0.5

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
B	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO
A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR



KEVIN THOMAS FOY  
OSHAUCHNESSY  
PE-001700046

Modelbent  
June 28, 2024

COVER SHEET  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
T-001

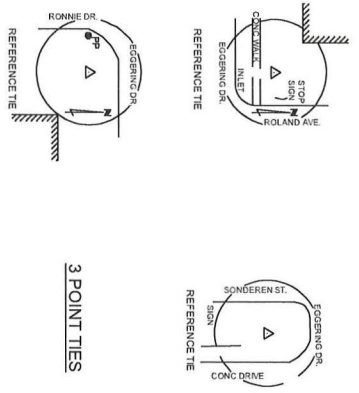


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 Plot Scale: 1:500

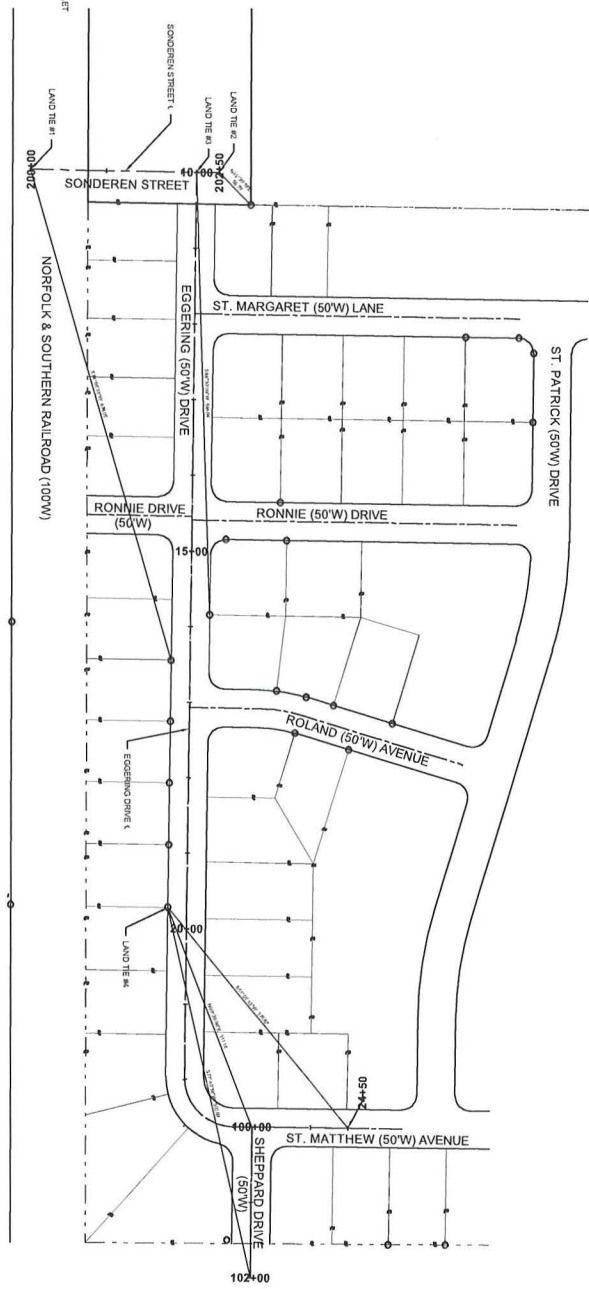
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THE INFORMATION ON THIS DRAWING IS BASED ON THE DATA PROVIDED BY THE CLIENT. THE USER ASSUMES ALL LIABILITY FOR THE ACCURACY OF THE DATA AND THE INFORMATION ON THIS DRAWING. THE USER ASSUMES ALL LIABILITY FOR THE ACCURACY OF THE DATA AND THE INFORMATION ON THIS DRAWING. THE USER ASSUMES ALL LIABILITY FOR THE ACCURACY OF THE DATA AND THE INFORMATION ON THIS DRAWING.

REV.	DATE	DESCRIPTION	BY	CHKD
B	06/29/2024	ISSUED FOR PRELIMINARY REVIEW	KTO	
A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR	



3 POINT TIES



CDG PROJECT NO. 23228  
 DRAWING NO. T-003

SURVEY CONTROL  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

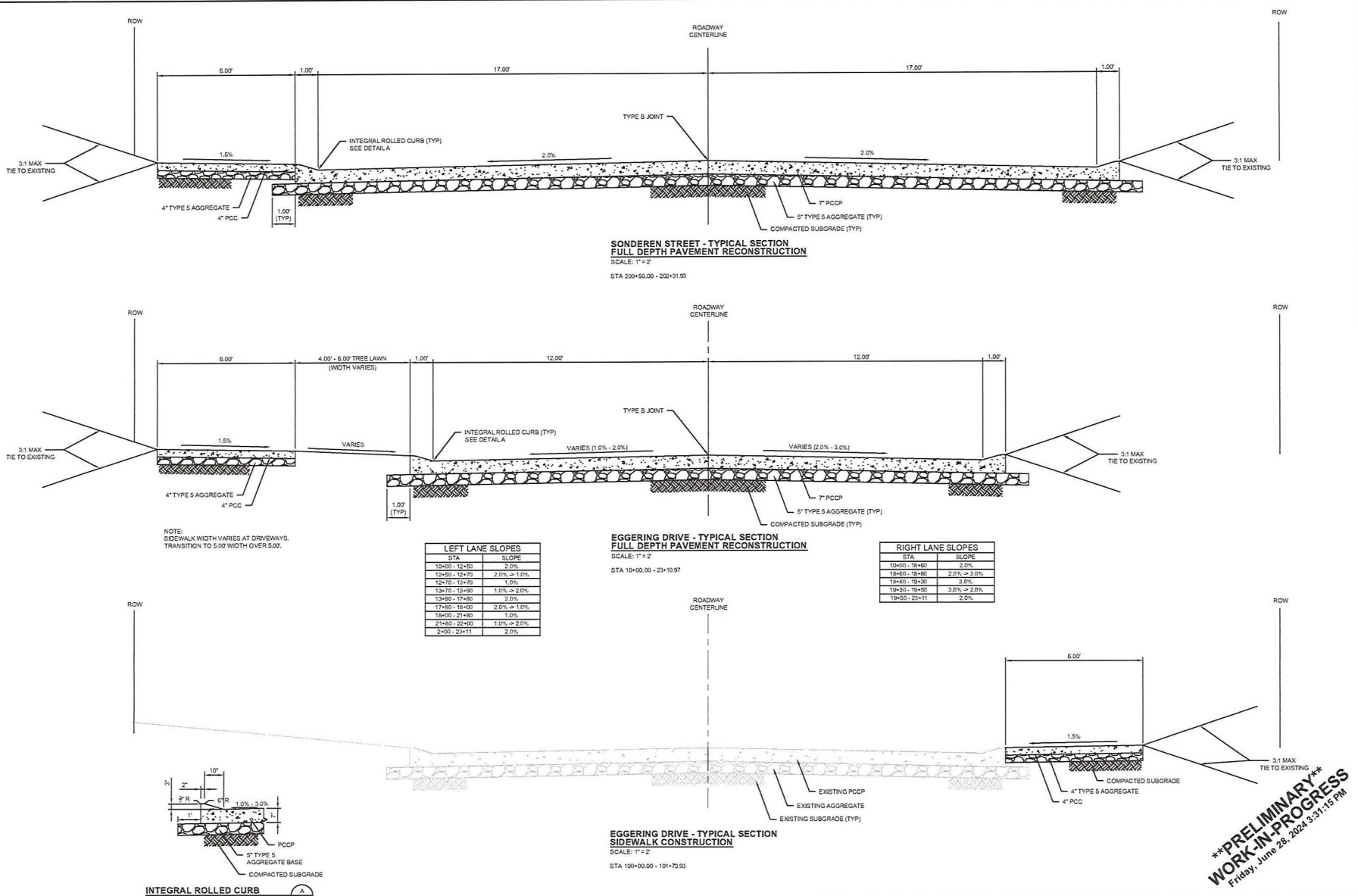
KEVIN THOMAS CIVIL ENGINEER  
 MISSOURI REGISTERED PROFESSIONAL ENGINEER  
 No. 000000000  
 DATE: 06/29/2024



One Campbell Place  
 St. Louis, Missouri 63130  
 Missouri State Certificate of Authority # 1273

T. 864 785 7770  
 F. 354 785 9976

T:\Working\23228 - City of Ofallon - Eggering Dr\8-CDG Drawings\AutoCAD\23228-Typical Sections.dwg Printed by: MOULDER@ES&P Plot date = 03/26/2024



**LEFT LANE SLOPES**

STA	SLOPE
10+00 - 12+40	2.0%
12+50 - 12+70	2.0% > 1.0%
12+70 - 13+70	1.0%
13+70 - 13+90	1.0% > 2.0%
13+90 - 17+80	2.0%
17+80 - 18+00	2.0% > 1.0%
18+00 - 21+80	1.0%
21+80 - 22+40	1.0% > 2.0%
24+00 - 23+11	2.0%

**RIGHT LANE SLOPES**

STA	SLOPE
10+00 - 18+40	2.0%
18+40 - 18+80	2.0% > 3.0%
18+80 - 19+20	3.0%
19+20 - 19+50	3.0% > 2.0%
19+50 - 23+11	2.0%

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**\*\*PRELIMINARY\*\***  
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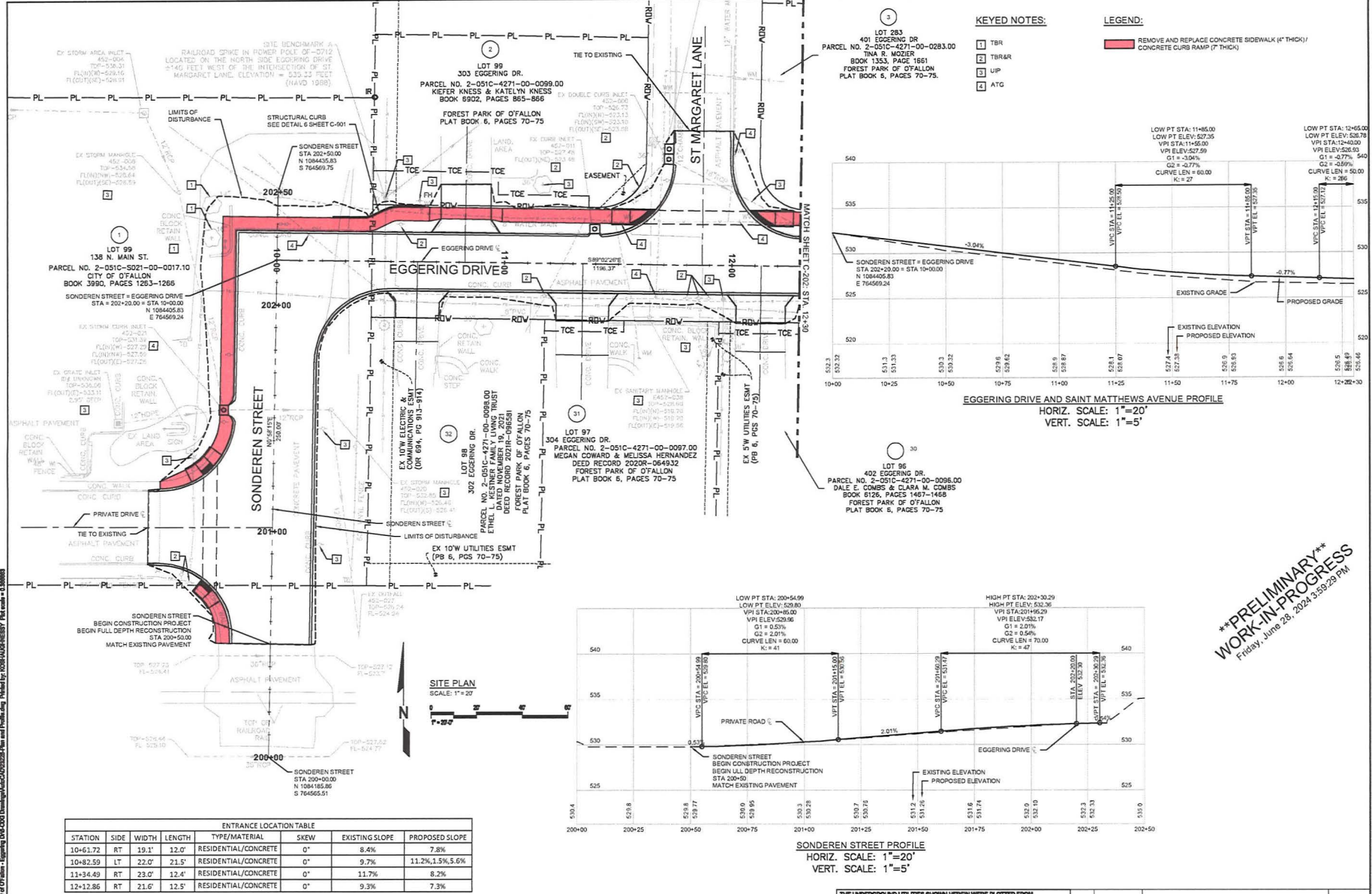
KEVIN THOMAS FOY  
CIVIL ENGINEER  
PE-001700066

Moitambeni  
June 28, 2024

TYPICAL SECTIONS  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF OFALLON, MISSOURI

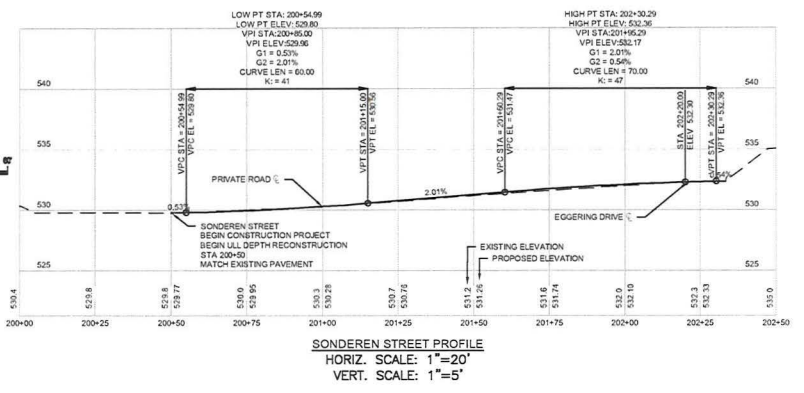
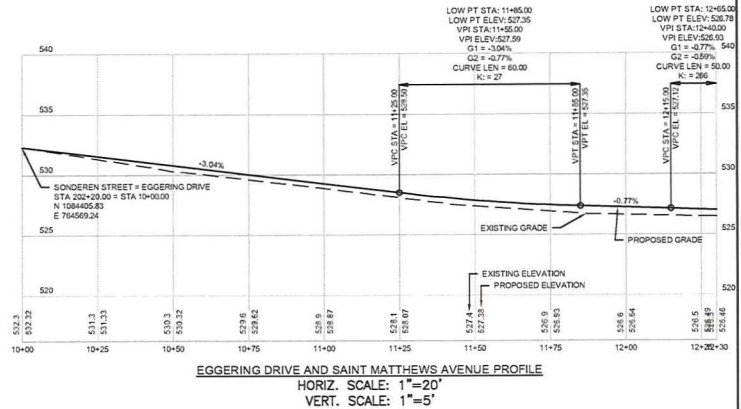
CDG PROJECT NO.  
23228

