

CONSTRUCTION PLANS FOR US 175-SH 34 CONNECTOR ROADS PAVING IMPROVEMENTS KAUFMAN COUNTY, TEXAS NOVEMBER 2023

SHEET LIST TABLE

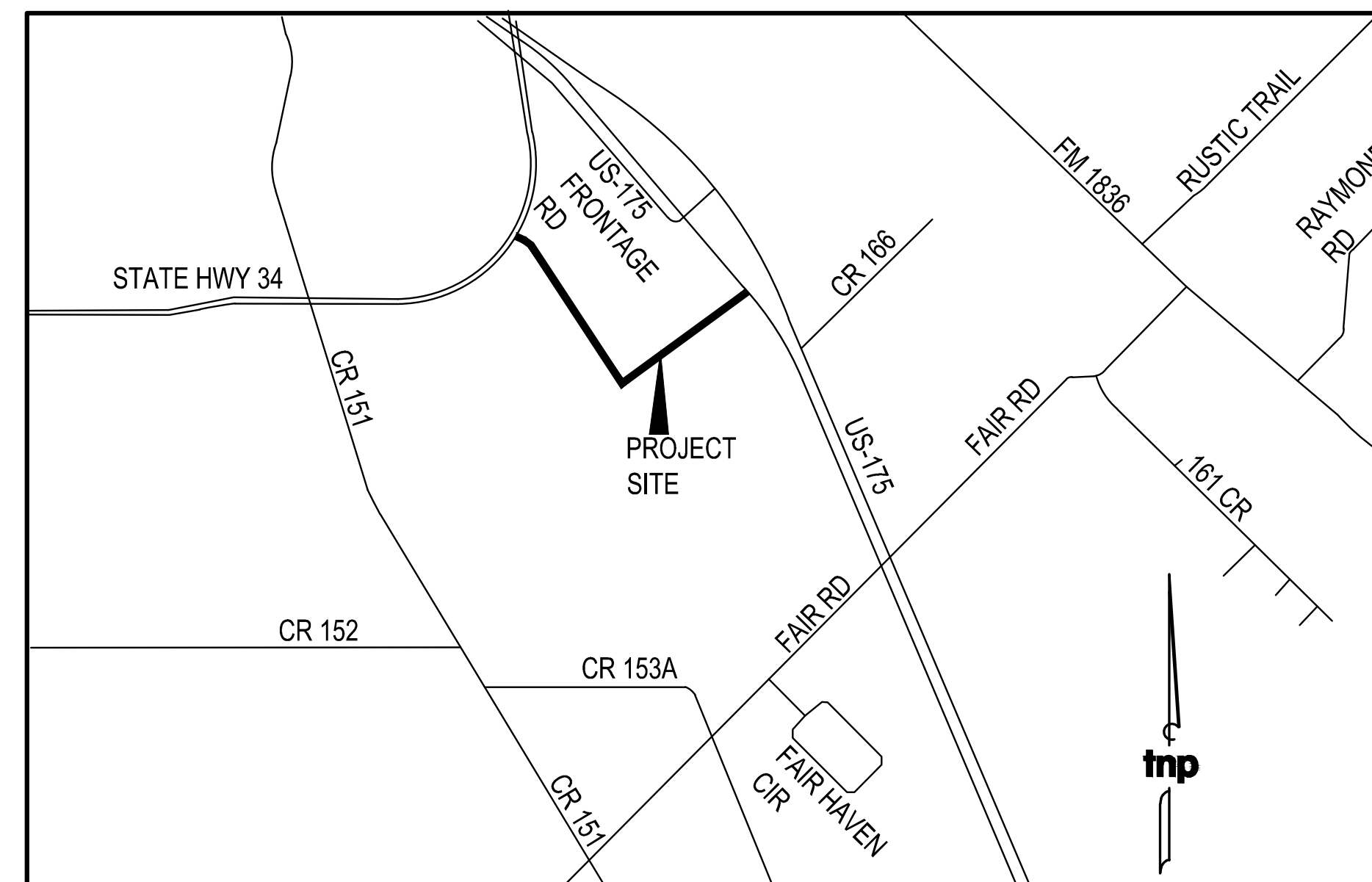
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	PROJECT CONTROL SHEET
4	TYPICAL SECTION ROAD 1
5	PAVING PLAN & PROFILE ROAD 1 STA 1+00 TO 3+50
6	PAVING PLAN & PROFILE ROAD 1 STA 3+50 TO 7+50
7	PAVING PLAN & PROFILE ROAD 1 STA 7+50 TO 12+50
8	PAVING PLAN & PROFILE ROAD 1 STA 12+50 TO 17+50
9	PAVING PLAN & PROFILE ROAD 1 STA 17+50 TO 22+50
10	PAVING PLAN & PROFILE ROAD 1 STA 22+50 TO END
11	CROSS SECTION ROAD 1 STA. 2+50 TO 6+50
12	CROSS SECTION ROAD 1 STA. 7+00 TO 11+00
13	CROSS SECTION ROAD 1 STA. 11+50 TO 15+50
14	CROSS SECTION ROAD 1 STA. 16+00 TO 20+00
15	CROSS SECTION ROAD 1 STA. 20+50 TO 24+50
16	CROSS SECTION ROAD 1 STA. 25+00 TO 26+50
17	TYPICAL SECTION ROAD 2
18	PAVING PLAN & PROFILE ROAD 2 STA 1+00 TO 4+50
19	PAVING PLAN & PROFILE ROAD 2 STA 4+50 TO 9+00
20	PAVING PLAN & PROFILE ROAD 2 STA 9+00 TO 13+50
21	PAVING PLAN & PROFILE ROAD 2 STA 13+50 TO 18+50
22	PAVING PLAN & PROFILE ROAD 2 STA 18+50 TO END
23	CROSS SECTION ROAD 2 STA. 1+50 TO 5+50
24	CROSS SECTION ROAD 2 STA. 6+00 TO 10+00
25	CROSS SECTION ROAD 2 STA. 10+50 TO 14+50
26	CROSS SECTION ROAD 2 STA. 15+00 TO 19+00
27	CROSS SECTION ROAD 2 STA. 19+50 TO 22+50
28	PRE-DEVELOPED DRAINAGE AREA MAP 1 OF 2
29	PRE-DEVELOPED DRAINAGE AREA MAP 2 OF 2
30	POST-DEVELOPED DRAINAGE AREA MAP 1 OF 2
31	POST-DEVELOPED DRAINAGE AREA MAP 2 OF 2
32	STORM DRAIN PLAN & PROFILE - STORM LINE A
33	STORM DRAIN PLAN & PROFILE - STORM LINE B
34	STORM DRAIN PLAN & PROFILE - LAT B1 & B2,CULVERT C & D
35	STORM DRAIN CALCULATIONS
36	EROSION CONTROL PLAN
37	CONSTRUCTION DETAILS (1 OF 3)
38	CONSTRUCTION DETAILS (2 OF 3)
39	CONSTRUCTION DETAILS (3 OF 3)

CIVIL ENGINEER

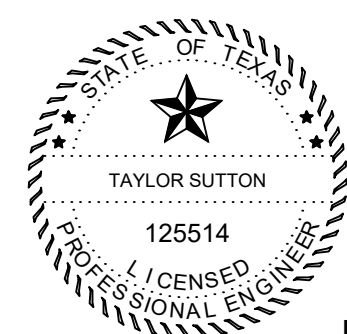
TNP, INC.
CONTACT: TAYLOR SUTTON, PE
825 WATTERS CREEK BLVD., SUITE M300
ALLEN, TX 75013
PH: 214.988.9965
EMAIL: TSUTTON@TNPINC.COM

SURVEYOR

TNP, INC.
CONTACT: BRIAN "JAY" MADDOX II, RPLS
825 WATTERS CREEK BLVD., SUITE M300
ALLEN, TX 75013
PH: 214.988.9971
EMAIL: JMADDOX@TNPINC.COM



LOCATION MAP
NOT TO SCALE



Taylor Sutton

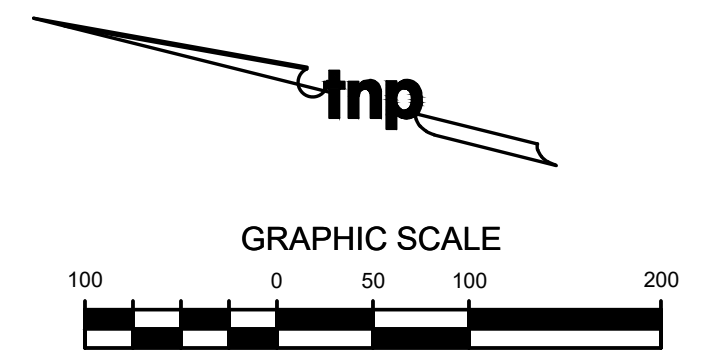
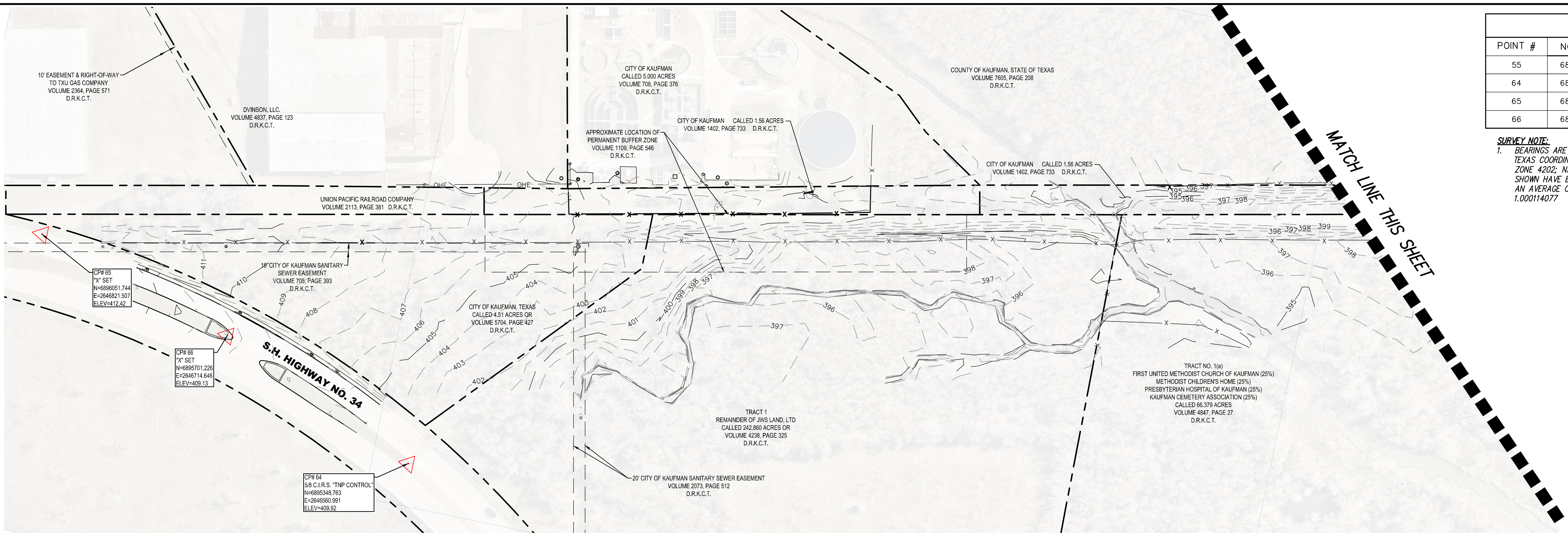
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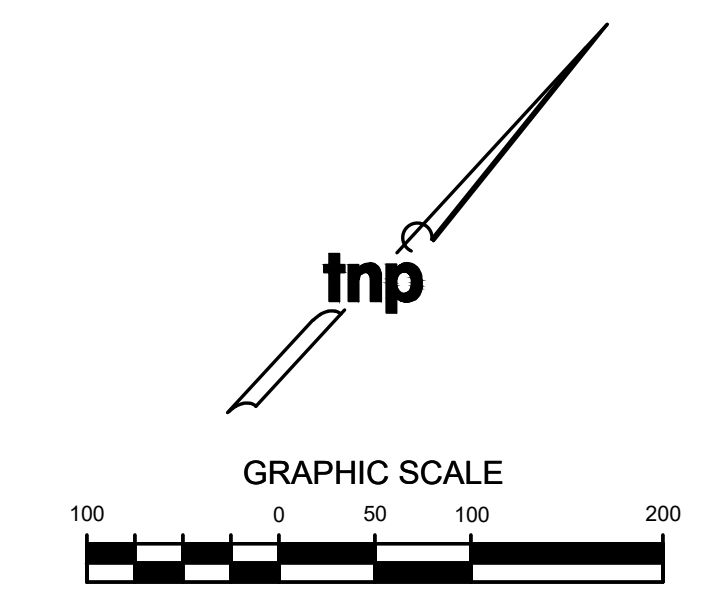
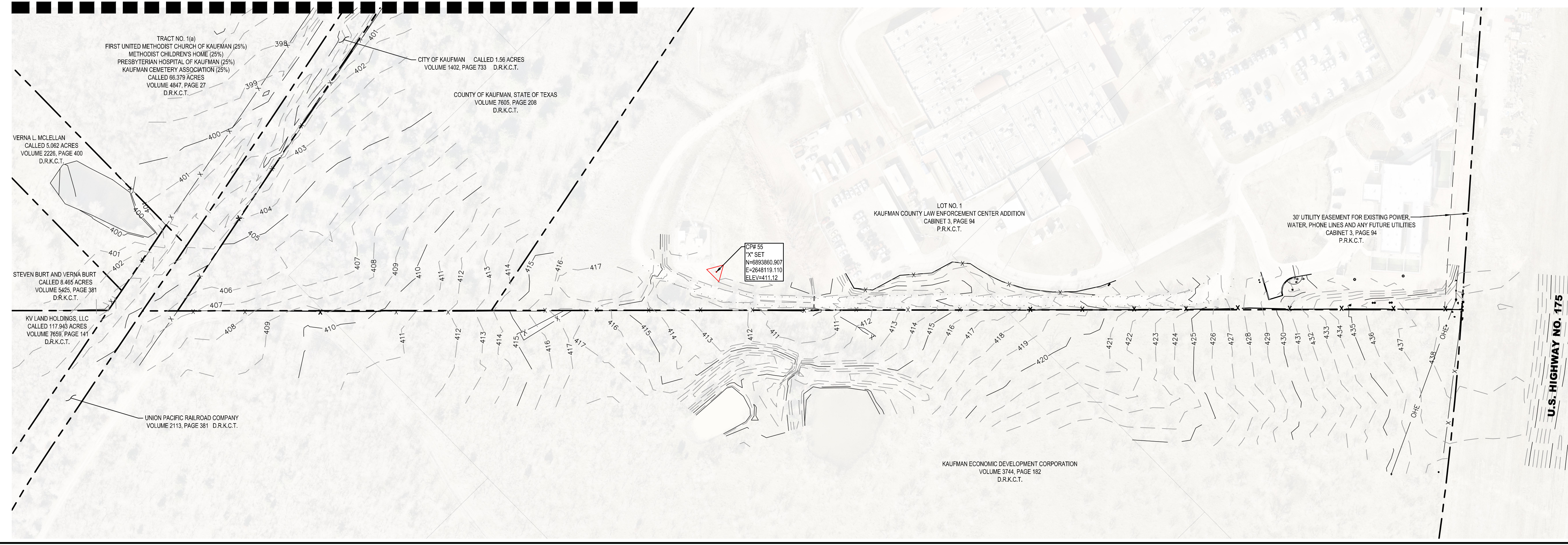
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www.tnpinc.com
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TBPELS: SURV 10011600, 10011601, 10194381
GBPE: PEF007431, TBAE: BR 2673

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
55	6893860.907	2648119.110	"X" SET	411.12
64	6895348.763	2646560.991	5/8 C.I.R.S. TNP CONTROL	409.92
65	6895701.226	2646714.646	"X" SET	409.13
66	6896051.744	2646821.507	"X" SET	412.42

SURVEY NOTE:
 1. BEARINGS ARE REFERENCED TO GRID NORTH OF THE TEXAS COORDINATE SYSTEM OF 1983 (NORTH CENTRAL ZONE 4202; NAD83(2011) EPOCH 2010). DISTANCES SHOWN HAVE BEEN ADJUSTED TO SURFACE BY APPLYING AN AVERAGE COMBINATION SCALE FACTOR OF 1.000114077



MATCH LINE THIS SHEET



Drawing: T:\Projects\KFM22494\ENR\CADD\SHR\ENR\KFM22494-PROJECT CONTROL.dwg at Nov 08, 2023 2:32pm by ptomasek

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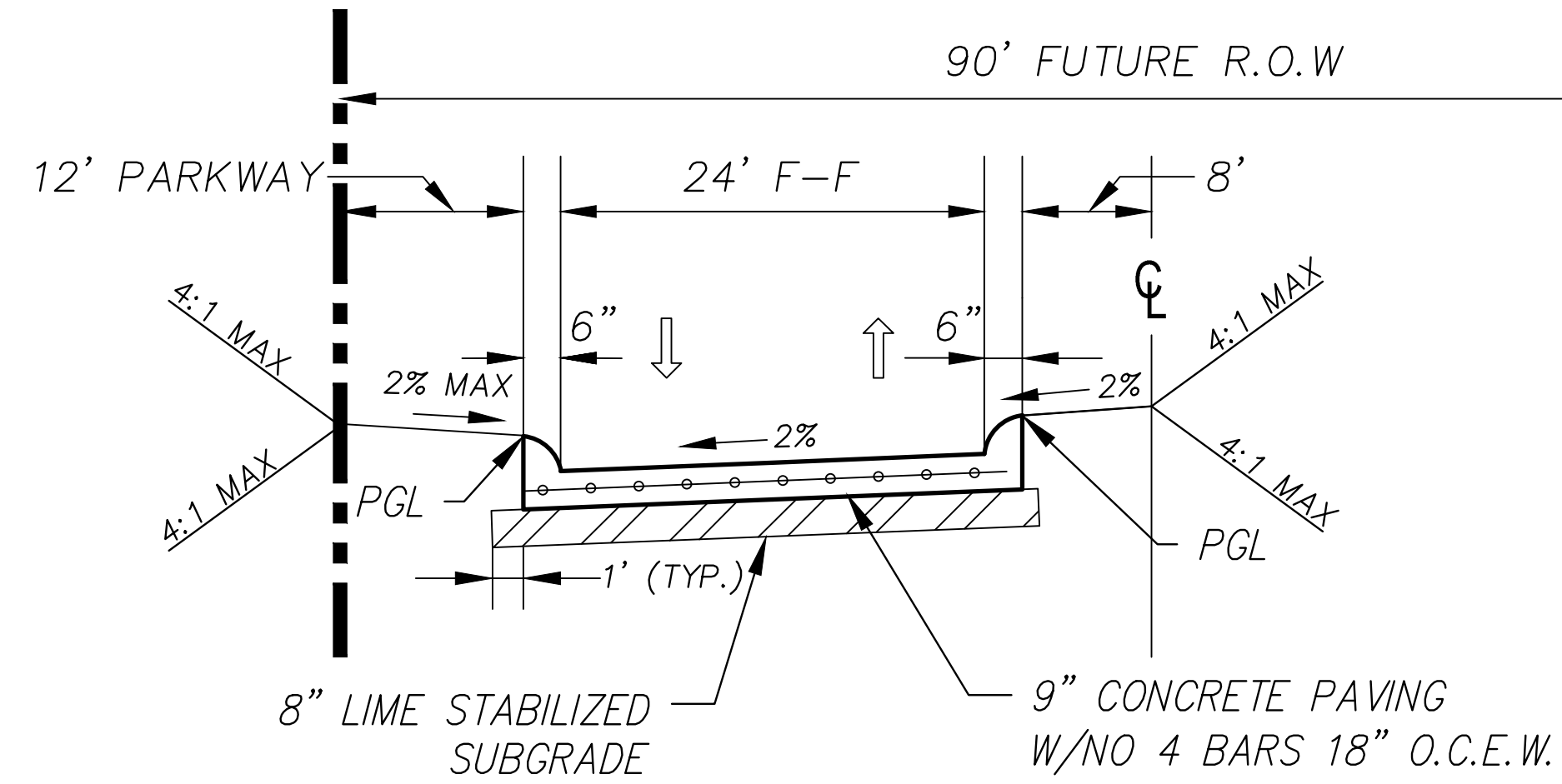
THIS SHEET IS FOR INFORMATION ONLY

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 vert N/A
 NOV 2023

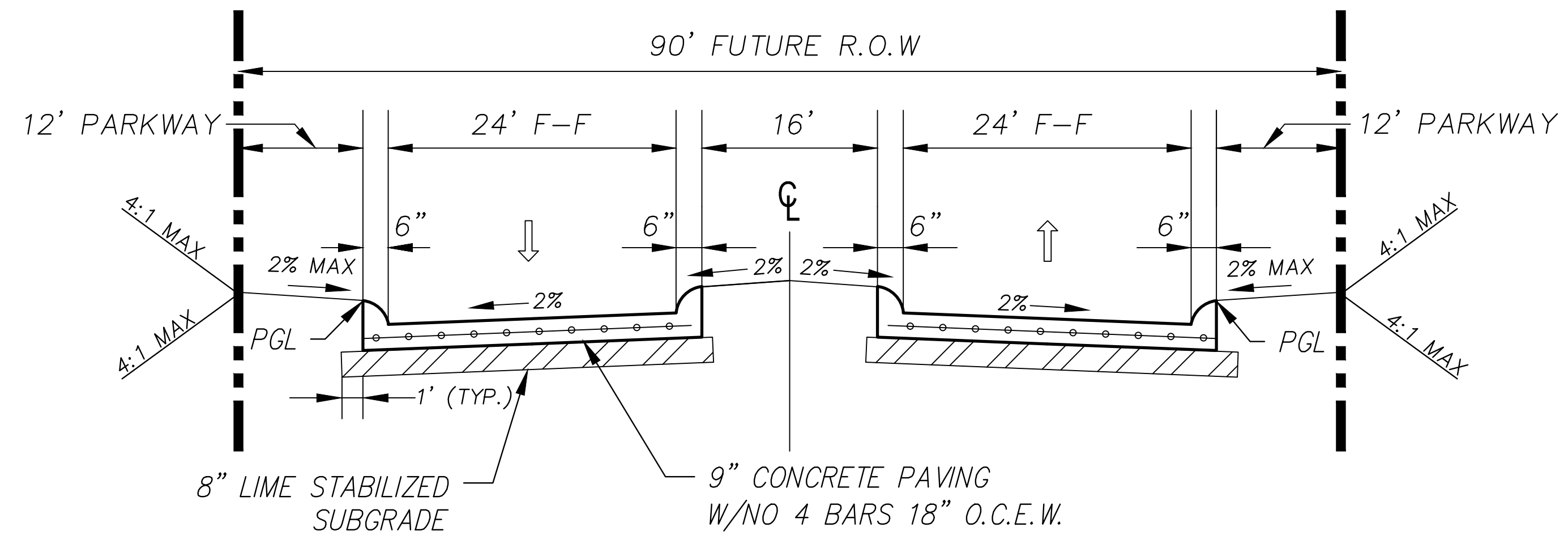
KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PROJECT CONTROL SHEET

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ROAD 1 PROPOSED TYPICAL SECTION



ROAD 1 FUTURE TYPICAL SECTION

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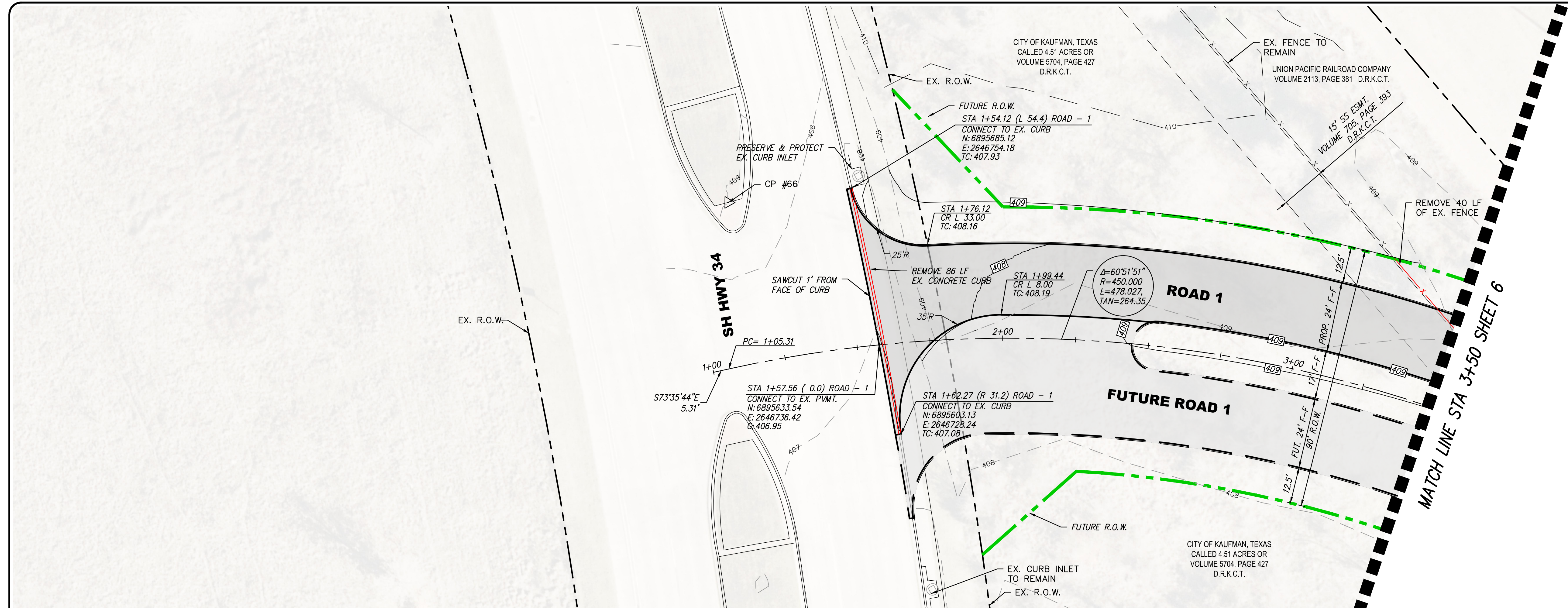
STATE OF TEXAS
 TAYLOR SUTTON
 125514
 LICENSED PROFESSIONAL ENGINEER
 Taylor Sutton
 Date: 11/06/2023

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 horiz
 N/A
 vert
 N/A
 NOV 2023

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 KAUFMAN, TX 75142
 PH: 469-376-4100

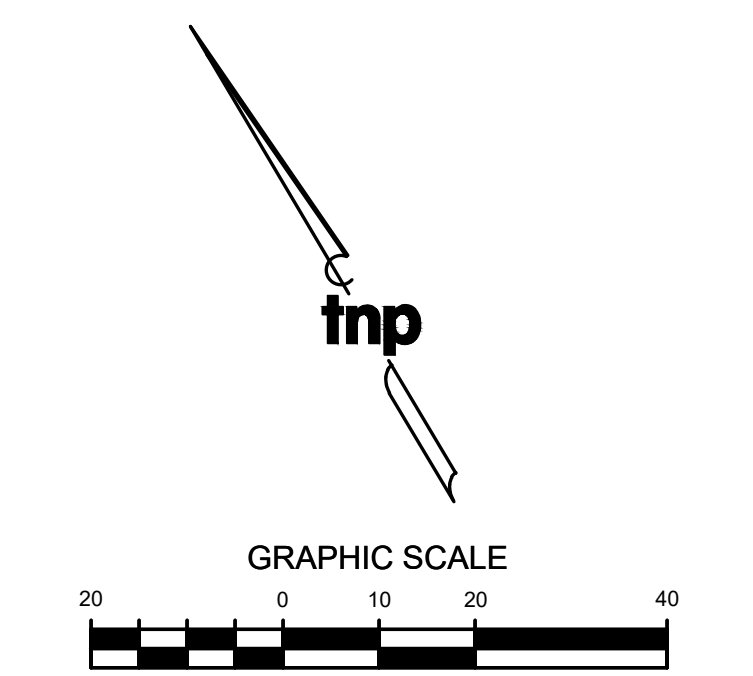
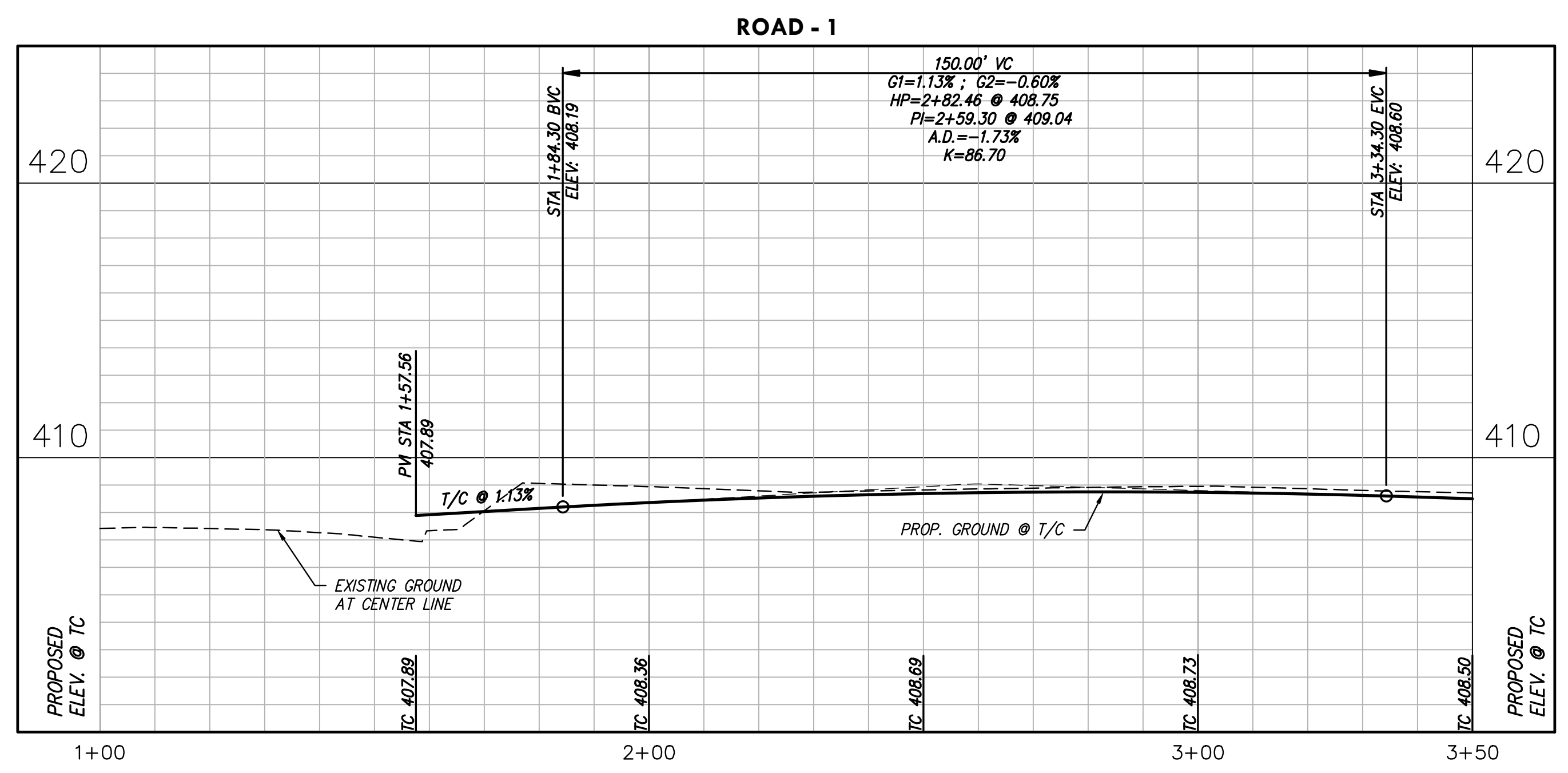
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
TYPICAL SECTION ROAD 1

