

DESIGN DESIGNATION	
BECKETT STREET	4TH & 5TH STREETS
2024 A.A.D.T. = N/A	2024 A.A.D.T. = 472
2044 A.A.D.T. = N/A	2044 A.A.D.T. = 576
V = 20 MPH	V = 20 MPH
FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR	FUNCTIONAL CLASSIFICATION = LOCAL ROAD

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," 2009 EDITION WITH REVISIONS 1 AND 2

CONVENTIONAL SYMBOLS
(USED IN PLANS)

BUILDINGS AND STRUCTURES

GUARD RAIL

CONCRETE RIGHT-OF-WAY MARKER

STEEL RIGHT-OF-WAY MARKER

LOCATION SURVEY MARKER

UTILITIES

FIBER OPTICS

OVERHEAD TELEPHONE

UNDERGROUND TELEPHONE

OVERHEAD POWER

UNDERGROUND POWER

GAS

WATER

CABLE TV

MANHOLE

FIRE HYDRANT

WATER VALVE

WATER METER

DROP INLET

DITCH BLOCK

GROUND MOUNTED SIGN

LIGHT POLE

H-FRAME POWER POLE

POWER POLE

GUY WIRE

TELEPHONE PEDESTAL

FENCE

CHAIN LINK

WOVEN WIRE

GATE POST

BENCHMARK

TEMPORARY CONSTRUCTION EASEMENT

DO NOT DISTURB

REMOVE

RELOCATE

REMOVE AND REPLACE

REMOVE AND RELOCATE

ADJUST TO GRADE

USE IN PLACE

TO BE ABANDONED

BY OTHERS

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

EXISTING

NEW

FO

UT

OE

UE

G

W

UTV

SAN

HYD

WV

WM

SIGN

PP

PED

V

X

BM

TCE

(DND)

(R)

(RELOC.)

(R & R)

(R & RELOC.)

(ATG)

(UIP)

(TBA)

(BO)



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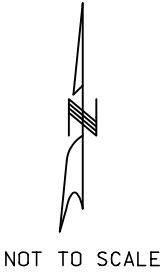
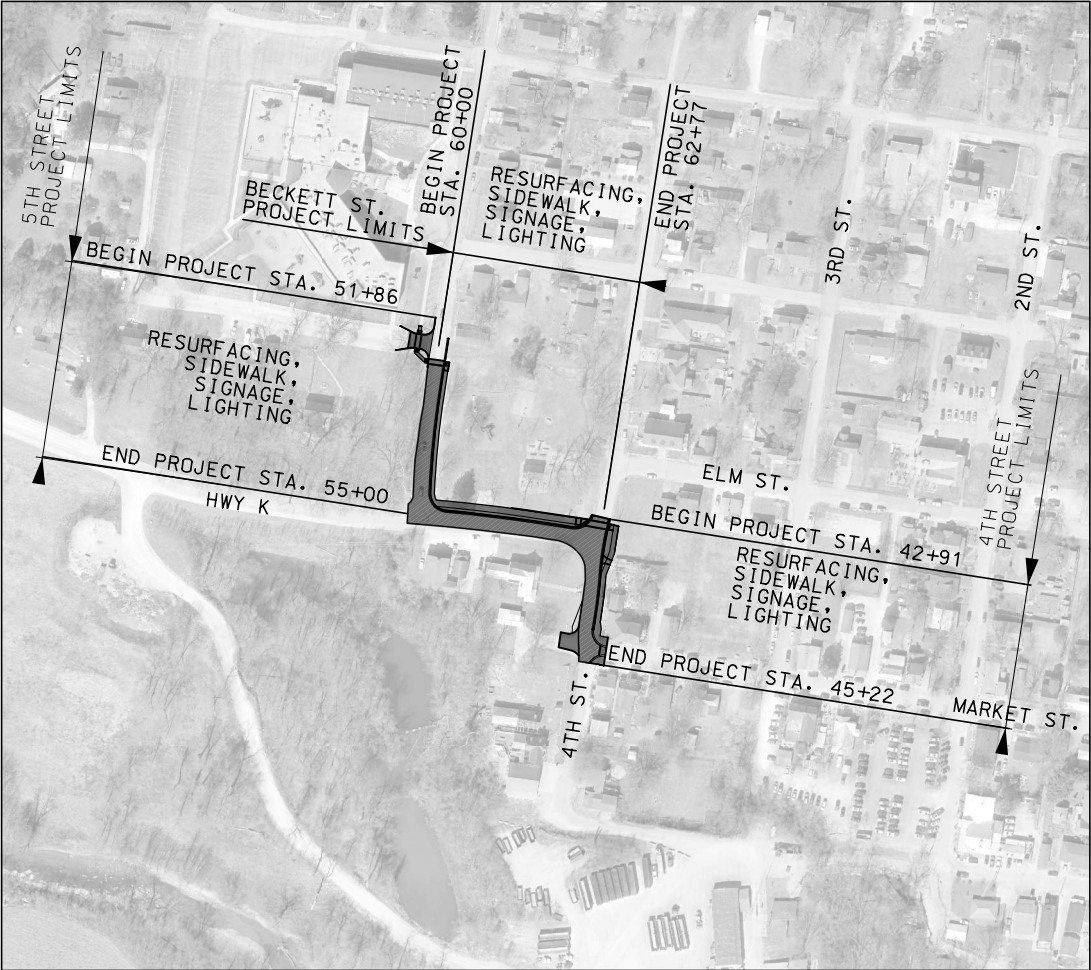
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THEY SHALL BE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

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

PRELIMINARY PLANS FOR
FIFTH STREET ACTIVE TRANSPORTATION
FEDERAL PROJECT NO. TAP-5445(613)

JEFFERSON COUNTY, MISSOURI
DANIEL NAUNHEIM, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS

OUTSIDE OF THE PUBLIC LAND SURVEY SYSTEM



APPROVED BY:
JEFFERSON COUNTY, MISSOURI

JASON JONAS, P.E., P.M.P.
DIRECTOR OF PUBLIC WORKS

DATE

INDEX OF SHEETS	
DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) -----	2
QUANTITY SHEETS (QU) (XX SHEETS)---	3
PLAN SHEETS (PS) -----	4-5
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REFERENCE POINTS (RP)-----	8
GEOMETRY & COORDINATE POINTS (CP)---	9
CROSS SECTIONS (XS)-----	1-14

UTILITIES

MCI:

DOMENIC NICASTRO

DOMENIC.NICASTRO@VERIZON.COM

(C) 636-459-1600

SPIRE:

BRIAN LANGENBACHER

BRIAN.LANGENBACHER@SPIREENERGY.COM

(C) 314-713-6572

PWSD #10:

KEITH FLAMM

PWSDTENJCG@GMAIL.COM

(O) 636-461-2578

(C) 314-623-7640

ROCK CREEK

JASON SEGER

JASONS@ROCKCREEKPSD.COM

(O) 636-461-2578

DISTRICT: (C) 636-633-0761

AMEREN:

CRAIG FOX

CFOX@AMEREN.COM

(O) 636-671-6134

(C) 636-376-7448

ATT-D:

HERBERT CONNERS

HC1549@ATT.COM

(C) 314-450-3316

CHARTER:

DON HATFIELD

DONALD.HATFIELD@CHARTER.COM

(C) 314-341-4450

LENGTH OF PROJECT	
BEGINNING OF PROJECT (5TH)	STA. 51+86
END OF PROJECT (5TH)	STA. 55+00
5TH ST. LENGTH	314 FEET
BEGINNING OF PROJECT (BECKETT)	STA. 60+00
END OF PROJECT (BECKETT)	STA. 62+77
BECKETT ST. LENGTH	277 FEET
BEGINNING OF PROJECT (4TH)	STA. 42+91
END OF PROJECT (4TH)	STA. 45+22
4TH ST. LENGTH	231 FEET
TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	822 FEET
STATE LENGTH	0.16 MILES

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DATE PREPARED
9/15/2023

STATE
MO

SHEET NO.
1

COUNTY
JEFFERSON

JOB NO.
TAP-5445(613)

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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 200
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

TITLE SHEET

KIMMSWICK GREAT STREETS PHASE 2

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

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DATE PREPARED	
9/15/2023	
STATE	SHEET NO.
MO	2
COUNTY	
JEFFERSON	
JOB NO.	
TAP-5445 (613)	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