DRAWING NO.  
C-101



- KEYED NOTES:**
- 1 TBR
  - 2 TBR&R
  - 3 UP
  - 4 ATG

- LEGEND:**
- REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK)
  - CONCRETE CURB RAMP (7" THICK)



**ENTRANCE LOCATION TABLE**

STATION	SIDE	WIDTH	LENGTH	TYPE/MATERIAL	SKIEW	EXISTING SLOPE	PROPOSED SLOPE
10+61.72	RT	19.1'	12.0'	RESIDENTIAL/CONCRETE	0°	8.4%	7.8%
10+82.59	LT	22.0'	21.5'	RESIDENTIAL/CONCRETE	0°	9.7%	11.2%, 1.5%, 5.6%
11+34.49	RT	23.0'	12.4'	RESIDENTIAL/CONCRETE	0°	11.7%	8.2%
12+12.86	RT	21.6'	12.5'	RESIDENTIAL/CONCRETE	0°	9.3%	7.3%

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Friday, June 28, 2024 3:59:23 PM

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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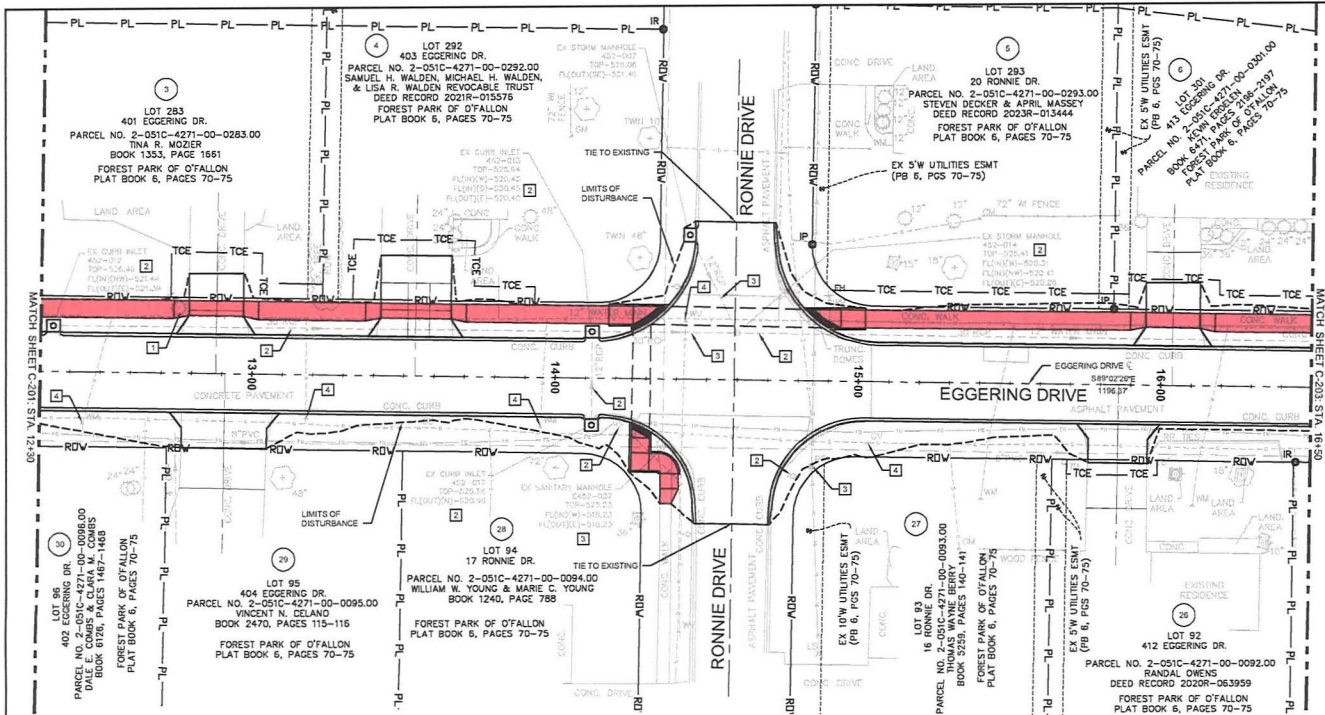


KEVIN THOMAS FOY  
 P.E. 001700045  
 June 28, 2024

**PLAN AND PROFILE**  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFALLON, MISSOURI

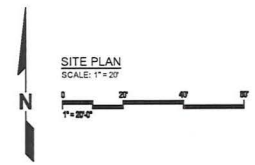
CDG PROJECT NO.  
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DRAWING NO.  
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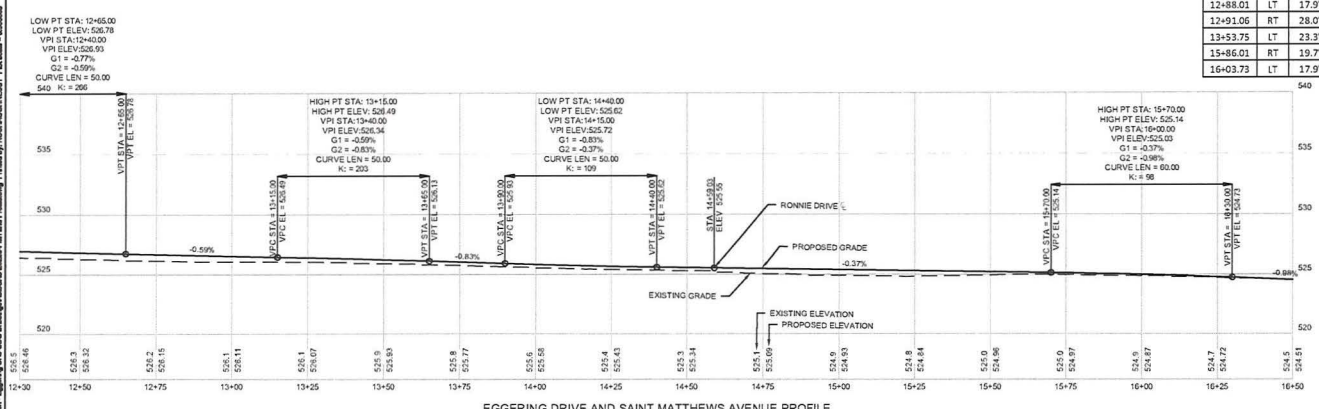


**LEGEND:**  
 [Red line] REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK) / CONCRETE CURB RAMP (7" THICK)

- KEYED NOTES:**
- [1] TBR
  - [2] TBR&R
  - [3] UP
  - [4] ATG



ENTRANCE LOCATION TABLE							
STATION	SIDE	WIDTH	LENGTH	TYPE/MATERIAL	SKEW	EXISTING SLOPE	PROPOSED SLOPE
12+88.01	LT	17.9'	21.0'	RESIDENTIAL/CONCRETE	0°	11.9%	11.8%, 1.5%, 9.5%
12+91.06	RT	28.0'	11.8'	RESIDENTIAL/CONCRETE	0°	7.3%	6.2%
13+53.75	LT	23.3'	27.0'	RESIDENTIAL/CONCRETE	0°	12.2%	14.0%, 1.5%, 11.0%
15+86.01	RT	19.7'	13.0'	RESIDENTIAL/CONCRETE	0°	8.8%	5.4%
16+03.73	LT	17.9'	21.0'	RESIDENTIAL/CONCRETE	0°	11.9%, 5.6%, 3.4%	7.6%, 1.5%, 4.8%



**EGGERING DRIVE AND SAINT MATTHEWS AVENUE PROFILE**  
 HORIZ. SCALE: 1"=20'  
 VERT. SCALE: 1"=5'

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Friday, June 28, 2024 3:59:22 PM

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REV.	DATE	DESCRIPTION	APPROVED
B	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO
A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR



KEVIN THOMAS FOY  
 OSMA/MSH/JONESSKY  
 PE-001700046  
 Keshbaughnsey  
 June 28, 2024

PLAN AND PROFILE  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

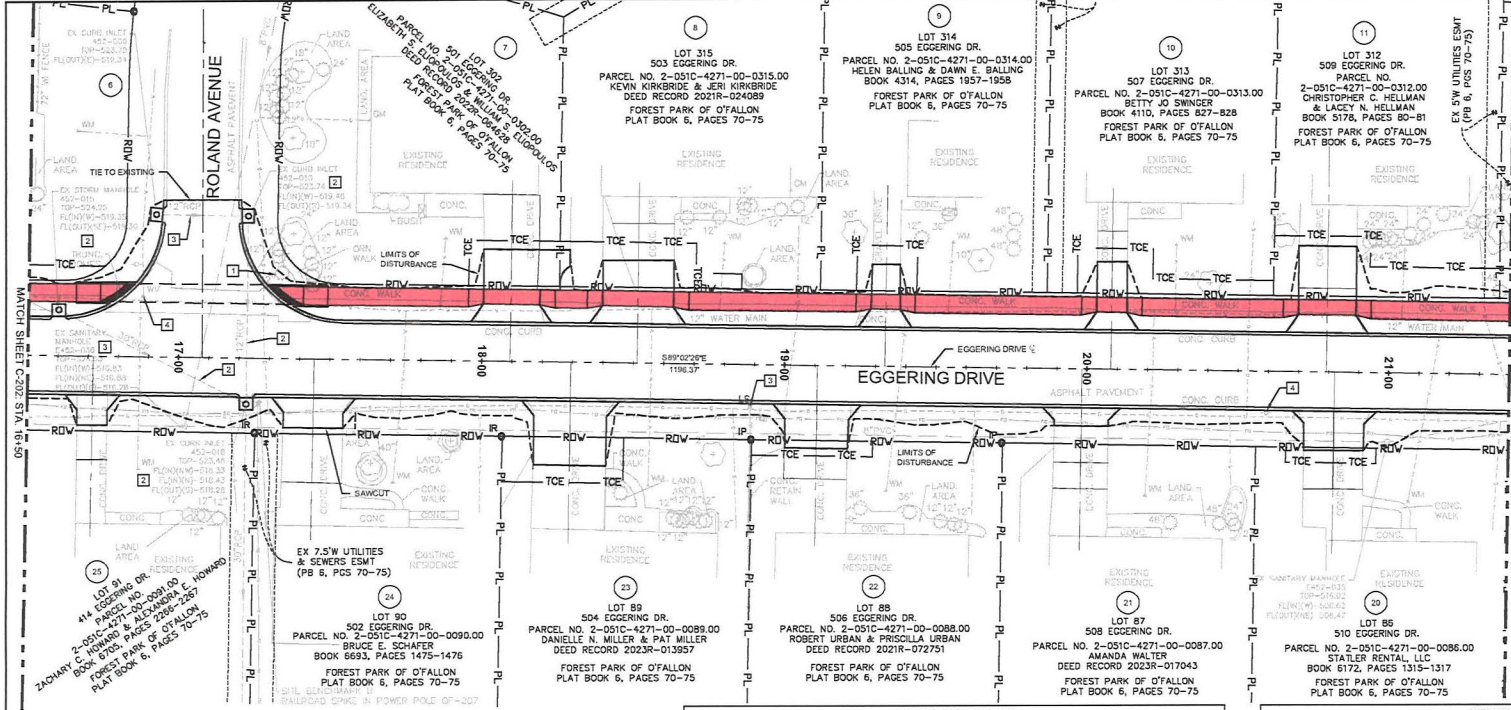
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 23228

DRAWING NO.  
 C-202

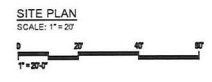
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PLOT SCALE FACTOR 0.5



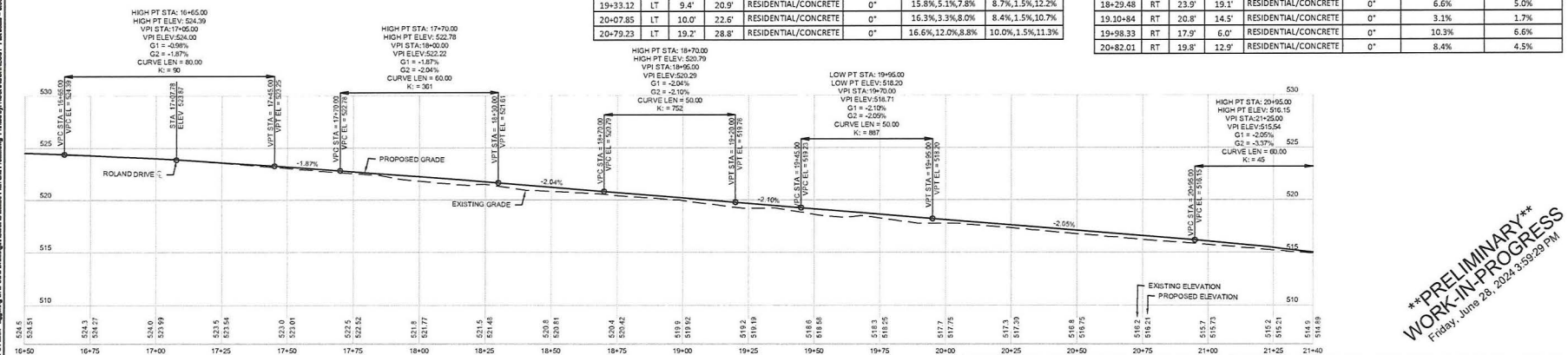


- LEGEND:**
- REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK)/ CONCRETE CURB RAMP (7" THICK)
- KEYED NOTES:**
- TBR
  - TBR&R
  - UP
  - ATG



ENTRANCE LOCATION TABLE							
STATION	SIDE	WIDTH	LENGTH	TYPE/MATERIAL	SKEW	EXISTING SLOPE	PROPOSED SLOPE
18+09.28	LT	18.6'	24.2'	RESIDENTIAL/CONCRETE	0°	15.4%, 2.3%, 5.9%	7.8%, 1.5%, 8.9%
18+15.12	LT	23.4'	21.1'	RESIDENTIAL/CONCRETE	0°	13.4%, 10.3%, 10.2%	11.9%, 1.5%, 11.3%
19+33.12	LT	9.4'	20.9'	RESIDENTIAL/CONCRETE	0°	15.8%, 5.1%, 7.8%	8.7%, 1.5%, 12.2%
20+07.85	LT	10.0'	22.6'	RESIDENTIAL/CONCRETE	0°	16.3%, 3.3%, 8.0%	8.4%, 1.5%, 10.7%
20+79.23	LT	19.2'	28.8'	RESIDENTIAL/CONCRETE	0°	16.6%, 12.0%, 8.8%	10.0%, 1.5%, 11.3%

ENTRANCE LOCATION TABLE							
STATION	SIDE	WIDTH	LENGTH	TYPE/MATERIAL	SKEW	EXISTING SLOPE	PROPOSED SLOPE
16+71.61	RT	10.0'	10.1'	RESIDENTIAL/CONCRETE	0°	4.9%	5.4%
17+44.72	RT	19.7'	10.1'	RESIDENTIAL/CONCRETE	0°	4.7%	5.8%
18+29.48	RT	23.9'	19.1'	RESIDENTIAL/CONCRETE	0°	6.6%	5.0%
19+10.84	RT	20.8'	14.5'	RESIDENTIAL/CONCRETE	0°	3.1%	1.7%
19+98.33	RT	17.9'	6.0'	RESIDENTIAL/CONCRETE	0°	10.3%	6.6%
20+82.01	RT	19.8'	12.9'	RESIDENTIAL/CONCRETE	0°	8.4%	4.5%