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NOTES:
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LEGEND	
	PROPOSED CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	FUTURE RIGHT-OF-WAY
	FUTURE CURB
	EXISTING FENCE
	FENCE TO BE REMOVED
	ITEMS TO BE REMOVED
	EXISTING EASEMENT
	EXISTING PROPERTY LINES
	PROPOSED CENTER LINE
	FLOODPLAIN
	500 - EXISTING MINOR CONTOUR
	-500 - EXISTING MAJOR CONTOUR
	500 - PROPOSED CONTOUR
	PROPOSED HEADWALL

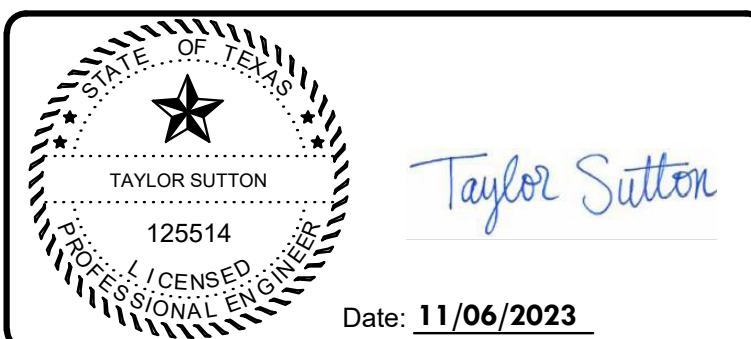


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 GBPE: PEF007431; TBAE: BR 2673



scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

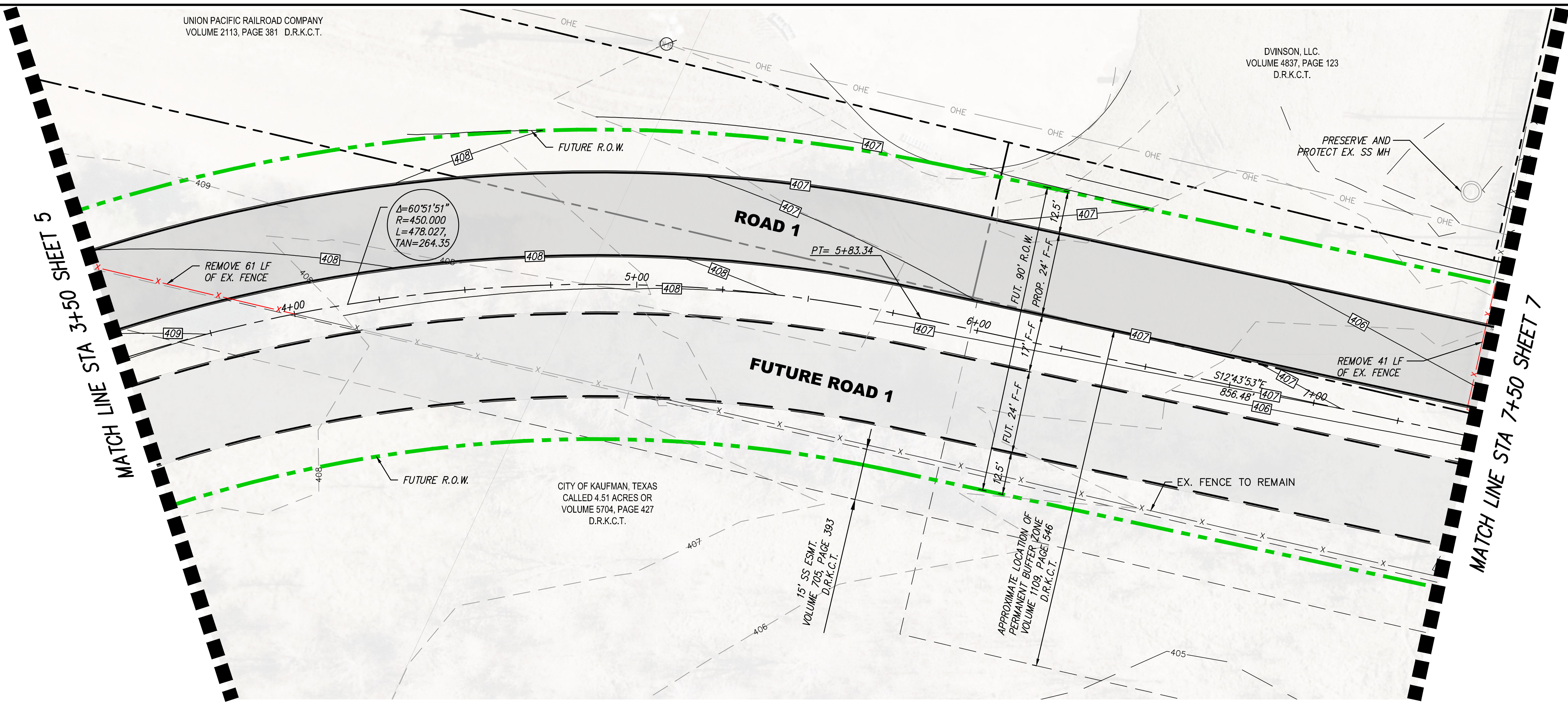
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1 STA
1+00 TO 3+50

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UNION PACIFIC RAILROAD COMPANY
VOLUME 2113, PAGE 381 D.R.K.C.T.

DVINSON, LLC.
VOLUME 4837, PAGE 123
D.R.K.C.T.

CITY OF KAUFMAN, TEXAS
CALLED 4.51 ACRES OR
VOLUME 5704, PAGE 427
D.R.K.C.T.

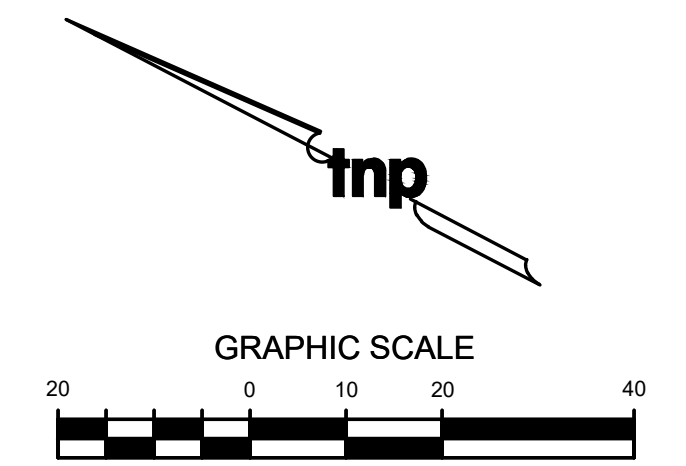
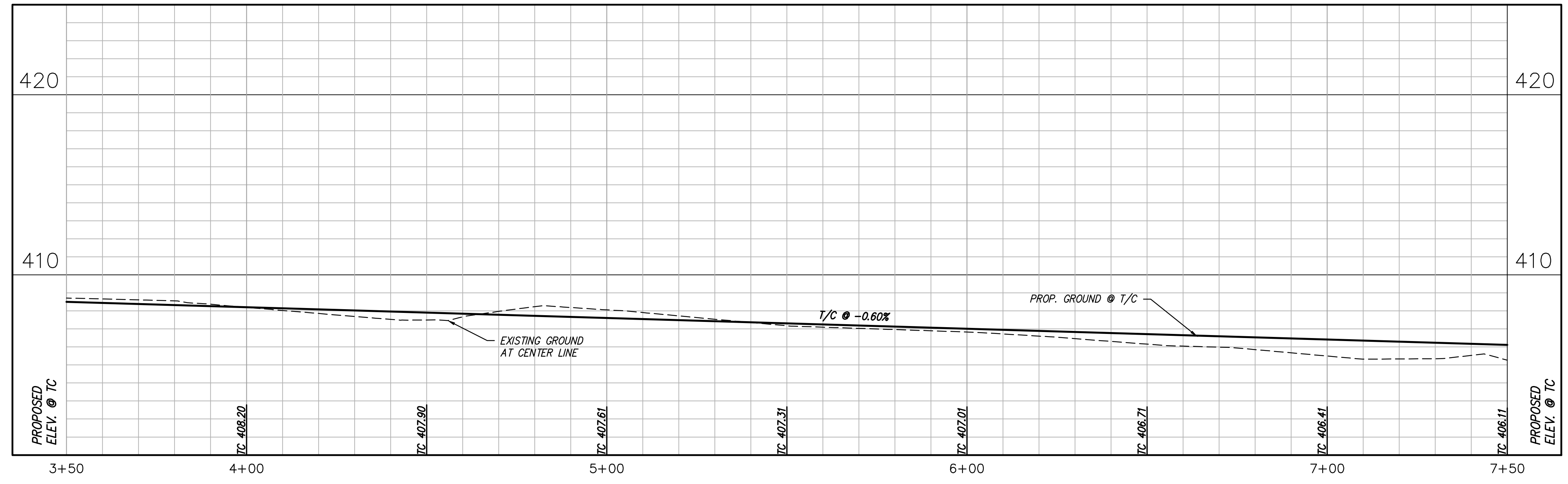


NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. FUTURE ROADWAY IS SHOWN FOR PLANNING PURPOSES ONLY. ONLY PROPOSED ROADWAY IS INCLUDED IN THIS PROJECT SCOPE.

LEGEND

- PROPOSED CONCRETE PAVEMENT
- FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
- FUTURE RIGHT-OF-WAY
- FUTURE CURB
- EXISTING FENCE
- FENCE TO BE REMOVED
- ITEMS TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PROPERTY LINES
- PROPOSED CENTER LINE
- FLOODPLAIN
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED CONTOUR
- PROPOSED HEADWALL

ROAD - 1



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GBPE: PEF007431; TBAE: BR 2673

STATE OF TEXAS
TAYLOR SUTTON
125514
LICENSED PROFESSIONAL ENGINEER
Taylor Sutton
Date: 11/06/2023

scale
when bar is
1 inch long
horiz
1"=20'
vert
1"=4'
NOV 2023

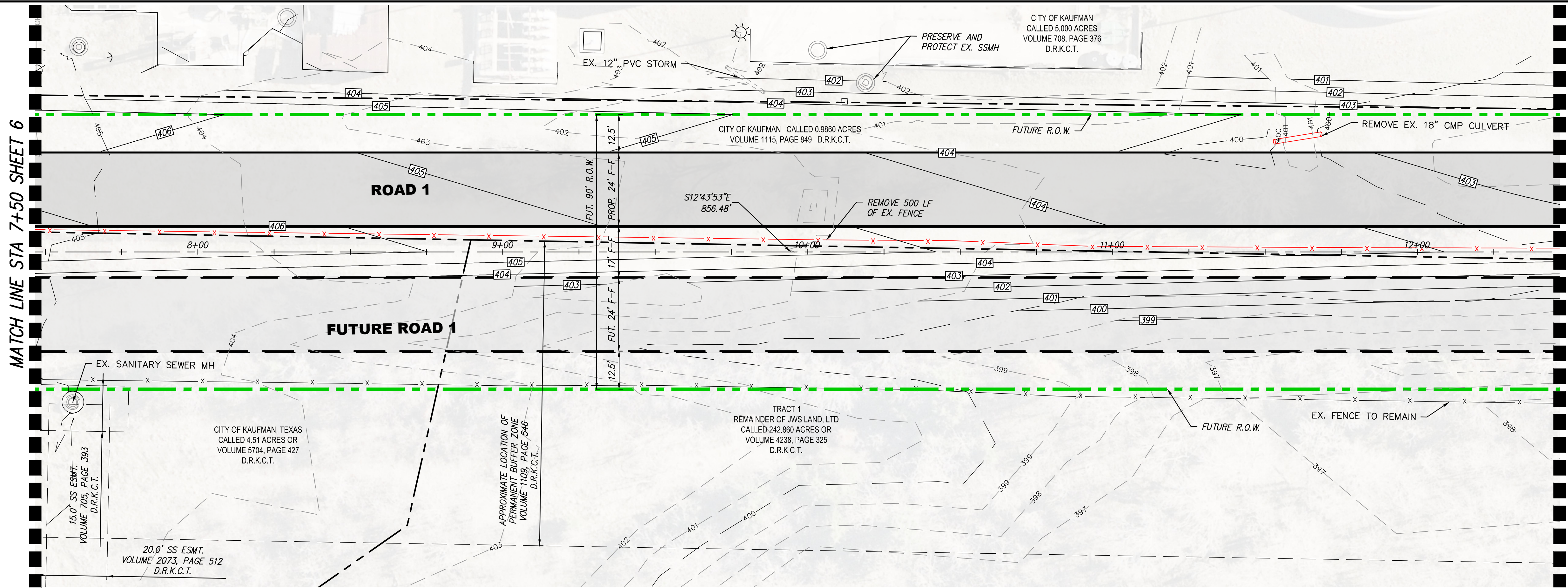
KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1 STA
3+50 TO 7+50

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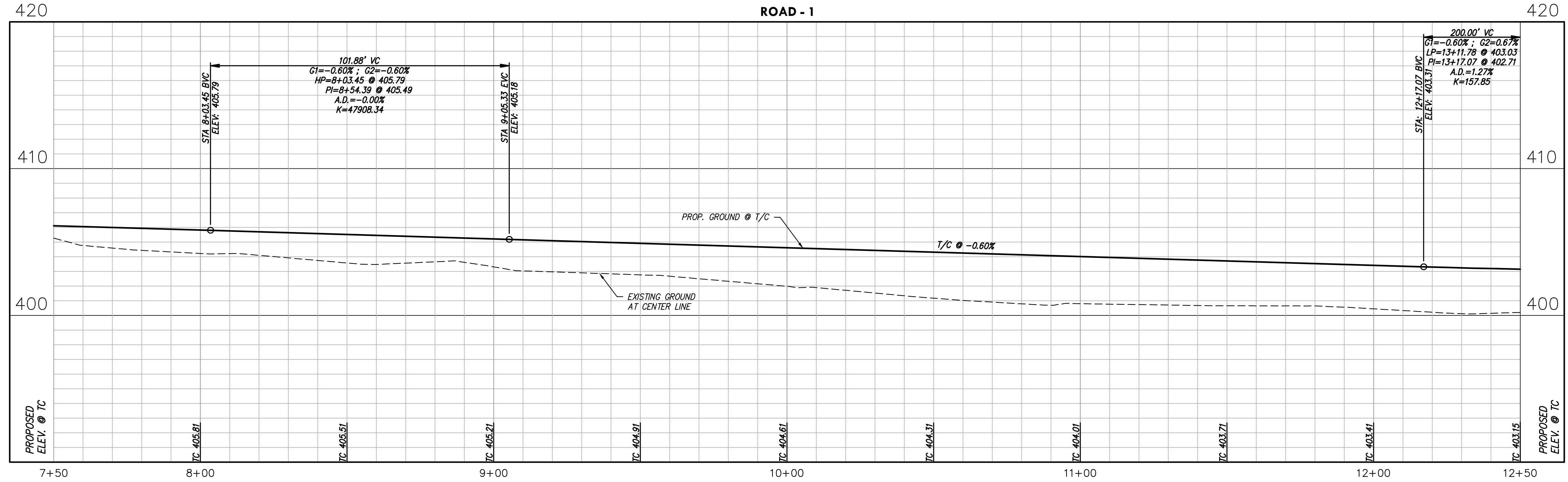
MATCH LINE STA 7+50 SHEET 6

MATCH LINE STA 12+50 SHEET 8



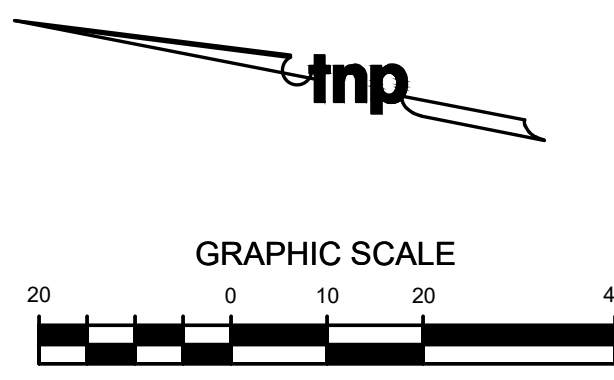
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ROAD - 1



LEGEND

- PROPOSED CONCRETE PAVEMENT
- FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
- FUTURE RIGHT-OF-WAY
- FUTURE CURB
- EXISTING FENCE
- FENCE TO BE REMOVED
- ITEMS TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PROPERTY LINES
- PROPOSED CENTER LINE
- FLOODPLAIN
- 500 - EXISTING MINOR CONTOUR
- 500 - EXISTING MAJOR CONTOUR
- 500 - PROPOSED CONTOUR
- PROPOSED HEADWALL

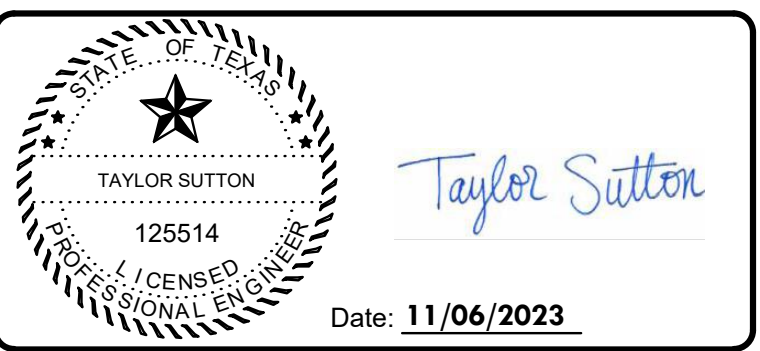


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scale
 when bar is
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 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

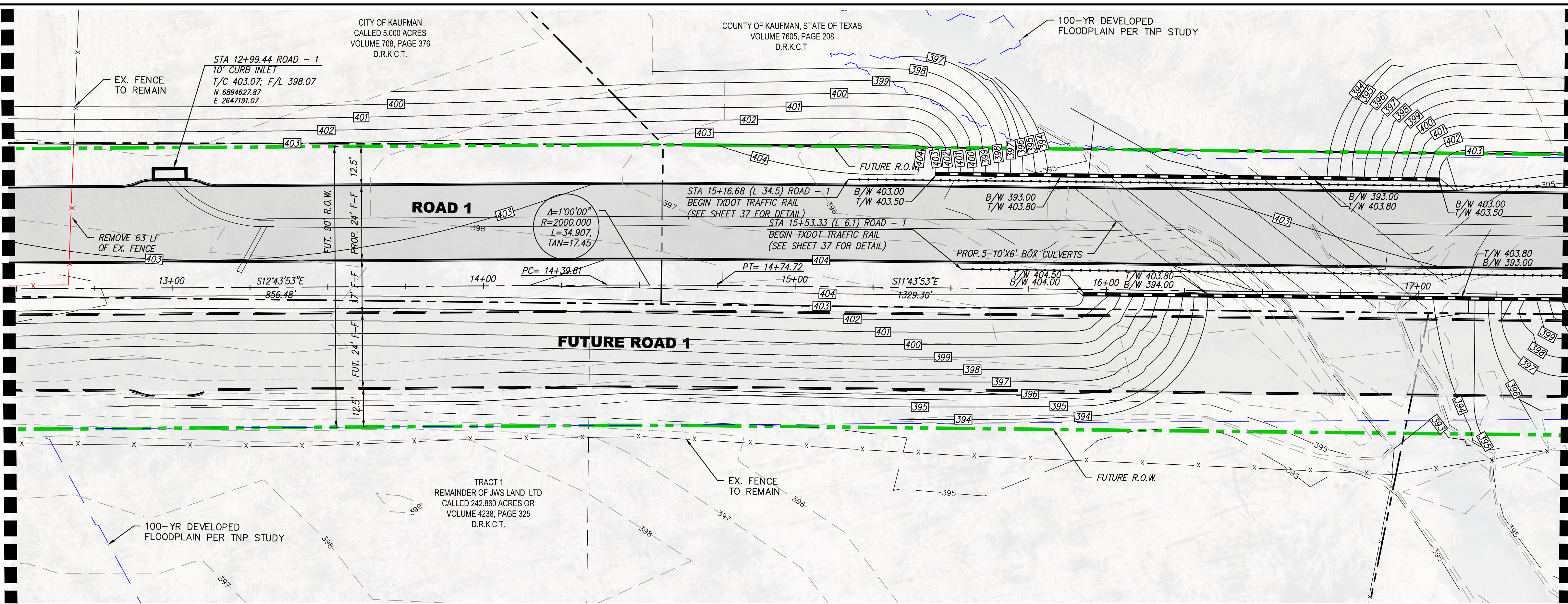
KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1 STA
7+50 TO 12+50

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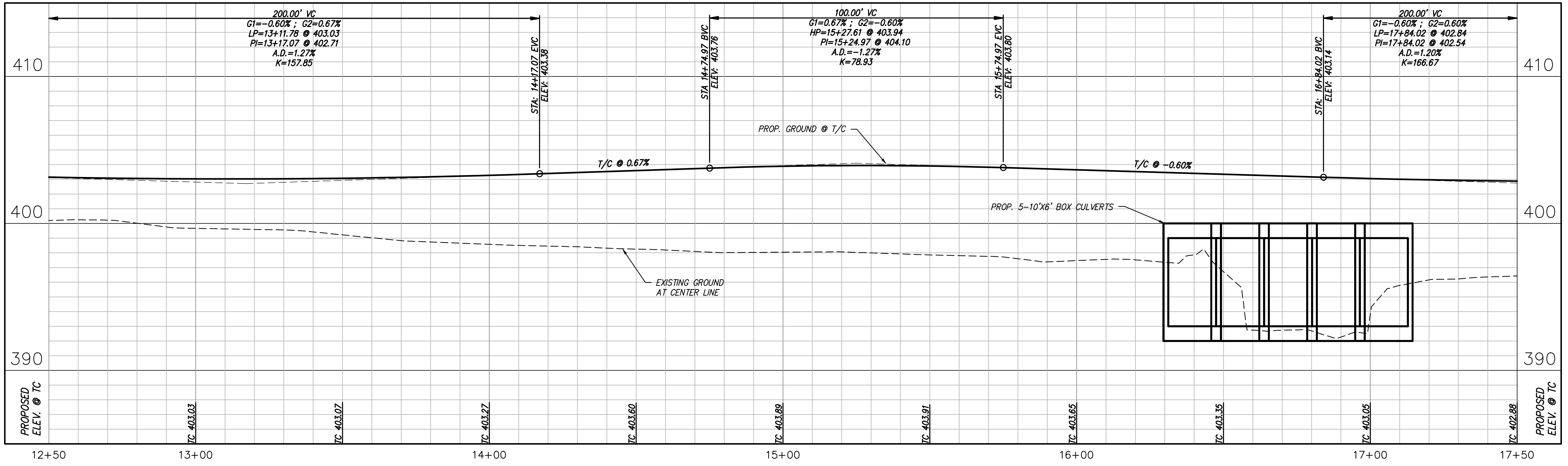
MATCH LINE STA 12+50 SHEET 7

MATCH LINE STA 17+50 SHEET 9



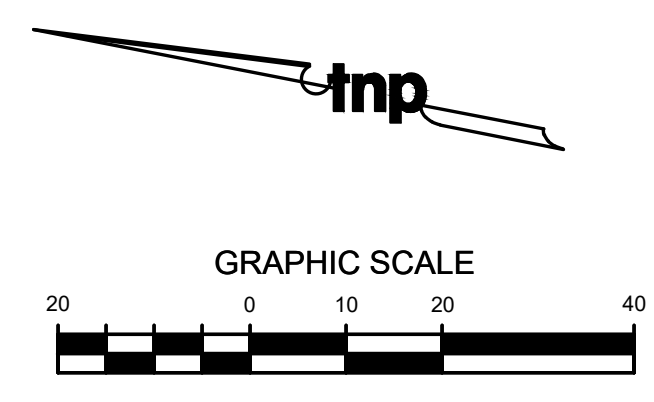
- NOTES:
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ROAD - 1



LEGEND

- PROPOSED CONCRETE PAVEMENT
- FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
- FUTURE RIGHT-OF-WAY
- FUTURE CURB
- EXISTING FENCE
- FENCE TO BE REMOVED
- ITEMS TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PROPERTY LINES
- PROPOSED CENTER LINE
- FLOODPLAIN
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED CONTOUR
- PROPOSED HEADWALL

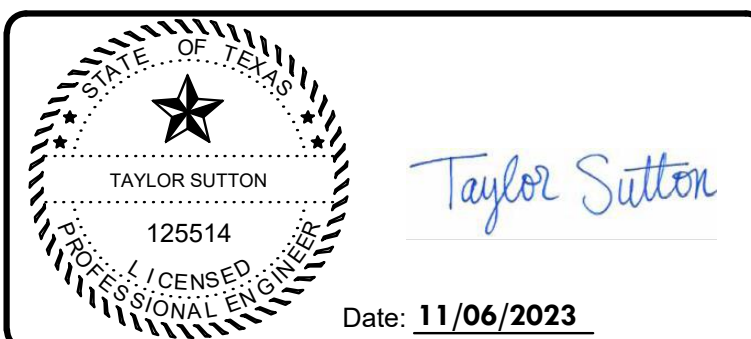


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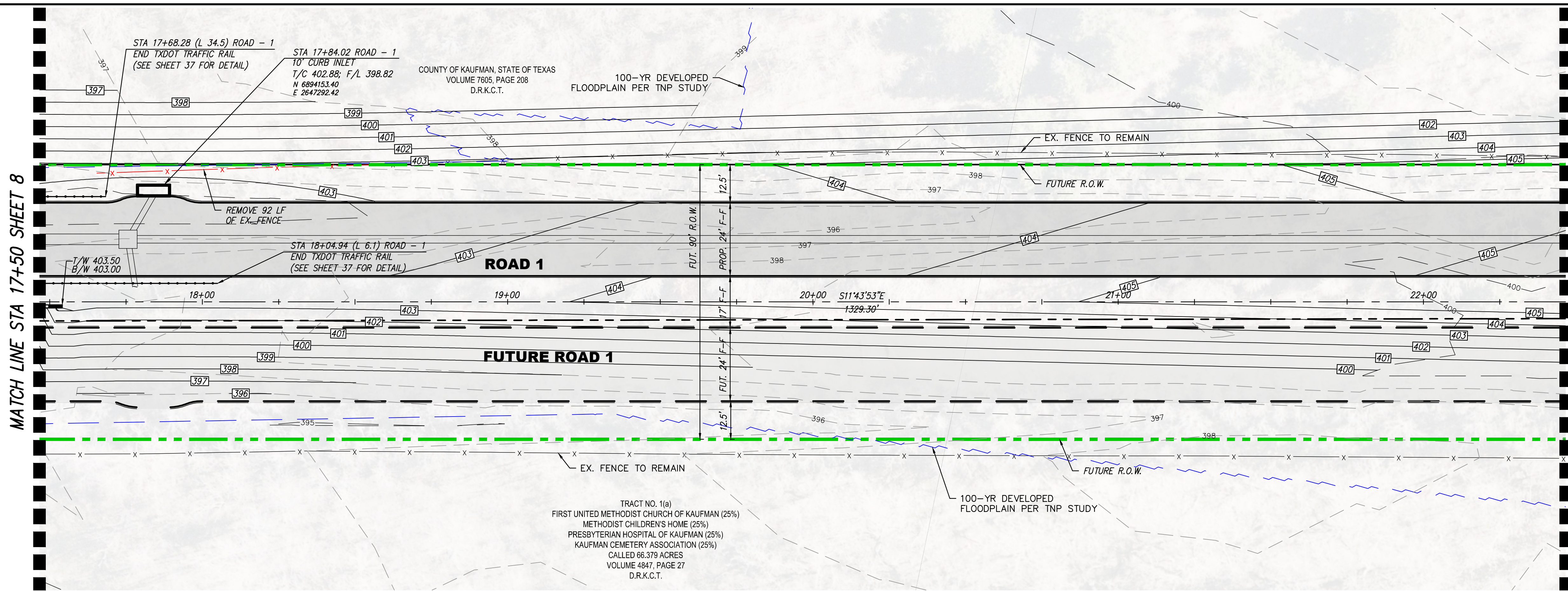


scale
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 NOV 2023

KAUFMAN COUNTY
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 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1 STA
12+50 TO 17+50