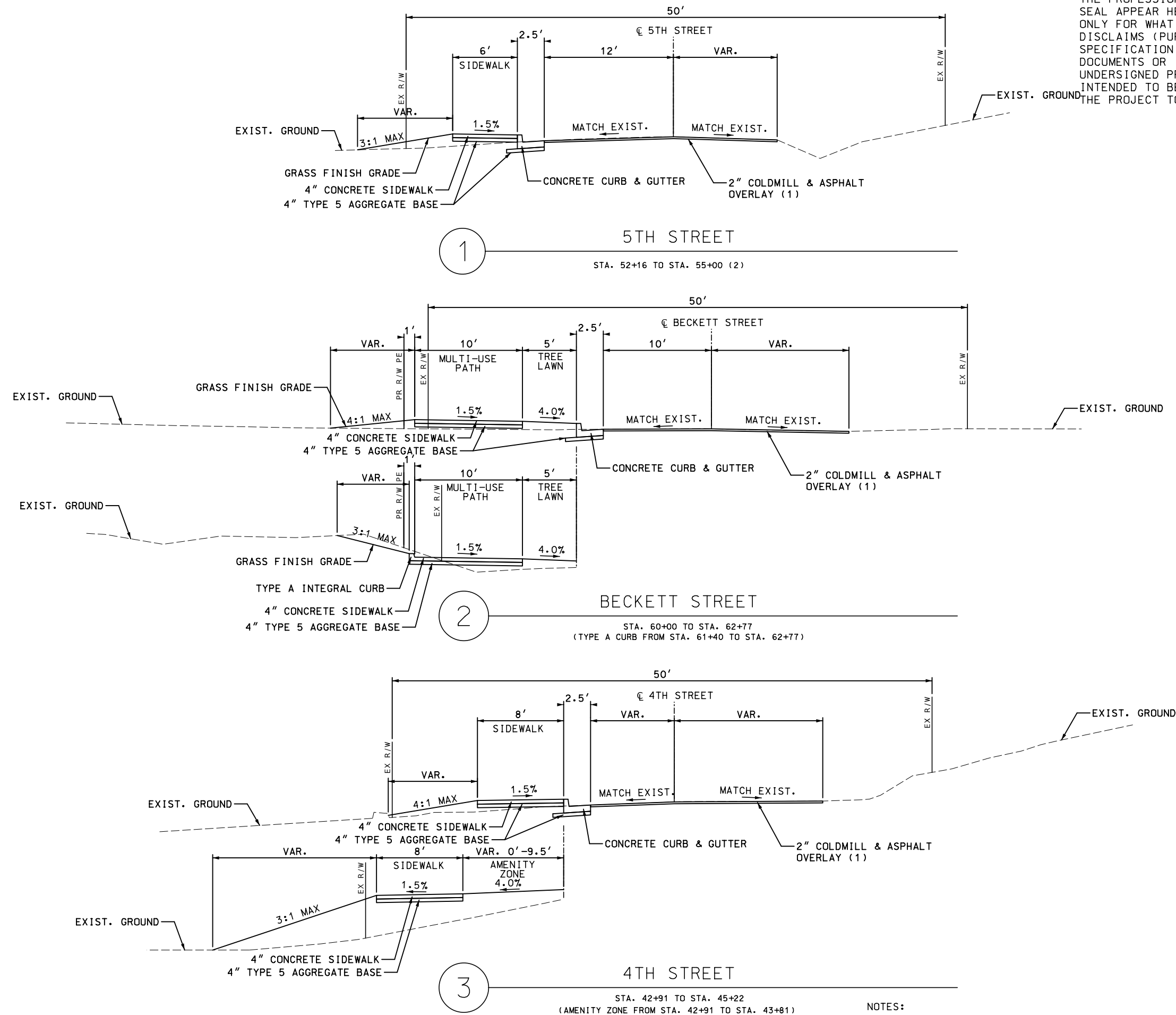
DATE	DESCRIPTION

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TYPICAL SECTIONS
SHEET 1 OF 1
KIMMSWICK GREAT
STREETS PHASE 2



- NOTES:
- (1) VARY COLDMILL AND ASPHALT OVERLAY AS NEEDED TO ACHIEVE CROSS SLOPE CORRECTION.
 - (2) CURB AND GUTTER ONLY FROM STATION 52+16 TO STA. 52+53

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DATE PREPARED	
9/15/2023	
STATE	SHEET NO.
MO	4
COUNTY	
JEFFERSON	
JOB NO.	
TAP-5445 (613)	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

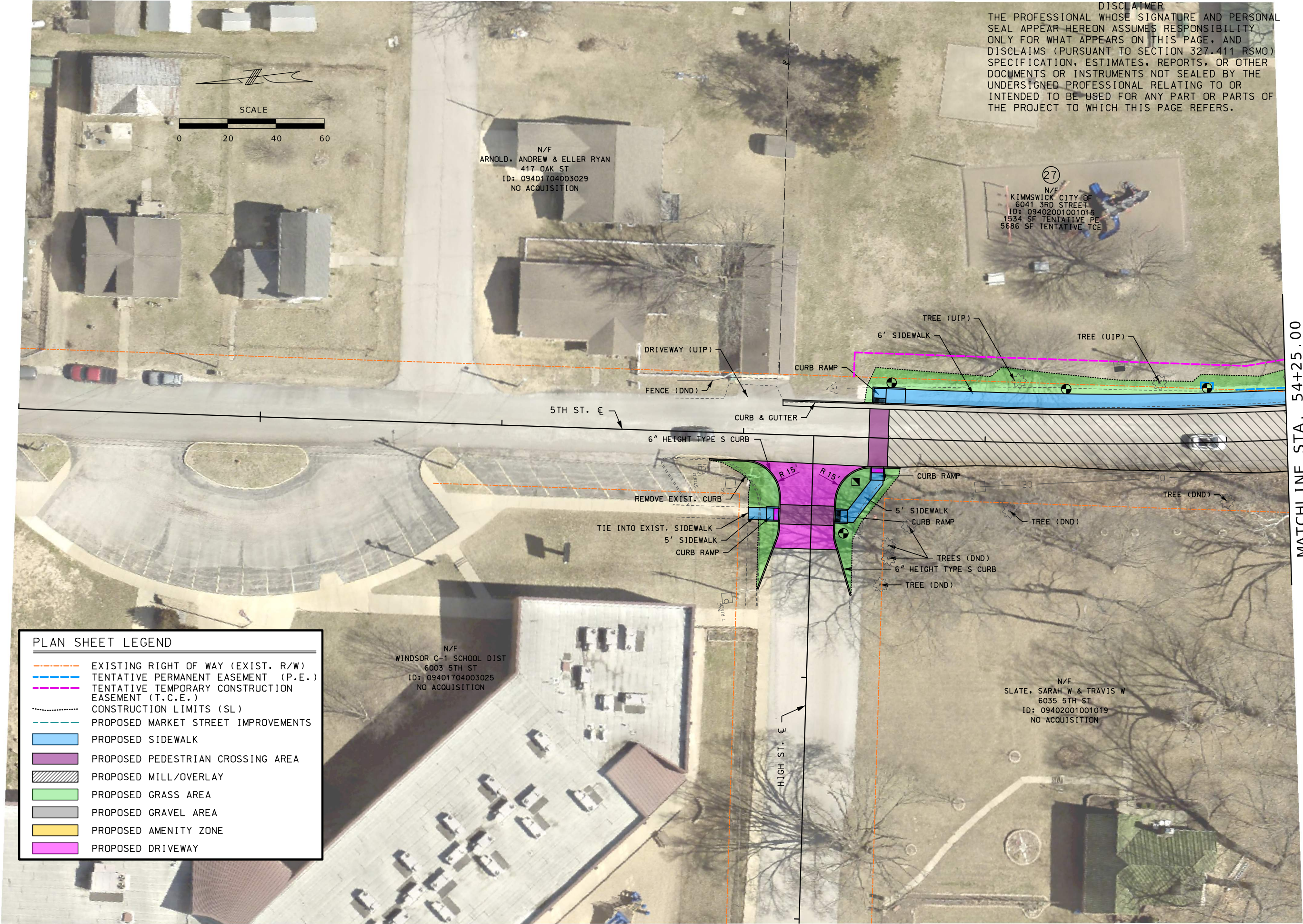
DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
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MAPLE STREET ANNEX
725 MAPLE STREET
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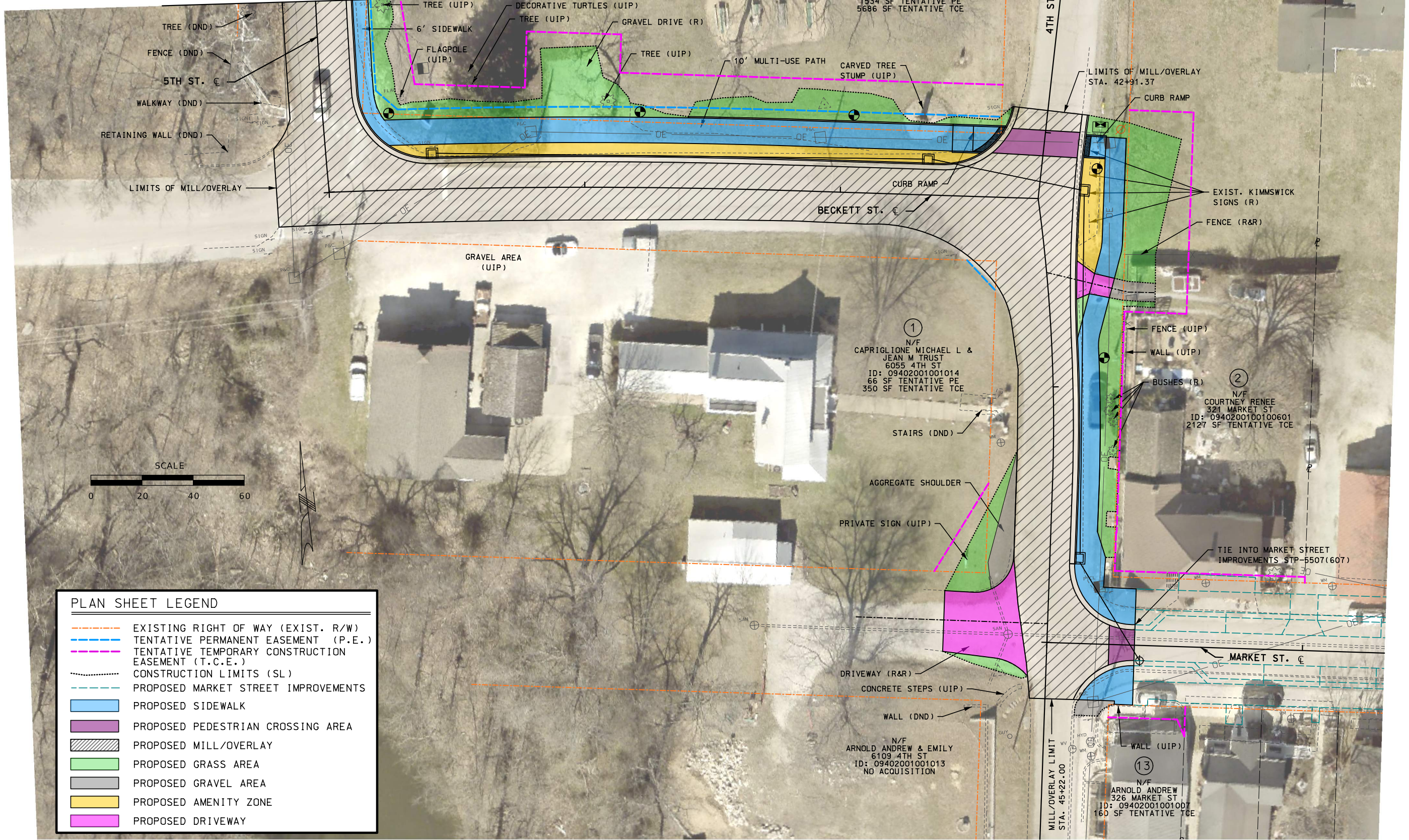
PLAN SHEET
SHEET 1 OF 2
KIMMSWICK GREAT
STREETS PHASE 2



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MATCHLINE STA. 54+25.00



PLAN SHEET LEGEND	
	EXISTING RIGHT OF WAY (EXIST. R/W)
	TENTATIVE PERMANENT EASEMENT (P.E.)
	TENTATIVE TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
	CONSTRUCTION LIMITS (SL)
	PROPOSED MARKET STREET IMPROVEMENTS
	PROPOSED SIDEWALK
	PROPOSED PEDESTRIAN CROSSING AREA
	PROPOSED MILL/OVERLAY
	PROPOSED GRASS AREA
	PROPOSED GRAVEL AREA
	PROPOSED AMENITY ZONE
	PROPOSED DRIVEWAY

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DATE PREPARED
9/15/2023

STATE
MO

SHEET NO.
5

COUNTY
JEFFERSON

JOB NO.
TAP-5445 (613)

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS

MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
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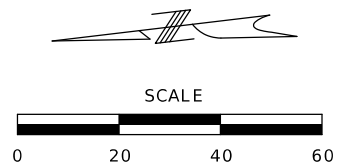