**EGGERING DRIVE AND SAINT MATTHEWS AVENUE PROFILE**  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: 1"=5'

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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KoshkaHinessey  
June 28, 2024

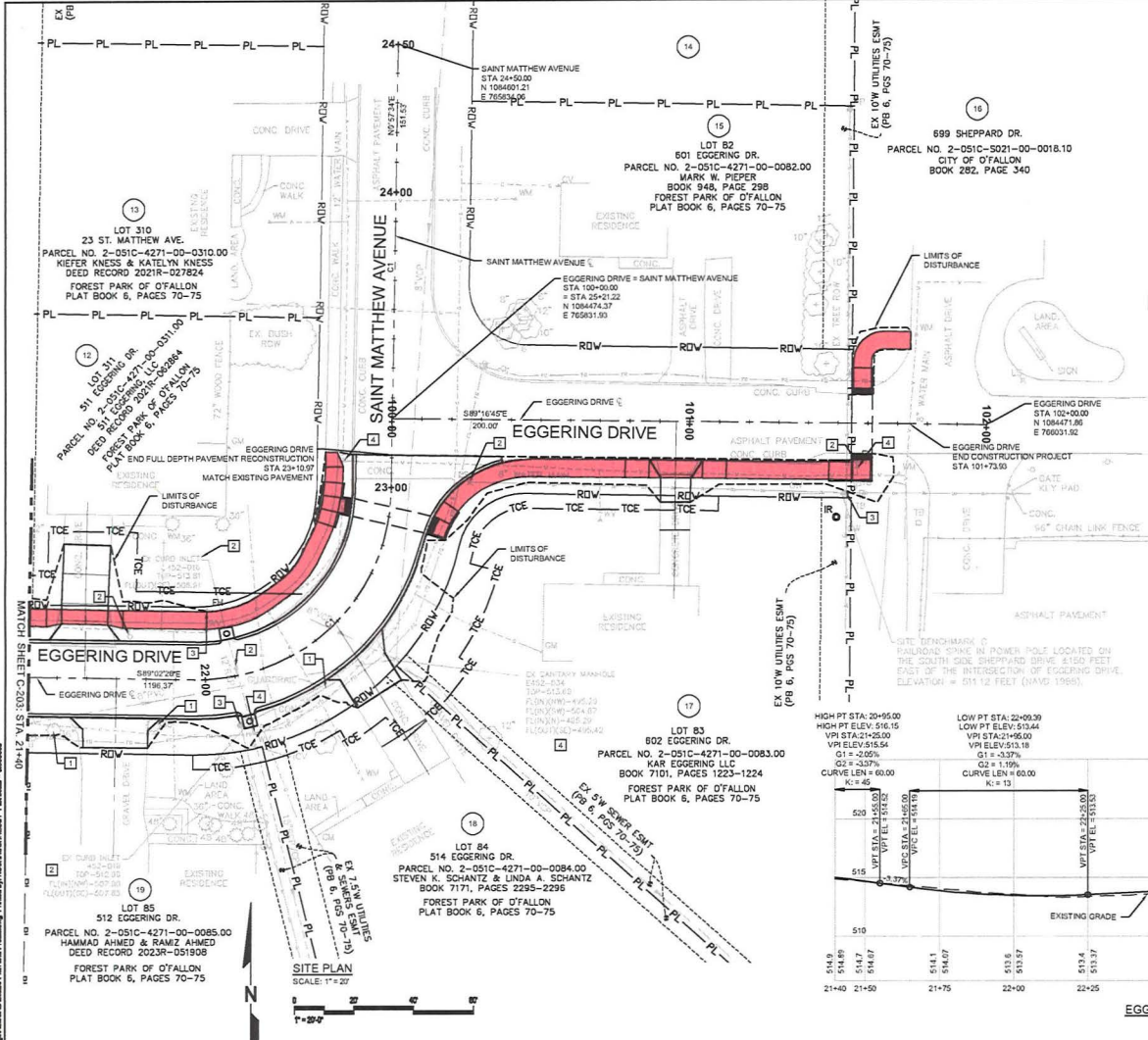
PLAN AND PROFILE  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
C-203

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
Friday, June 28, 2024 3:59:23 PM

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koshkaHinessey 06/28/24 15:59



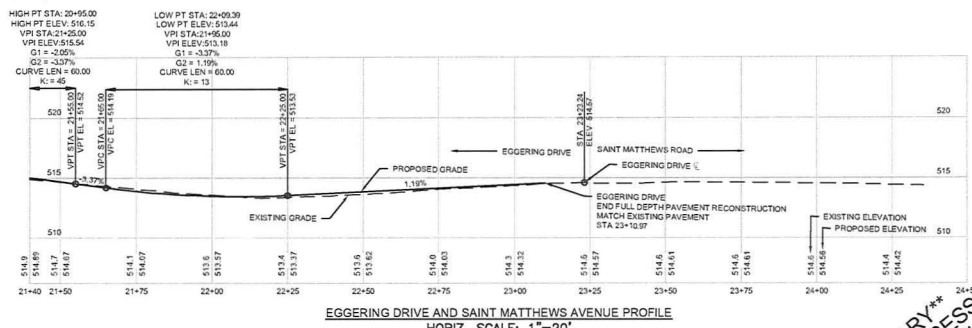
**LEGEND:**

- REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK) / CONCRETE CURB RAMP (4" THICK)

**KEYED NOTES:**

- 1 TBR
- 2 TBR&R
- 3 UP
- 4 ATG

STATION	SIDE	WIDTH	LENGTH	TYPE/MATERIAL	SKEW	EXISTING SLOPE	PROPOSED SLOPE
21+59.36	LT	15.8'	32.8'	RESIDENTIAL/CONCRETE	0°	13.9%, 12.4%, 10.1%	12.1%, 1.5%, 9.5%
21+70.06	RT	21.9'	10.1'	RESIDENTIAL/CONCRETE	0°	8.4%	9.9%
22+48.86	RT	17.5'	15.0'	RESIDENTIAL/CONCRETE	13°27'27" RT	5.0%	2.2%
100+95.44	RT	10.0'	14.3'	RESIDENTIAL/CONCRETE	0°	4.8%	1.5%, 8.8%
100+99.06	LT			N/A, USE EXISTING ENTRANCE IN PLACE			



**EGGERING DRIVE AND SAINT MATTHEWS AVENUE PROFILE**  
 HORIZ. SCALE: 1" = 20'  
 VERT. SCALE: 1" = 5'

CURVE #	DEFLECTION ANGLE (IC)	DEGREE OF CURVE-ARC (DA)	CHORD DIRECTION (CH)	TANGENT (T) (FT)	RADIUS (R) (FT)	ARC LENGTH (L) (FT)	CHORD LENGTH (C) (FT)	EXTERNAL (E) (FT)	MID-ORDINATE (M) (FT)	PI STATION	PI NORTHING	PI EASTING
C1	90° 00' 00"	88° 05' 50"	N45° 57' 33"E	65.00	65.00	102.10	91.92	26.92	19.03	22+61.36	1084384.70	765830.43

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Friday, June 28, 2024 3:59:29 PM

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
B	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO
A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR



KEVIN THOMAS FOY  
 C.SHAUGHNESSY  
 PE-001700046

Kochhaughnessy  
 June 28, 2024

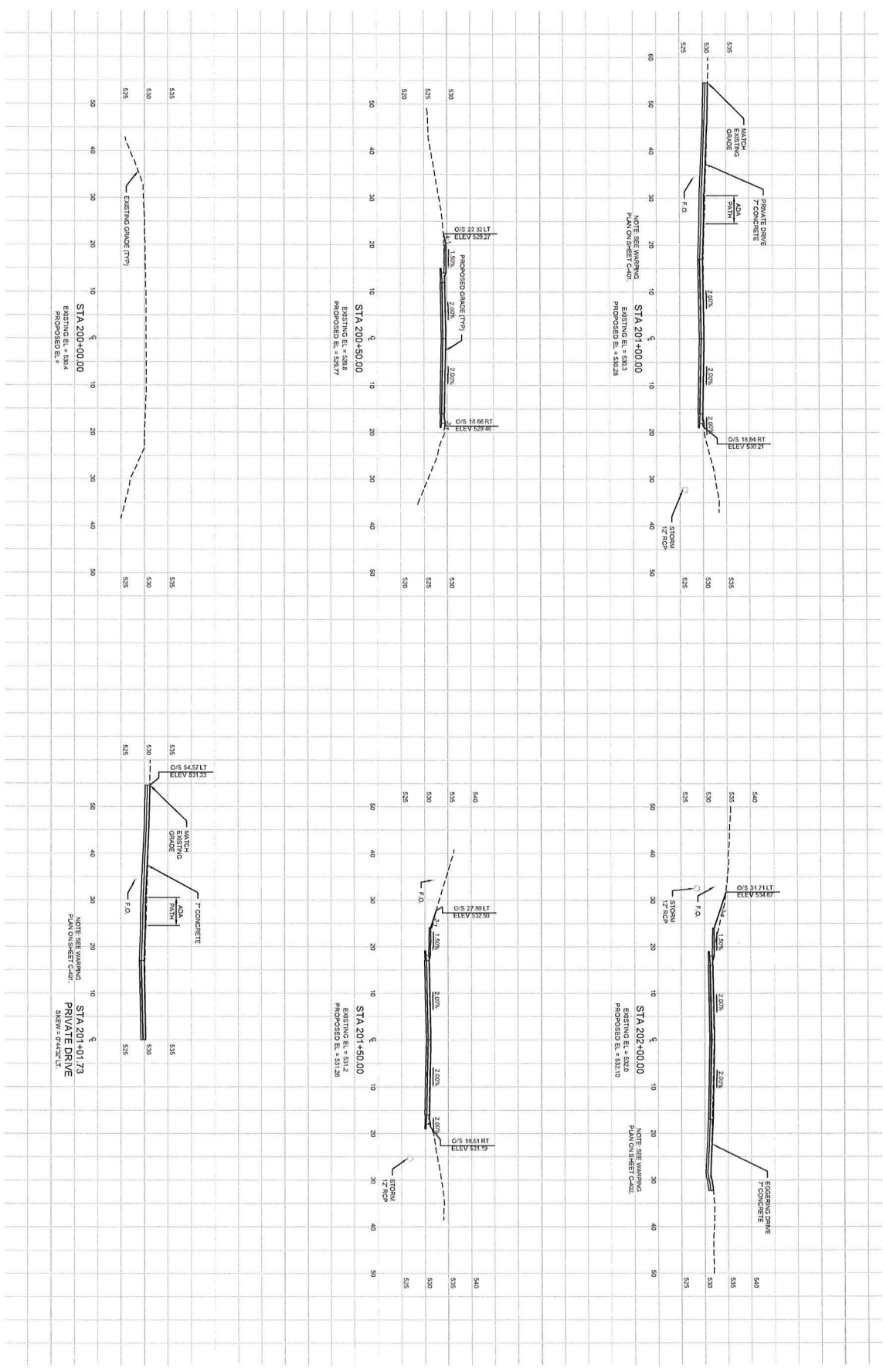
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 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFALLON, MISSOURI

CDG PROJECT NO.  
 23228

DRAWING NO.  
 C-204

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1/1/2024 10:00:00 AM  
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 06/28/2024 10:00:00 AM



**CROSS SECTIONS**  
 SCALE: 1" = 4'  
 PLOT SCALE FACTOR: 0.3

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REV.	DATE	DESCRIPTION	APPROVED
A	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO

CDG PROJECT NO. 23228  
 DRAWING NO. C-301

CROSS SECTIONS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERY DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

ROBERT HEBERTY  
 ENGINEER  
 JUN 28 2024





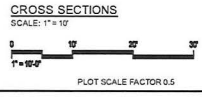
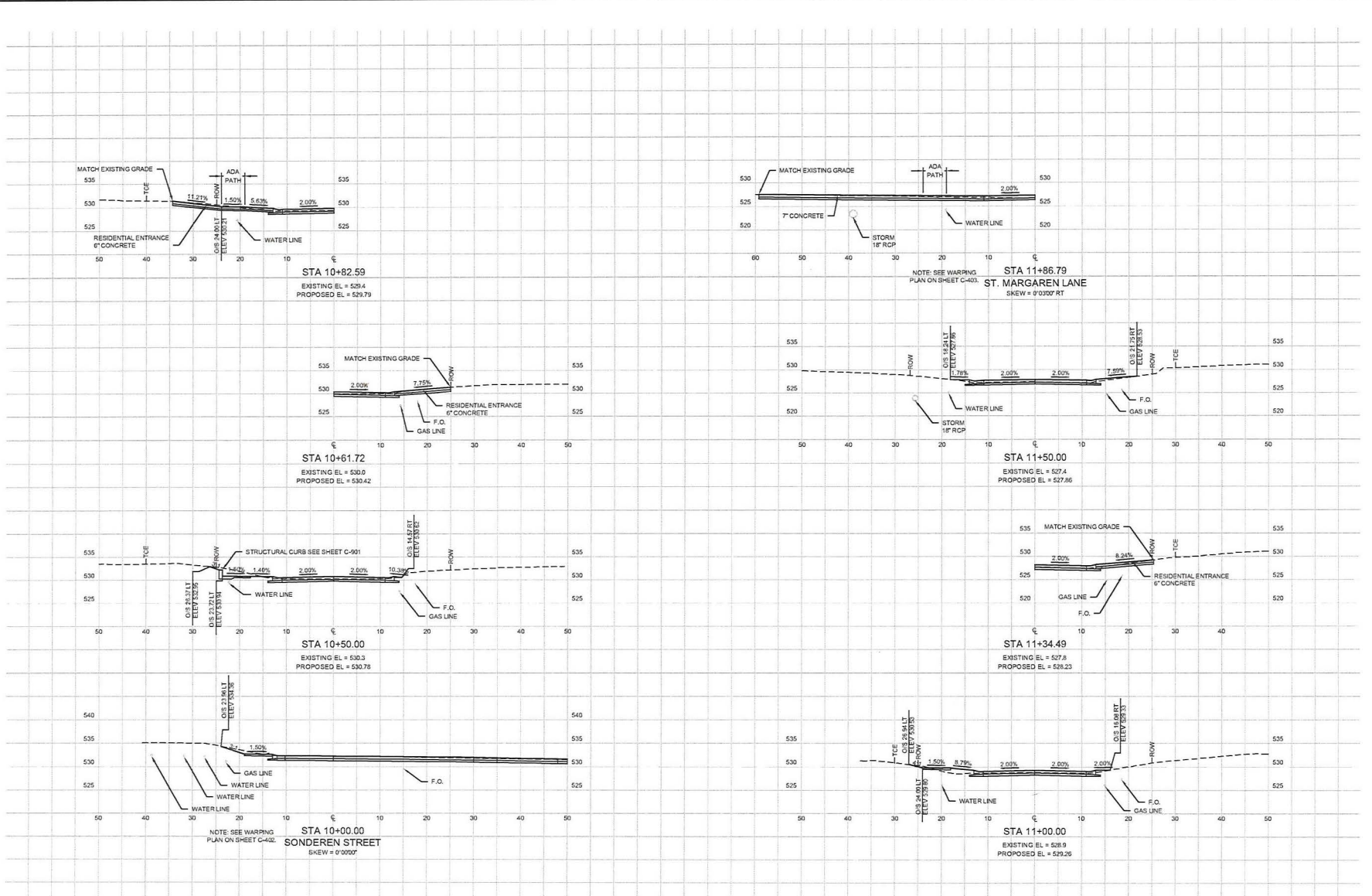
KEVIN THOMAS FOY  
 CIVIL ENGINEER  
 PE-031700005