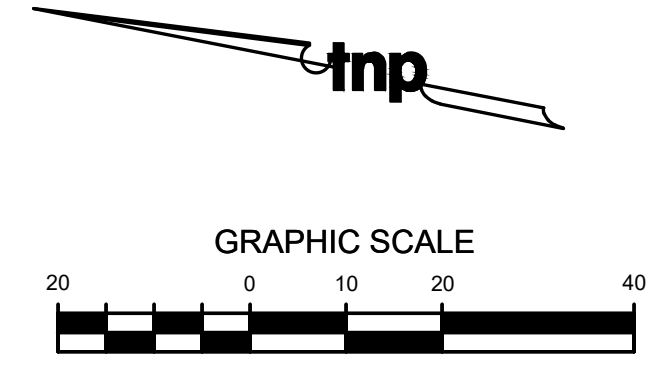
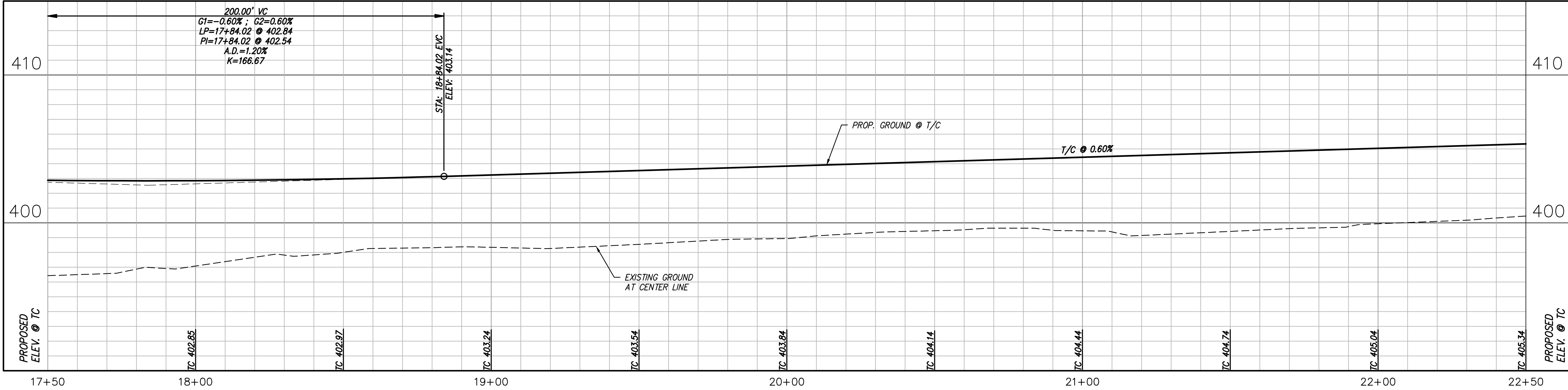
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8
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38



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	FUTURE CURB
	EXISTING FENCE
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	EXISTING PROPERTY LINES
	PROPOSED CENTER LINE
	FLOODPLAIN
	500 EXISTING MINOR CONTOUR
	-500 EXISTING MAJOR CONTOUR
	500 PROPOSED CONTOUR
	PROPOSED HEADWALL

ROAD - 1

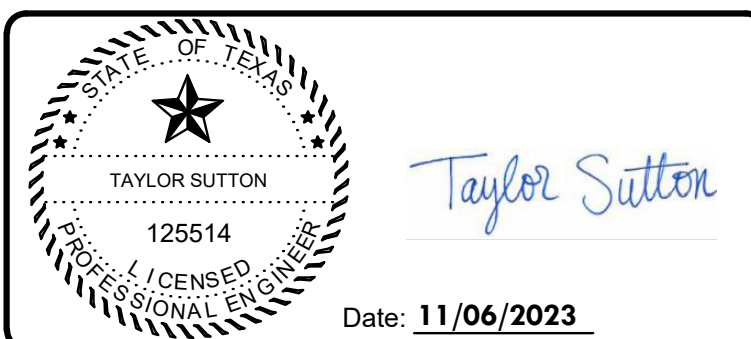


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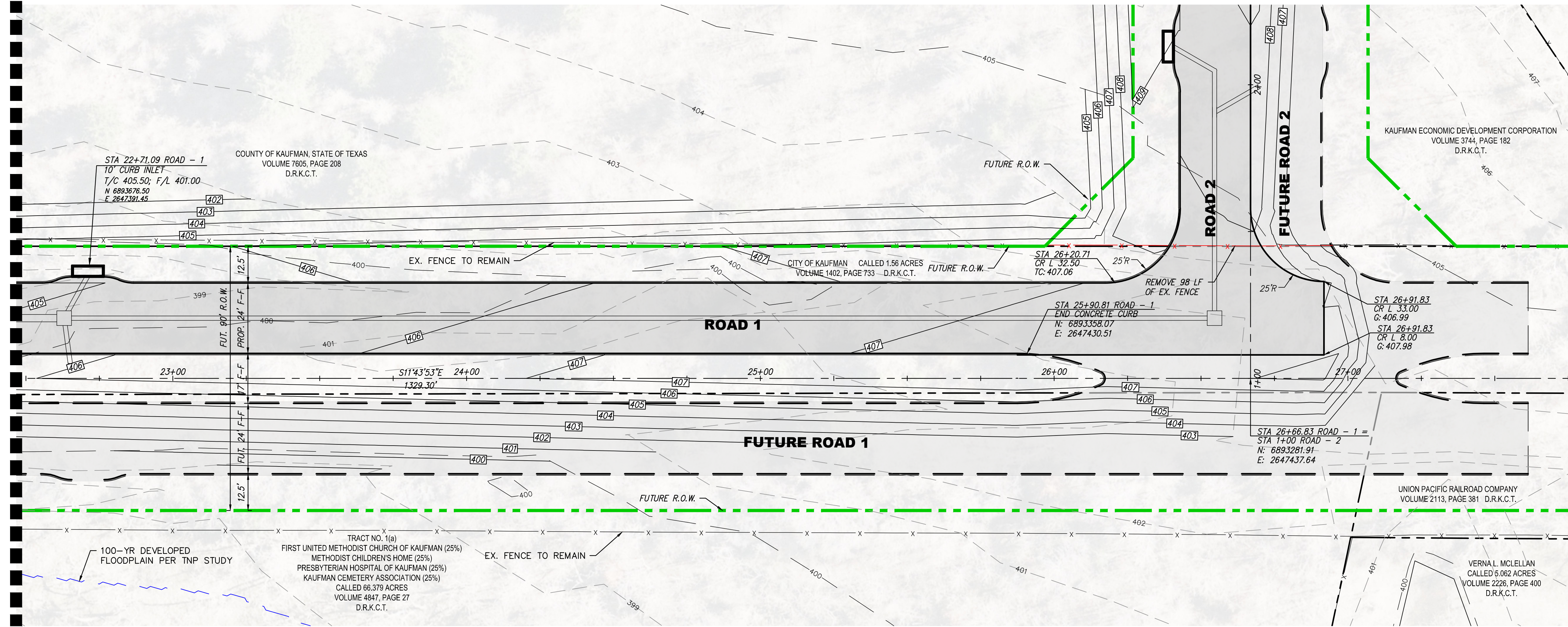
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 NOV 2023

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KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1
STA 17+50 TO 22+50

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KFM22494
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9