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PLAN SHEET
SHEET 2 OF 2

KIMMSWICK GREAT
STREETS PHASE 2

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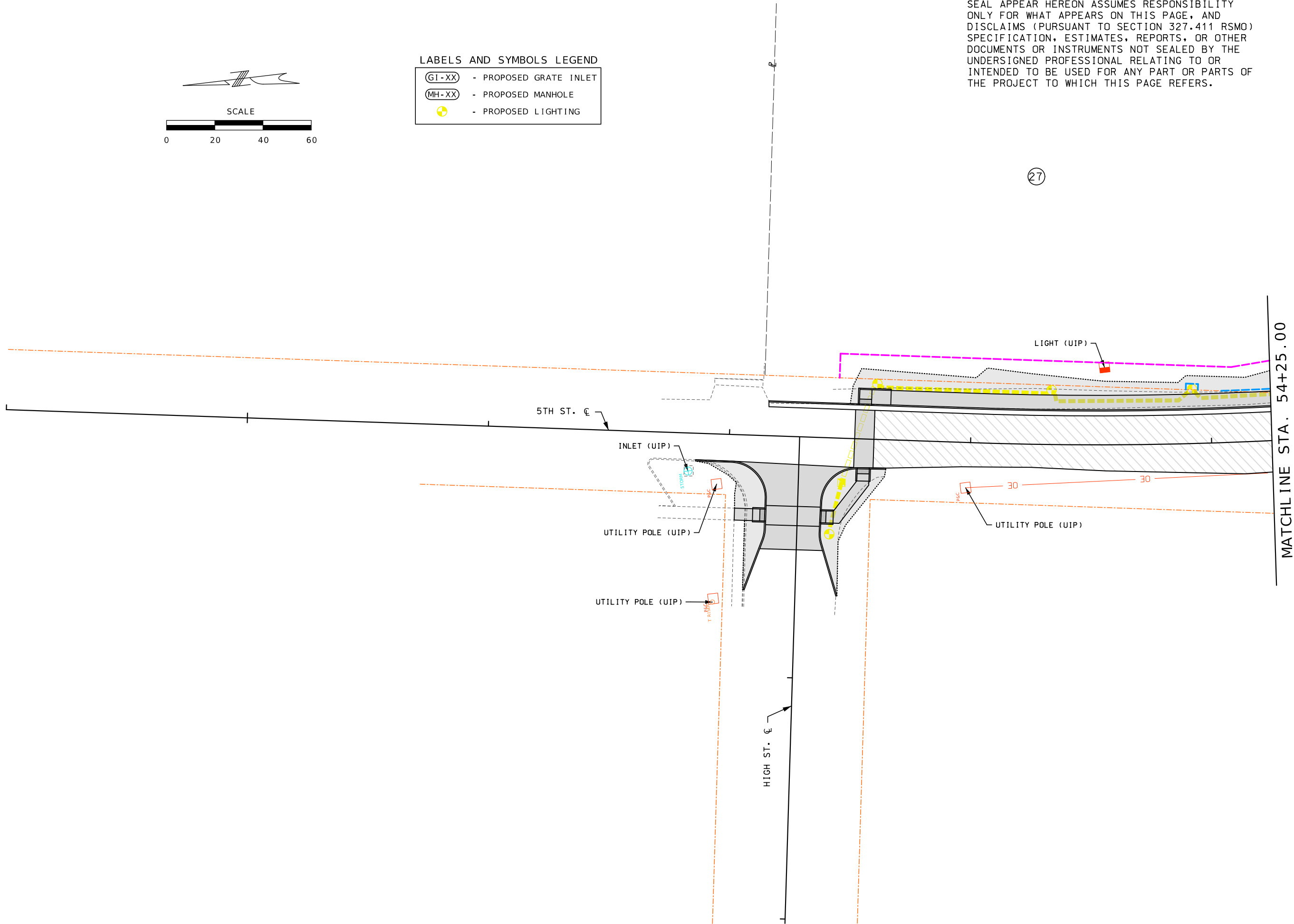


LABELS AND SYMBOLS LEGEND

- GI-XX

- PROPOSED GRATE INLET
- MH-XX

- PROPOSED MANHOLE
- PROPOSED LIGHTING



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DATE PREPARED 9/15/2023	
STATE MO	SHEET NO. 6
COUNTY JEFFERSON	
JOB NO. TAP-5445 (613)	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS
MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
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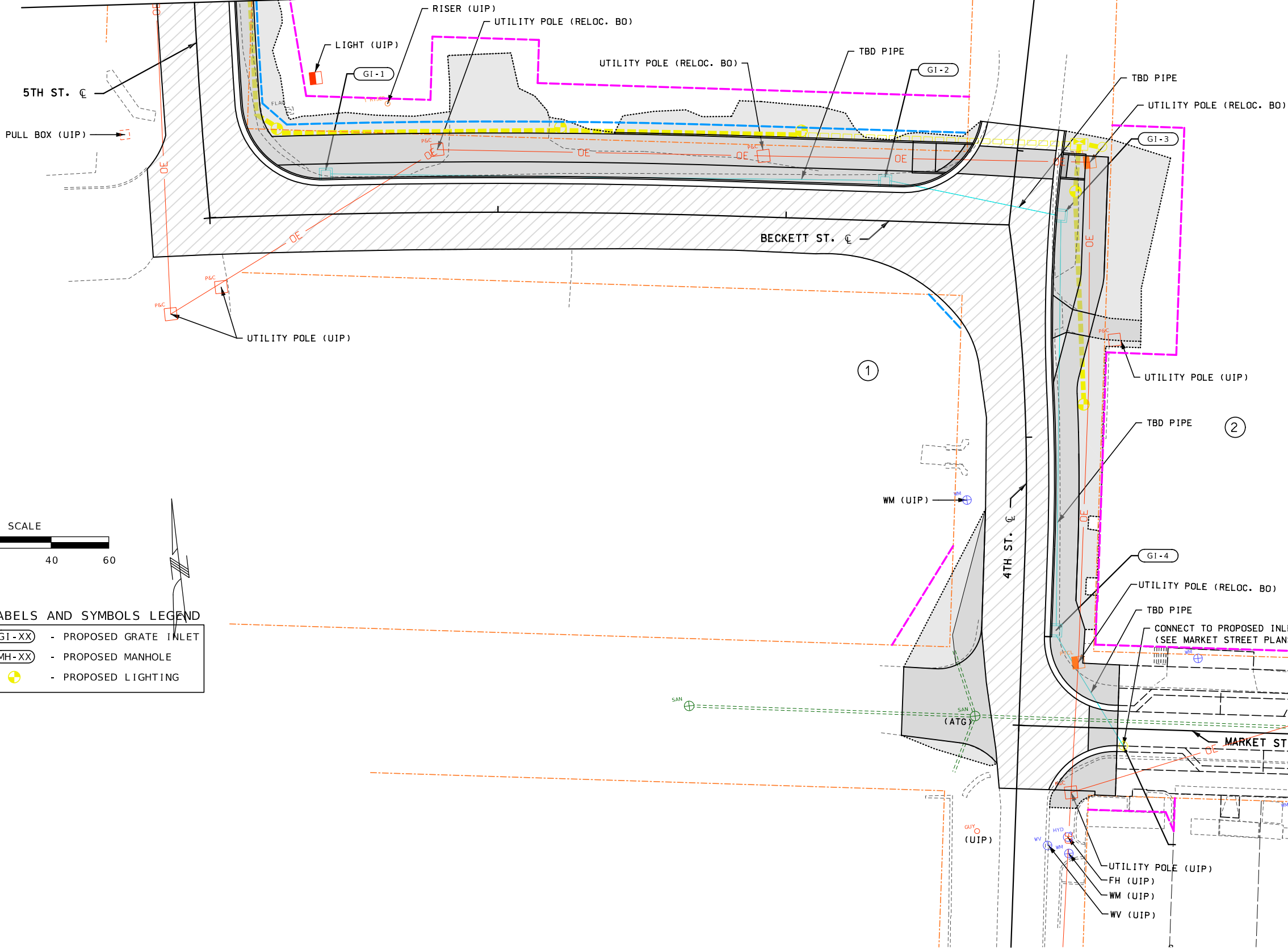
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DRAINAGE &
UTILITY SHEET
SHEET 1 OF 2
KIMMSWICK GREAT
STREETS PHASE 2

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MATCHLINE STA. 54+25.00



SCALE

0 20 40 60

LABELS AND SYMBOLS LEGEND

- GI-XX - PROPOSED GRATE INLET
 MH-XX - PROPOSED MANHOLE
 - PROPOSED LIGHTING

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DATE PREPARED
9/15/2023

STATE	SHEET NO.
MO	7

COUNTY
JEFFERSON

JOB NO.
TAP - 5445 (613)

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

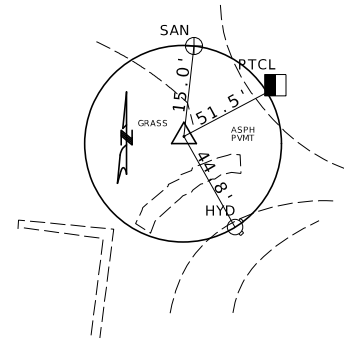
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MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
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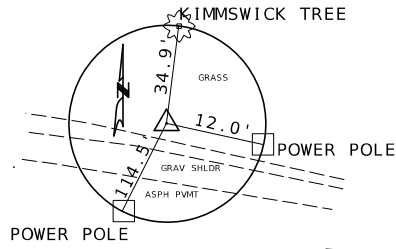


DRAINAGE &
UTILITY SHEET
SHEET 2 OF 2
KIMMSWICK GREAT
STREETS PHASE 2

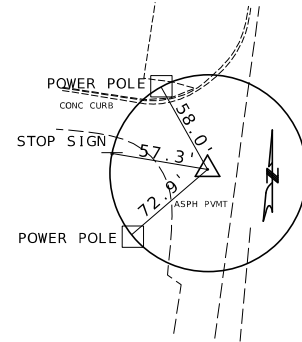
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CONTROL POINT #1
N 921948.998
E 858618.121
ELEV 416.316
SET MAG NAIL IN GRASS
WEST OF MARKET STREET AND
SOUTH OF 4TH STREET TO THE
RIGHT OF THE GRAVEL DRIVEWAY
STA 45+12.21 (4TH)
OFFSET 18.35 RT



CONTROL POINT #2
N 922177.259
E 858576.260
ELEV 424.931
SET MAG NAIL IN GRASS
OF JEFFERSON SQUARE PARK
NORT OF HIGHWAY K AND
BELOW THE WELCOME SIGN
STA 61+92.70 (HWY K)
OFFSET 34.08 RT