Kohhaughnessy  
 June 28, 2024

CROSS SECTIONS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFFALLO, MISSOURI

CDG PROJECT NO.  
 23228

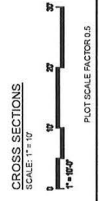
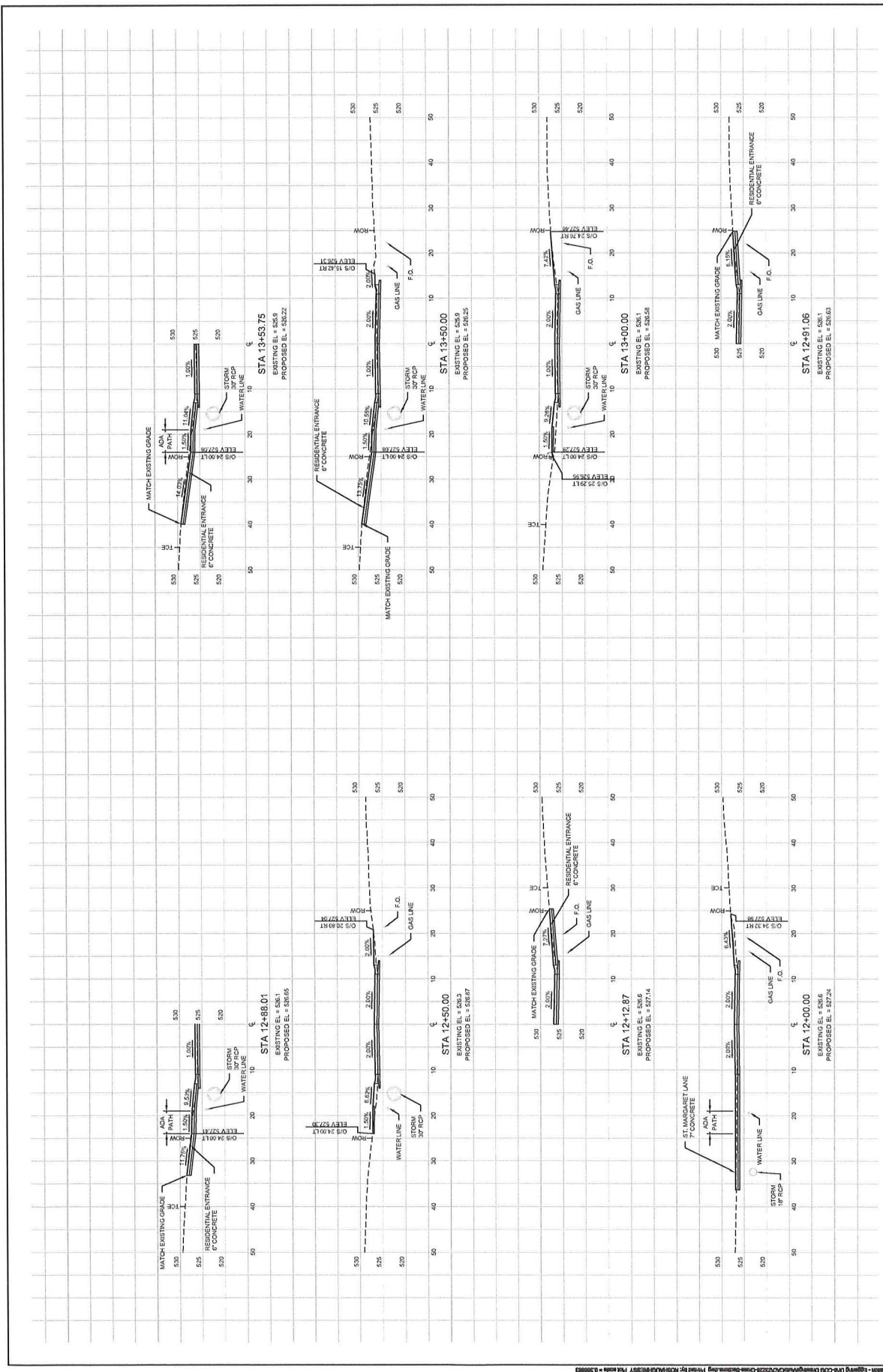
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REV.	DATE	DESCRIPTION	APPROVED
A	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO

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THE INFORMATION ON THIS DRAWING WAS PREPARED FROM THE BEST AVAILABLE INFORMATION AND DOES NOT NECESSARILY REFLECT THE ACTUAL EXISTING CONDITIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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 DATE: 06/28/2024  
 BY: A

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 RTO

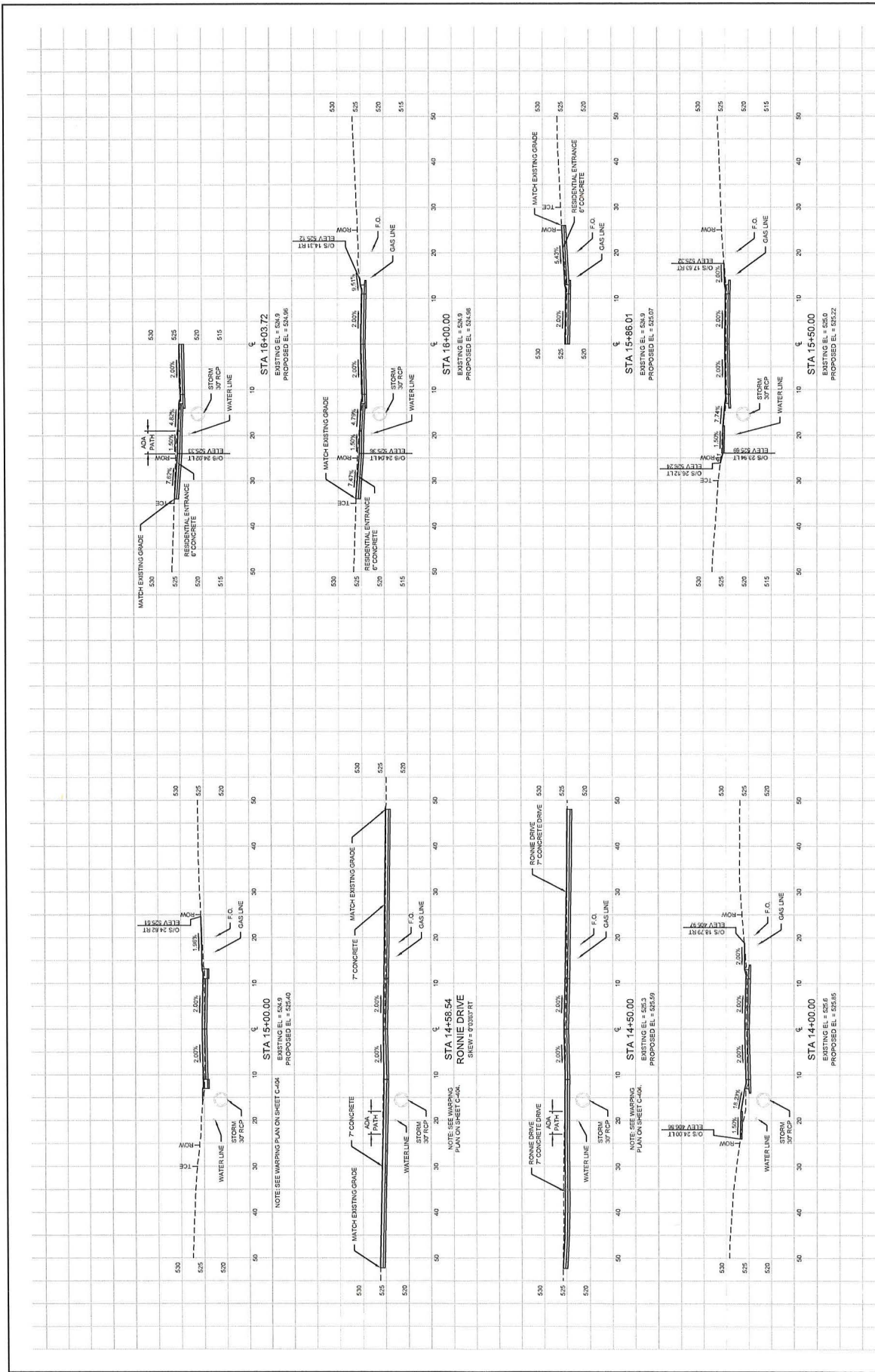


KERRY THOMAS, P.E.
   
 CIVIL ENGINEER
   
 LICENSE NO. 100000000

DATE: 06/28/2024
   
 PROJECT: 23228

CROSS SECTIONS
   
 FEDERAL PROJECT NO. STBG-9901(672)
   
 ENGINEERING DRIVE RECONSTRUCTION
   
 CITY OF FALLON, MISSOURI

CDG PROJECT NO. 23228
   
 DRAWING NO. C-304

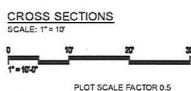
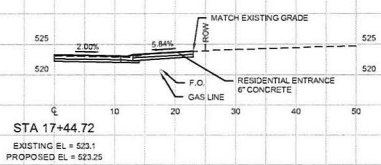
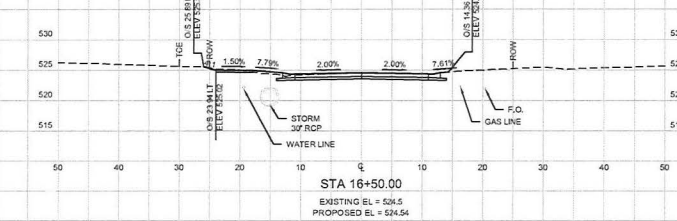
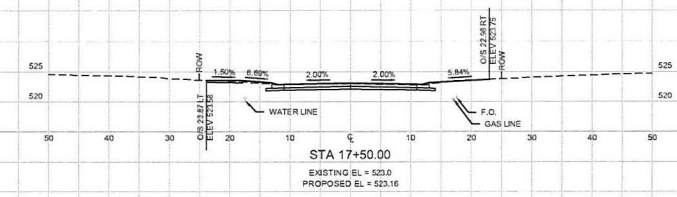
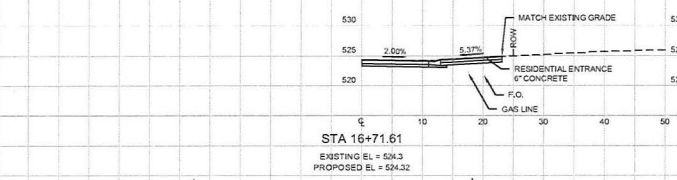
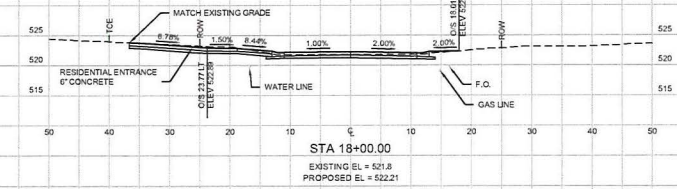
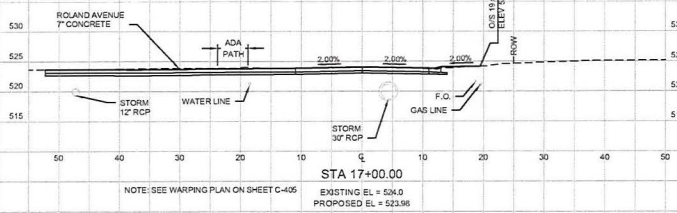
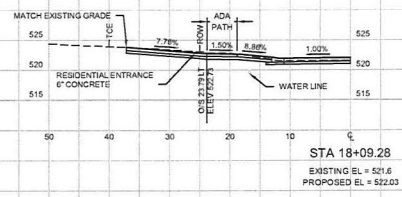
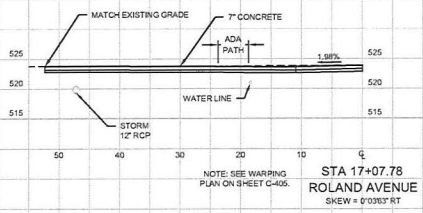


**CROSS SECTIONS**  
 SCALE: 1" = 10'  
 0 10 20 30 40 50 60 70 80 90 100  
 1" = 100'  
 PLOT SCALE FACTOR: 1.5

NOTE: THE INFORMATION ON THESE DRAWINGS WERE DERIVED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, DIMENSIONS, SIZE, TYPE, NUMBER, OR LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES AND LOCATING THE UTILITIES IN THE FIELD PRIOR TO ANY EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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 DATE: 06/28/2024  
 BY: KTO

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 KOSHAUGHNESSY 06/28/24 10:12



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REV.	DATE	DESCRIPTION	APPROVED
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KEVIN THOMAS FOY  
 O'SHAUGHNESSY  
 PE-001700000