 of
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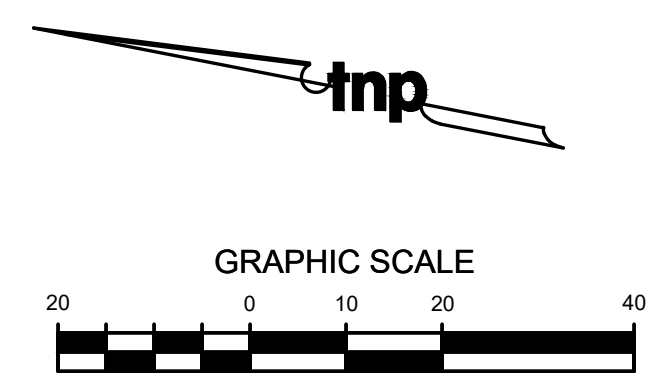
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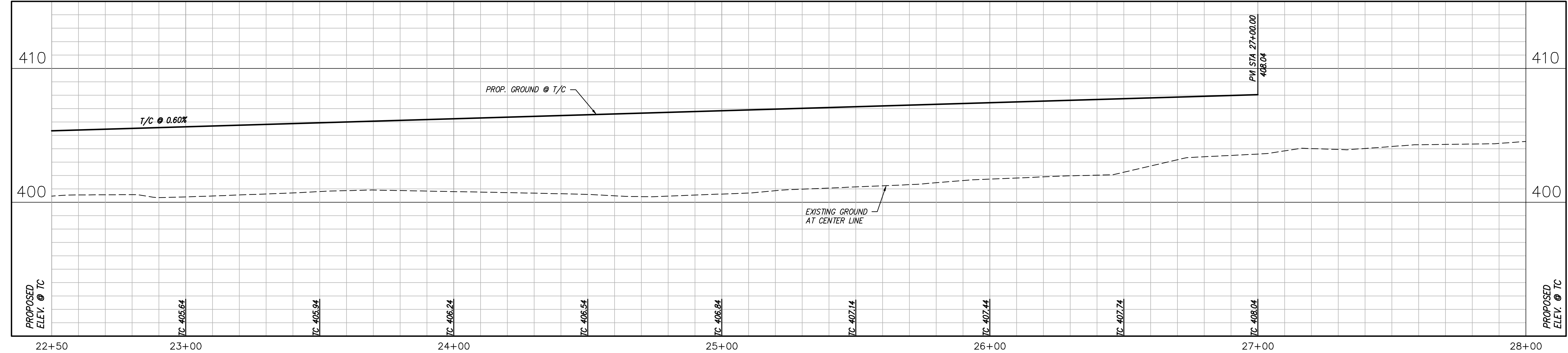
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- EXISTING FENCE
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- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED CONTOUR
- PROPOSED HEADWALL



ROAD - 1

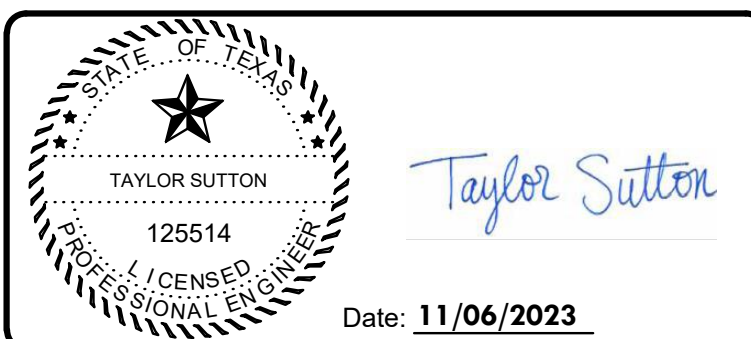


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 GBPES: PEF007431; TBAE: BR 2673

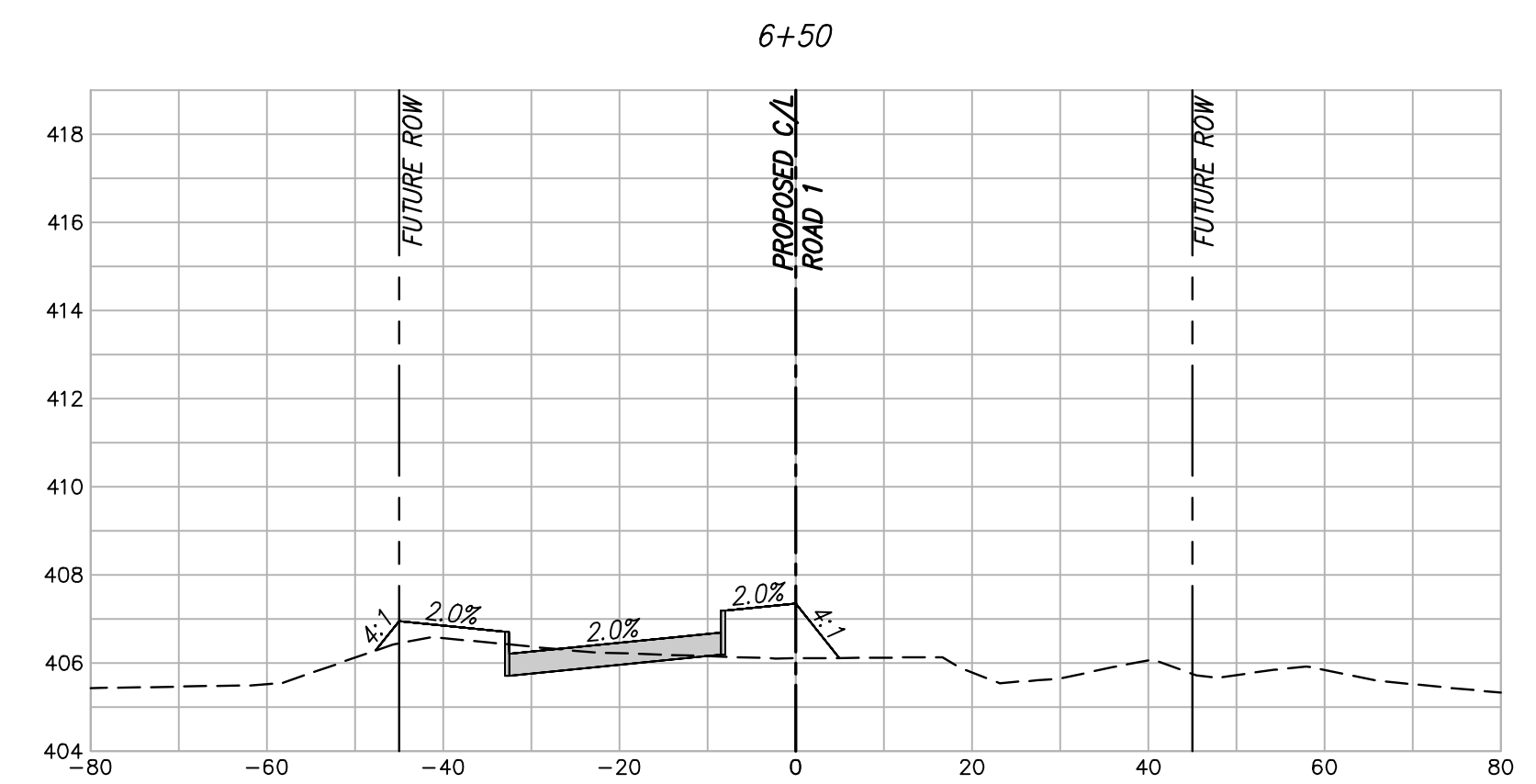
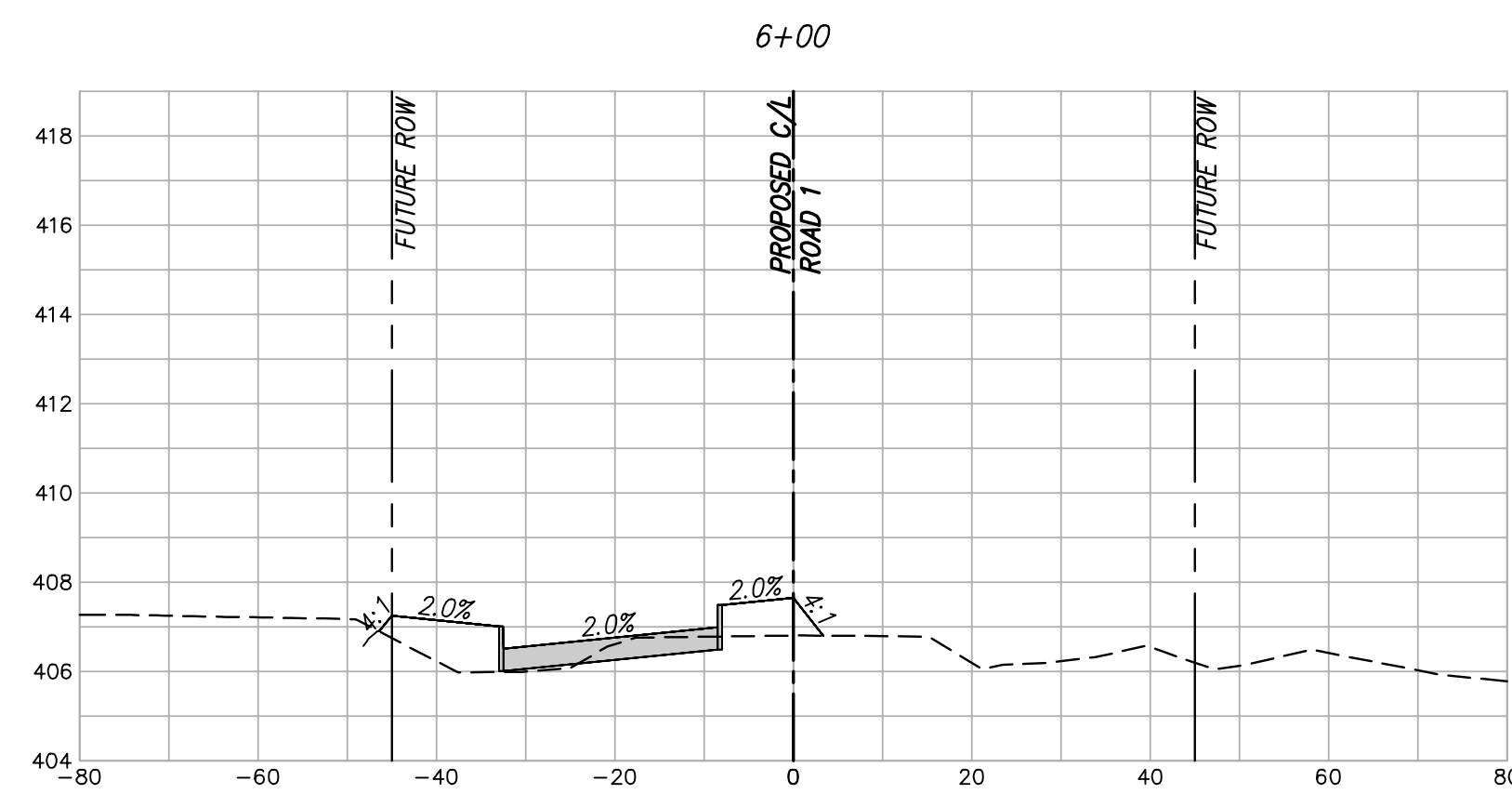
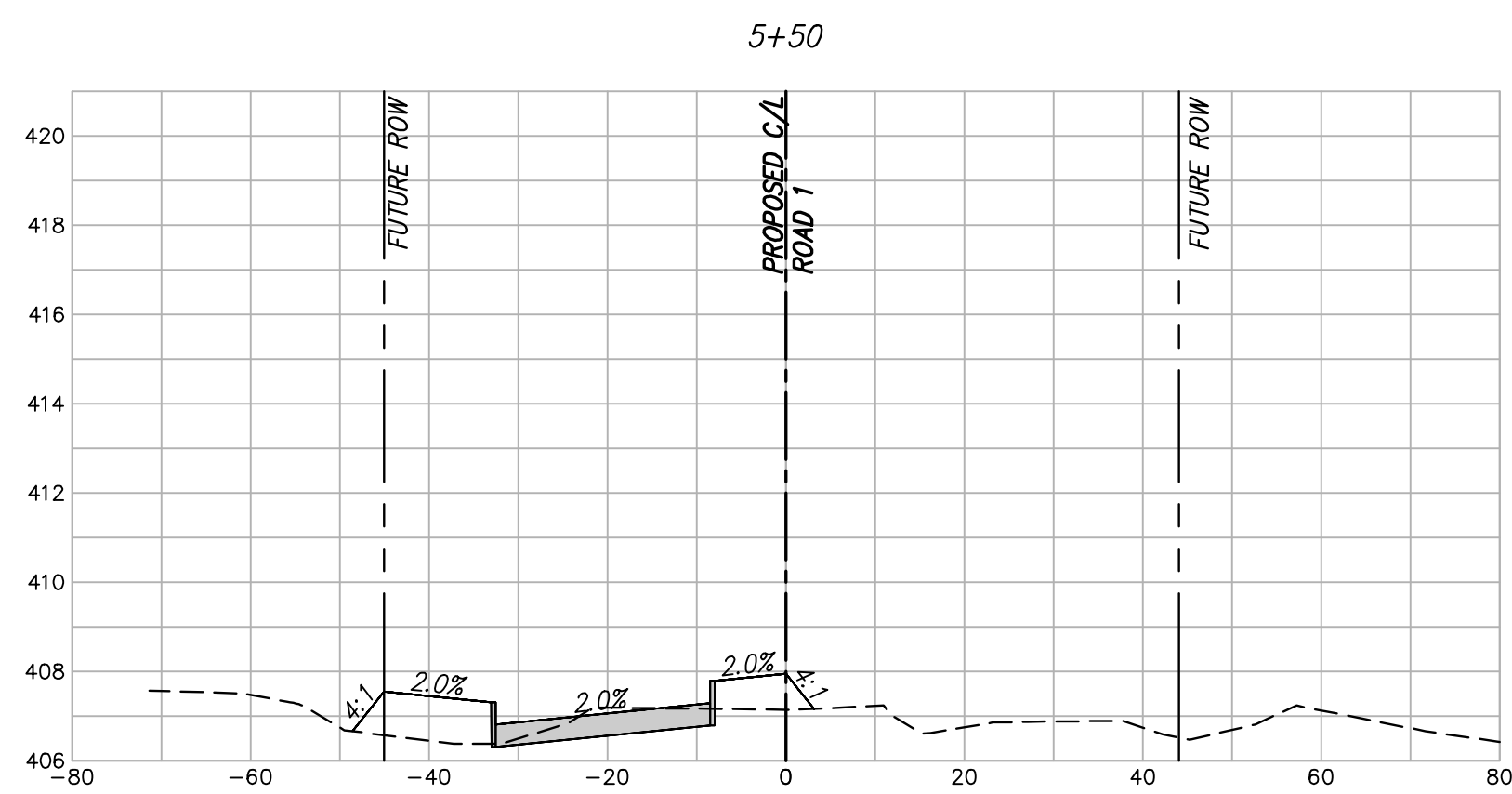
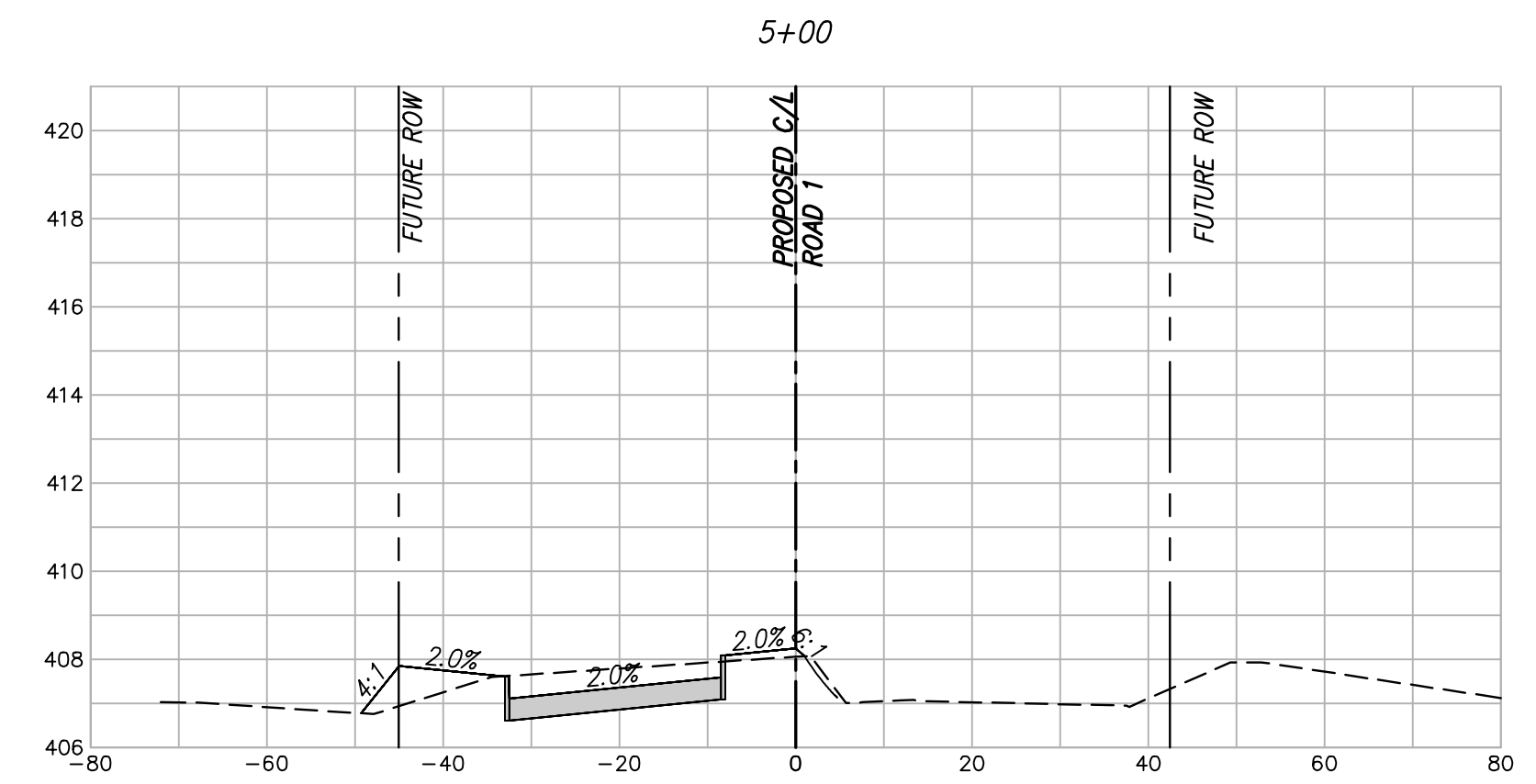
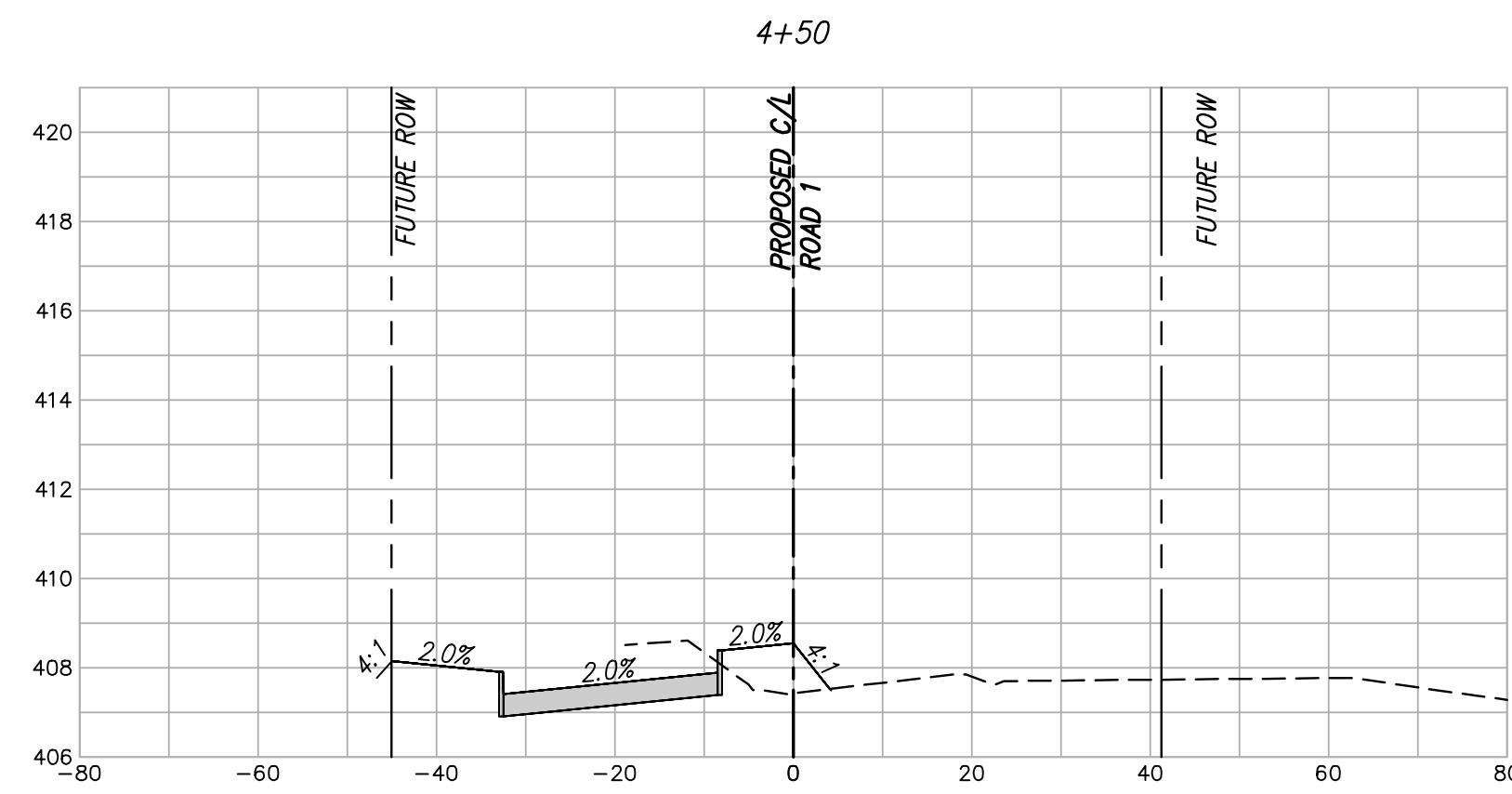
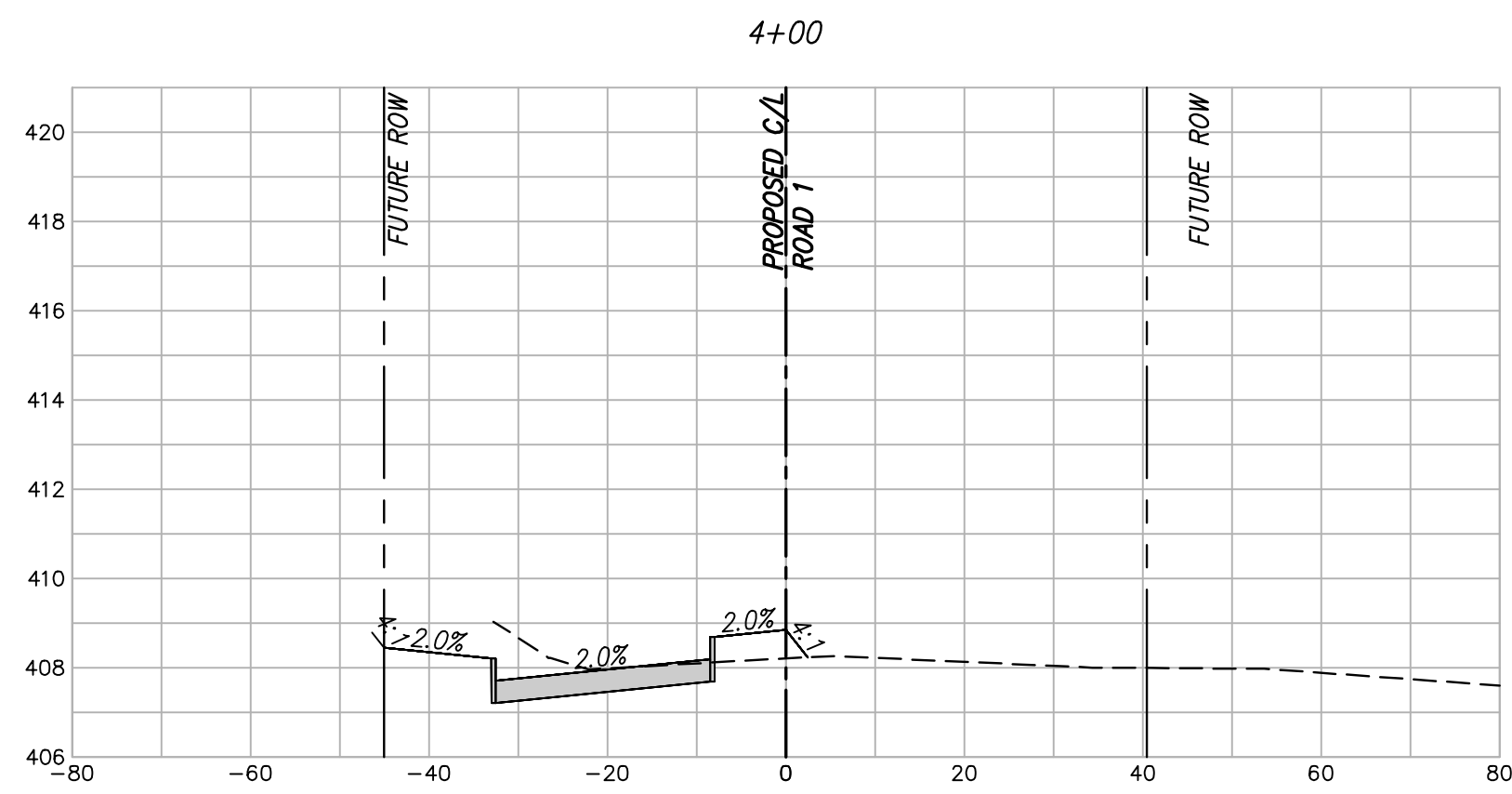
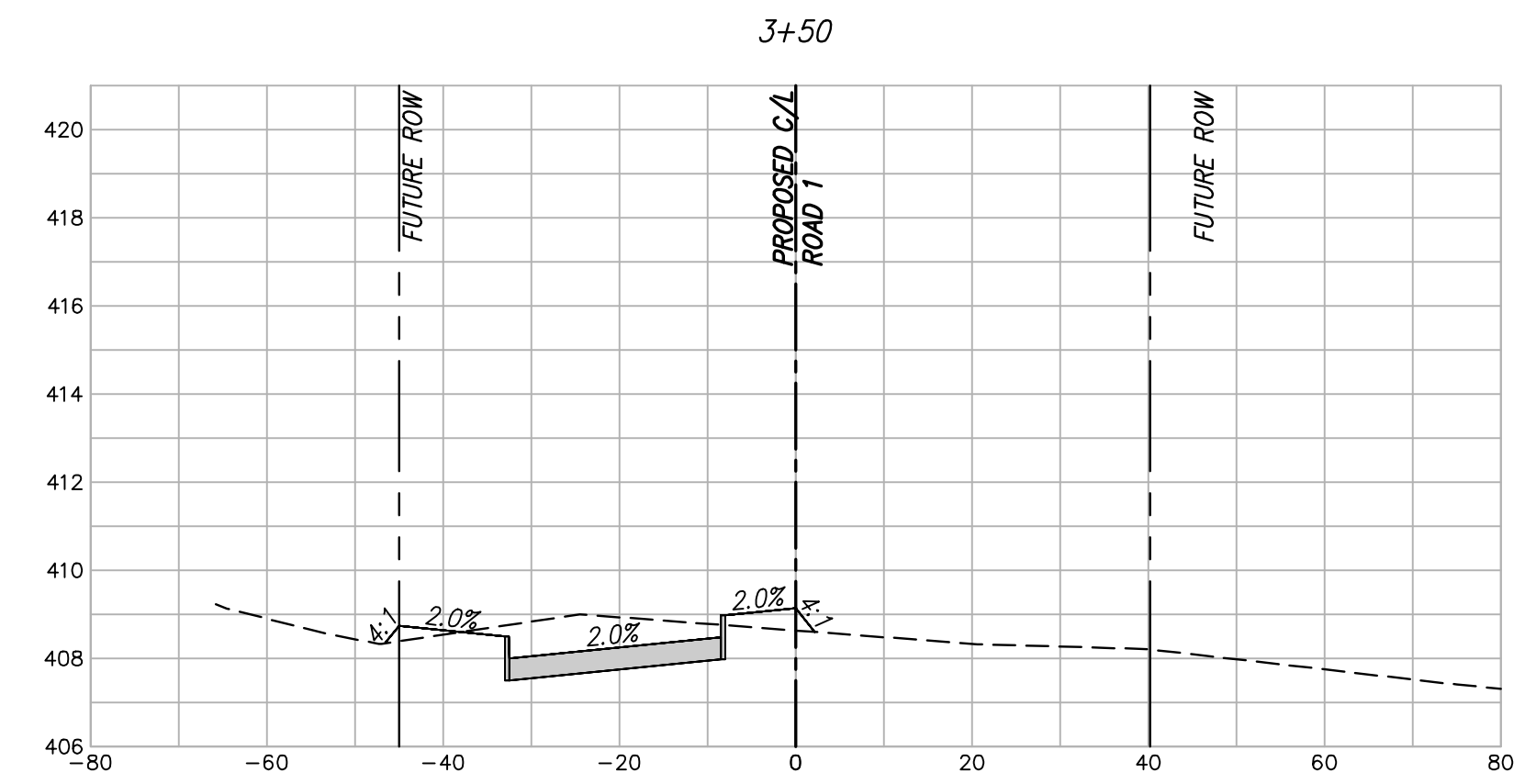
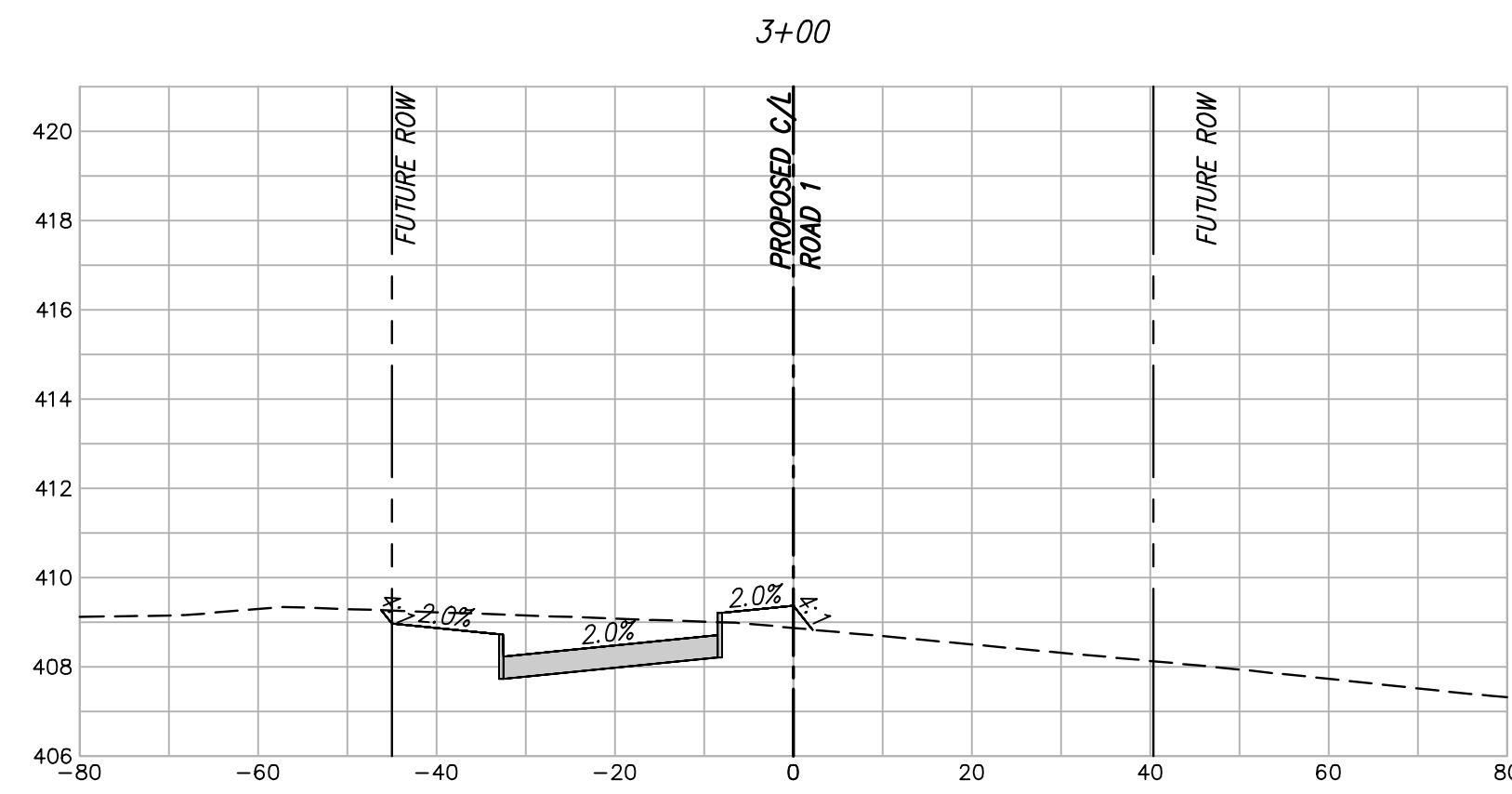
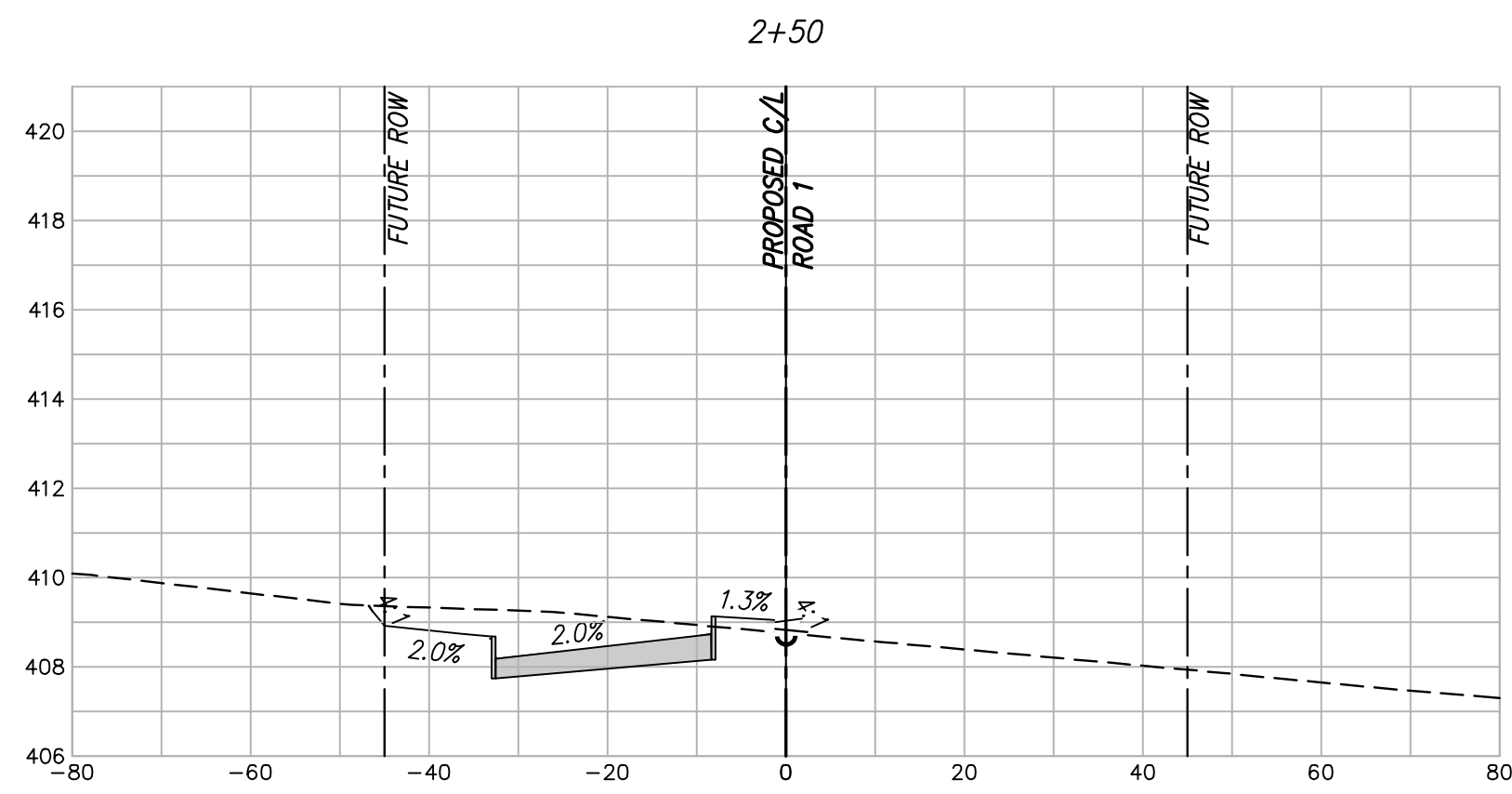