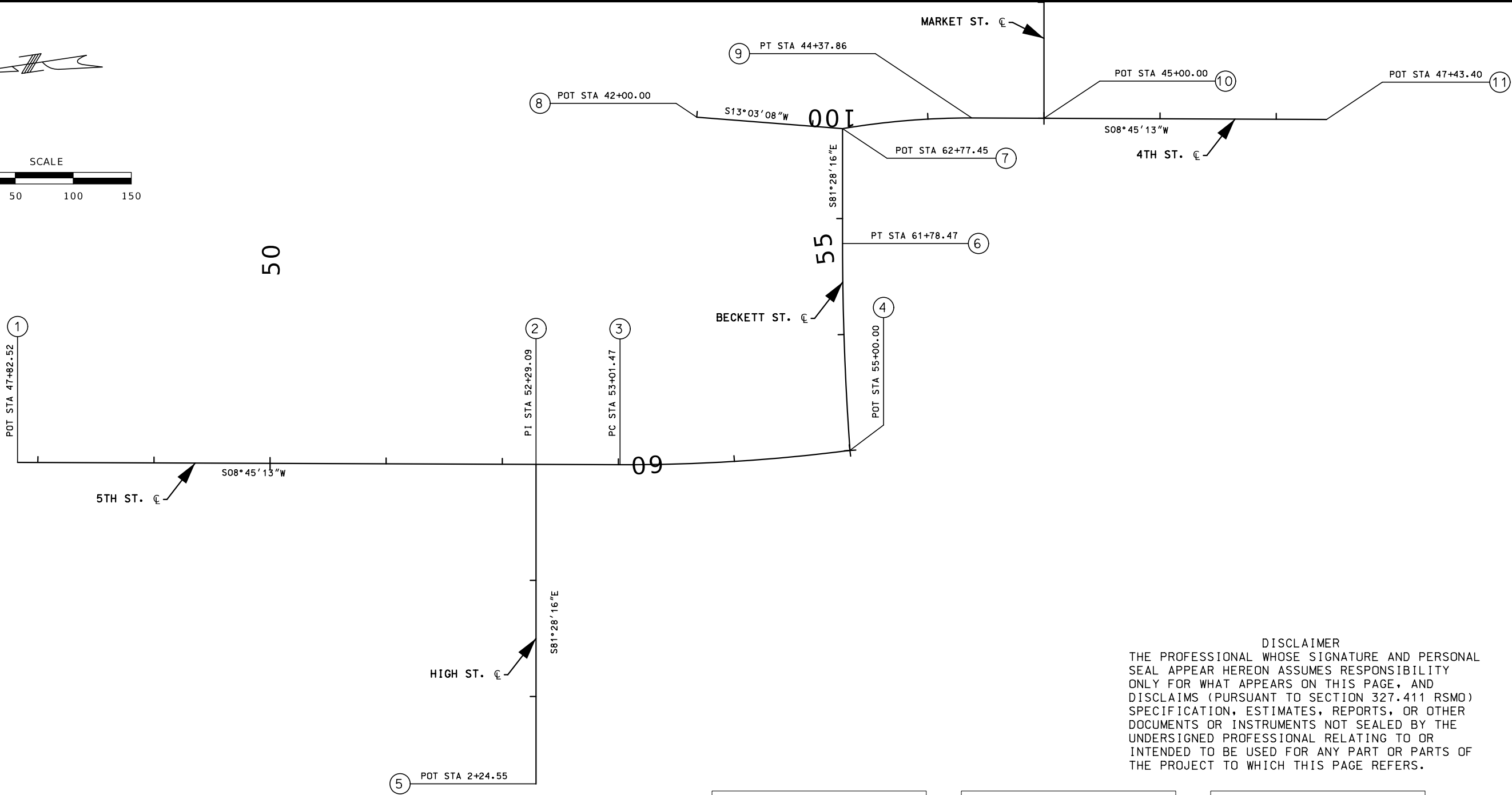
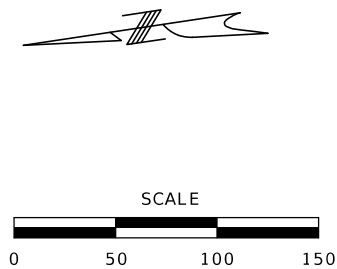


CONTROL POINT #3
N 922424.883
E 858426.478
ELEV 428.331
SET MAG NAIL IN GRASS
EAST OF 5TH STREET AND SOUTH
OF HIGH STREET BELOW THE
ASPHALT DRIVEWAY
STA 52+36.47 (5TH)
OFFSET 19.81 RT

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DATE PREPARED 9/15/2023	
STATE MO	SHEET NO. 8
COUNTY JEFFERSON	
JOB NO. TAP - 5445 (613)	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
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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	
CONTROL POINTS	KIMMSWICK GREAT STREETS PHASE 2

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			MODIFIED MISSOURI STATE PLANE,		
DESIGN PT. ID	STATION	LOCATION	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION
1	47+82.52	5TH STREET	922876.56	858475.98	POT OF TANGENT
2	52+29.09	5TH STREET	922435.20	858408.02	PI OF TANGENT
3	53+04.47	5TH STREET	922363.69	858397.01	PC OF CURVE
4	55+00.00	5TH STREET	922166.01	858379.85	POT OF TANGENT
5	2+24.55	HIGH STREET	922476.05	858135.61	POT OF TANGENT
6	61+78.47	BECKETT STREET	922145.99	858556.30	PT OF CURVE
7	62+77.45	BECKETT STREET	922131.18	858655.03	POT OF TANGENT
8	42+00.00	4TH STREET	922253.86	858683.47	POT OF TANGENT
9	44+37.86	4TH STREET	922020.14	858647.65	PT OF CURVE
10	45+00.00	4TH STREET	921958.25	858638.26	POT OF TANGENT
11	47+43.40	4TH STREET	921717.70	858601.08	POT OF TANGENT

5TH STREET CURVE	
PI	54+00.88
PC	53+01.47
PT	55+00.00
Δ	7°35'0.1" (LT)
D	3°49'11.0"
L	198.53' (ARC)
T	99.41'
R	1,500.00'

BECKETT STREET CURVE	
PI	60+89.27
PC	60+00.00
PT	61+78.47
Δ	4°5'24.6" (RT)
D	2°17'30.6"
L	178.47' (ARC)
T	89.27'
R	2,500.00'

4TH STREET CURVE	
PI	43+82.06
PC	43+25.98
PT	44+37.86
Δ	9°51'44.2" (RT)
D	8°48'53.0"
L	111.88' (ARC)
T	56.08'
R	650.00'

COORDINATE POINT LISTING – TABLE OF MODIFIED STATE PLANE COORDINATES. THE BEARING SYSTEM IS GRID NORTH, MISSOURI COORDINATE SYSTEM, EAST ZONE. VERTICAL DATUM: NAVD88.

PROJECTION FACTOR = 0.99993333

NOTE:
THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTNACES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0.0.

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DATE PREPARED 9/15/2023	
STATE MO	SHEET NO. 9
COUNTY JEFFERSON	
JOB NO. TAP - 5445 (613)	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
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JEFFERSON COUNTY, MISSOURI
DEPARTMENT OF PUBLIC WORKS

MAPLE STREET ANNEX
725 MAPLE STREET
HILLSBORO, MO 63050
(636) 797-5340
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ONE MEMORIAL DRIVE, SUITE 300
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COORDINATE POINTS	KIMMSWICK GREAT STREETS PHASE 2
-------------------	---------------------------------

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STATE	SHEET NO.
MO	1

COUNTY
JEFFERSON

JOB NO.
TAP - 5445 (613)

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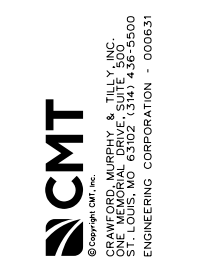
PROJECT NO.

BRIDGE NO.

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DEPARTMENT OF PUBLIC WORKS

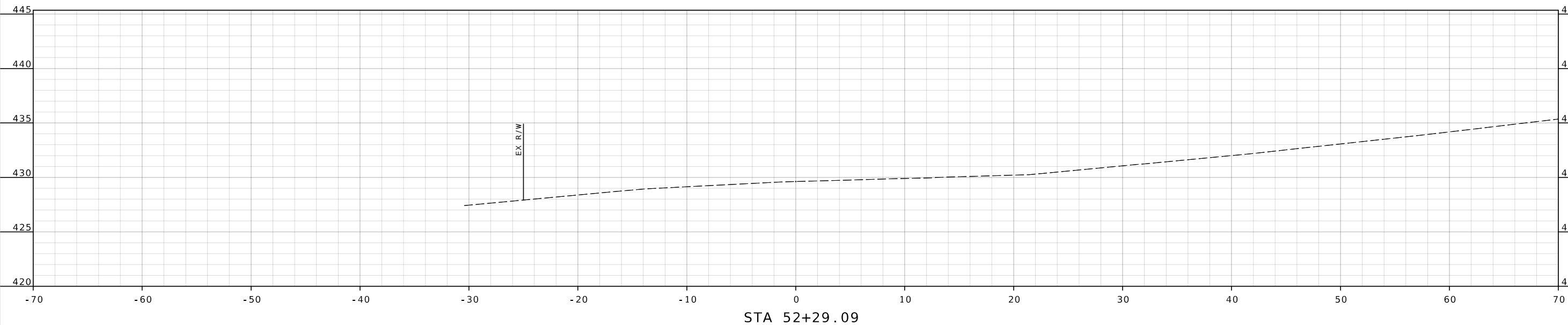
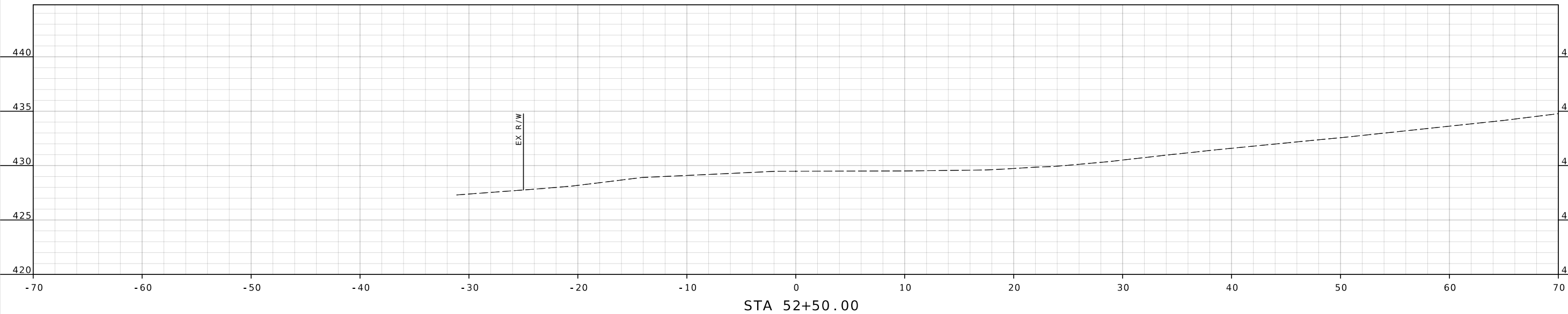
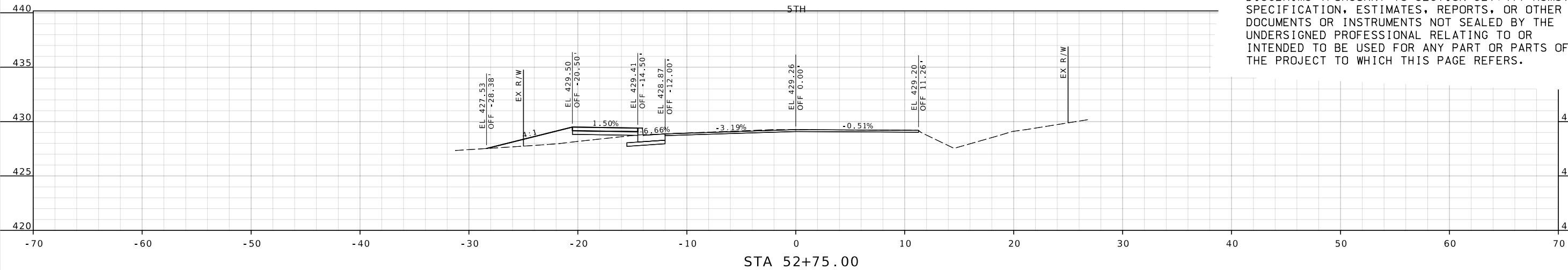
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XS SHEET