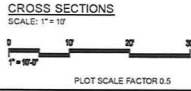
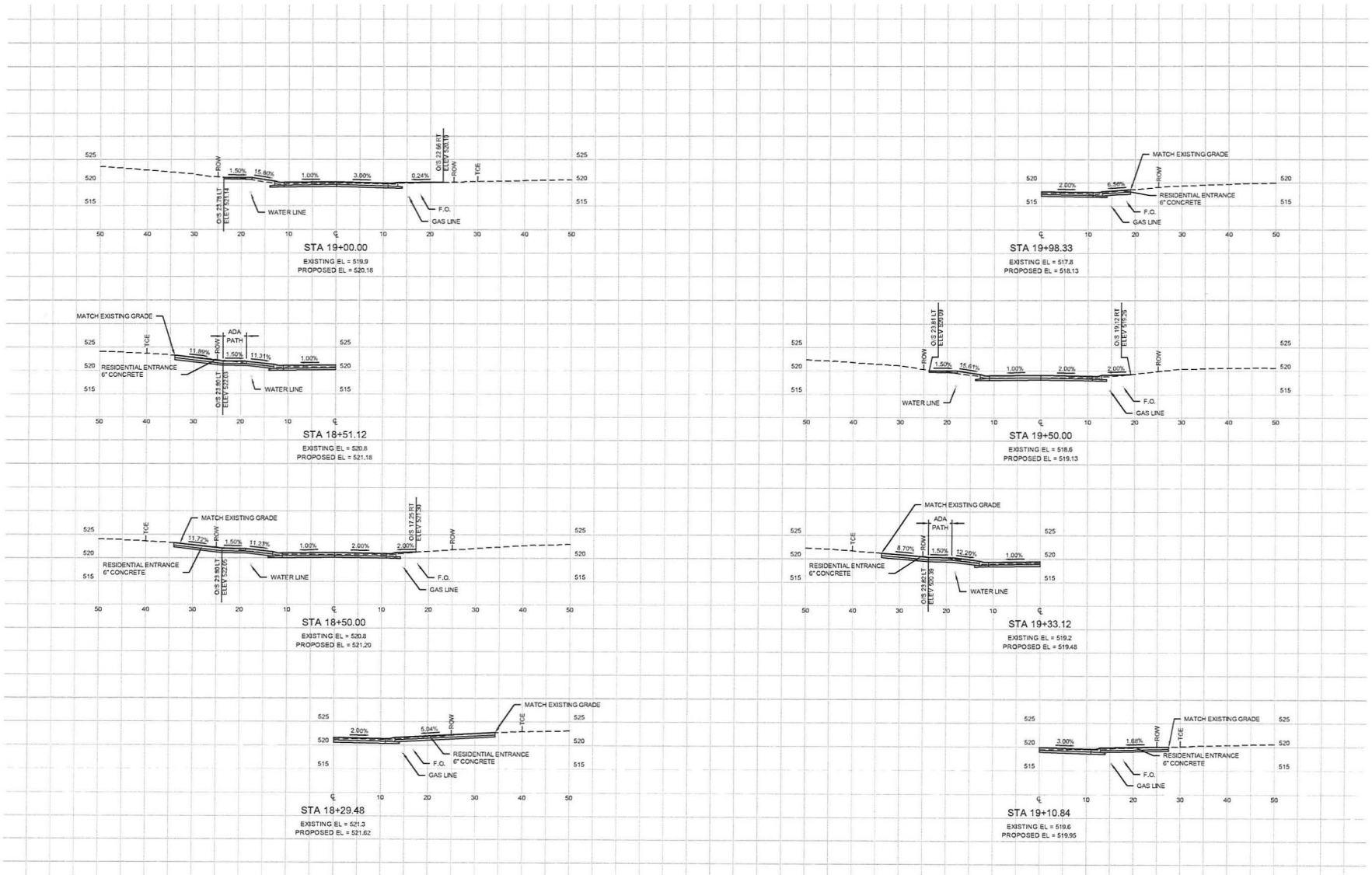
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 June 28, 2024

CROSS SECTIONS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
 23228

DRAWING NO.  
 C-305

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REV.	DATE	DESCRIPTION	APPROVED
A	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO

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KEVIN THOMAS FOY  
Professional Engineer  
PE-021700045

Kobhaughnessy  
June 28, 2024

CROSS SECTIONS  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
C-306





KEVIN THOMAS FORD  
 O'SHAUGHNESSY  
 PE-001700000

Kevin Haughnessy  
 June 28, 2024

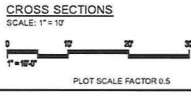
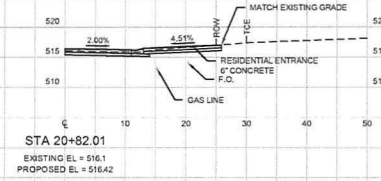
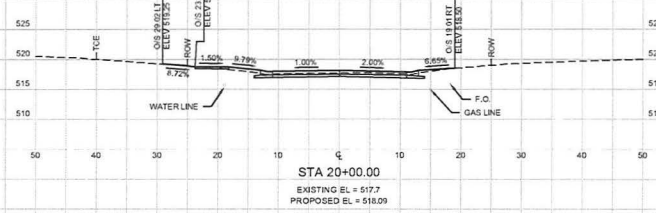
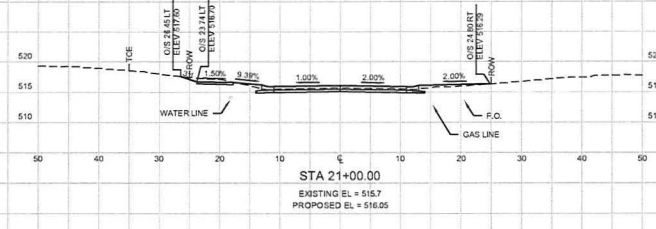
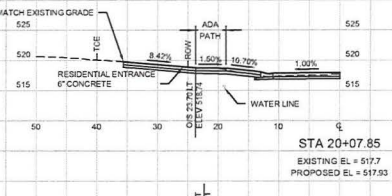
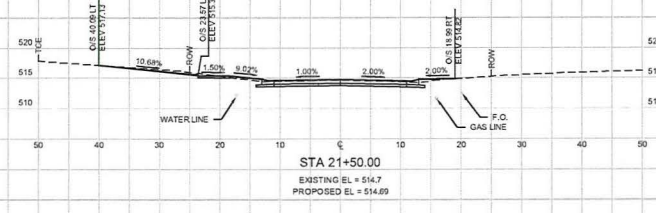
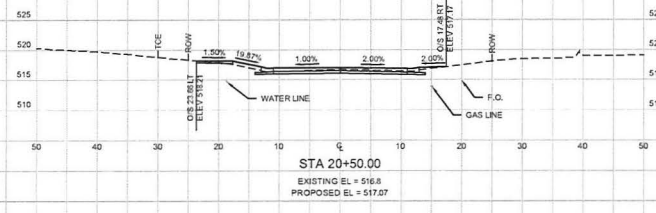
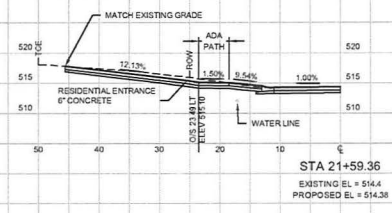
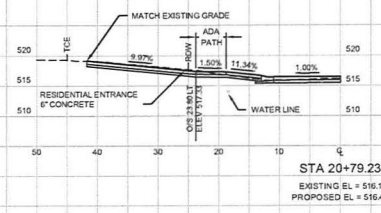
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 EGGER DRIVE RECONSTRUCTION  
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CDG PROJECT NO.

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DRAWING NO.

C-307

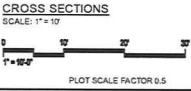
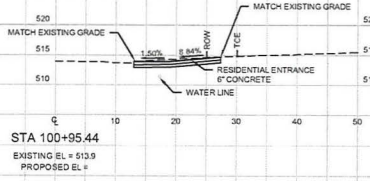
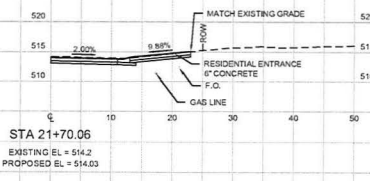
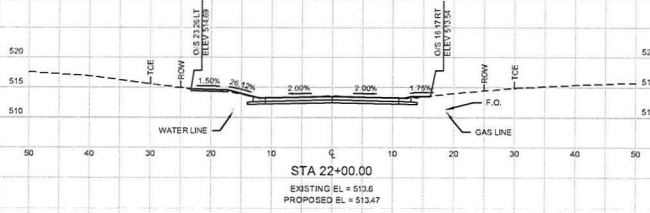
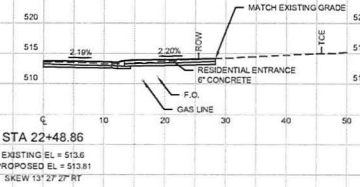
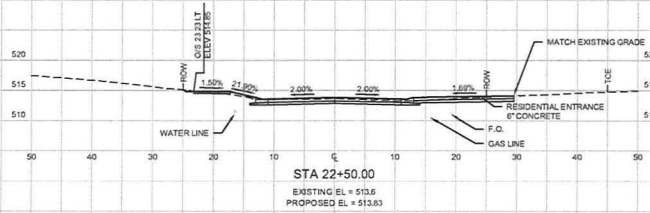


THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
A	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO

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REV.	DATE	DESCRIPTION	APPROVED
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KEVIN THOMAS FOY  
 O.S. 1814/1815  
 PE-201700046

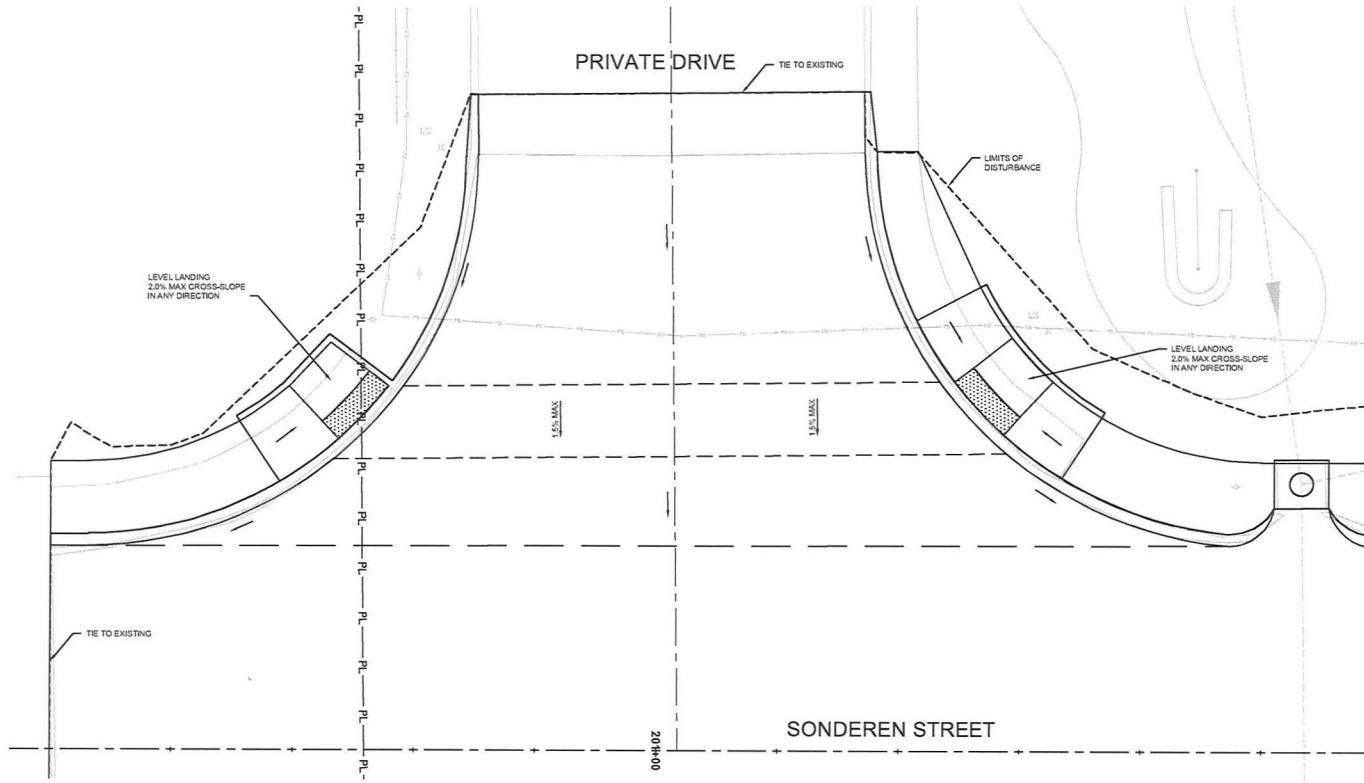
Kishbaughnessy  
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CROSS SECTIONS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

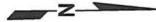
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**PRIVATE DRIVE WARPING PLAN**  
SCALE: 1" = 5'



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PLOT SCALE FACTOR 0.5

REV.	DATE	DESCRIPTION	APPROVED
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A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR



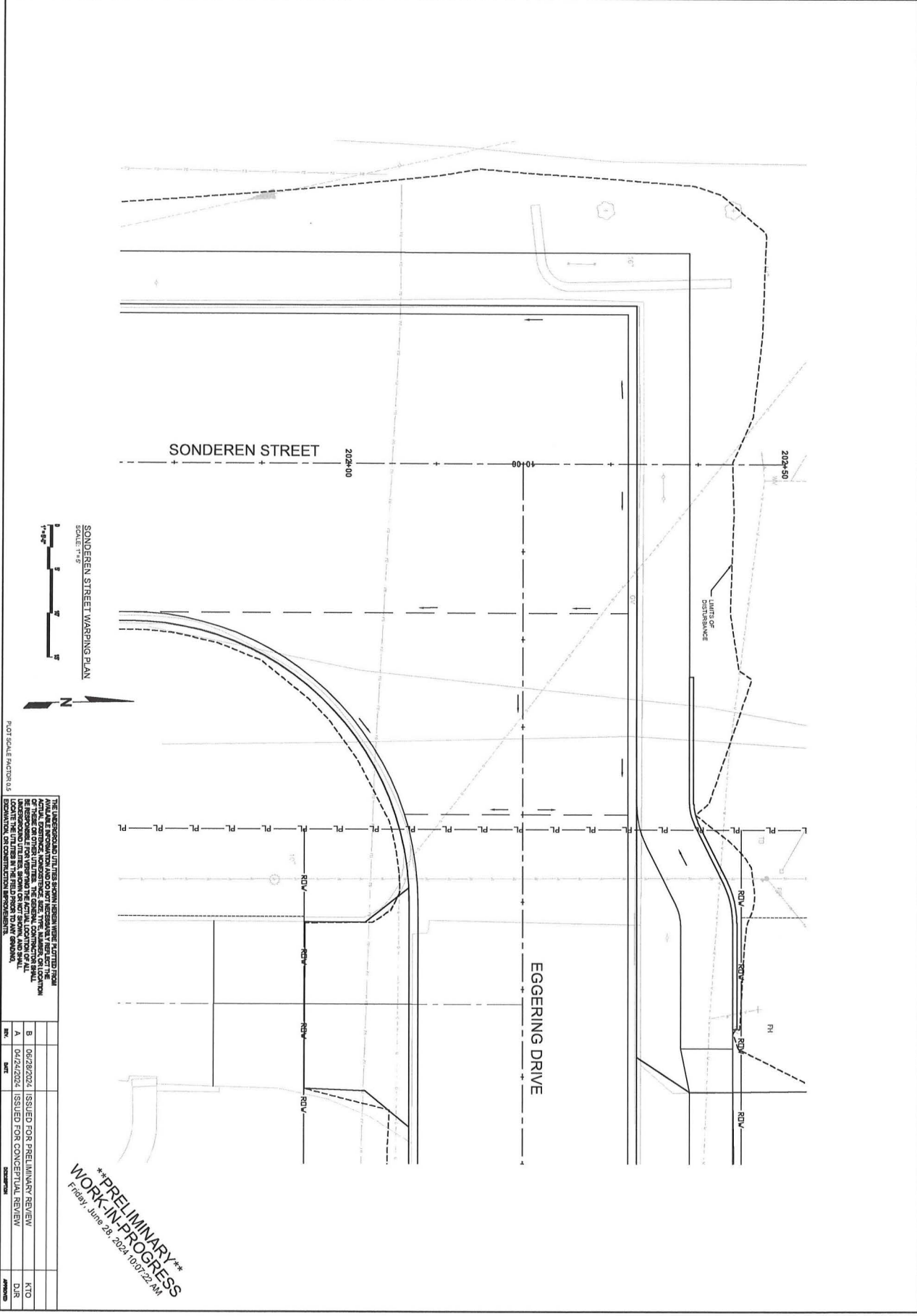
KEVIN THOMAS FOY  
OSHAUGHNESSY  
PE-201700205

Kts@cdgengineers.com  
June 27, 2024

WARPAGE PLANS  
FEDERAL PROJECT NO. STBG-9801(672)  
EGGING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

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23228

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C-401



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**WORK-IN-PROGRESS**  
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CDG PROJECT NO.  
23228