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 1 STA
22+50 TO END

tnp project
KFM22494
 sheet
10
 of
38



Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\SCROSS SECTION.dwg at Nov 08, 2022 2:54pm by ptowmsand

no.	revision	by	date



teague nall and perkins, inc
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 GBPE: PEF007431; TBAE: BR 2673

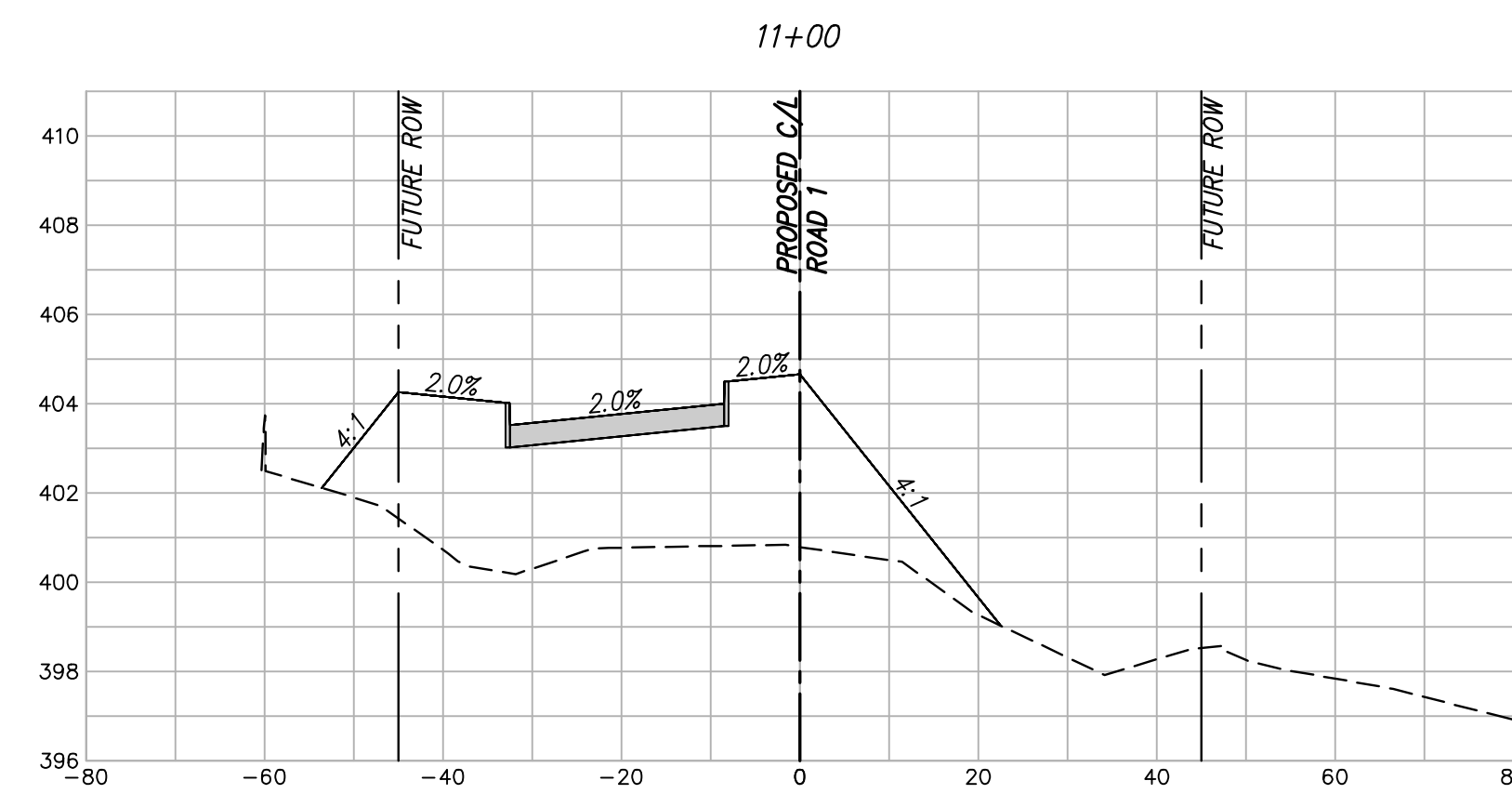
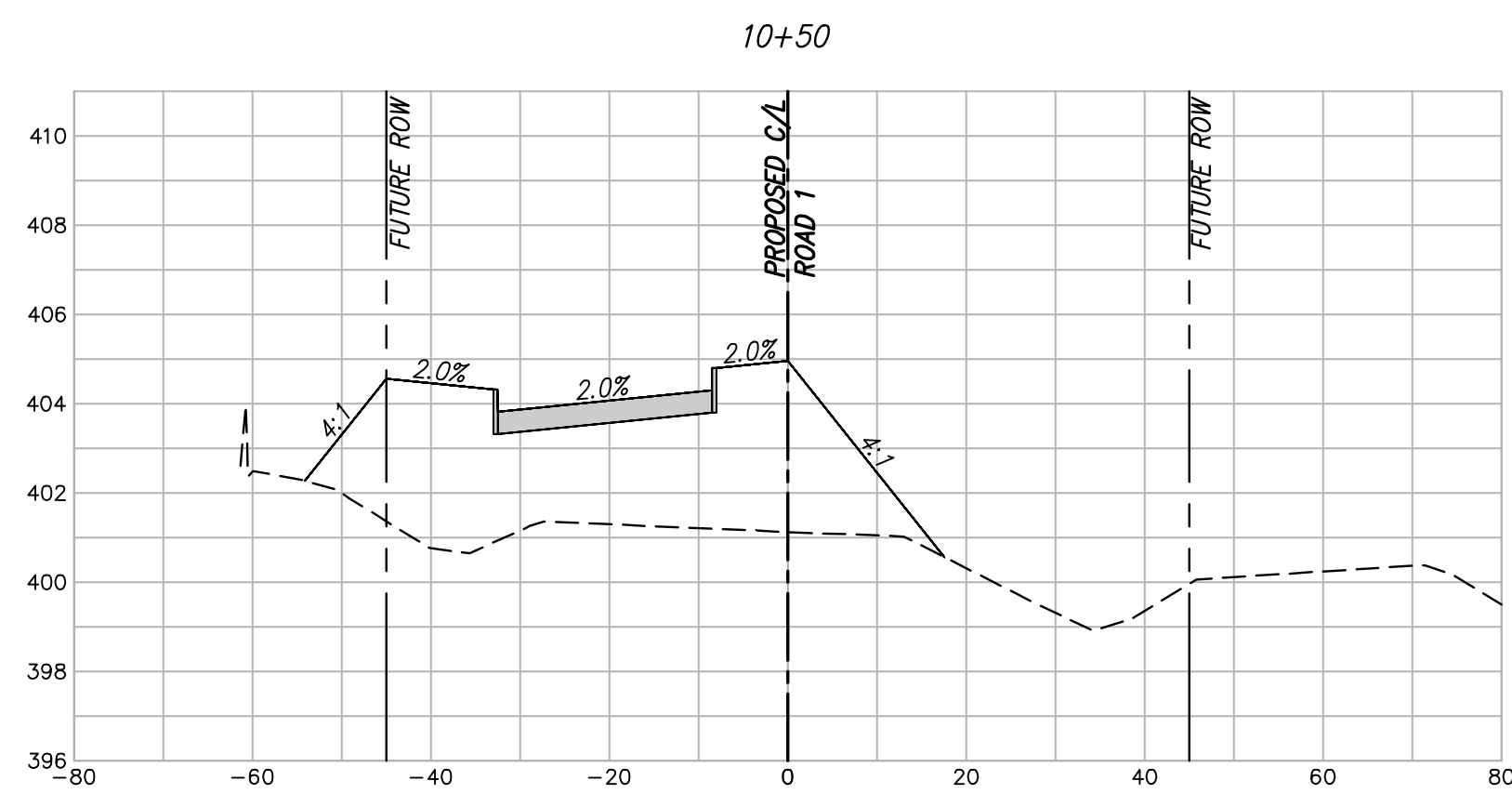
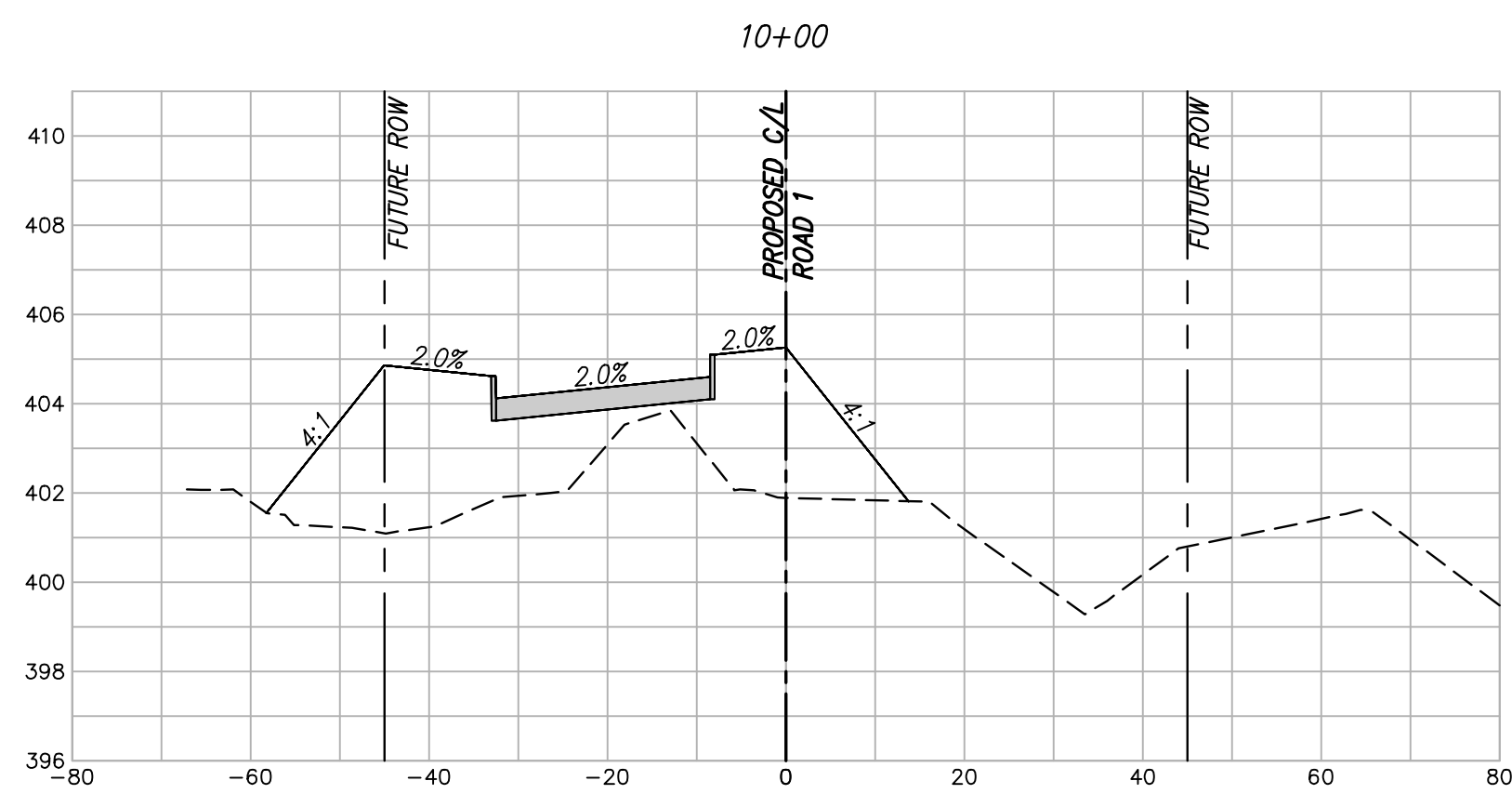
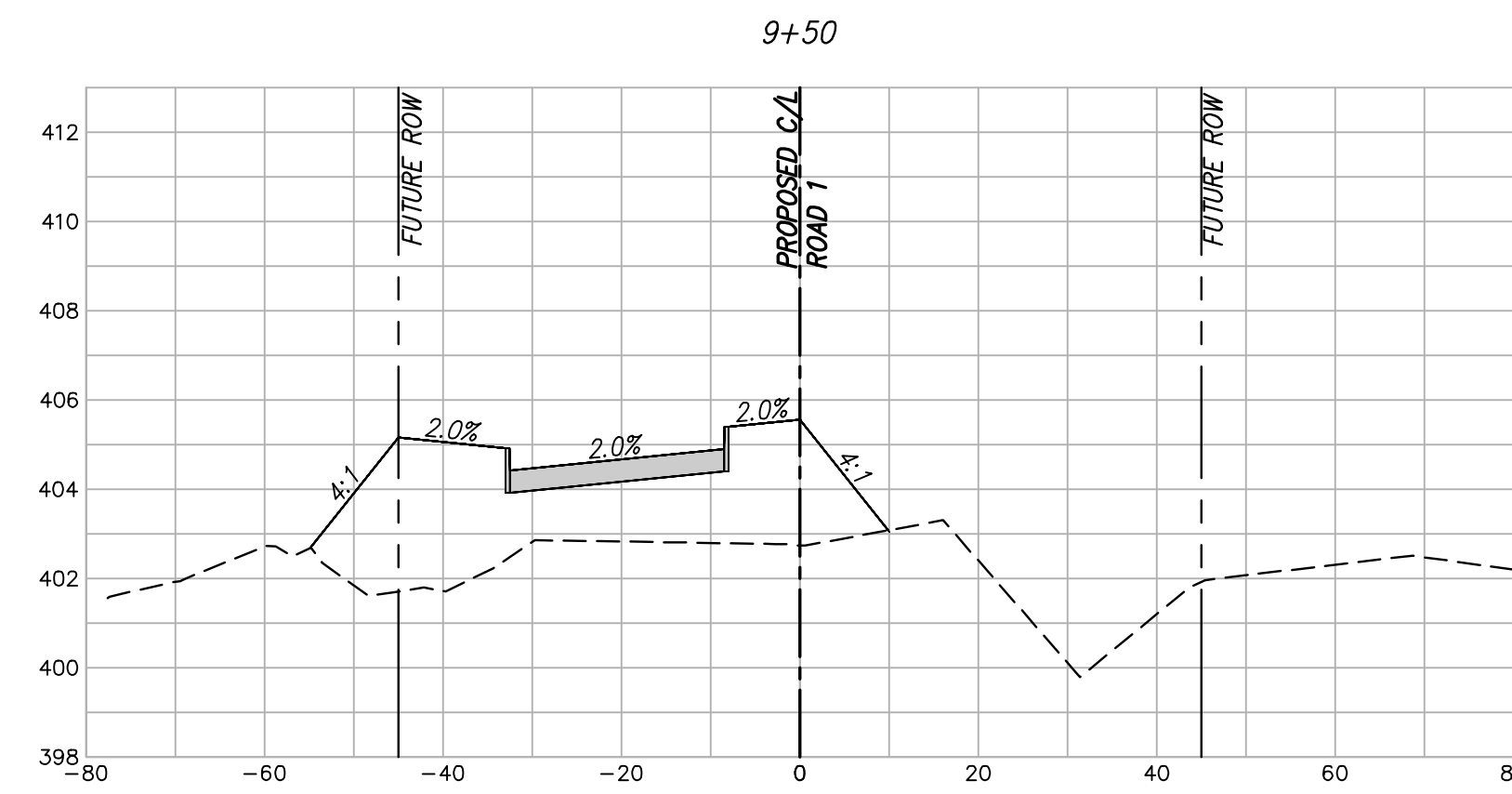
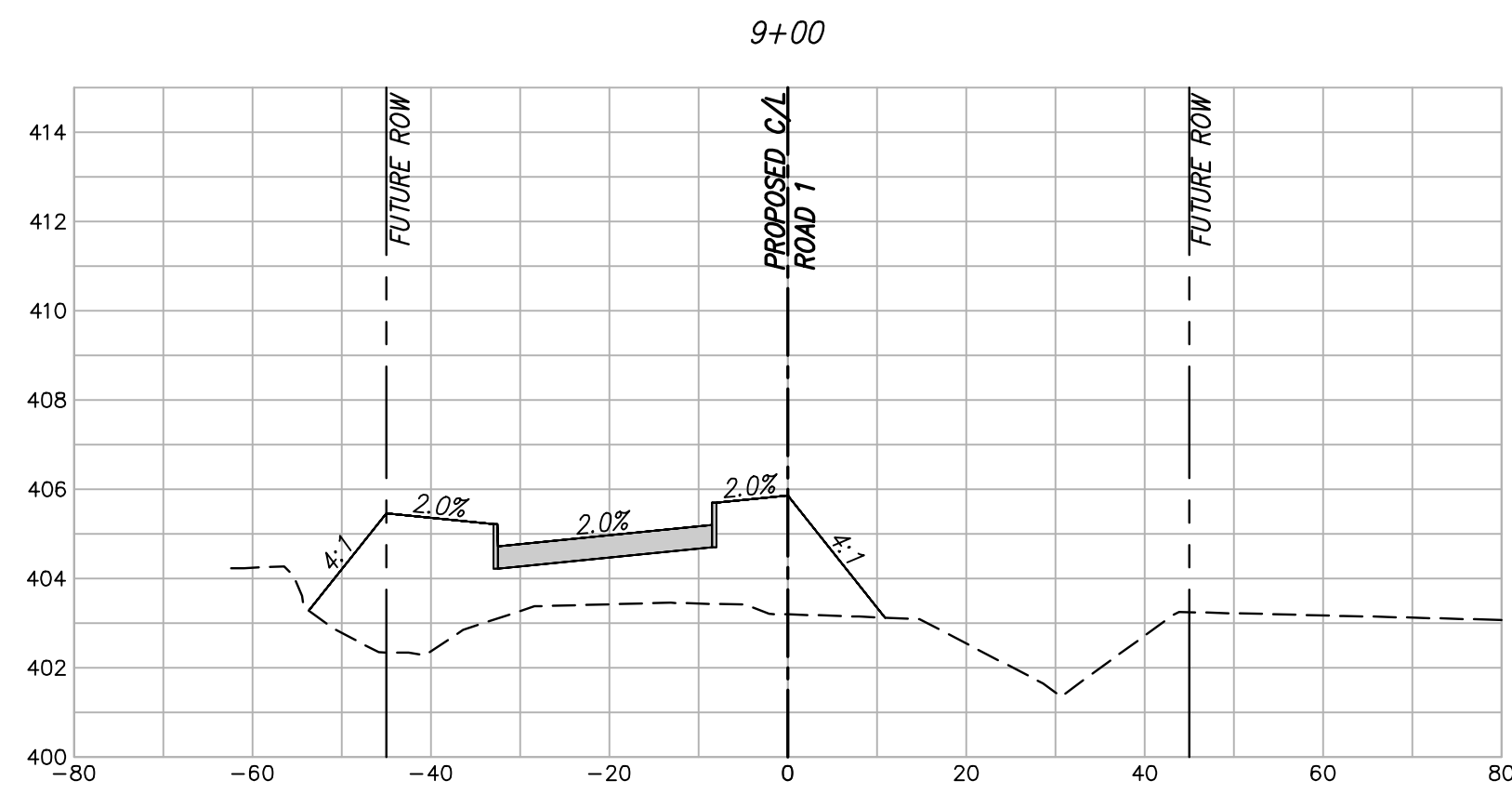
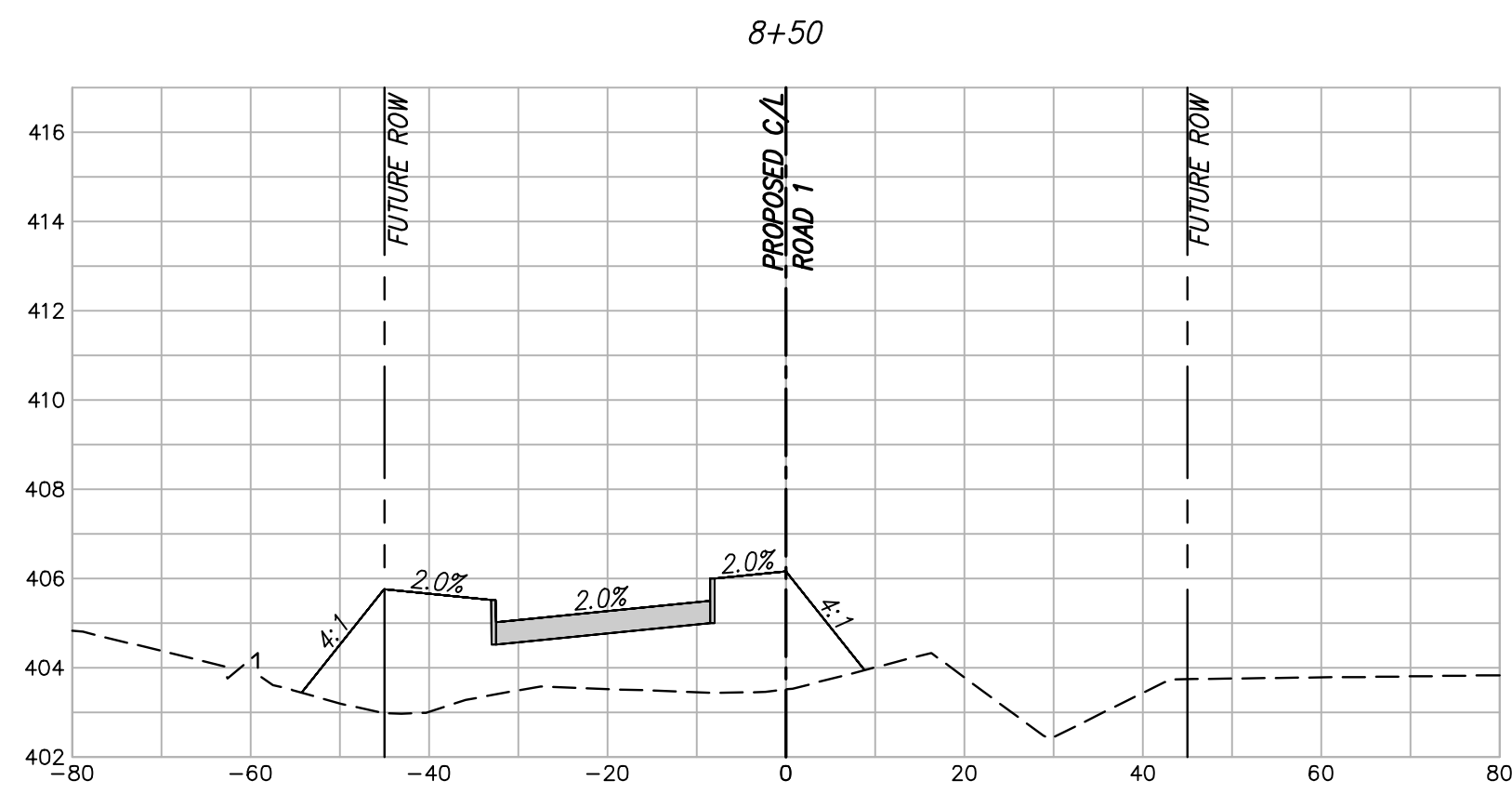
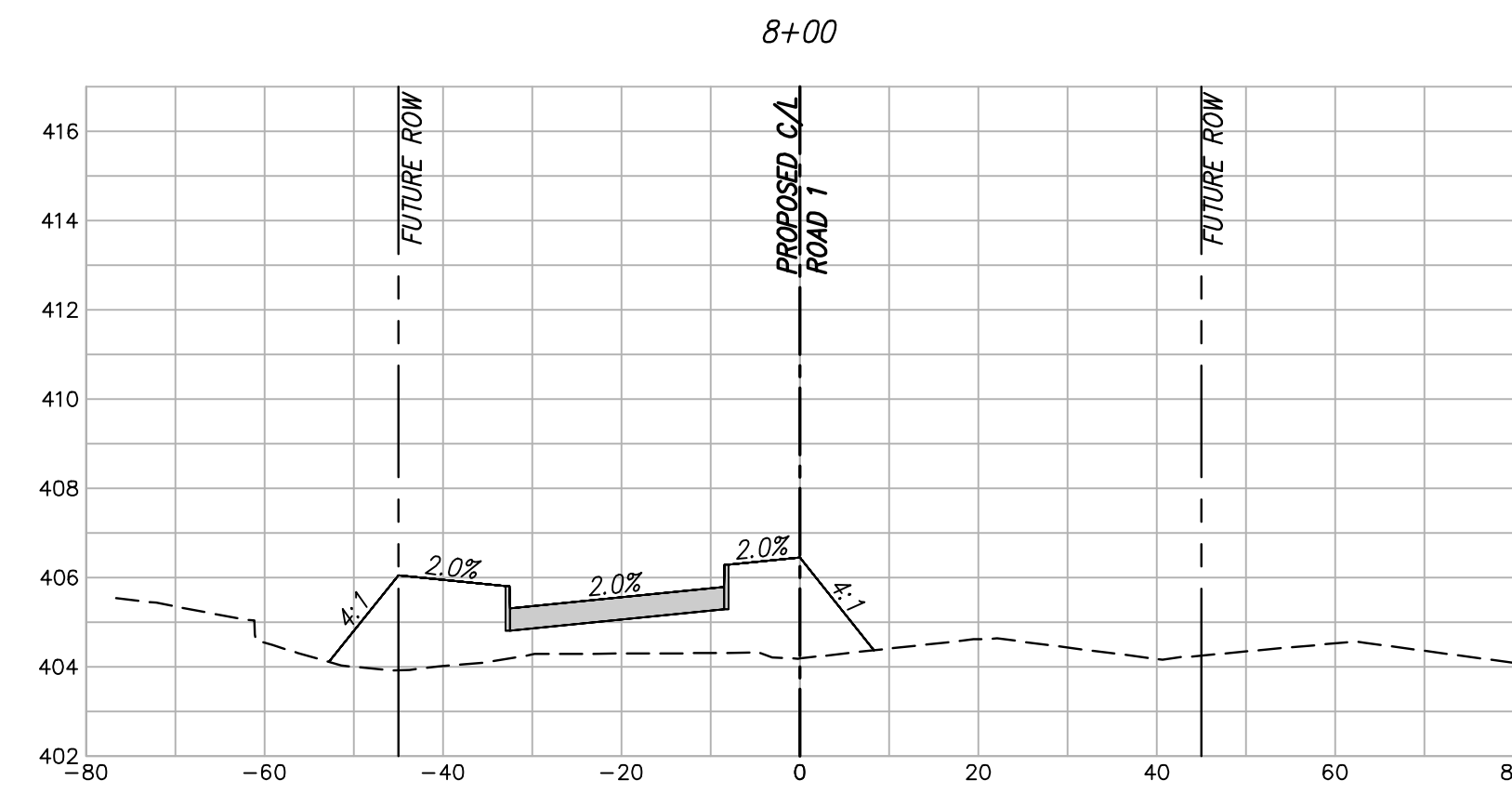
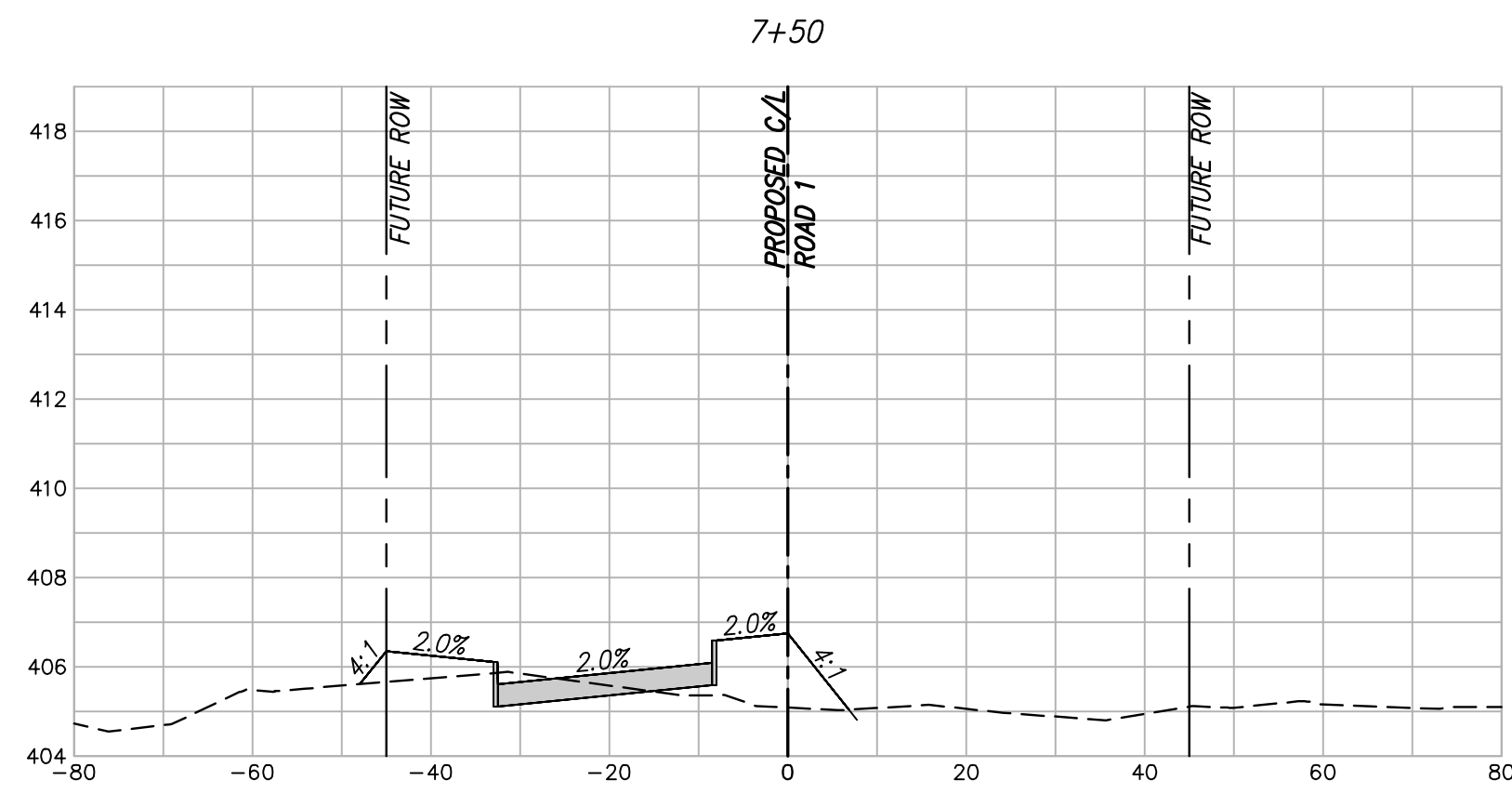
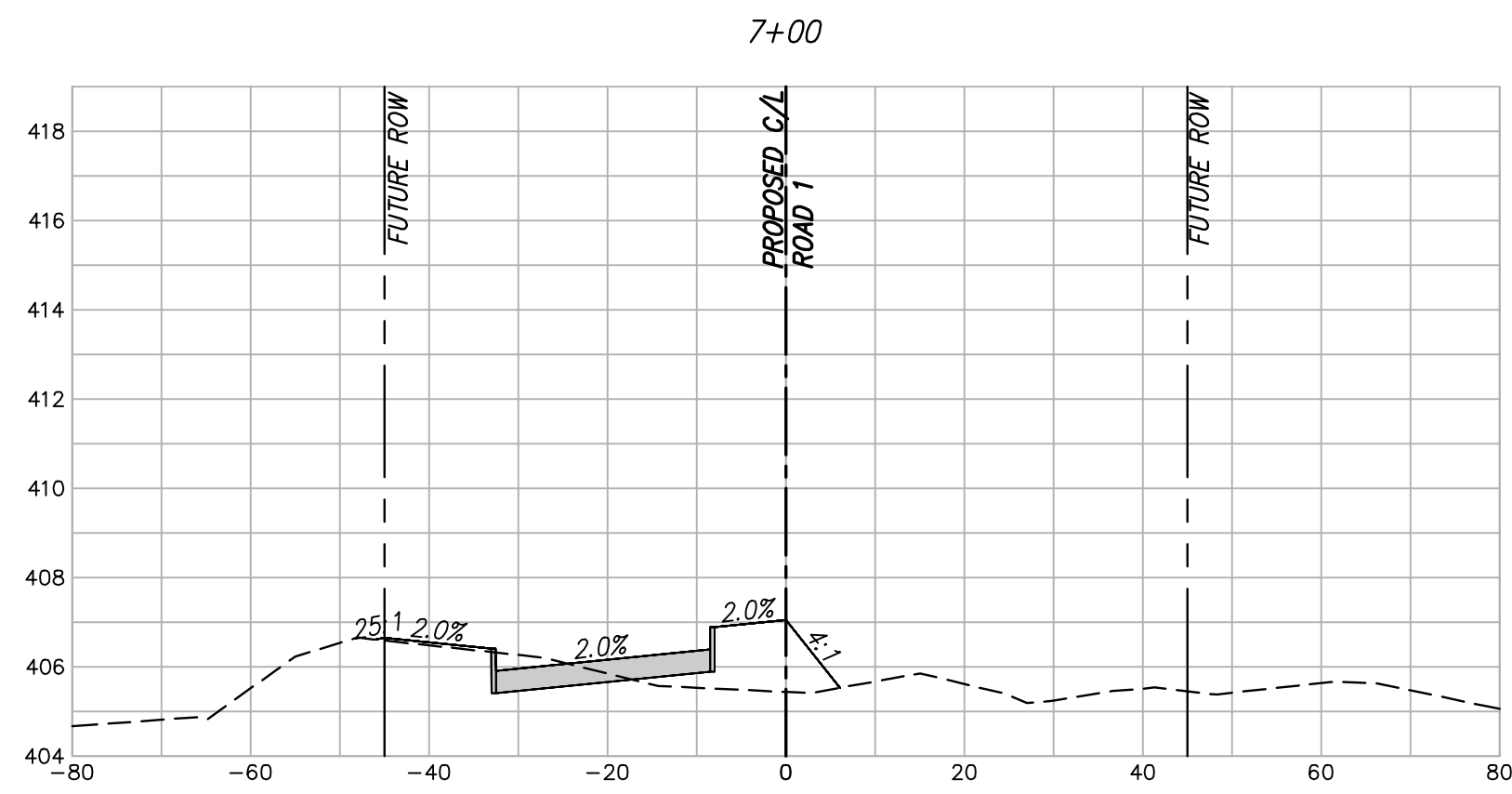
STATE OF TEXAS
 TAYLOR SUTTON
 125514
 LICENSED PROFESSIONAL ENGINEER
Taylor Sutton
 Date: 11/06/2023

scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 2+50 TO 6+50

tnp project
KFM22494
 sheet
11
 of
38

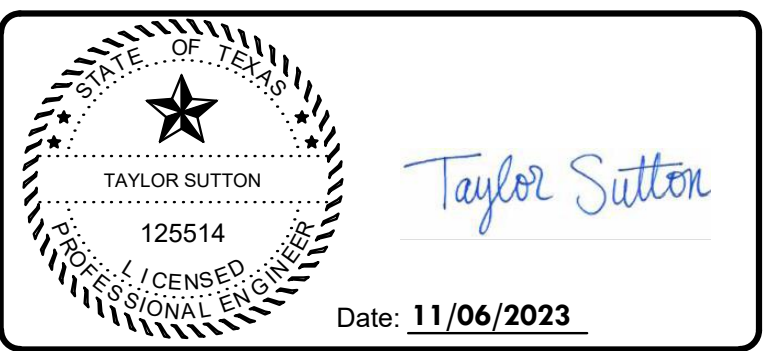


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\CROSS SECTION.dwg at Nov 08, 2022 2:54pm by ptowmsand