SHEET 1 OF 14

KIMMSWICK GREAT STREETS PHASE 2



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STATE	SHEET NO.
MO	2

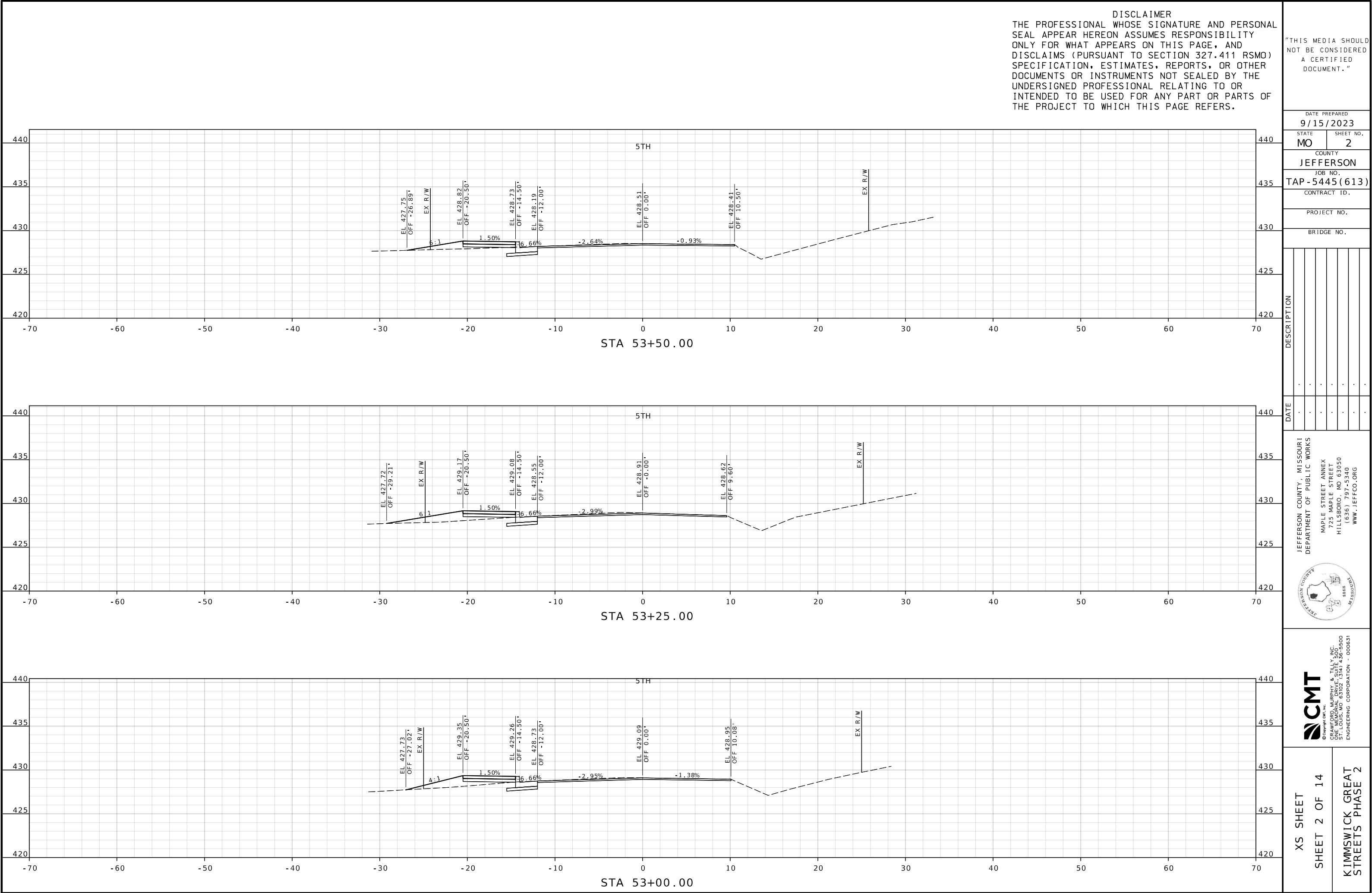
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TAP-5445(613)

PROJECT NO.

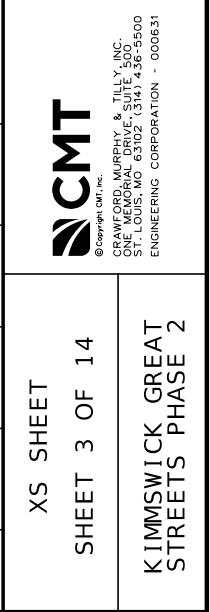
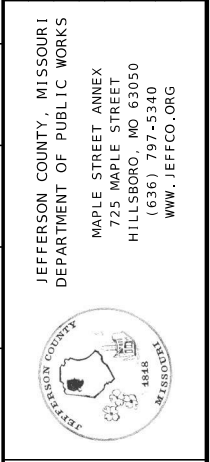
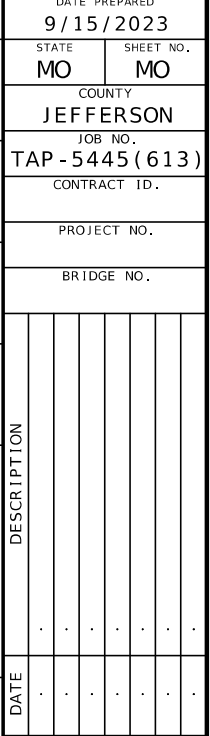
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XS SHEET	KIMMSWICK GREAT STREETS PHASE 2
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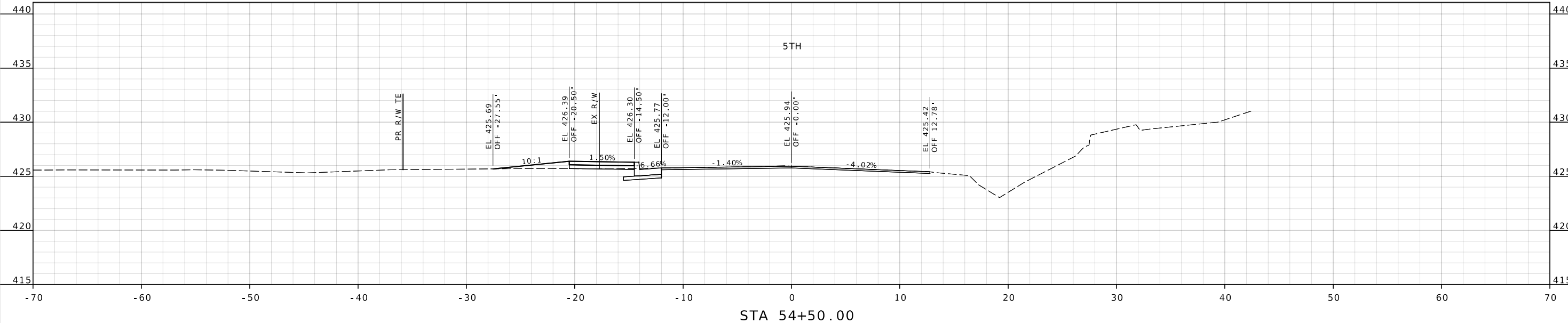
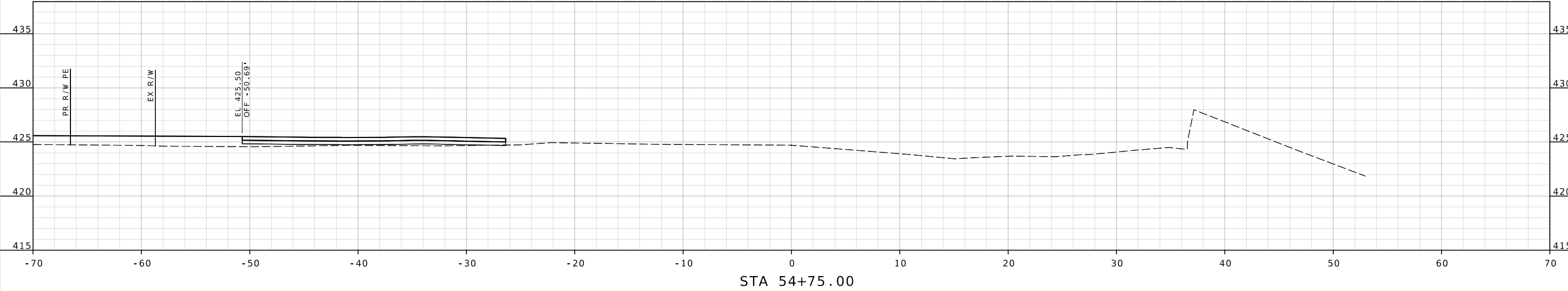