DRAWING NO.  
C-403

WARPIING PLANS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

DATE: 06/27/2024

DESIGNED BY: KCBALUK@PEBBY

CHECKED BY: KCBALUK@PEBBY

KEVIN THOMAS, Esq.  
 MISSOURI LICENSE # 054125683  
 PEPPER SWANSON, Esq.  
 MISSOURI LICENSE # 054125683

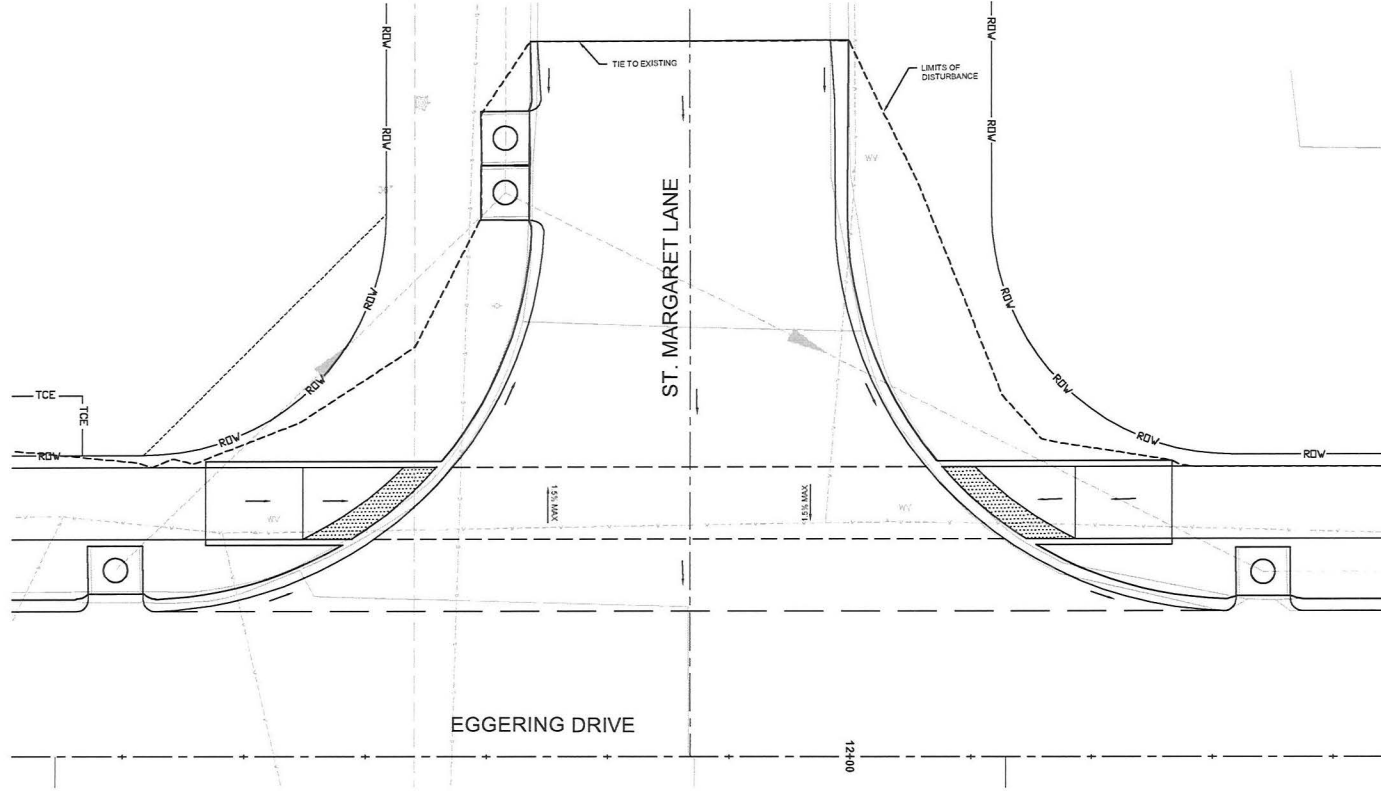


**CDG ENGINEERS**

One Campbell Plaza  
 St. Louis, Missouri 63139  
 Missouri State Certificate of Authority # 12174

T. 314 781 7770  
 F. 314 781 9776

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**SAINT MARGARET LANE WARPING PLAN**  
 SCALE: 1" = 50'



PLOT SCALE FACTOR 0.5

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE ORIGINAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
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KEVIN THOMAS FOY  
 O'SHAUGHNESSY  
 PE-201700046

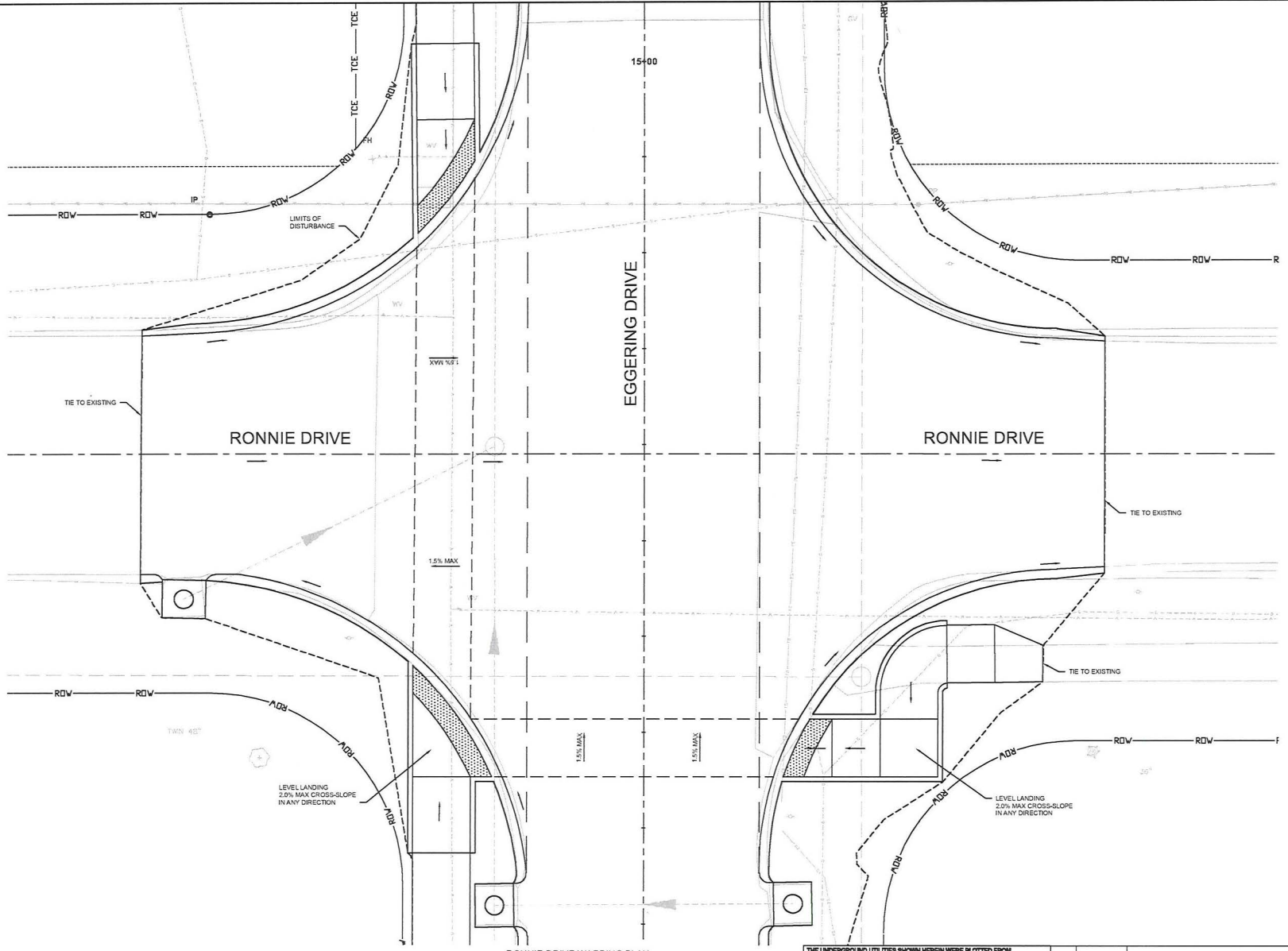
Kcs\jamesreissy  
 June 27, 2024

WARPING PLANS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFALLON, MISSOURI

CDG PROJECT NO.  
 23228

DRAWING NO.  
 C-403

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**RONNIE DRIVE WARPING PLAN**  
 SCALE: 1"=5'



PLOT SCALE FACTOR 0.5

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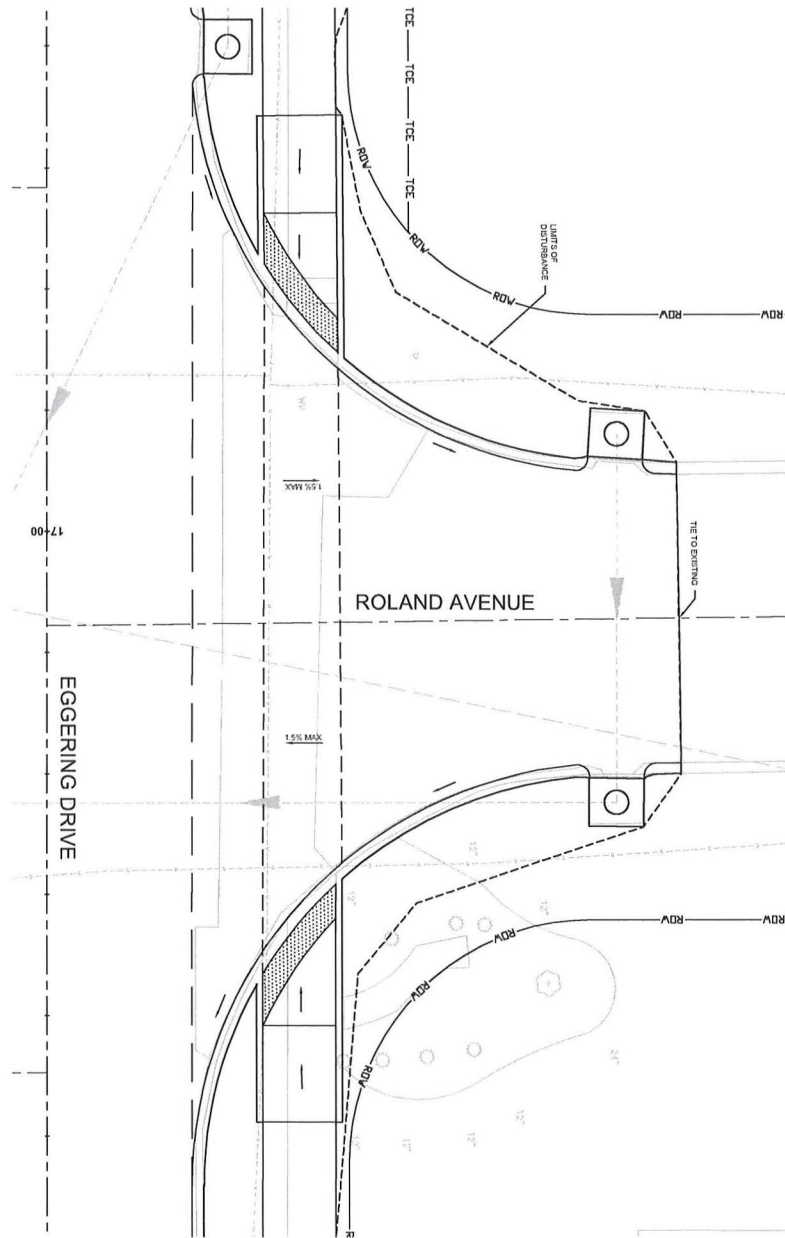


Kothaughnessy  
 June 27, 2024

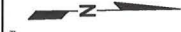
WARPING PLANS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFALLON, MISSOURI

CDG PROJECT NO.  
 23228

DRAWING NO.  
 C-404



ROLAND AVENUE WARPING PLAN  
SCALE: 1"=80'



PLOT SCALE FACTORS

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Friday, June 28, 2024 10:07:23 AM

CDG PROJECT NO.  
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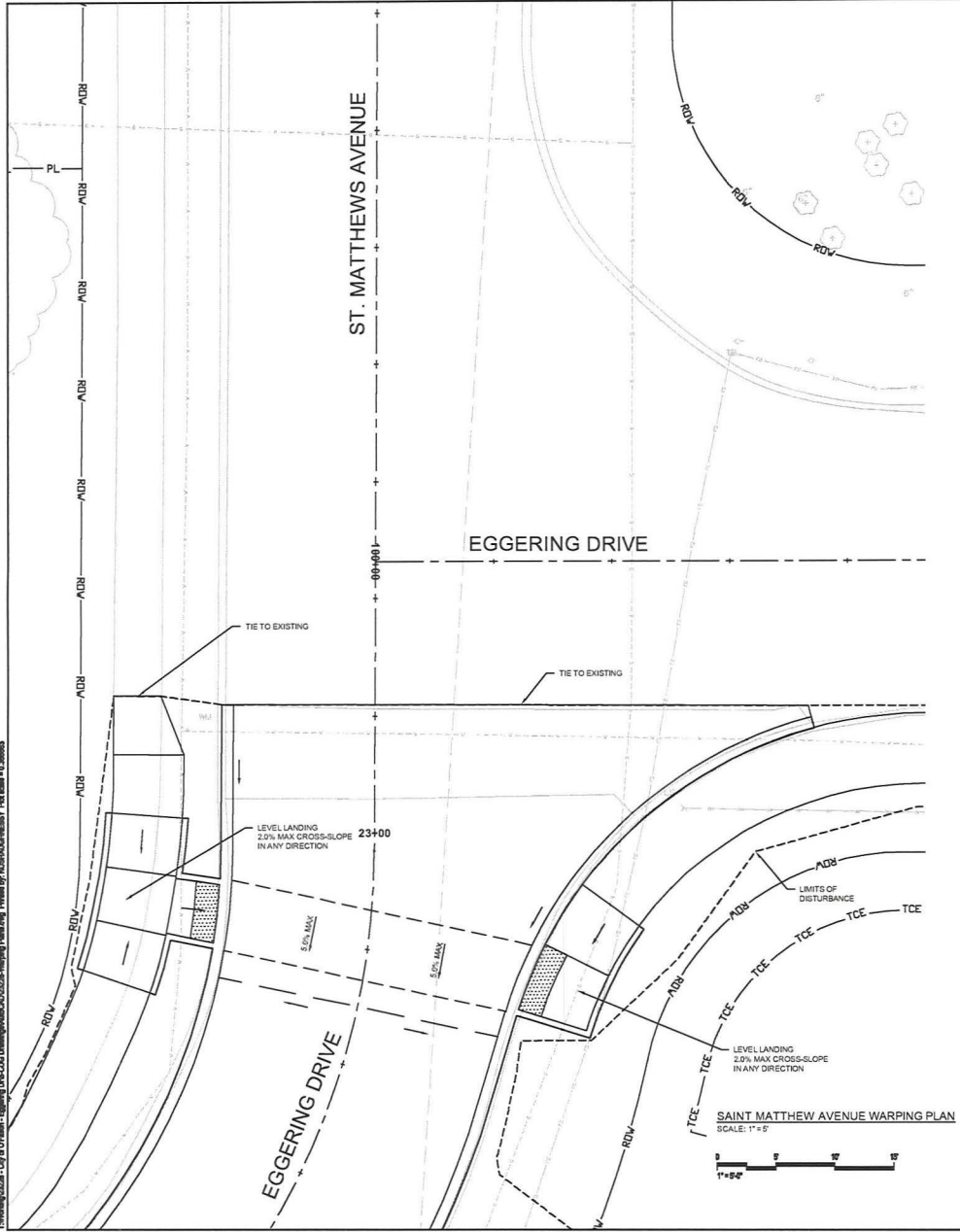
WARPING PLANS  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF FALLON, MISSOURI