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

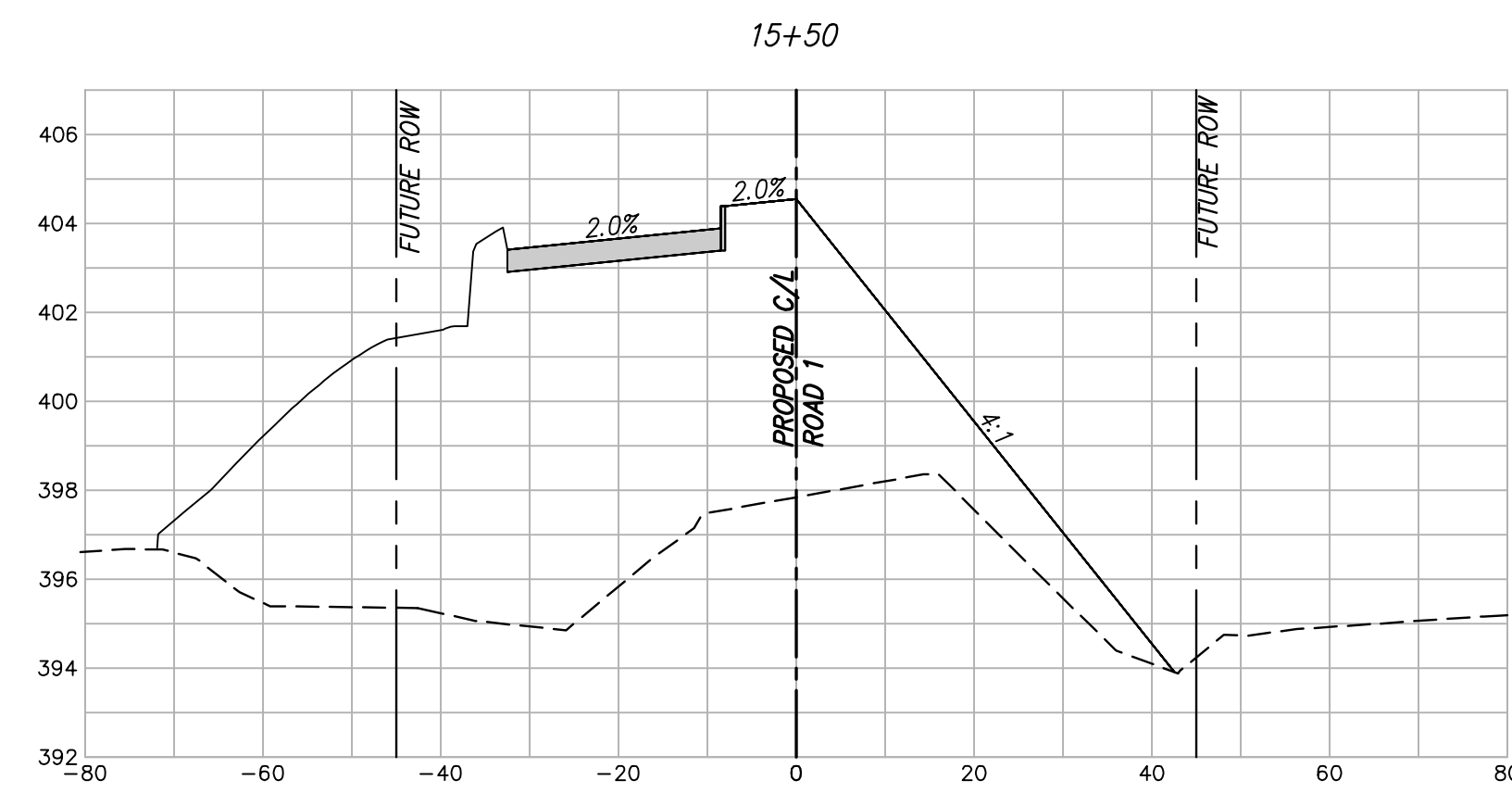
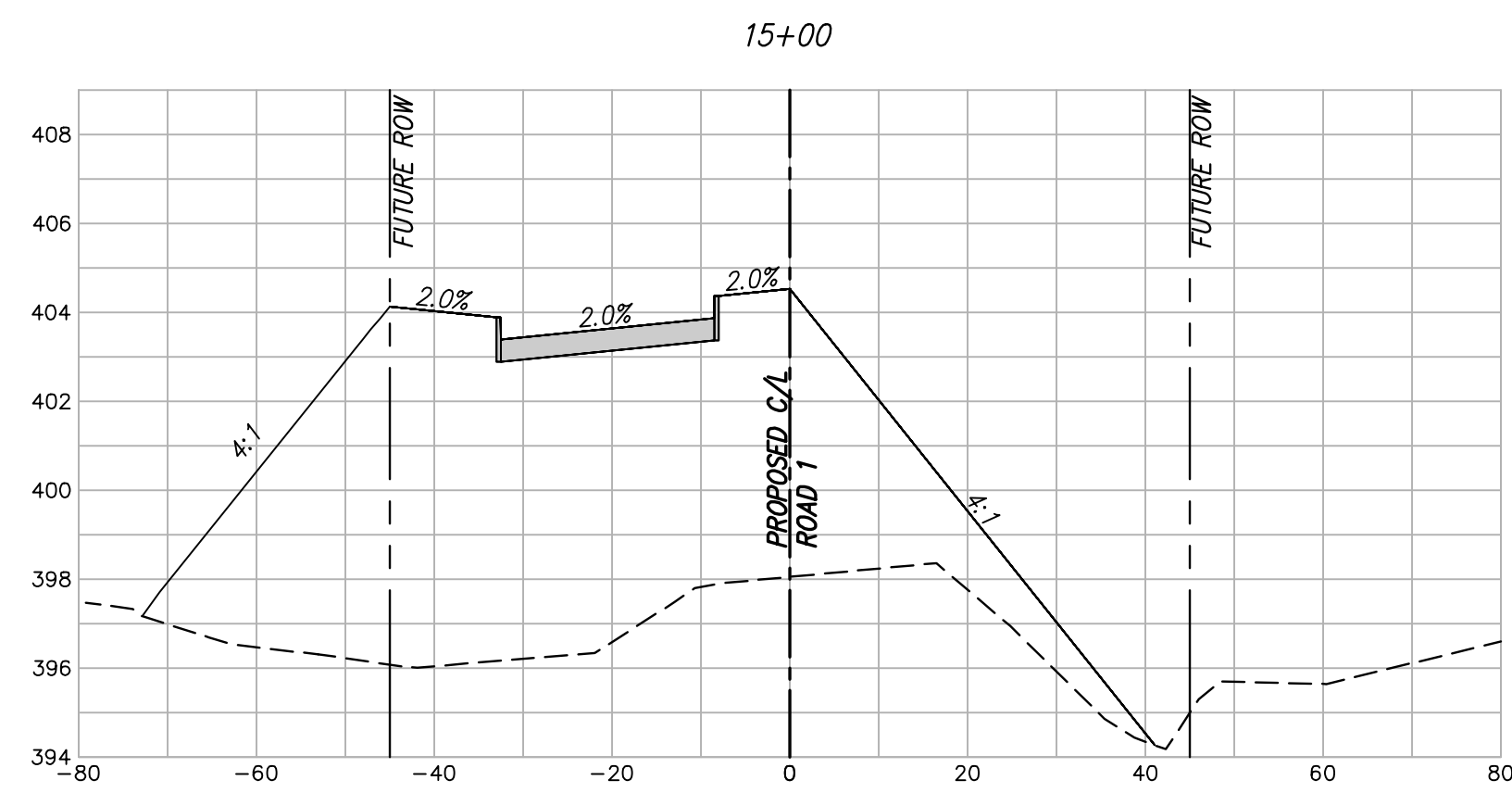
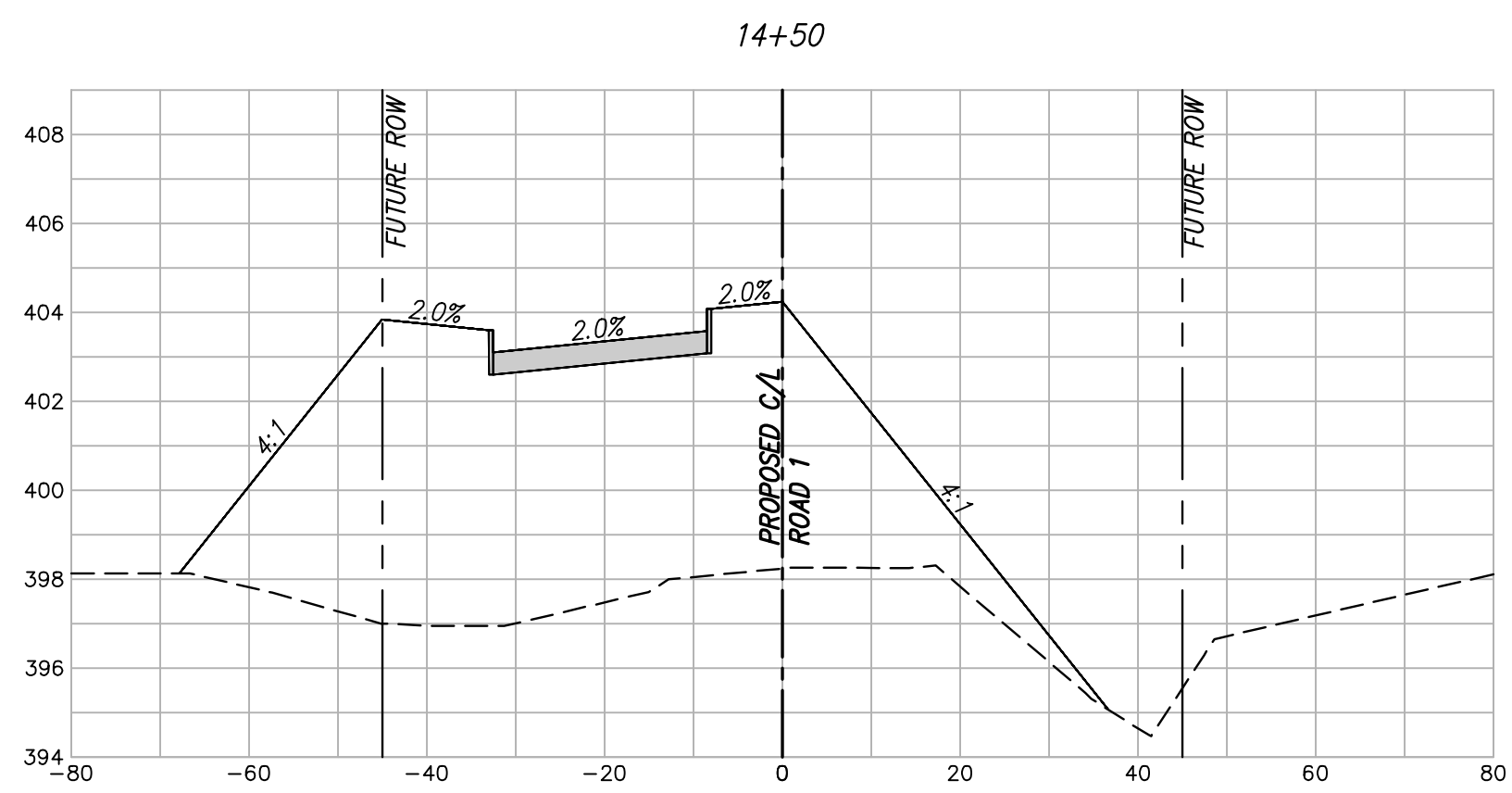
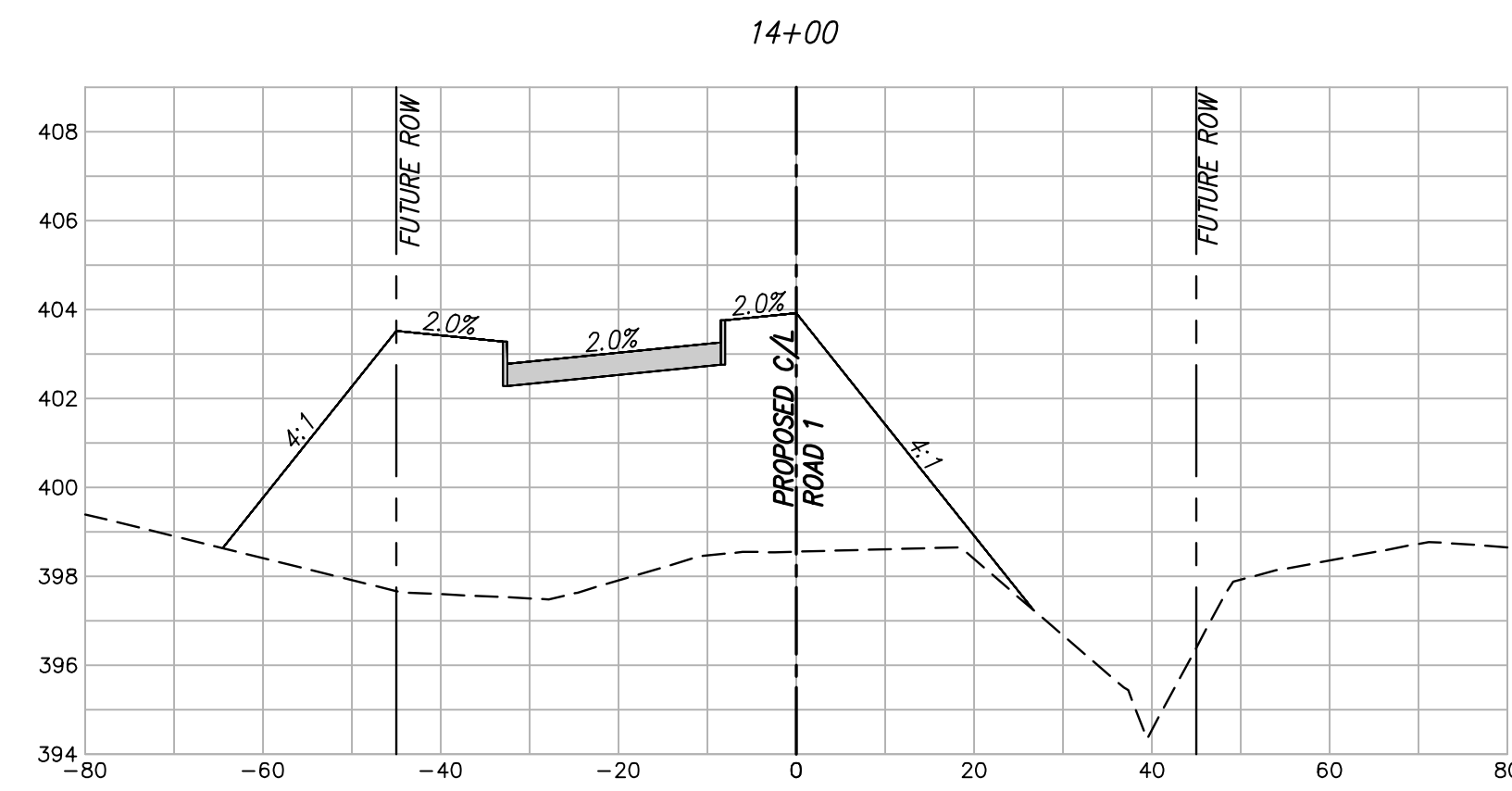
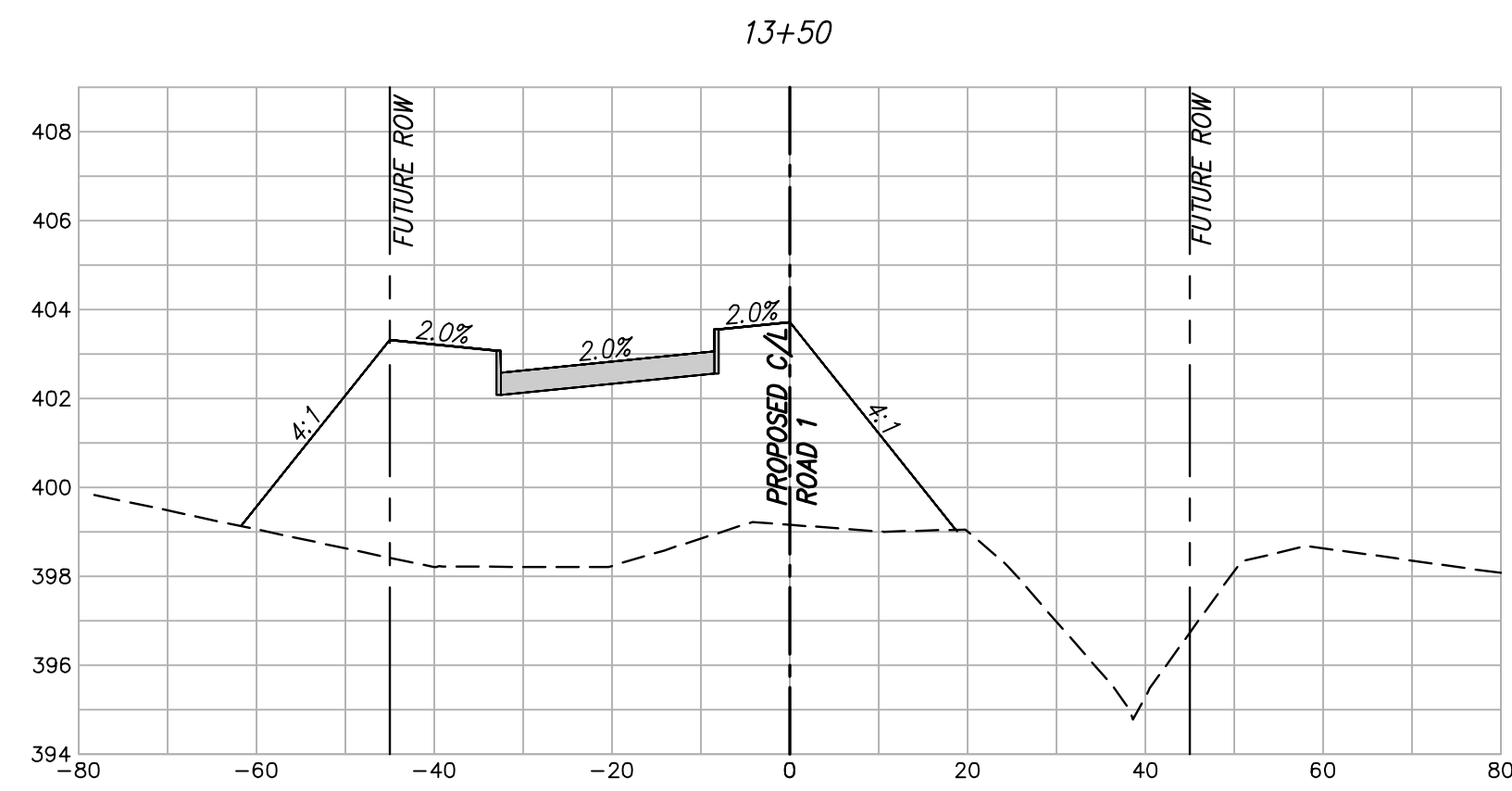
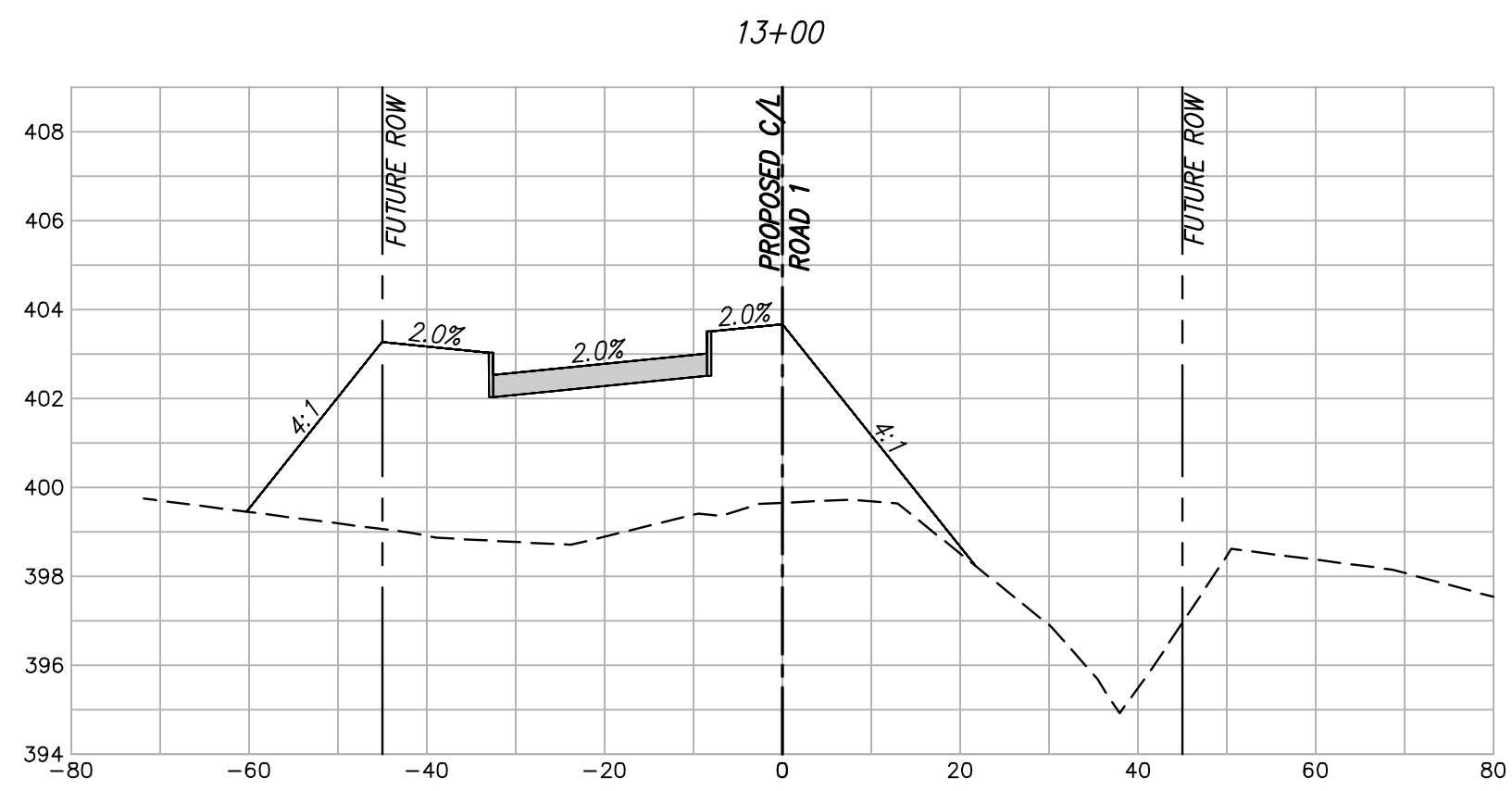
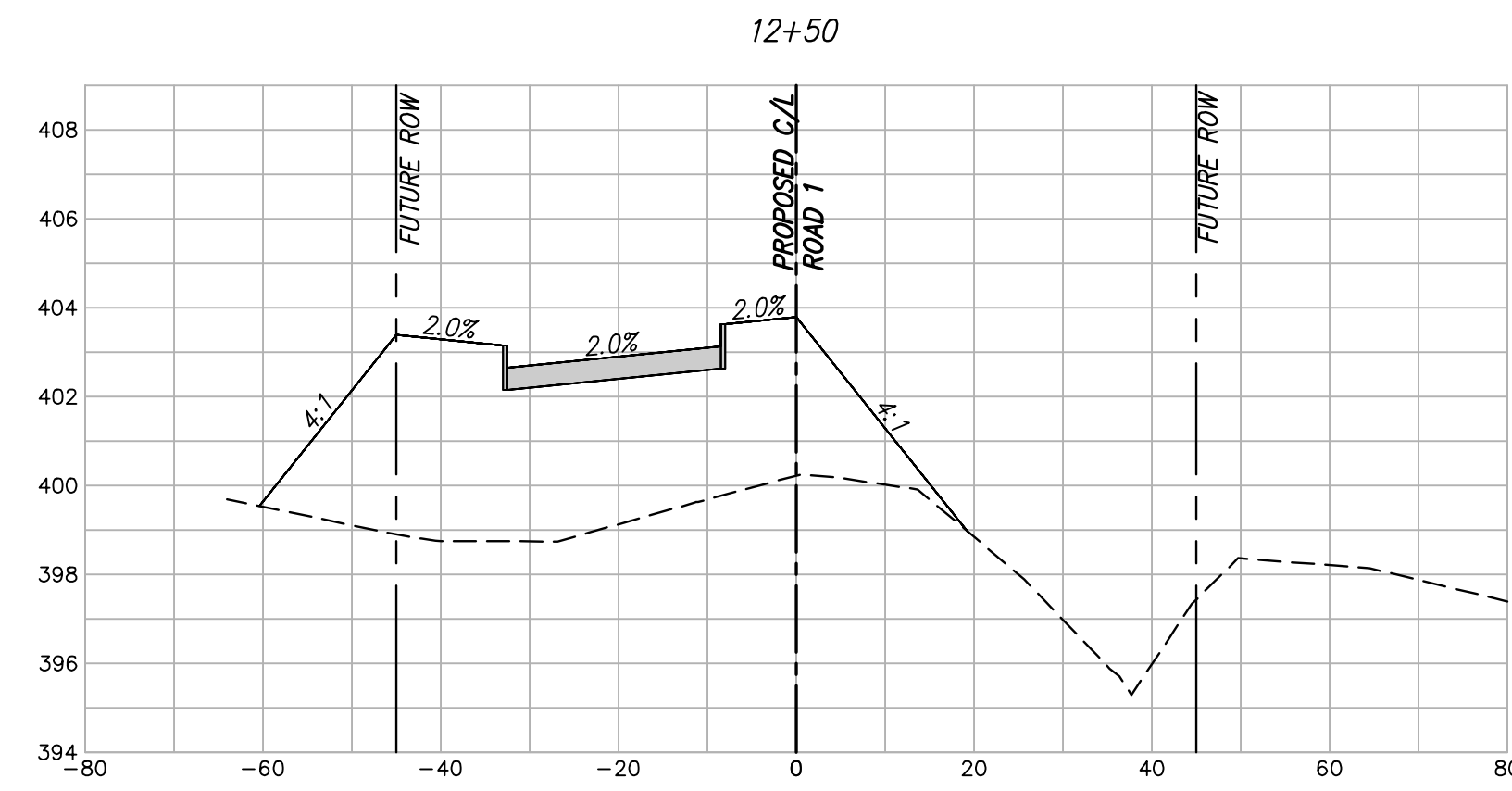
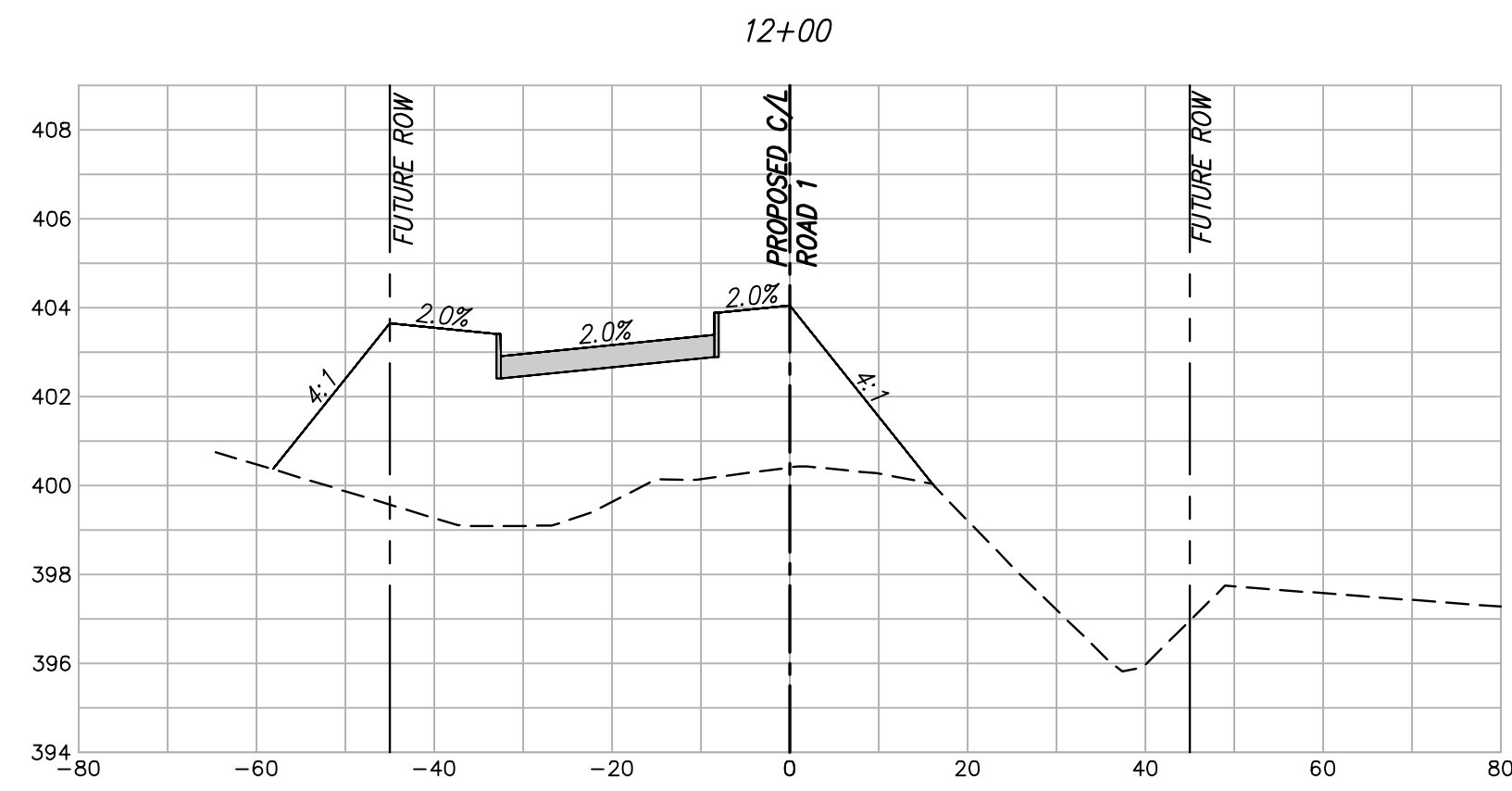
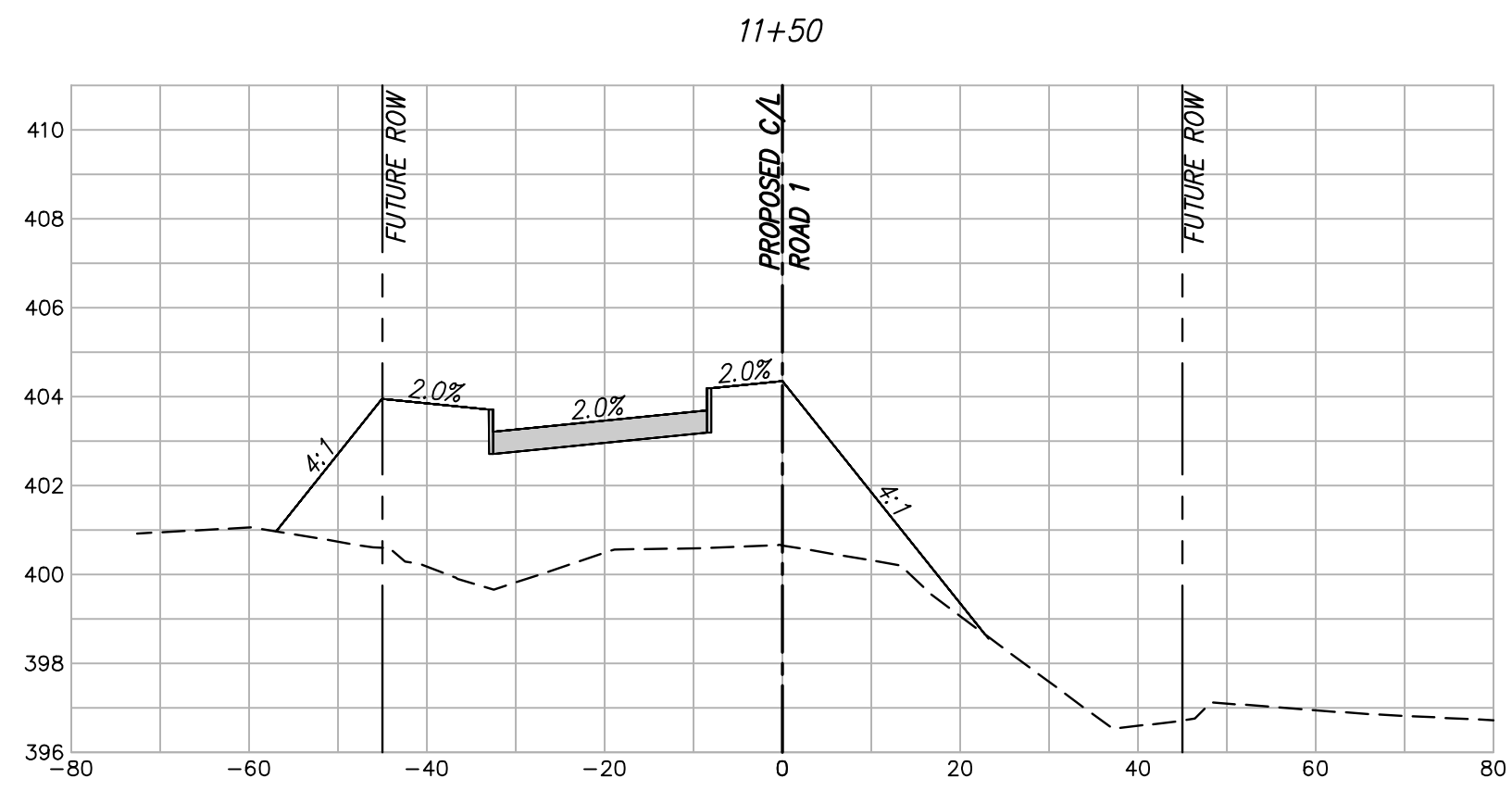


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 7+00 TO 11+00

tnp project
KFM22494
 sheet
12
 of
38

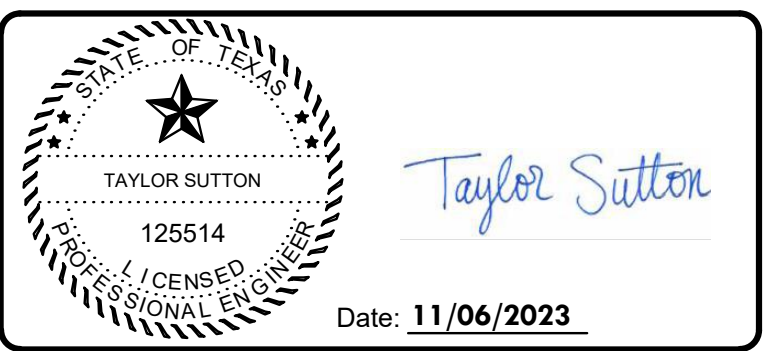


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\CROSS SECTION.dwg at Nov 08, 2022 2:54pm by ptowmsnd