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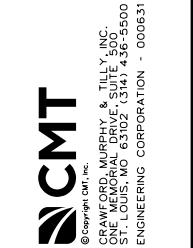
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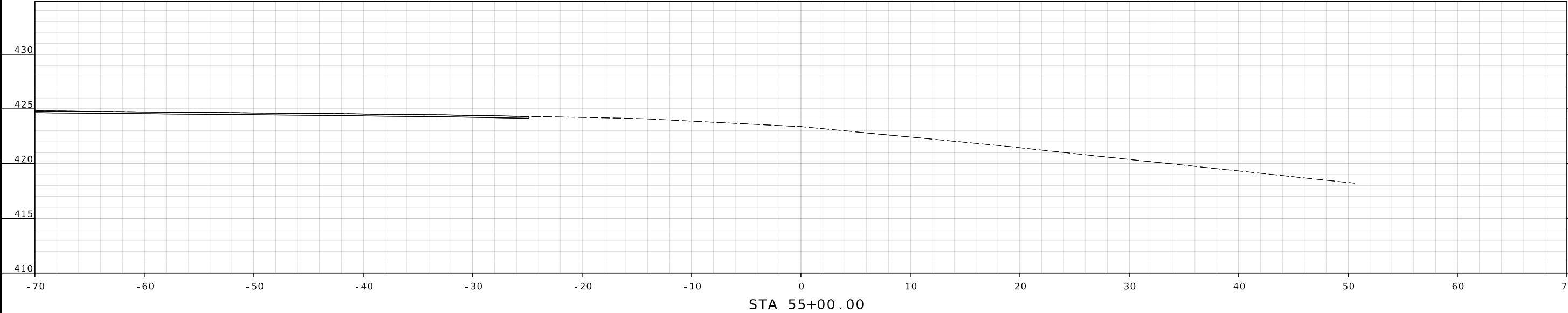
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Figure 1

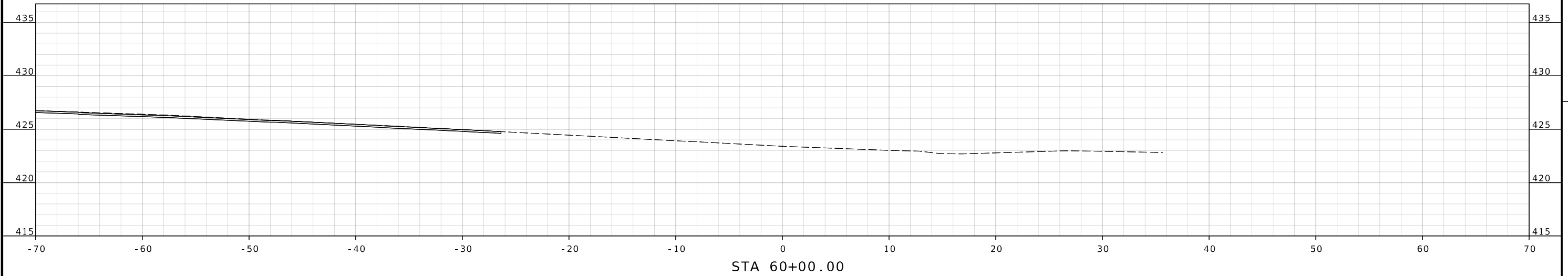
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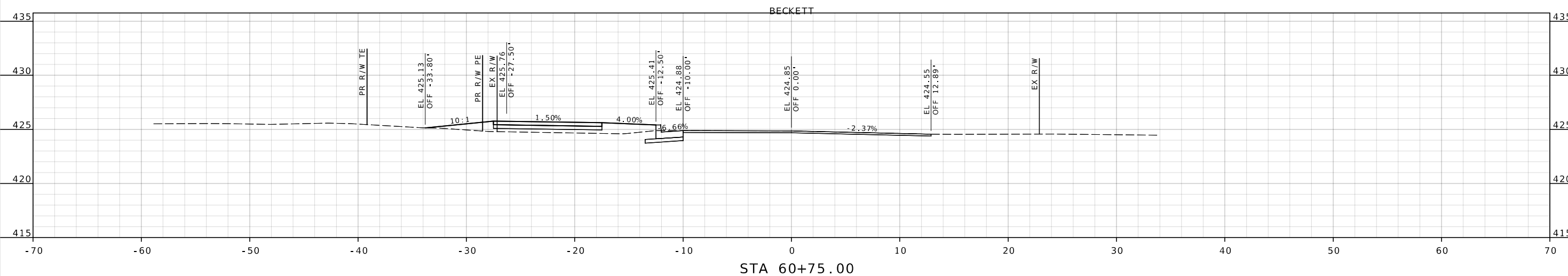
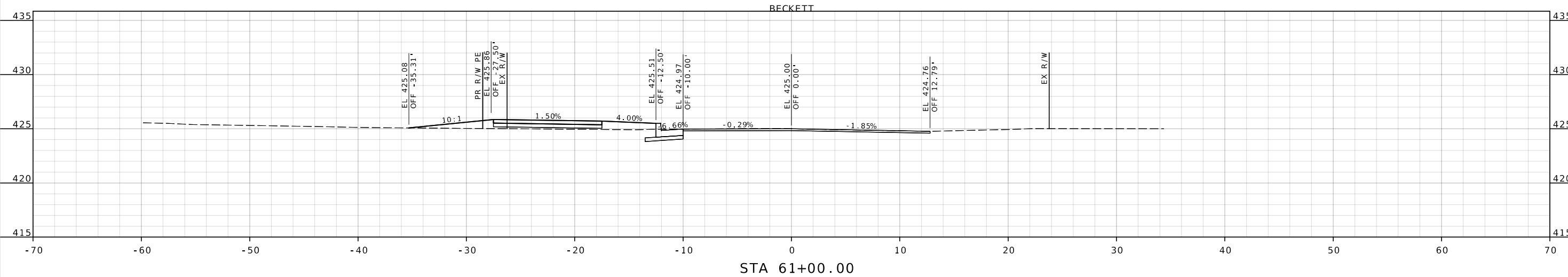
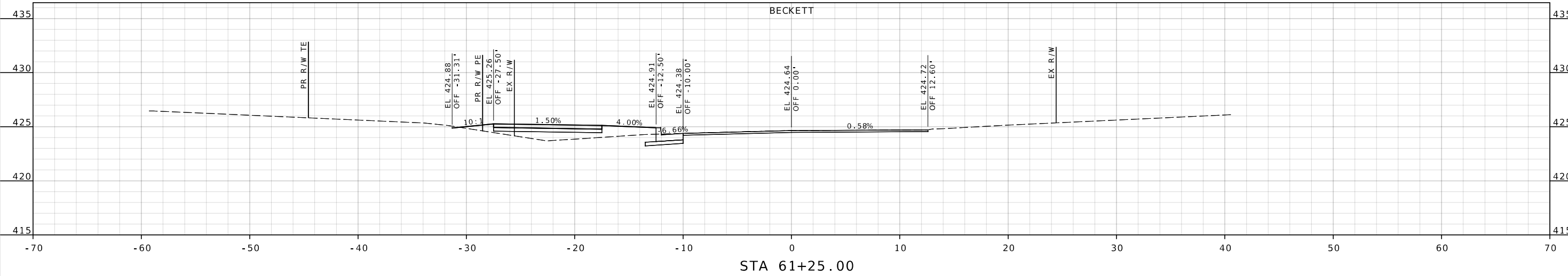
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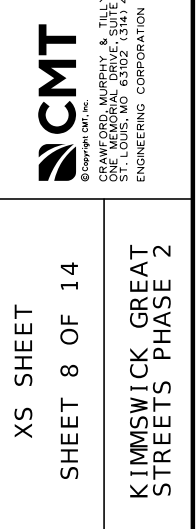
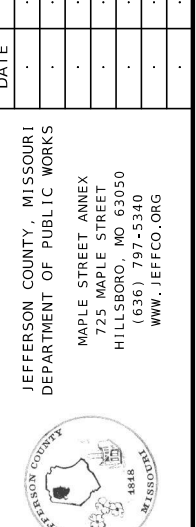
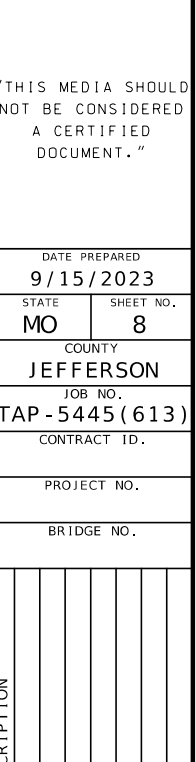
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NAME	ADDRESS	TELEPHONE
Mr. J. H. Smith	123 Main St.	456-7890
Mr. A. B. Jones	456 Elm St.	789-0123
Mr. C. D. Brown	789 Oak St.	012-3456
Mr. E. F. Green	101 Pine St.	345-6789
Mr. G. H. White	202 Maple St.	678-9012
Mr. I. J. Black	303 Birch St.	901-2345
Mr. K. L. Gray	404 Cedar St.	234-5678
Mr. M. N. Hall	505 Willow St.	567-8901
Mr. O. P. King	606 Spruce St.	890-1234
Mr. Q. R. Lee	707 Fir St.	123-4567
Mr. S. T. Young	808 Ash St.	456-7890
Mr. U. V. Wright	909 Hickory St.	789-0123
Mr. W. X. Scott	1010 Sycamore St.	012-3456
Mr. Y. Z. Adams	1111 Dogwood St.	345-6789
Mr. B. C. Baker	1212 Magnolia St.	678-9012
Mr. D. E. Clark	1313 Redwood St.	901-2345
Mr. F. G. Evans	1414 Cypress St.	234-5678
Mr. H. I. Fisher	1515 Juniper St.	567-8901
Mr. J. K. Gibson	1616 Laurel St.	890-1234
Mr. L. M. Hall	1717 Locust St.	123-4567
Mr. N. O. King	1818 Mulberry St.	456-7890
Mr. P. Q. Lee	1919 Peach St.	789-0123
Mr. R. S. Young	2020 Plum St.	012-3456
Mr. T. U. Wright	2121 Rose St.	345-6789
Mr. V. W. Scott	2222 Sunflower St.	678-9012
Mr. X. Y. Adams	2323 Tulip St.	901-2345
Mr. Z. A. Baker	2424 Violet St.	234-5678
Mr. B. C. Clark	2525 Zinnia St.	567-8901
Mr. D. E. Evans	2626 Aster St.	890-1234
Mr. F. G. Fisher	2727 Begonia St.	123-4567
Mr. H. I. Gibson	2828 Camellia St.	456-7890
Mr. J. K. Hall	2929 Daffodil St.	789-0123
Mr. L. M. King	3030 Forsythia St.	012-3456
Mr. N. O. Lee	3131 Geranium St.	345-6789
Mr. P. Q. Young	3232 Hyacinth St.	678-9012
Mr. R. S. Wright	3333 Iris St.	901-2345
Mr. T. U. Scott	3434 Lavender St.	234-5678
Mr. V. W. Adams	3535 Marigold St.	567-8901
Mr. X. Y. Baker	3636 Nasturtium St.	890-1234
Mr. Z. A. Clark	3737 Petunia St.	123-4567
Mr. B. C. Evans	3838 Snapdragon St.	456-7890
Mr. D. E. Fisher	3939 Verbena St.	789-0123
Mr. F. G. Gibson	4040 Zinnia St.	012-3456
Mr. H. I. Hall	4141 Aster St.	345-6789
Mr. J. K. King	4242 Begonia St.	678-9012
Mr. L. M. Lee	4343 Camellia St.	901-2345
Mr. N. O. Young	4444 Daffodil St.	234-5678
Mr. P. Q. Wright	4545 Forsythia St.	567-8901
Mr. R. S. Scott	4646 Geranium St.	890-1234
Mr. T. U. Adams	4747 Hyacinth St.	123-4567
Mr. V. W. Baker	4848 Iris St.	456-7890
Mr. X. Y. Clark	4949 Lavender St.	789-0123
Mr. Z. A. Evans	5050 Marigold St.	012-3456
Mr. B. C. Fisher	5151 Nasturtium St.	345-6789
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Mr. F. G. Hall	5353 Snapdragon St.	901-2345
Mr. H. I. King	5454 Verbena St.	234-5678
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Mr. P. Q. Scott	5858 Camellia St.	456-7890
Mr. R. S. Adams	5959 Daffodil St.	789-0123
Mr. T. U. Baker	6060 Forsythia St.	012-3456
Mr. V. W. Clark	6161 Geranium St.	345-6789
Mr. X. Y. Evans	6262 Hyacinth St.	678-9012
Mr. Z. A. Fisher	6363 Iris St.	901-2345
Mr. B. C. Gibson	6464 Lavender St.	234-5678
Mr. D. E. Hall	6565 Marigold St.	567-8901
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Mr. H. I. Lee	6767 Petunia St.	123-4567
Mr. J. K. Young	6868 Snapdragon St.	456-7890
Mr. L. M. Wright	6969 Verbena St.	789-0123
Mr. N. O. Scott	7070 Zinnia St.	012-3456
Mr. P. Q. Adams	7171 Aster St.	345-6789
Mr. R. S. Baker	7272 Begonia St.	678-9012
Mr. T. U. Clark	7373 Camellia St.	901-2345
Mr. V. W. Evans	7474 Daffodil St.	234-5678
Mr. X. Y. Fisher	7575 Forsythia St.	567-8901
Mr. Z. A. Gibson	7676 Geranium St.	890-1234
Mr. B. C. Hall	7777 Hyacinth St.	123-4567
Mr. D. E. King	7878 Iris St.	456-7890
Mr. F. G. Lee	7979 Lavender St.	789-0123
Mr. H. I. Young	8080 Marigold St.	012-3456
Mr. J. K. Wright	8181 Nasturtium St.	345-6789
Mr. L. M. Scott	8282 Petunia St.	678-9012
Mr. N. O. Adams	8383 Snapdragon St.	901-2345
Mr. P. Q. Baker		