DATE: 06/27/2024  
DRAWN BY: KOBALAKHRESBY  
CHECKED BY: KOBALAKHRESBY  
DESIGNED BY: KOBALAKHRESBY

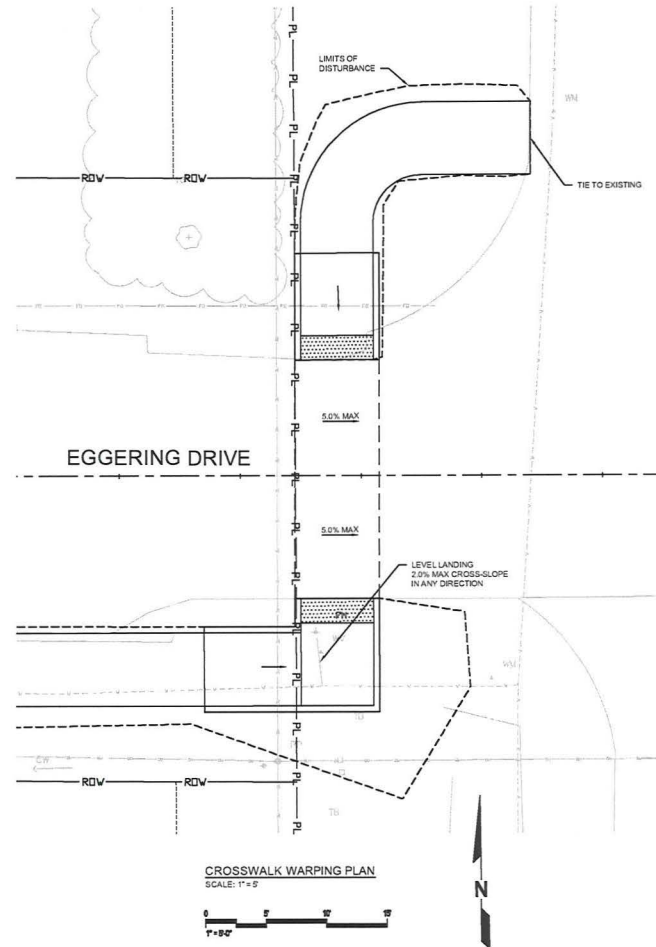


**CDG ENGINEERS**  
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W:\Projects\23228 - City of O'Fallon - Eggering Drive\Drawings\AutoCAD\23228-Warpage\Plan.dwg Plotted by: KTO/HA/24/06/2024 Plot scale = 1"=50'



PLOT SCALE FACTOR 0.5



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A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Friday, June 28, 2024 10:07:22 AM



KEVIN THOMAS FOY  
 O'SHAUGHNESSY  
 PE-001700046

O'Shaughnessy  
 June 27, 2024

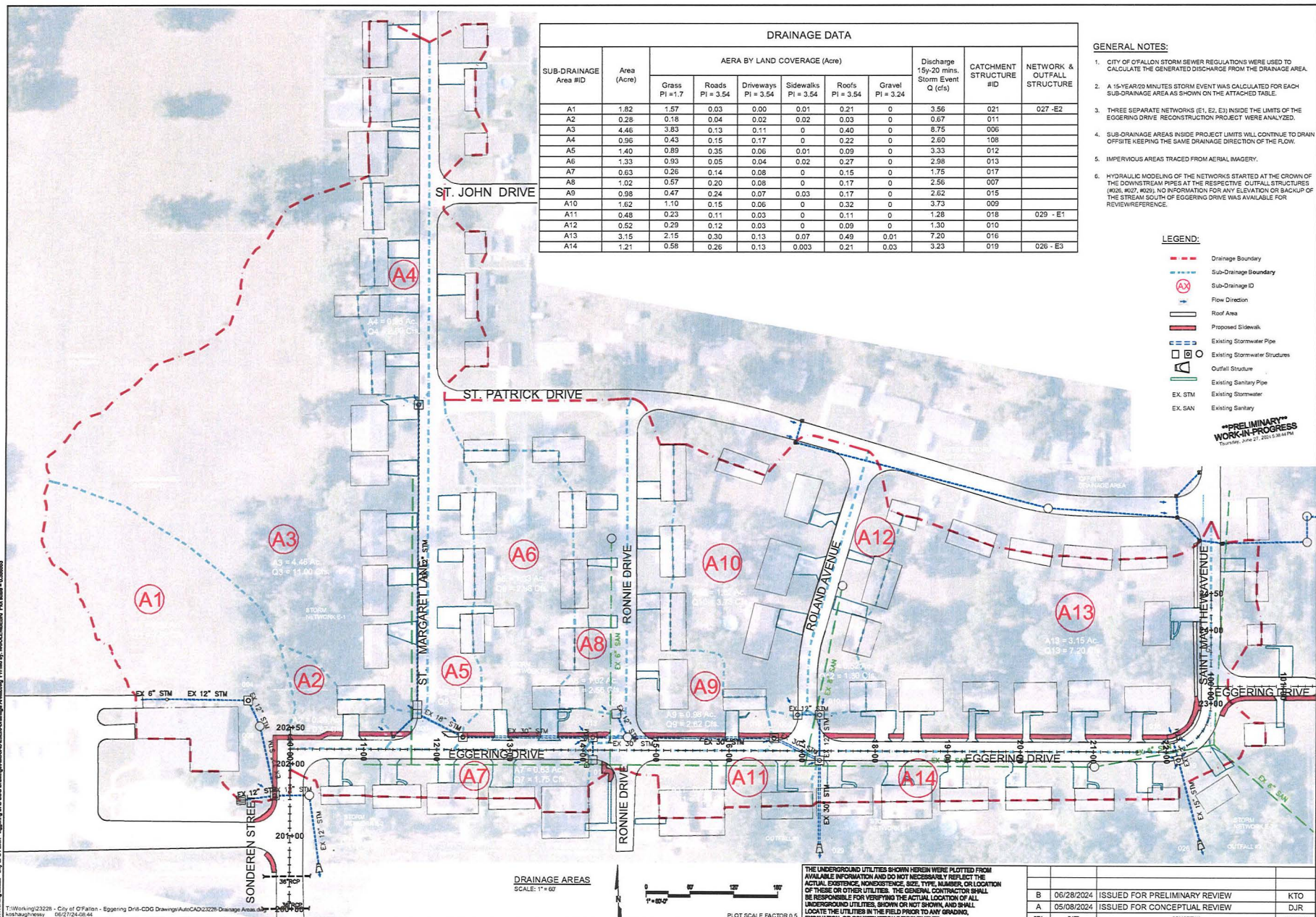
WARPAGE PLANS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF OFFALLOM, MISSOURI

CDP PROJECT NO.  
 23228

DRAWING NO.  
 C-406



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SUB-DRAINAGE Area #ID	Area (Acre)	AERA BY LAND COVERAGE (Acre)						Discharge 15yr-20 mins. Storm Event Q (cfs)	CATCHMENT STRUCTURE #ID	NETWORK & OUTFALL STRUCTURE
		Grass PI = 1.7	Roads PI = 3.54	Driveways PI = 3.54	Sidewalks PI = 3.54	Roofs PI = 3.54	Gravel PI = 3.24			
A1	1.82	1.57	0.03	0.00	0.01	0.21	0	3.56	021	027-E2
A2	0.28	0.18	0.04	0.02	0.02	0.03	0	0.67	011	
A3	4.46	3.83	0.13	0.11	0	0.40	0	8.75	006	
A4	0.96	0.43	0.15	0.17	0	0.22	0	2.60	108	
A5	1.40	0.89	0.35	0.06	0.01	0.09	0	3.33	012	
A6	1.33	0.93	0.05	0.04	0.02	0.27	0	2.98	013	
A7	0.63	0.26	0.14	0.08	0	0.15	0	1.75	017	
A8	1.02	0.57	0.20	0.08	0	0.17	0	2.56	007	
A9	0.98	0.47	0.24	0.07	0.03	0.17	0	2.62	015	
A10	1.62	1.10	0.15	0.06	0	0.32	0	3.73	009	
A11	0.48	0.23	0.11	0.03	0	0.11	0	1.28	018	029 - E1
A12	0.52	0.29	0.12	0.03	0	0.09	0	1.30	010	
A13	3.15	2.15	0.30	0.13	0.07	0.49	0.01	7.20	016	
A14	1.21	0.58	0.26	0.13	0.003	0.21	0.03	3.23	019	026 - E3

- GENERAL NOTES:**
- CITY OF O'FALLON STORM SEWER REGULATIONS WERE USED TO CALCULATE THE GENERATED DISCHARGE FROM THE DRAINAGE AREA.
  - A 15-YEAR/20 MINUTES STORM EVENT WAS CALCULATED FOR EACH SUB-DRAINAGE AREA AS SHOWN ON THE ATTACHED TABLE.
  - THREE SEPARATE NETWORKS (E1, E2, E3) INSIDE THE LIMITS OF THE EGGERING DRIVE RECONSTRUCTION PROJECT WERE ANALYZED.
  - SUB-DRAINAGE AREAS INSIDE PROJECT LIMITS WILL CONTINUE TO DRAIN OFFSITE KEEPING THE SAME DRAINAGE DIRECTION OF THE FLOW.
  - IMPERVIOUS AREAS TRACED FROM AERIAL IMAGERY.
  - HYDRAULIC MODELING OF THE NETWORKS STARTED AT THE CROWN OF THE DOWNSTREAM PIPES AT THE RESPECTIVE OUTFALL STRUCTURES (#026, #027, #029). NO INFORMATION FOR ANY ELEVATION OR BACKUP OF THE STREAM SOUTH OF EGGERING DRIVE WAS AVAILABLE FOR REVIEW/REFERENCE.

- LEGEND:**
- Drainage Boundary
  - - - Sub-Drainage Boundary
  - ⊗ Sub-Drainage ID
  - Flow Direction
  - ▭ Roof Area
  - ▭ Proposed Sidewalk
  - ▭ Existing Stormwater Pipe
  - ▭ Existing Stormwater Structures
  - ▭ Outfall Structure
  - ▭ Existing Sanitary Pipe
  - EX STM Existing Stormwater
  - EX SAN Existing Sanitary

**PRELIMINARY WORK-IN-PROGRESS**  
Thursday, June 27, 2024 10:44 AM

**DRAINAGE AREAS**  
SCALE: 1" = 40'



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REV.	DATE	DESCRIPTION	APPROVED
B	06/28/2024	ISSUED FOR PRELIMINARY REVIEW	KTO
A	05/09/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR



KEVIN THOMAS FOY  
OSHAUGHNESSY  
PE-031700000

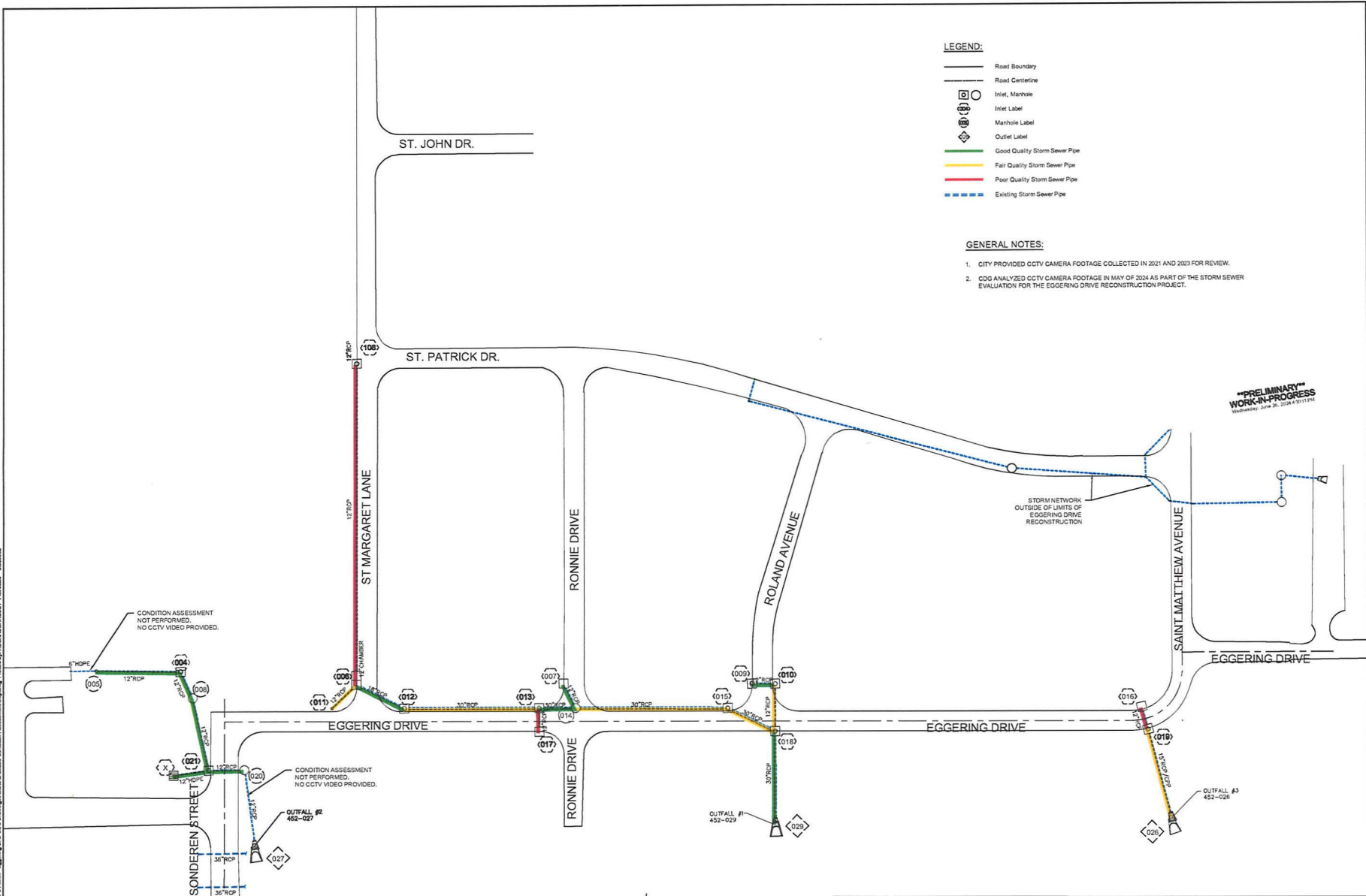
Model/beta  
June 26, 2024

**DRAINAGE AREAS**  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
C-501

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- LEGEND:**
- Road Boundary
  - Road Centerline
  - Inlet, Manhole
  - Inlet Label
  - Manhole Label
  - Outlet Label
  - Good Quality Storm Sewer Pipe
  - Fair Quality Storm Sewer Pipe
  - Poor Quality Storm Sewer Pipe
  - - - Existing Storm Sewer Pipe

- GENERAL NOTES:**
- CITY PROVIDED CCTV CAMERA FOOTAGE COLLECTED IN 2021 AND 2023 FOR REVIEW.
  - CDG ANALYZED CCTV CAMERA FOOTAGE IN MAY OF 2024 AS PART OF THE STORM SEWER EVALUATION FOR THE EGGERING DRIVE RECONSTRUCTION PROJECT.