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

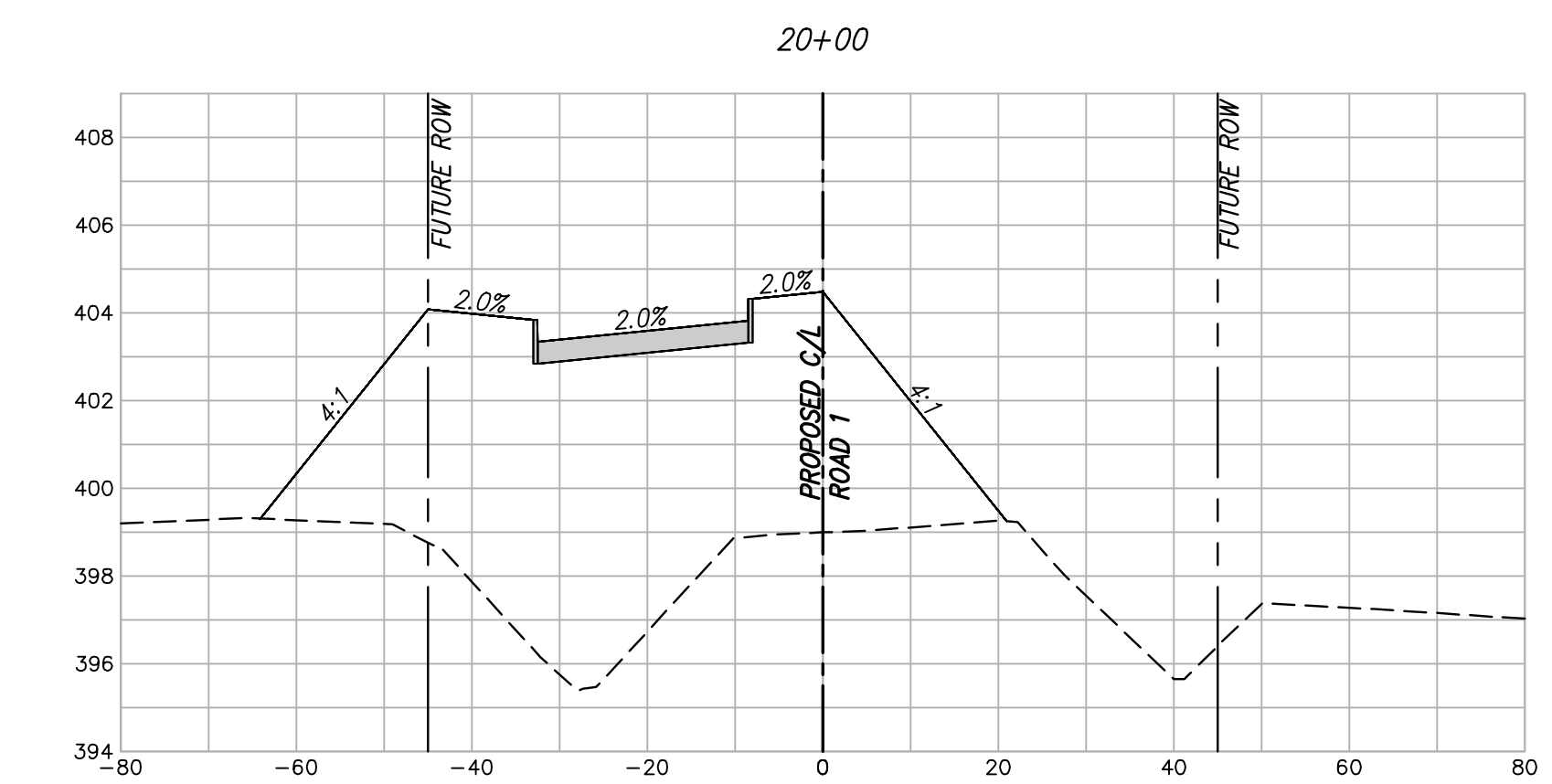
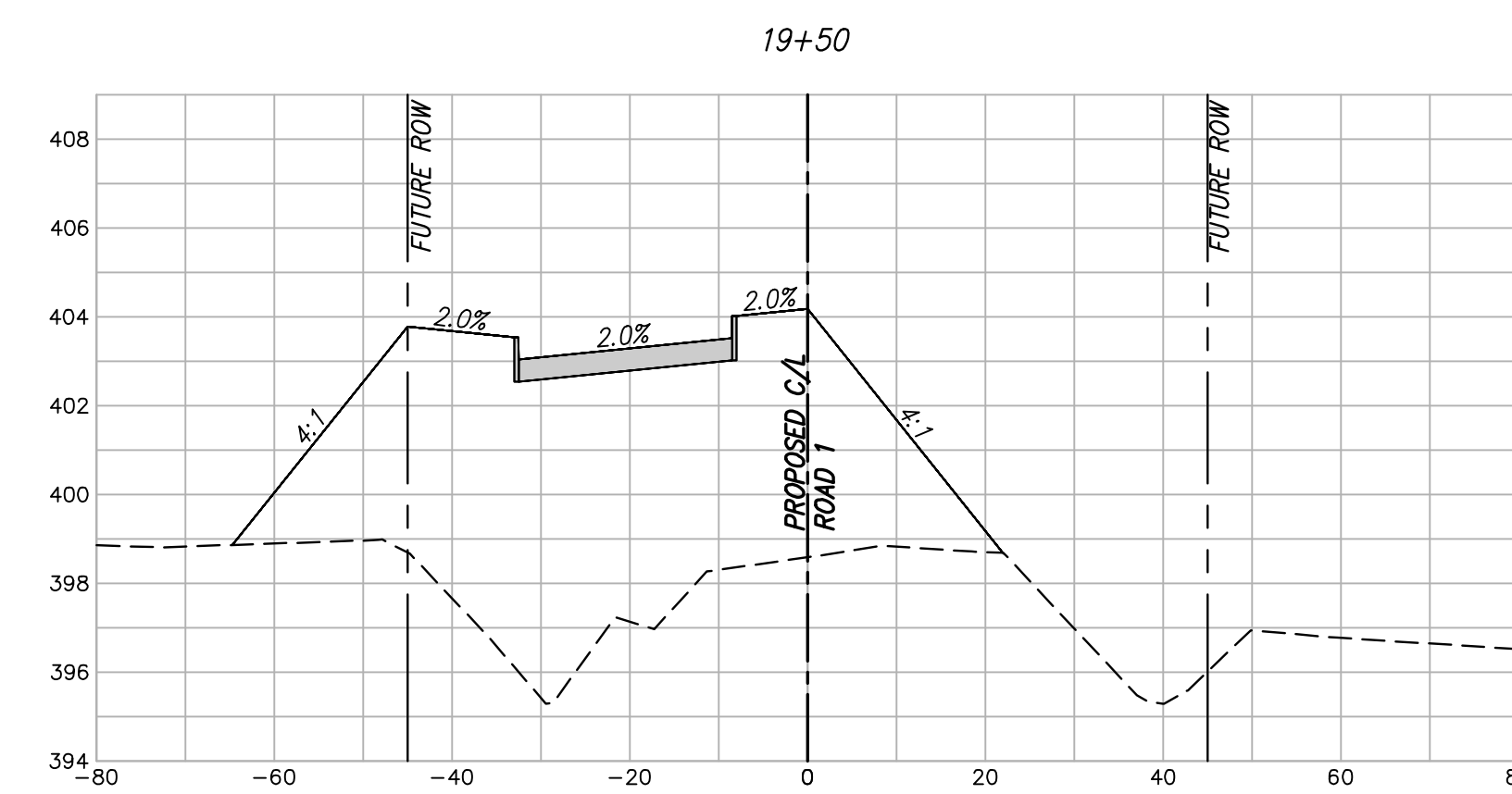
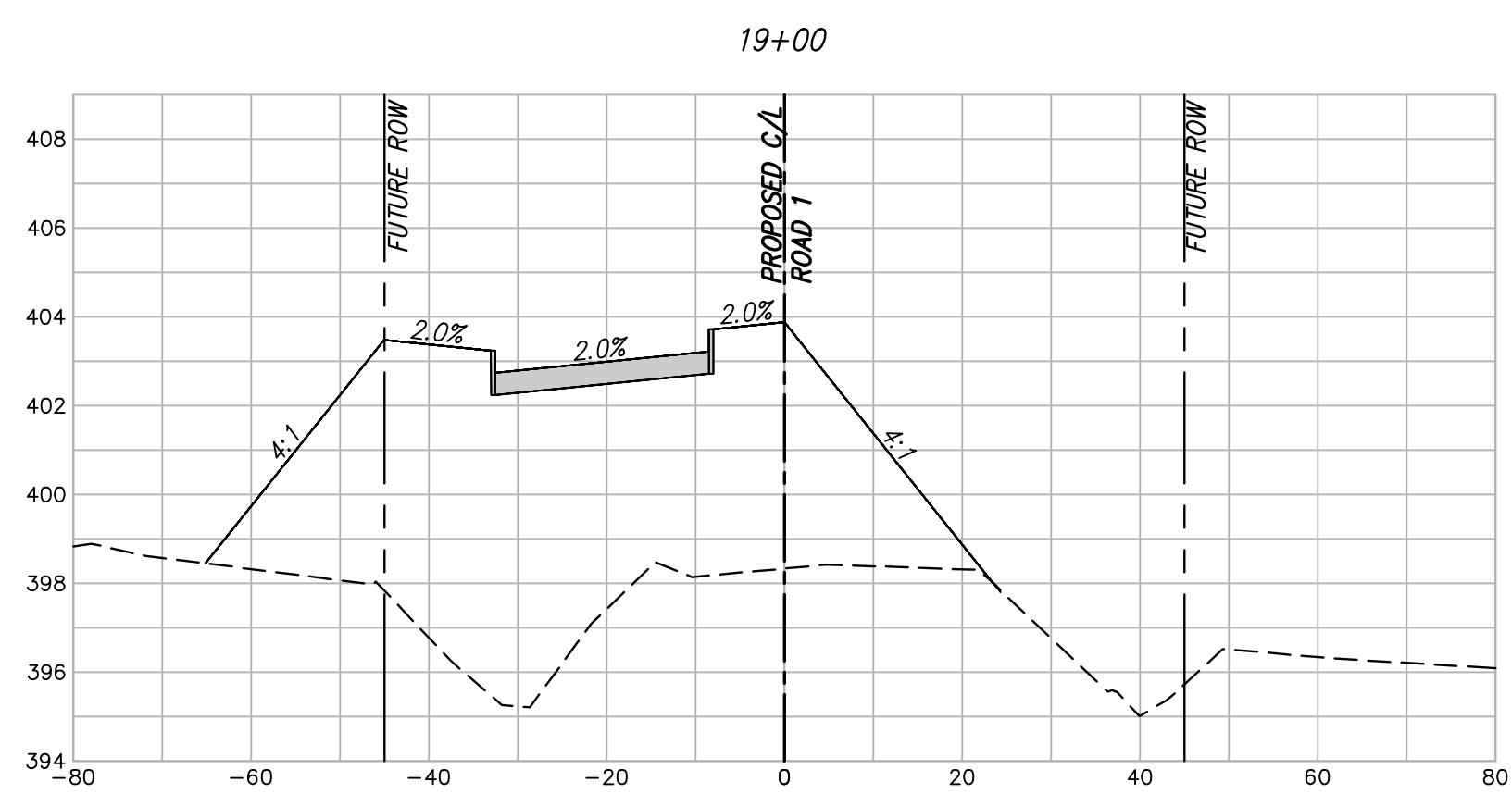
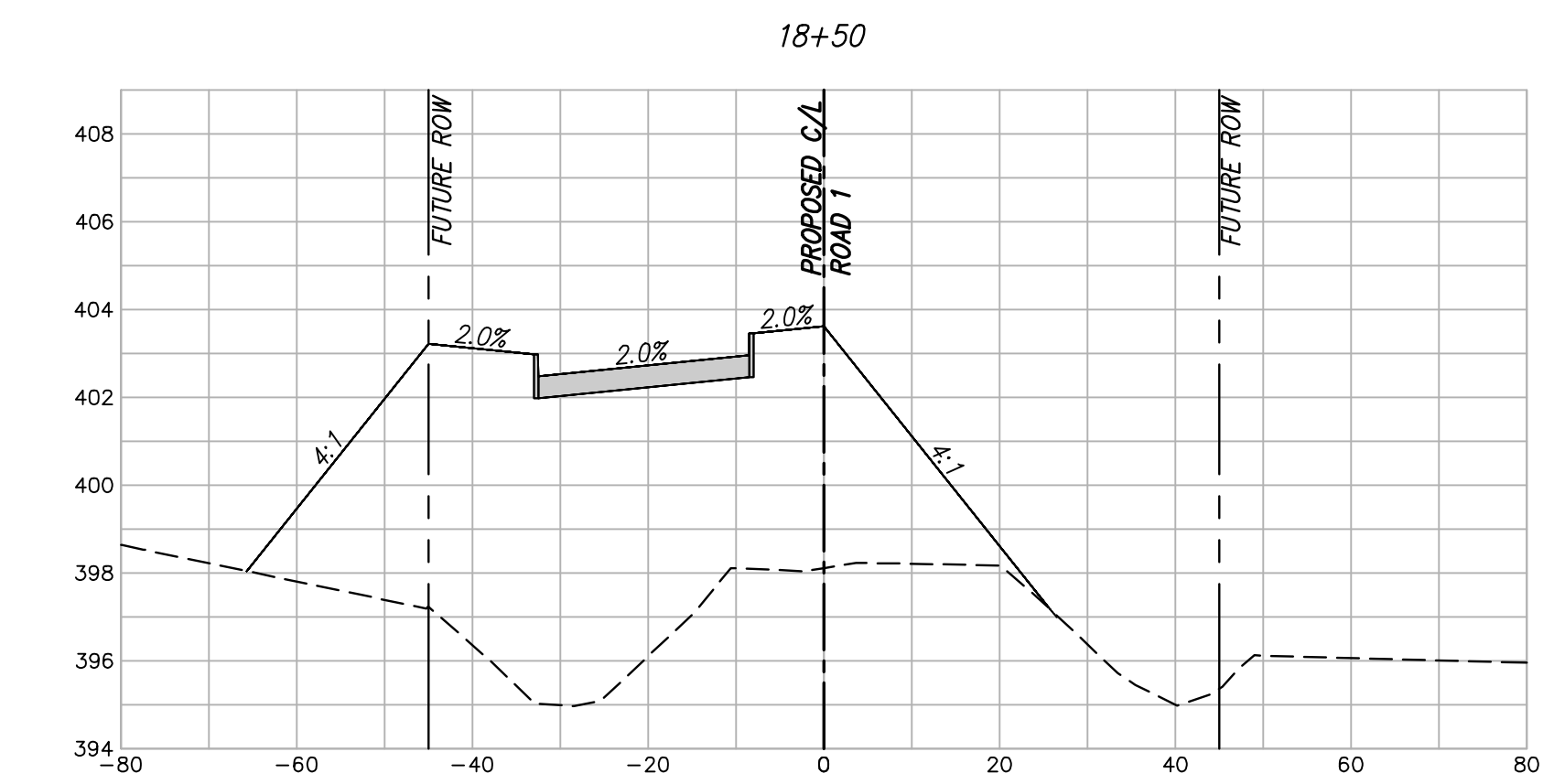
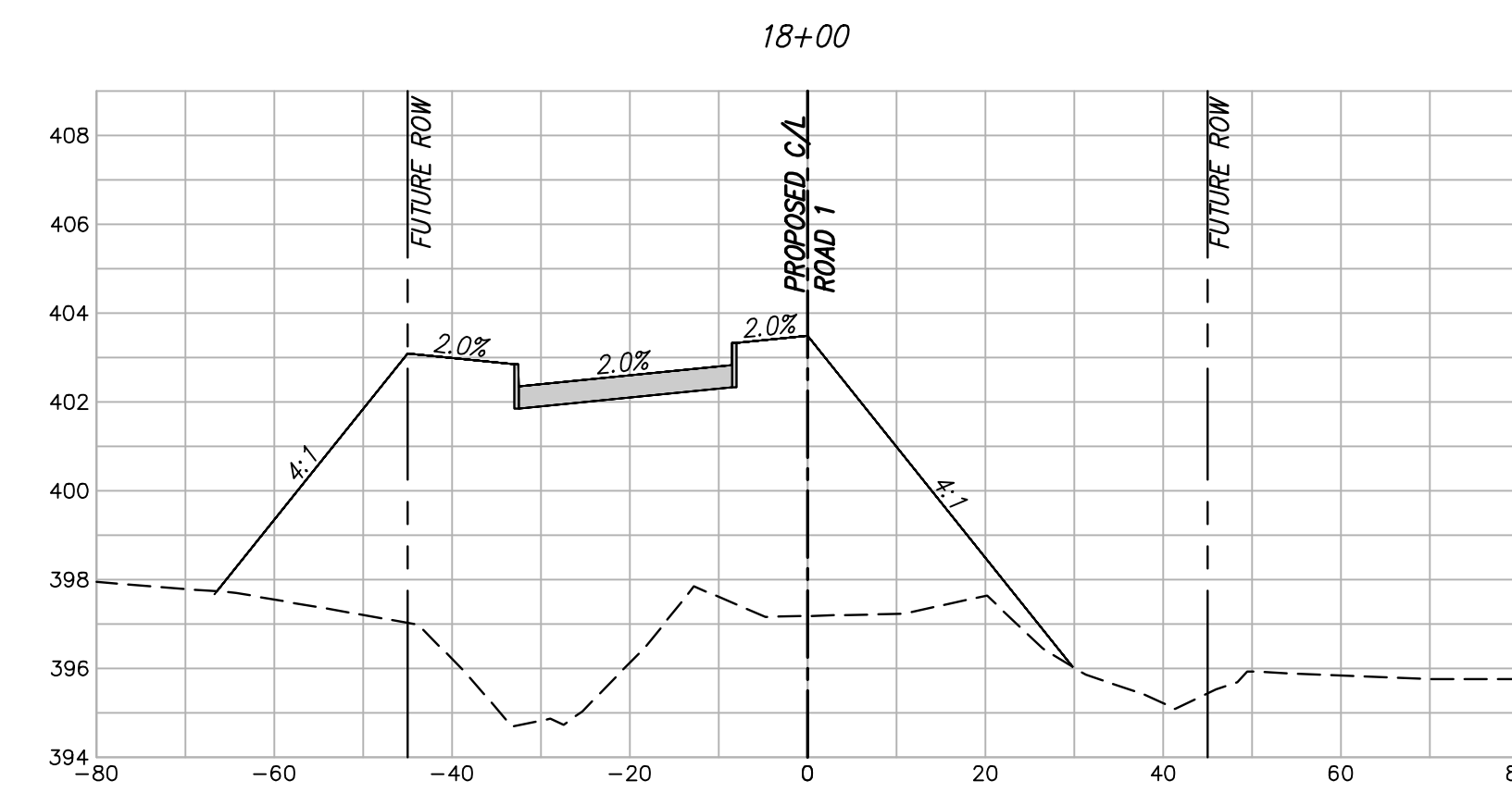
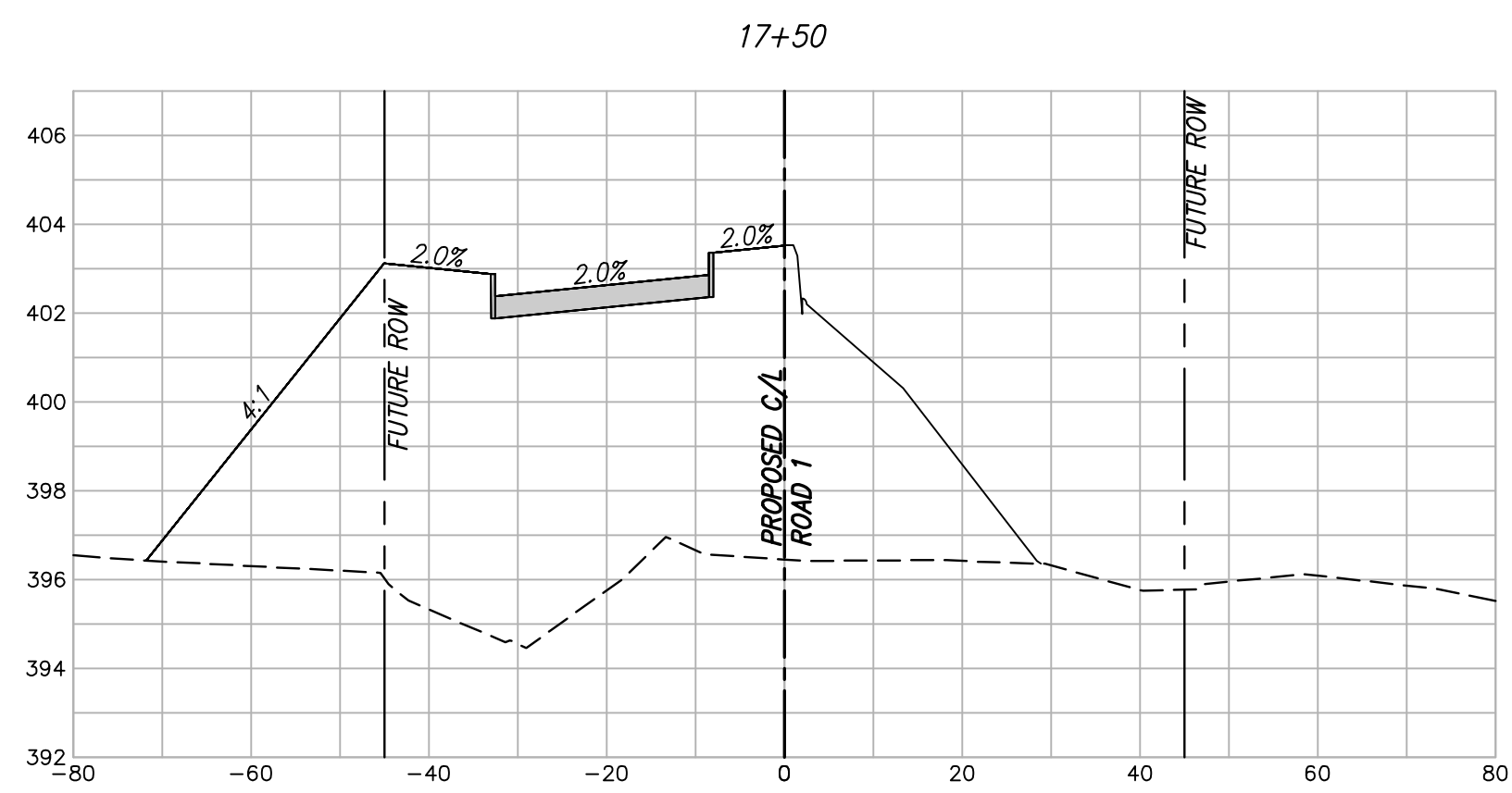
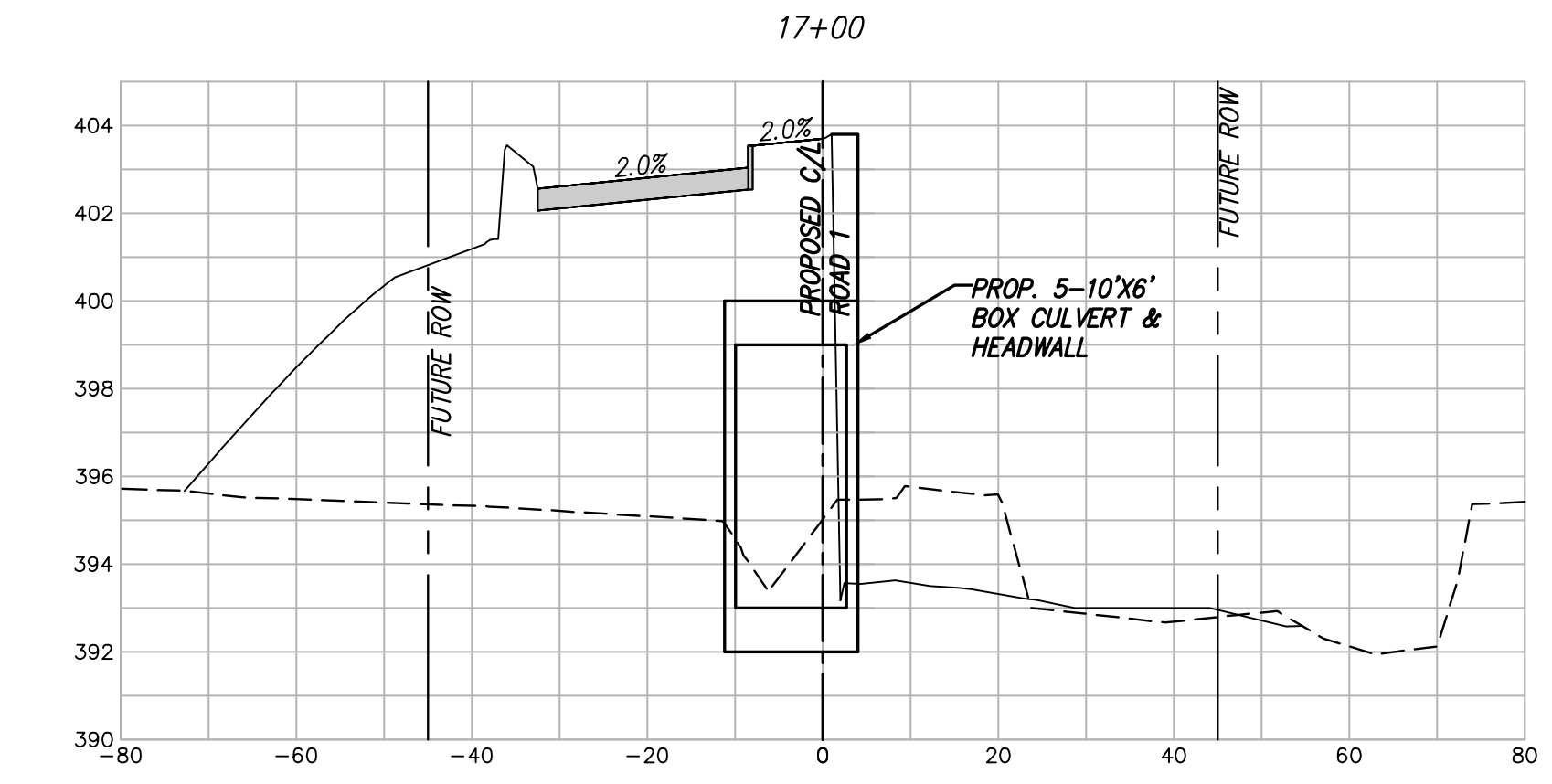
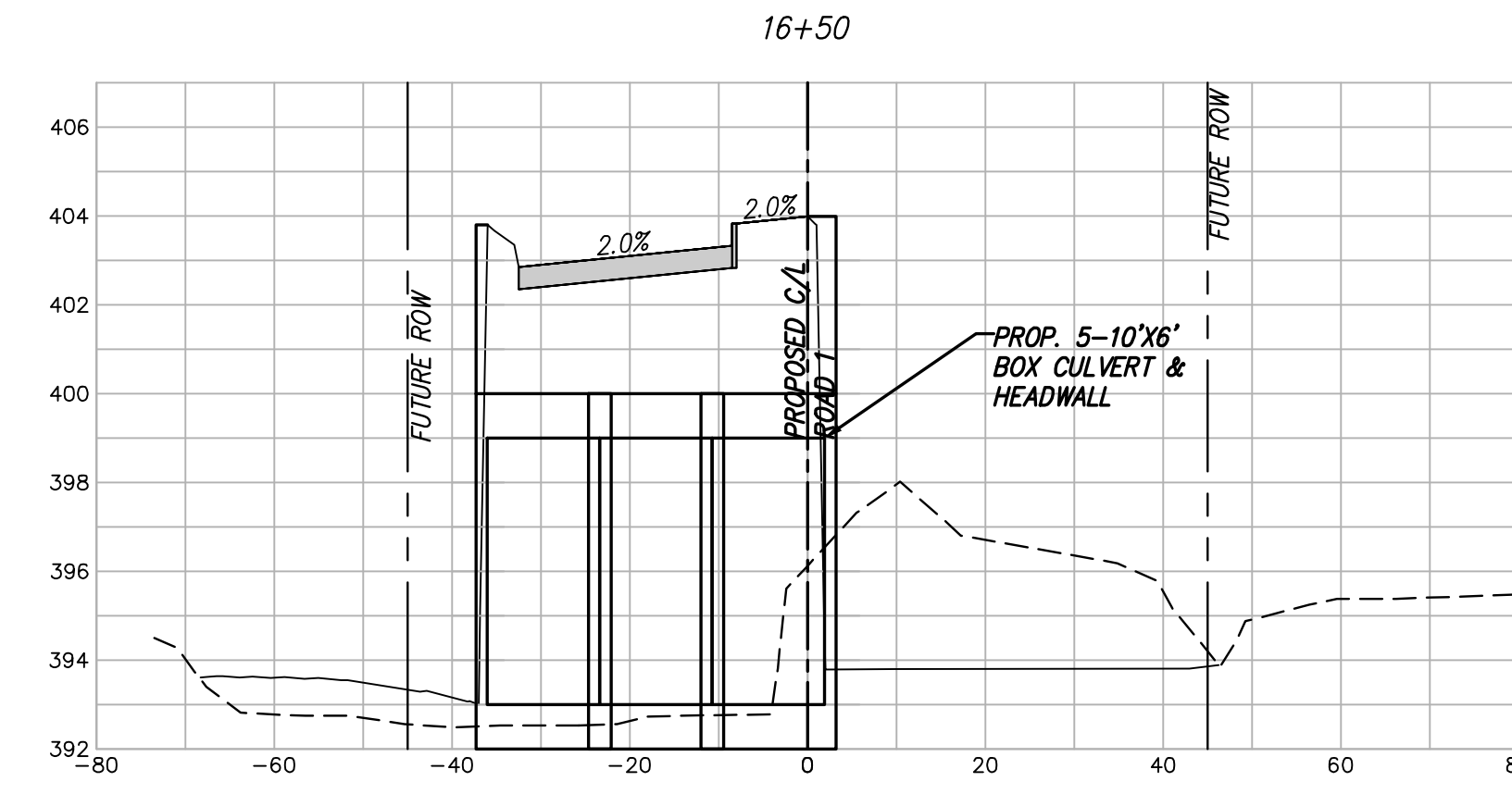
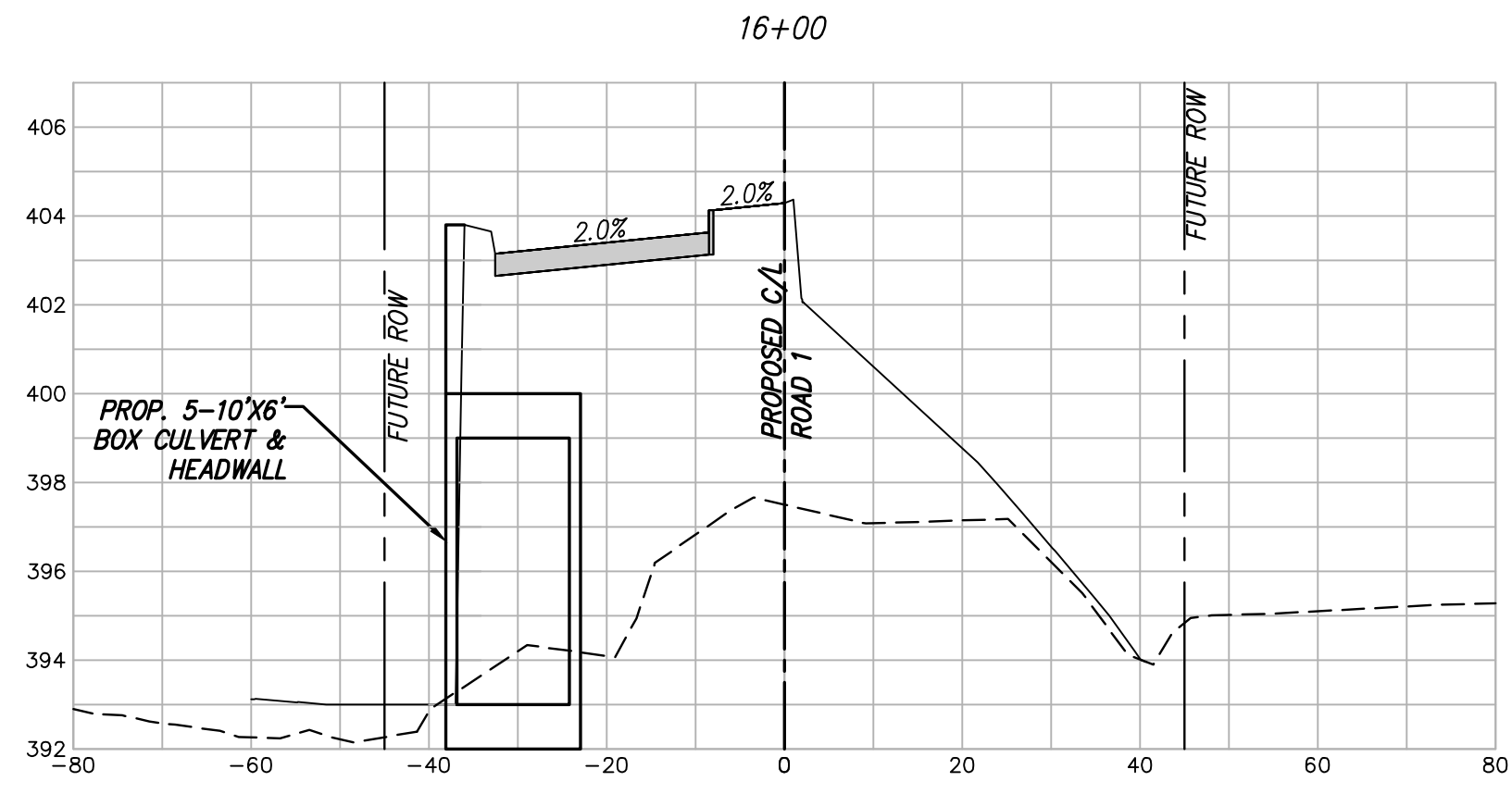


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 11+50 TO 15+50

tnp project
KFM22494
 sheet
13
 of
38

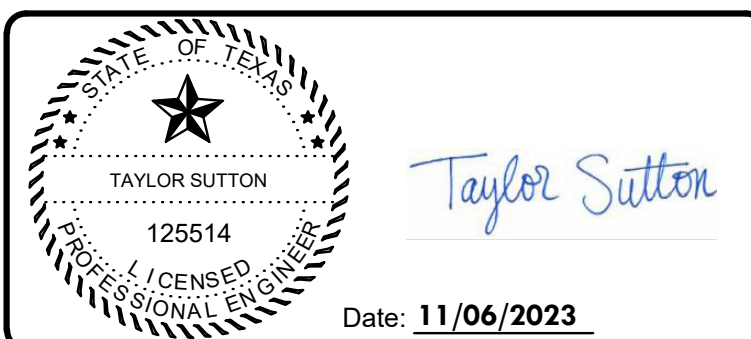


Drawing: T:\Projects\KFM22494\Eng\CADD\CROSS SECTION.dwg at Nov 08, 2022 2:48pm by ptowmsand