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BRIDGE NO.	

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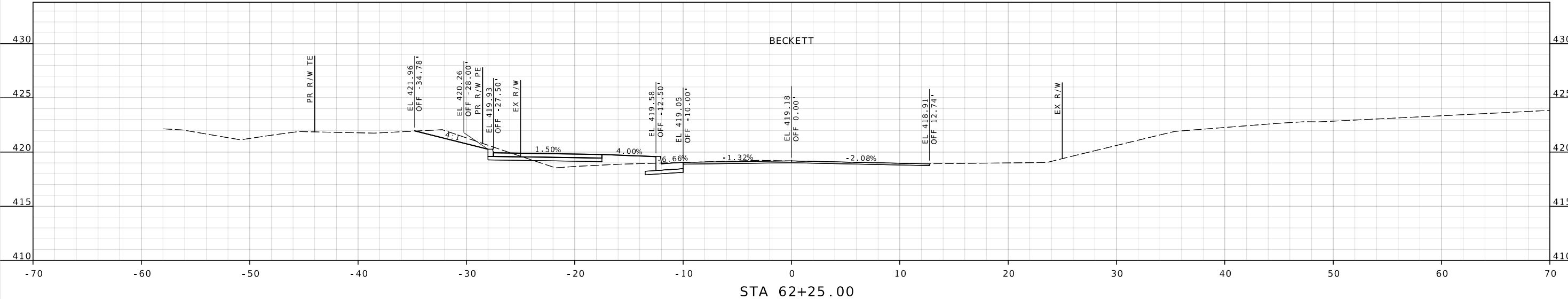
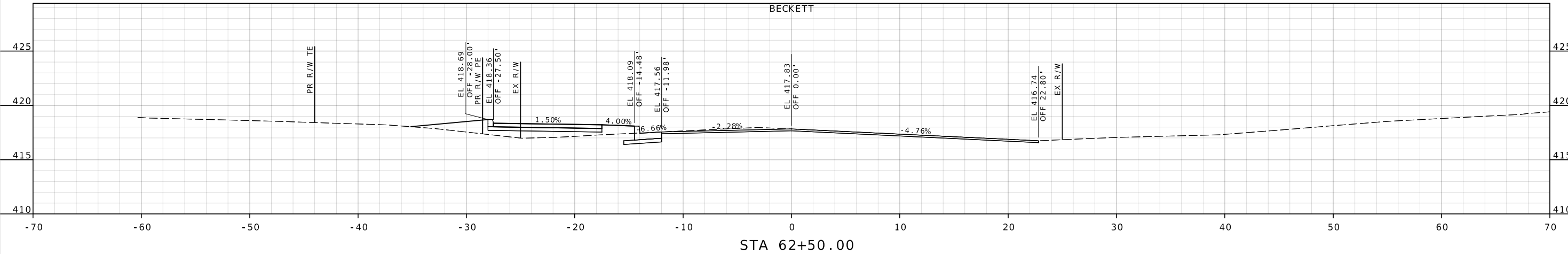
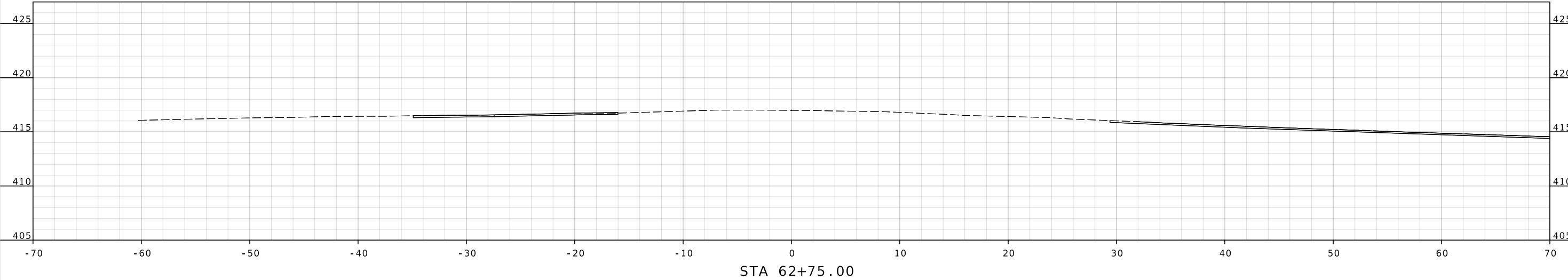