**CONDITION ASSESSMENT MAP**  
SCALE: 1"=40'



THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

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A	05/08/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR

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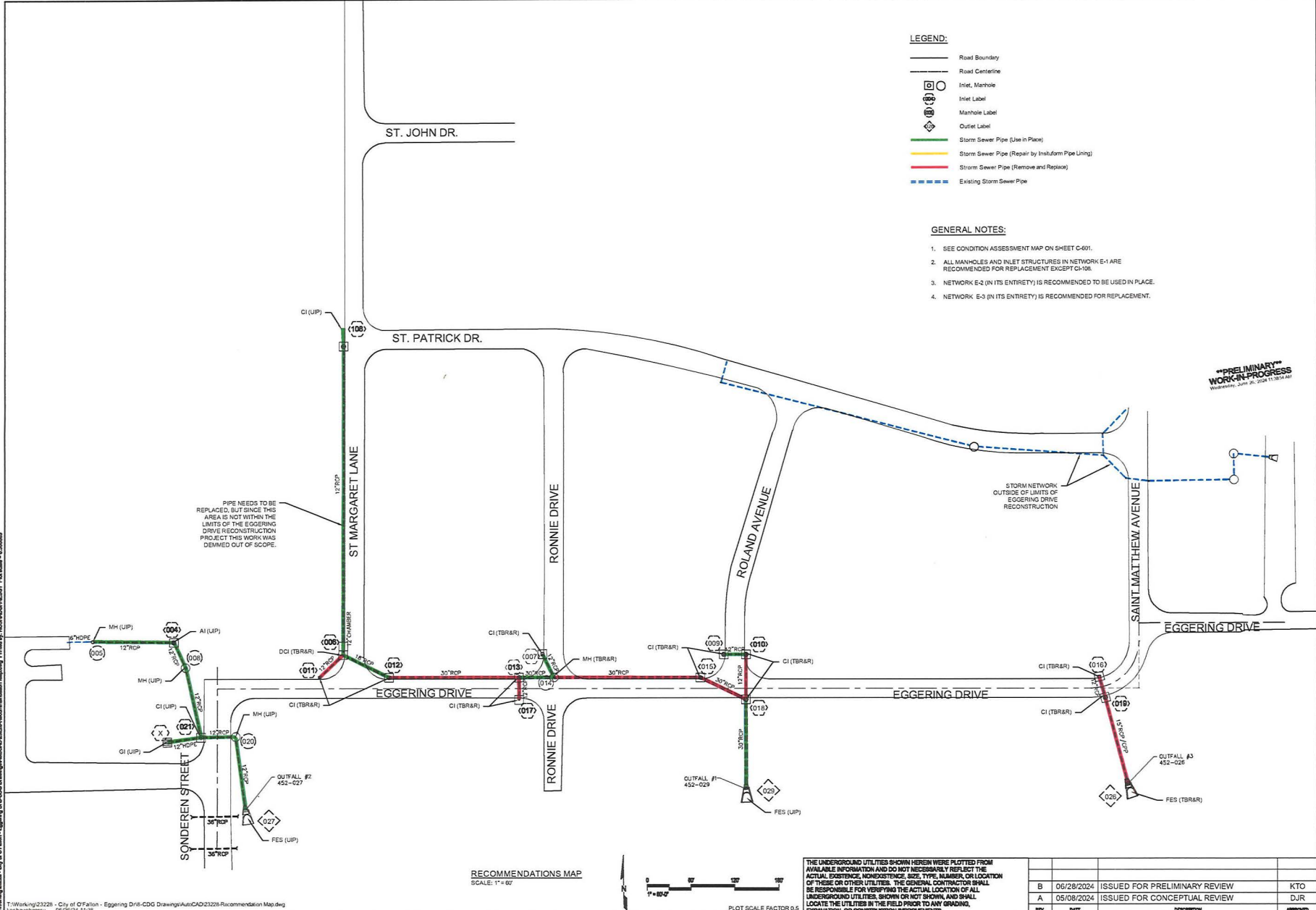


KEVIN THOMAS FOY  
Professional Engineer  
PE-2017000549  
Koshkaughnessy  
June 26, 2024

CONDITION ASSESSMENT MAP  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
C-601



- LEGEND:**
- Road Boundary
  - Road Centerline
  - Inlet, Manhole
  - Inlet Label
  - Manhole Label
  - Outlet Label
  - Storm Sewer Pipe (Use in Place)
  - Storm Sewer Pipe (Repair by In-situ Form Pipe Lining)
  - Storm Sewer Pipe (Remove and Replace)
  - - - Existing Storm Sewer Pipe

- GENERAL NOTES:**
1. SEE CONDITION ASSESSMENT MAP ON SHEET C-601.
  2. ALL MANHOLES AND INLET STRUCTURES IN NETWORK E-1 ARE RECOMMENDED FOR REPLACEMENT EXCEPT C-108.
  3. NETWORK E-2 (IN ITS ENTIRETY) IS RECOMMENDED TO BE USED IN PLACE.
  4. NETWORK E-3 (IN ITS ENTIRETY) IS RECOMMENDED FOR REPLACEMENT.

**\*\*PRELIMINARY\*\*  
WORK-IN-PROGRESS**  
Wednesday, June 26, 2024 11:28:46 AM

PIPE NEEDS TO BE REPLACED, BUT SINCE THIS AREA IS NOT WITHIN THE LIMITS OF THE EGGERING DRIVE RECONSTRUCTION PROJECT THIS WORK WAS OMITTED OUT OF SCOPE.

STORM NETWORK OUTSIDE OF LIMITS OF EGGERING DRIVE RECONSTRUCTION

CUTFALL #3  
452-026

**RECOMMENDATIONS MAP**  
SCALE: 1" = 60'



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A	05/08/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR

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 koshkaughnessey



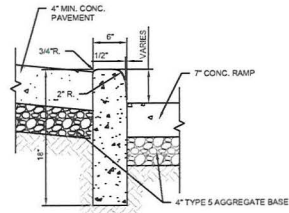
KEVIN THOMAS FOY  
OSHAUGHNESSEY  
PE-001700066

Koshkaughnessey  
May 8, 2024

RECOMMENDATIONS MAP  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF OFALLON, MISSOURI

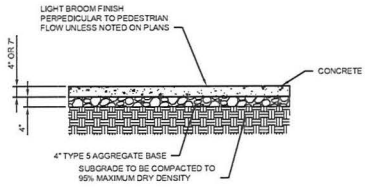
CDG PROJECT NO.  
23228

DRAWING NO.  
C-602



NOTE: EXPANSION JOINTS TO MATCH SIDEWALK CAULK JOINT

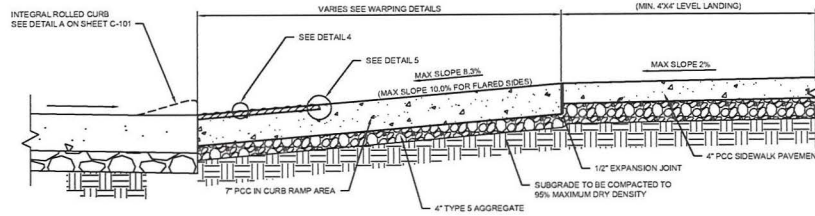
**CONCRETE CURB RAMP CURBING (TYP.)**  
SCALE: NTS



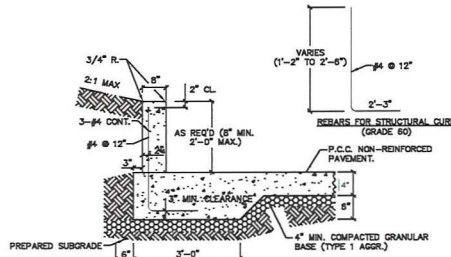
**CONCRETE SIDEWALK PAVEMENT**  
SCALE: NTS

**KEYED NOTES:**

- 1 RAMP LENGTH REQUIRED TO MAINTAIN MAXIMUM 8.3% SLOPE
- 2 CROSS WALK SHALL MAINTAIN 1.5% MAXIMUM CROSS SLOPE
- 3 PROPOSED SIDEWALK TO MATCH EXISTING SIDEWALK ELEVATION AT NEAREST JOINT TO LOCATION SHOWN

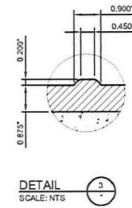


**CONCRETE CURB RAMP SECTION**  
SCALE: NTS

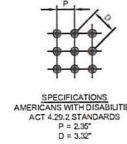


- NOTES:
- 1) CONCRETE SHALL BE CLASS "B".
  - 2) REINFORCING STEEL SHALL HAVE MIN. COVER, AS SHOWN.

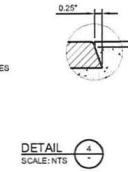
**STRUCTURAL CURB**  
SCALE: NTS



**DETAIL 1**  
SCALE: NTS



SPECIFICATIONS  
AMERICANS WITH DISABILITIES  
ACT 2.2.2 STANDARDS  
P = 2.25"  
G = 3.32"



**DETAIL 2**  
SCALE: NTS

**GENERAL NOTES:**

1. MAINTAIN PROPER DRAINAGE TOWARDS GUTTERS.
2. FINISH OF THE CONCRETE ADJACENT TO RAMP TO BE MAG FLOAT
3. FINISH OF CONCRETE ON RAMP HARPED PLANE TO BE LIGHT BROOM FINISH, PERPENDICULAR TO THE SLOPE OF THE RAMP.

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
Friday, June 28, 2024 1:48:16 PM

PLOT SCALE FACTOR 0.5

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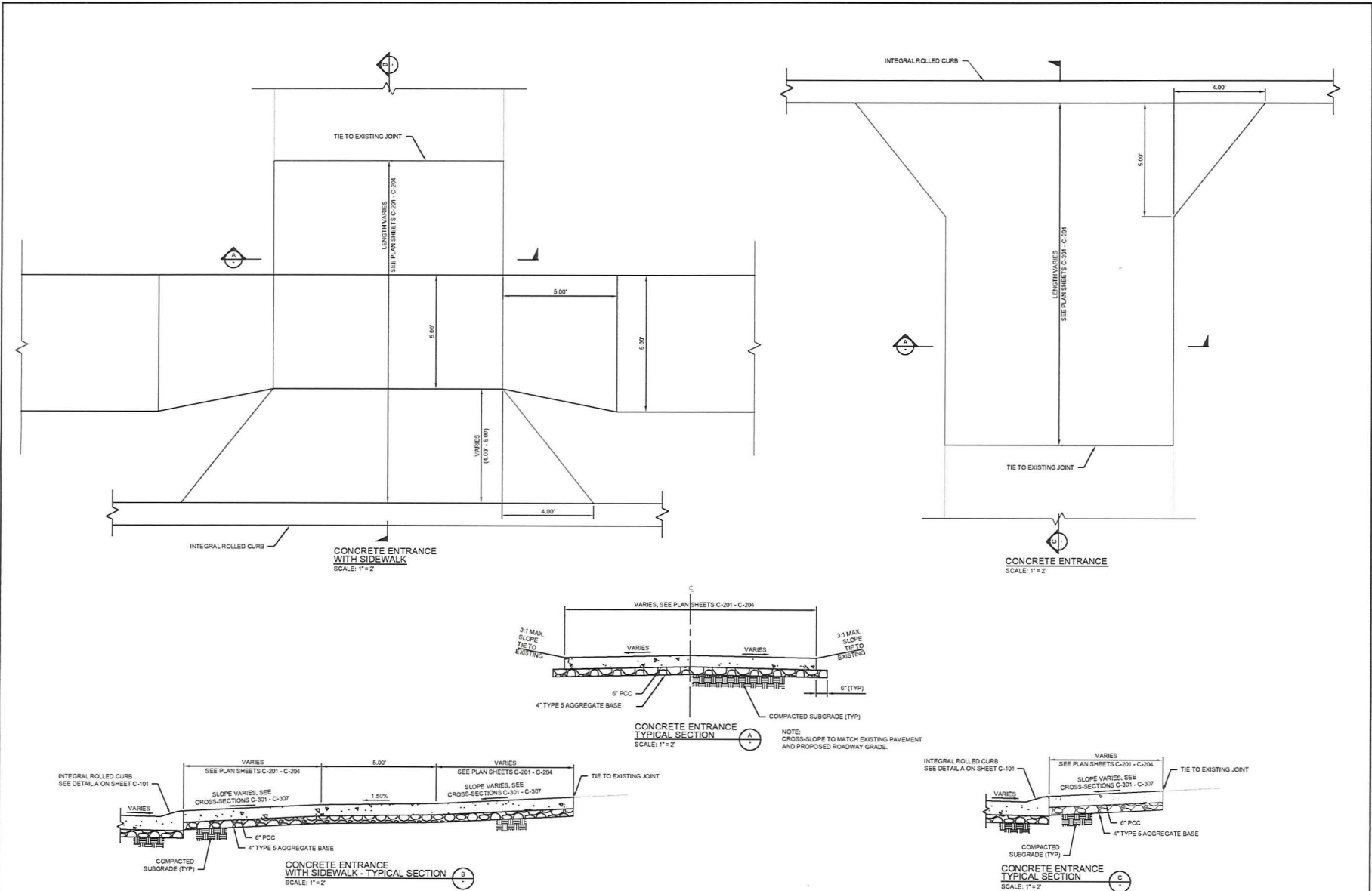
KEVIN THOMAS FOY  
C/S/SHAUGHNESSY  
PE-011700046

Mojoembell  
June 26, 2024

DETAILS  
FEDERAL PROJECT NO. STBG-9901(672)  
EGGERING DRIVE RECONSTRUCTION  
CITY OF OFALLON, MISSOURI

CDG PROJECT NO.  
23228

DRAWING NO.  
C-901



**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Friday, June 28, 2024 1:48:16 PM

PLOT SCALE FACTOR 0.5

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A	04/24/2024	ISSUED FOR CONCEPTUAL REVIEW	DJR

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 kishbaugh@emery 06/27/24 09:55



KEVIN THOMAS FOY  
 O'SHAUGHNESSY  
 PE-061700048

Maple/bsk  
 June 28, 2024

DETAILS  
 FEDERAL PROJECT NO. STBG-9901(672)  
 EGGERING DRIVE RECONSTRUCTION  
 CITY OF O'FALLON, MISSOURI

CDG PROJECT NO.  
 23228

DRAWING NO.  
 C-902