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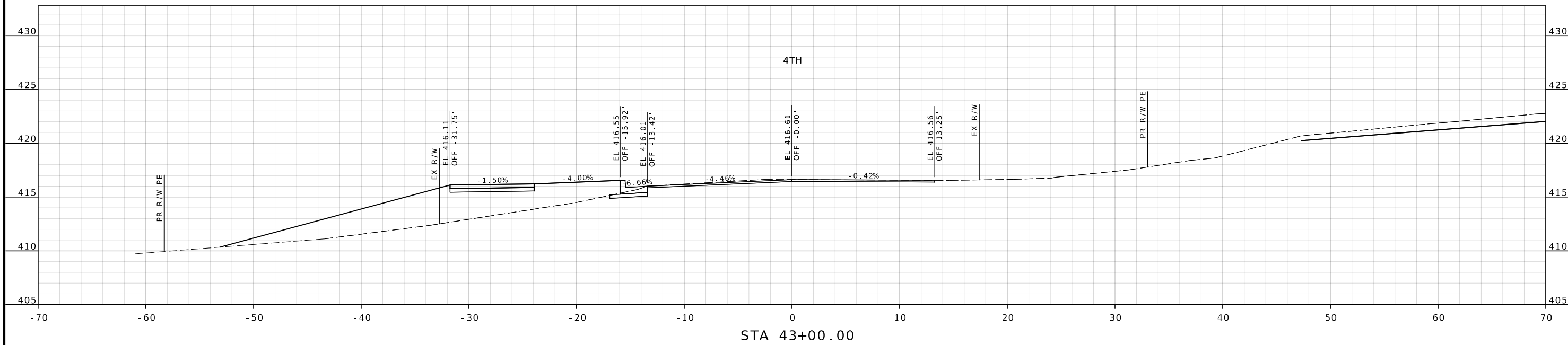
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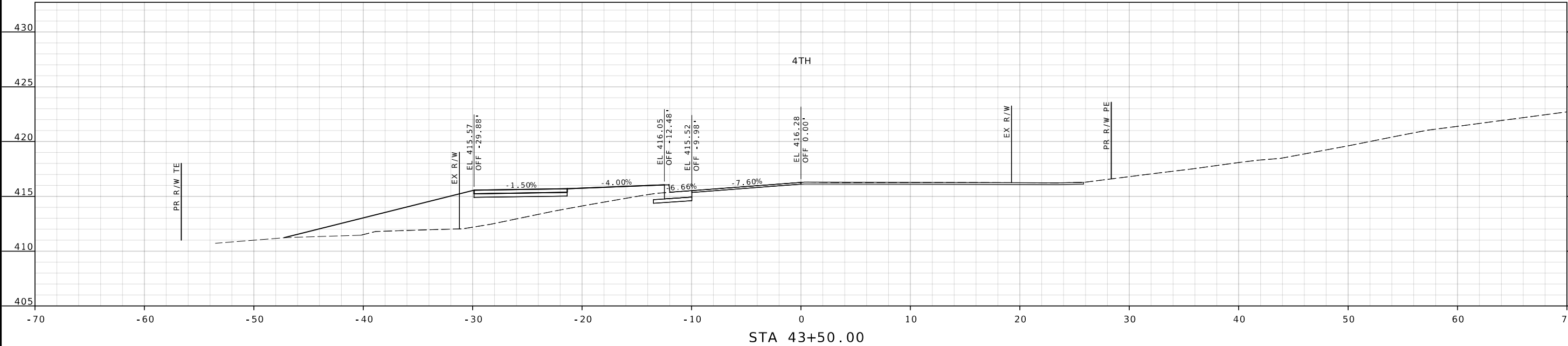
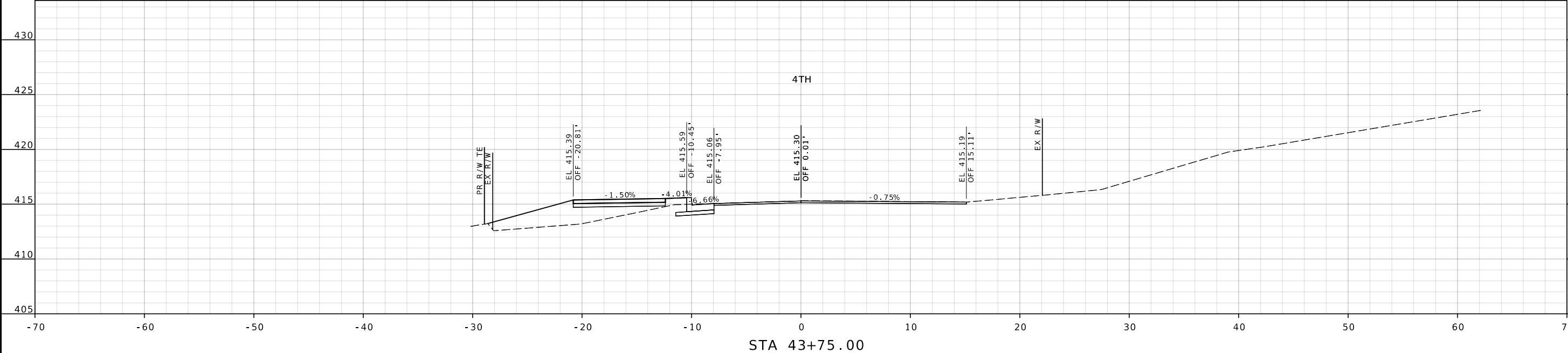
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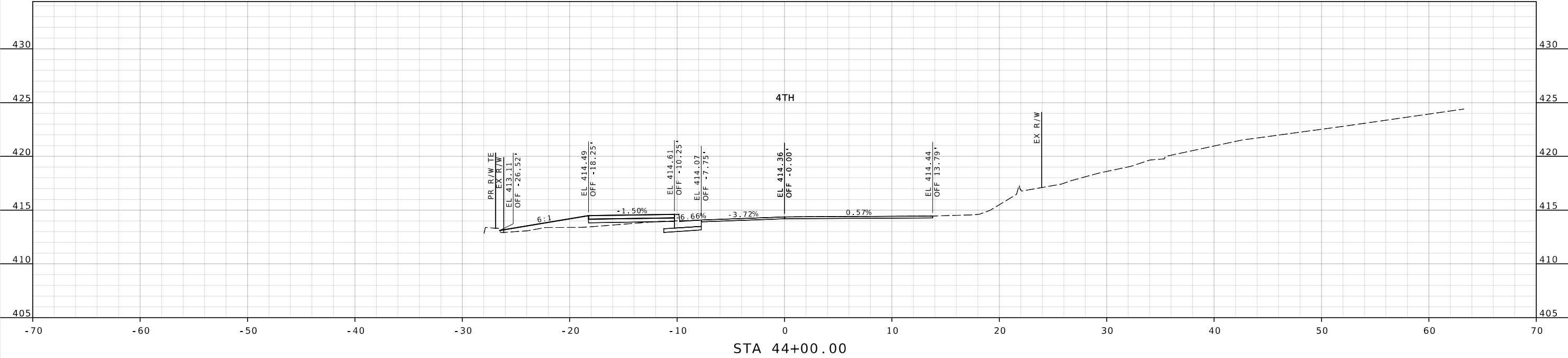
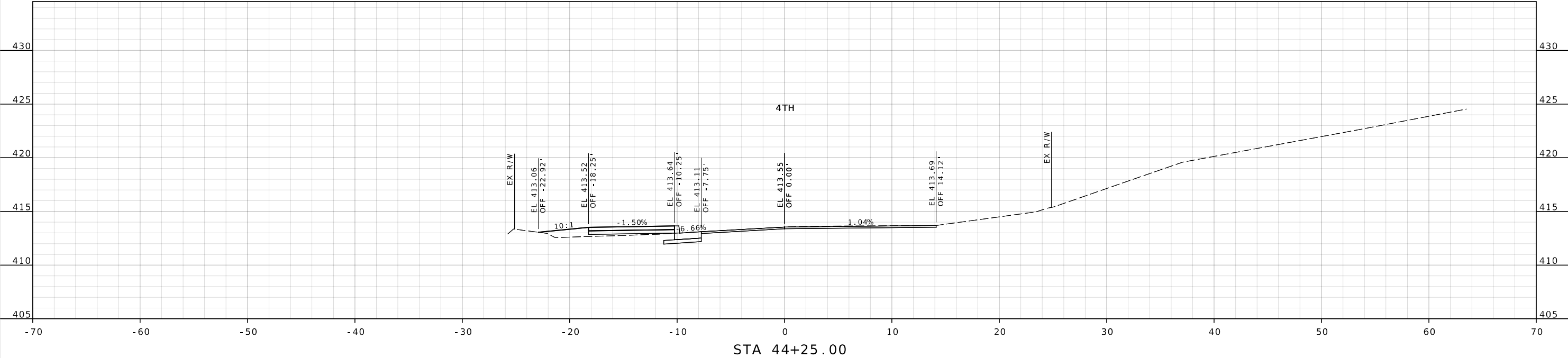
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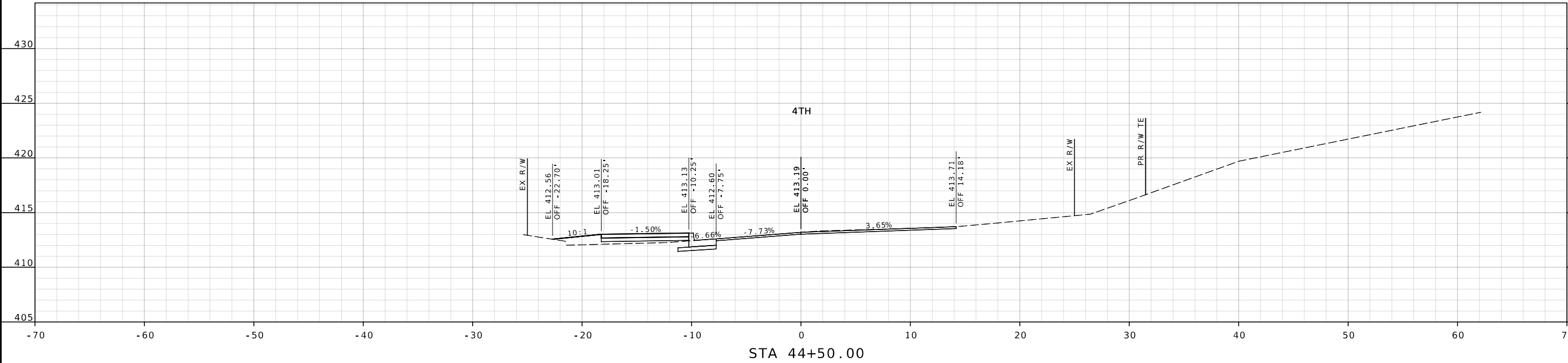
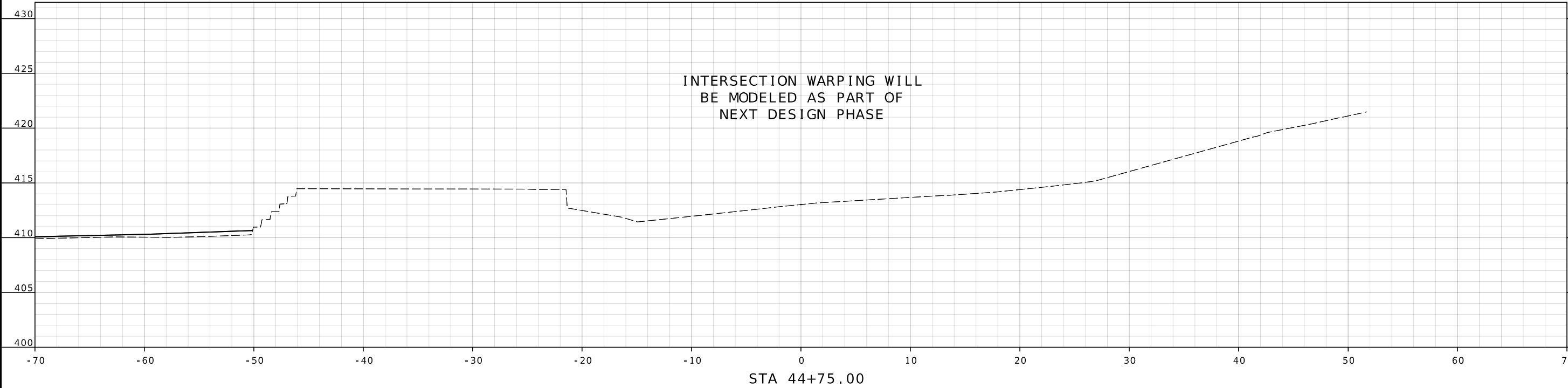


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SHEET 12 OF 14
KIMMSWICK GREAT
STREETS PHASE 2

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SHEET 13 OF 14
KIMMSWICK GREAT
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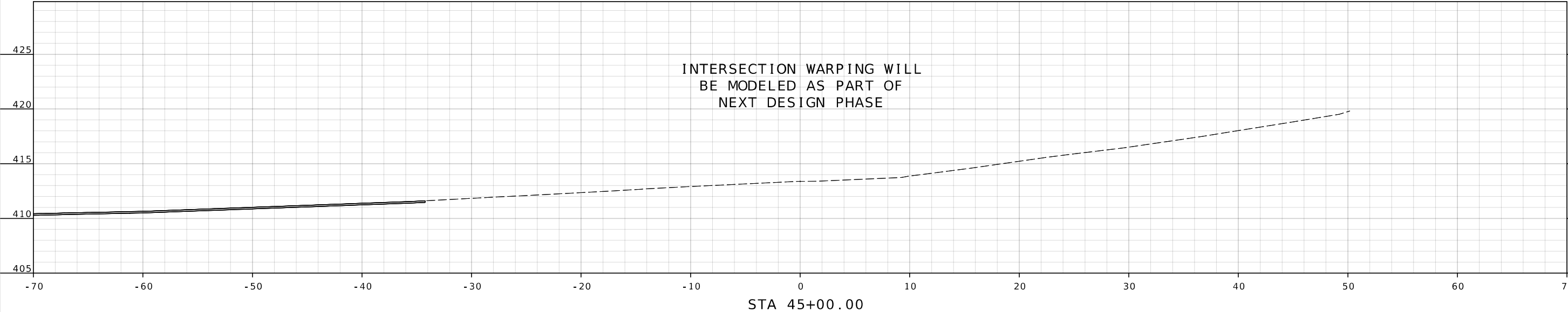
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