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

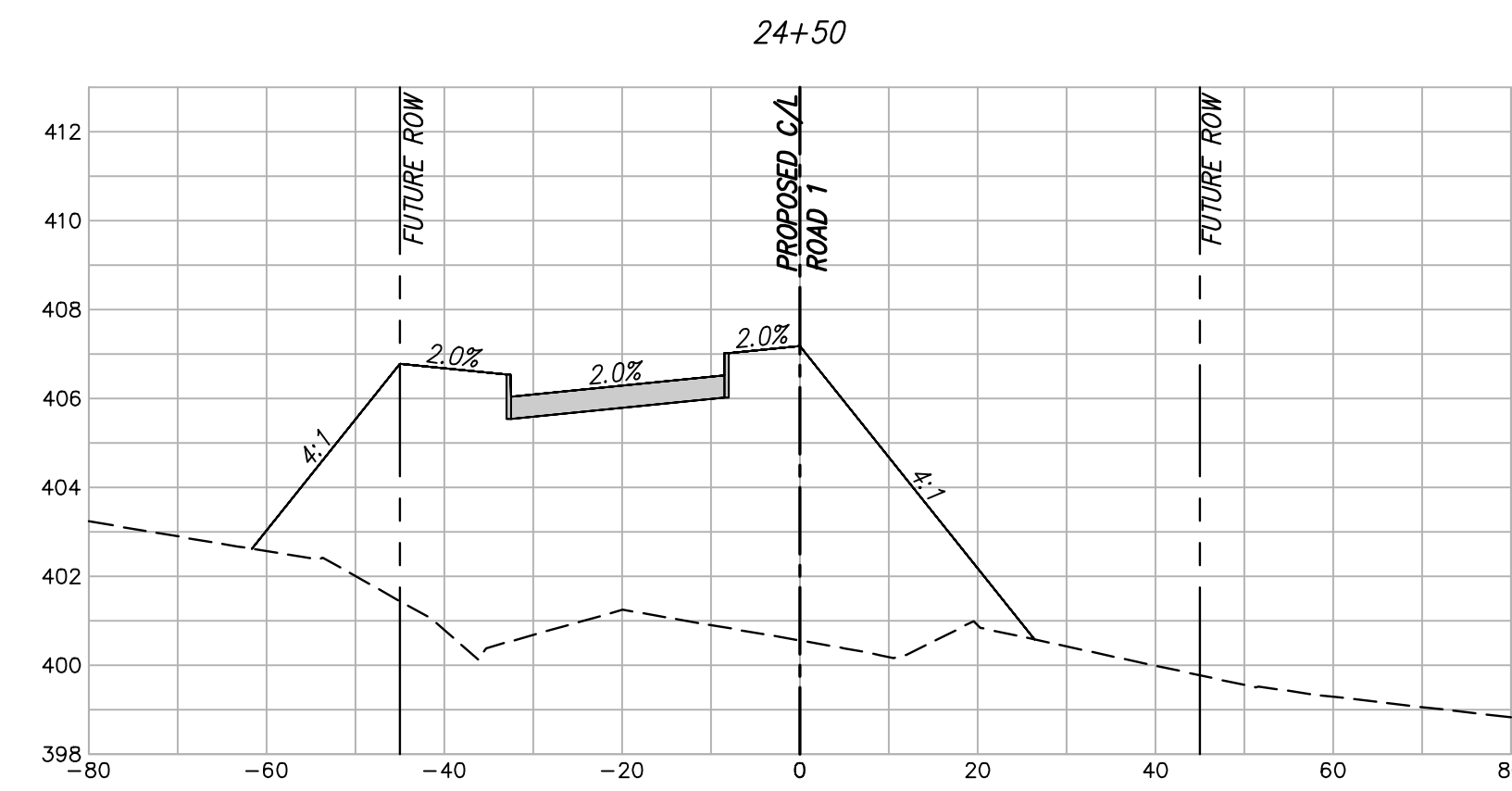
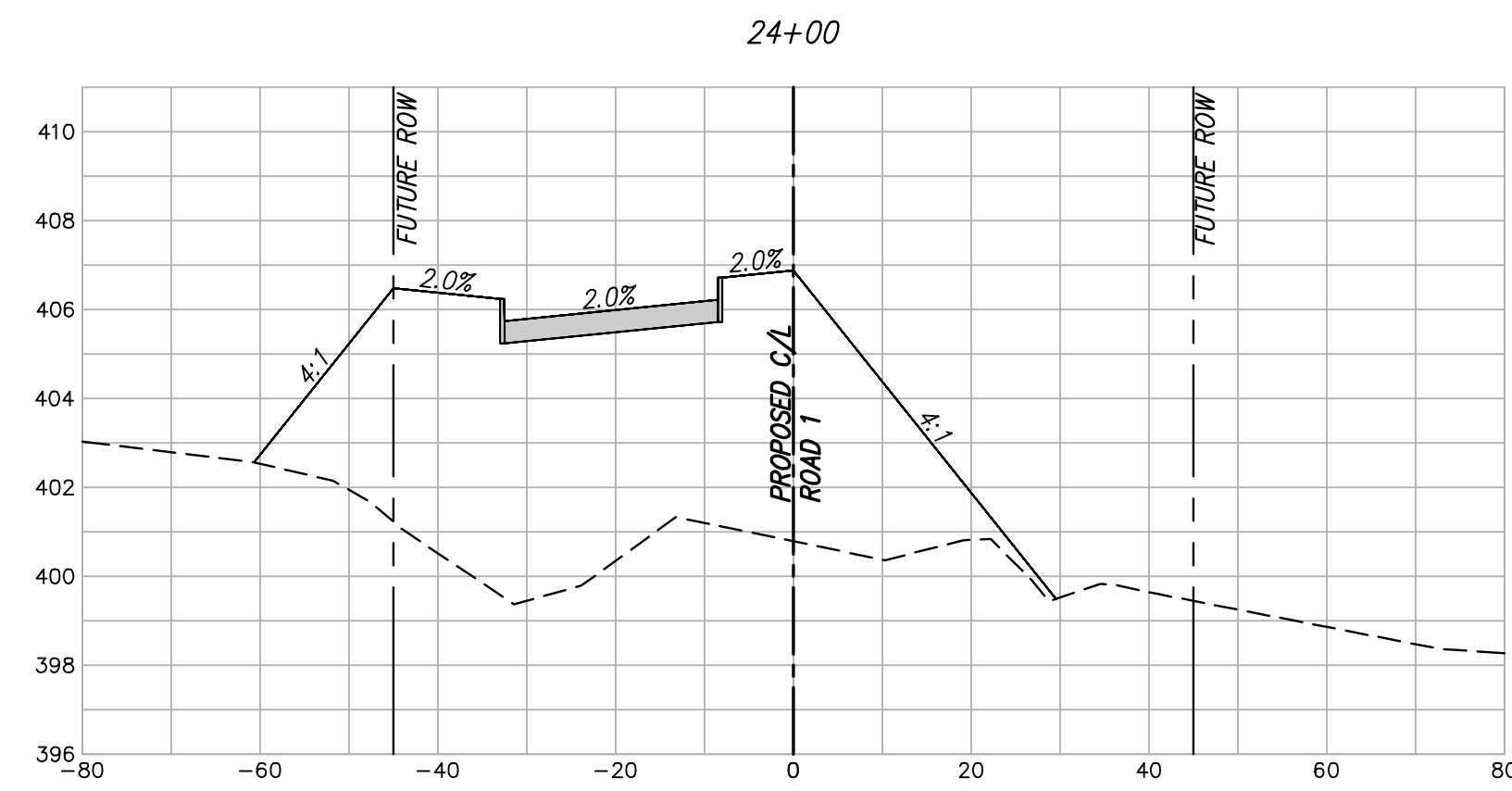
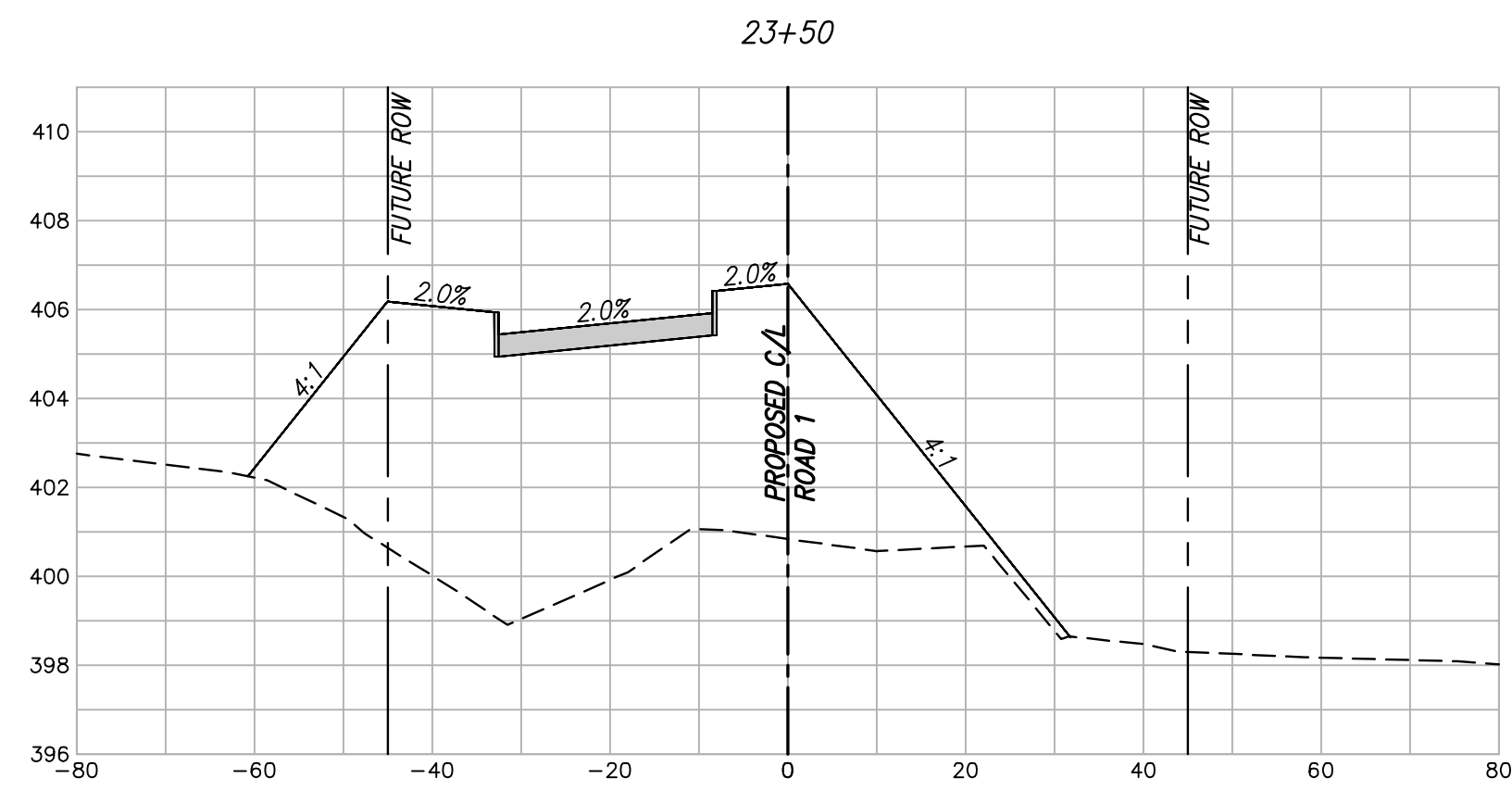
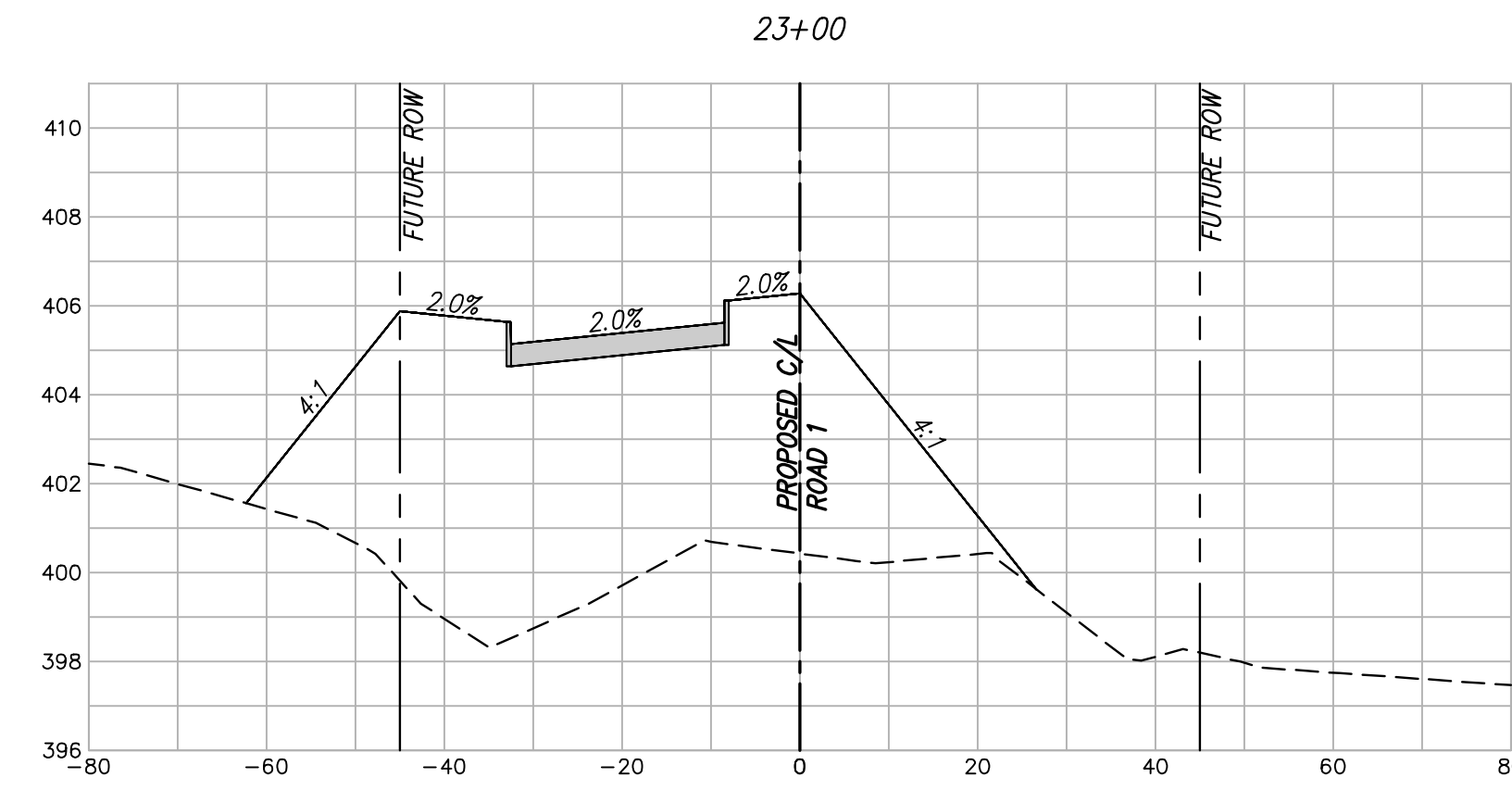
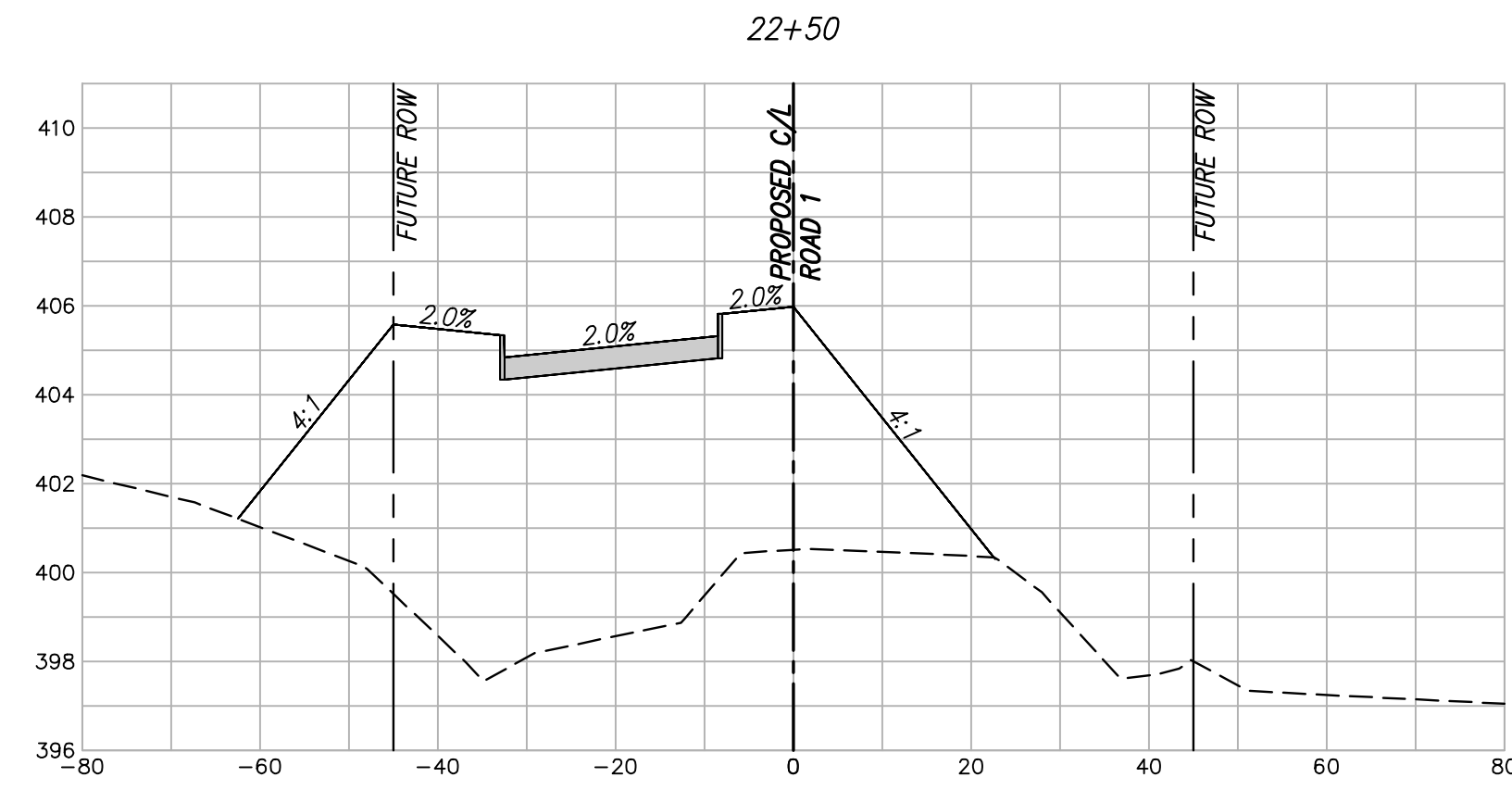
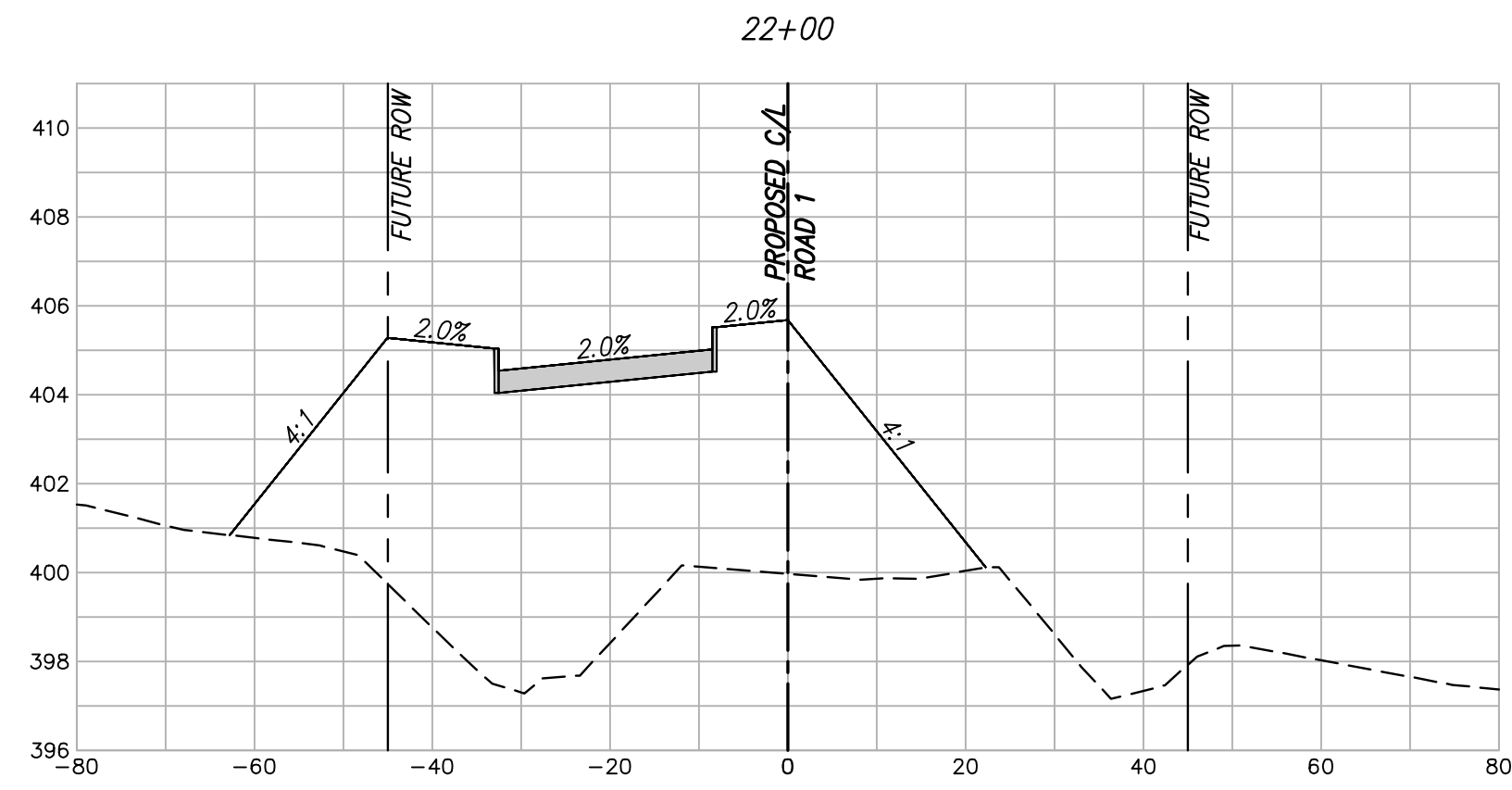
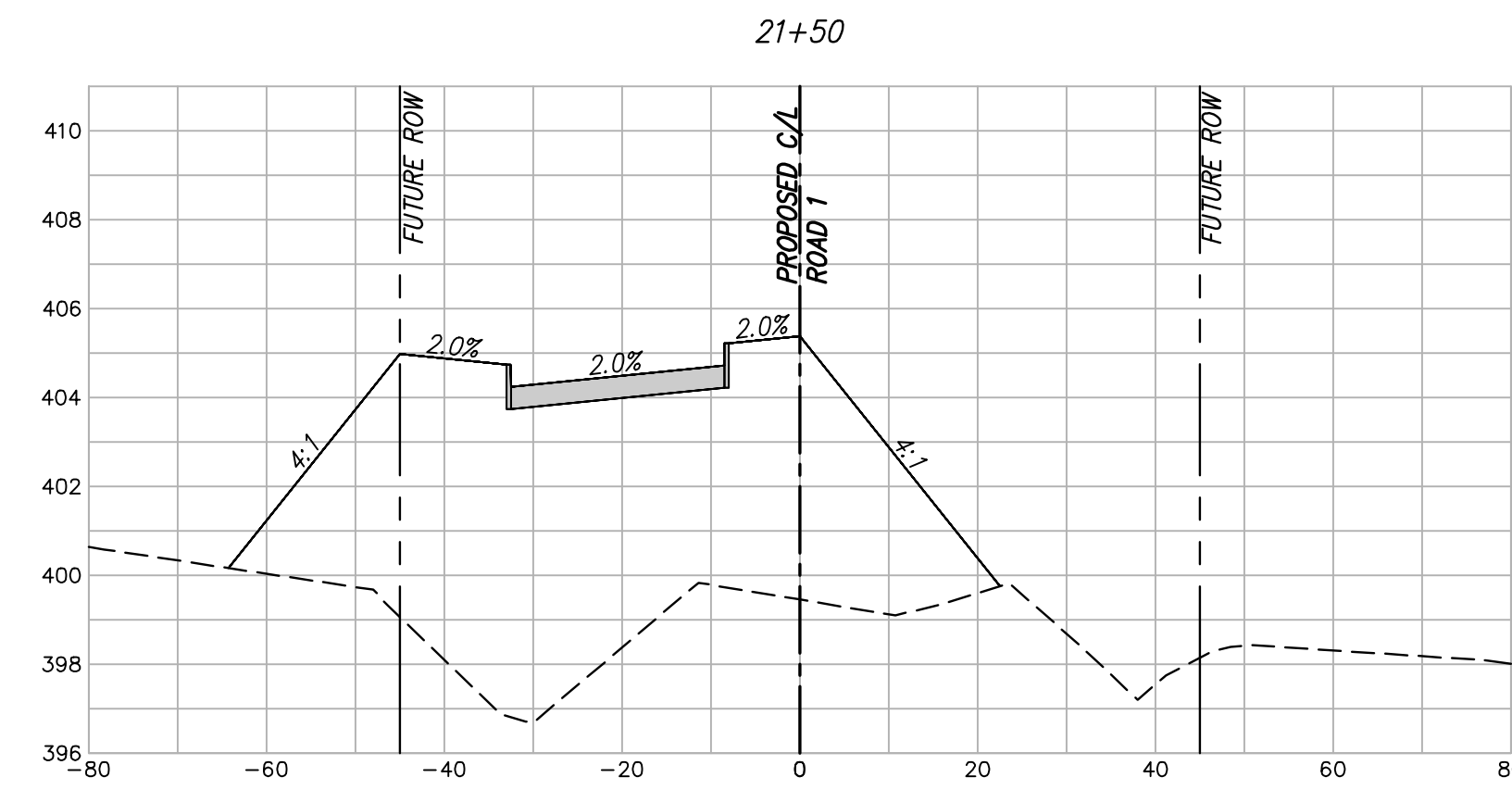
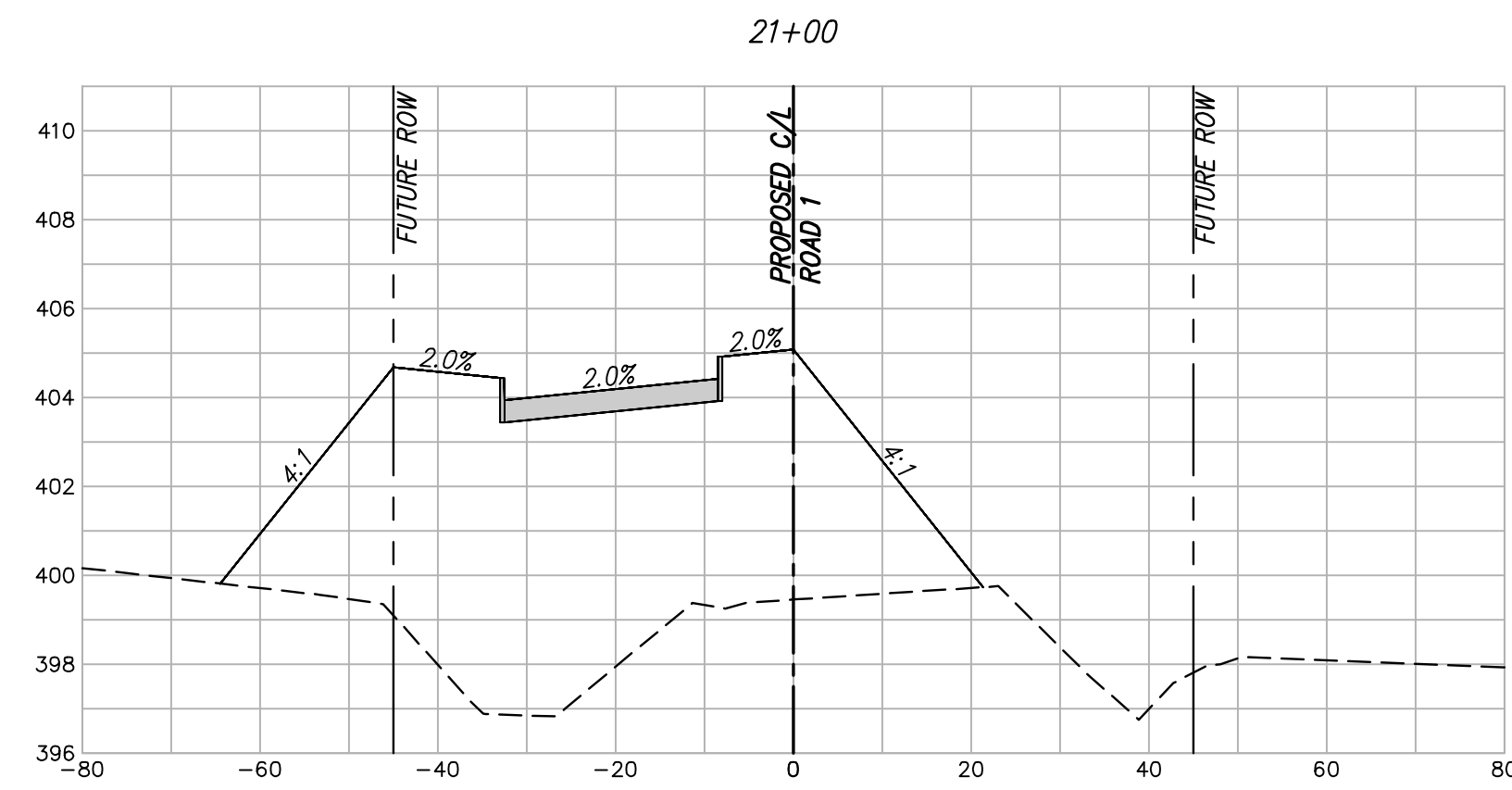
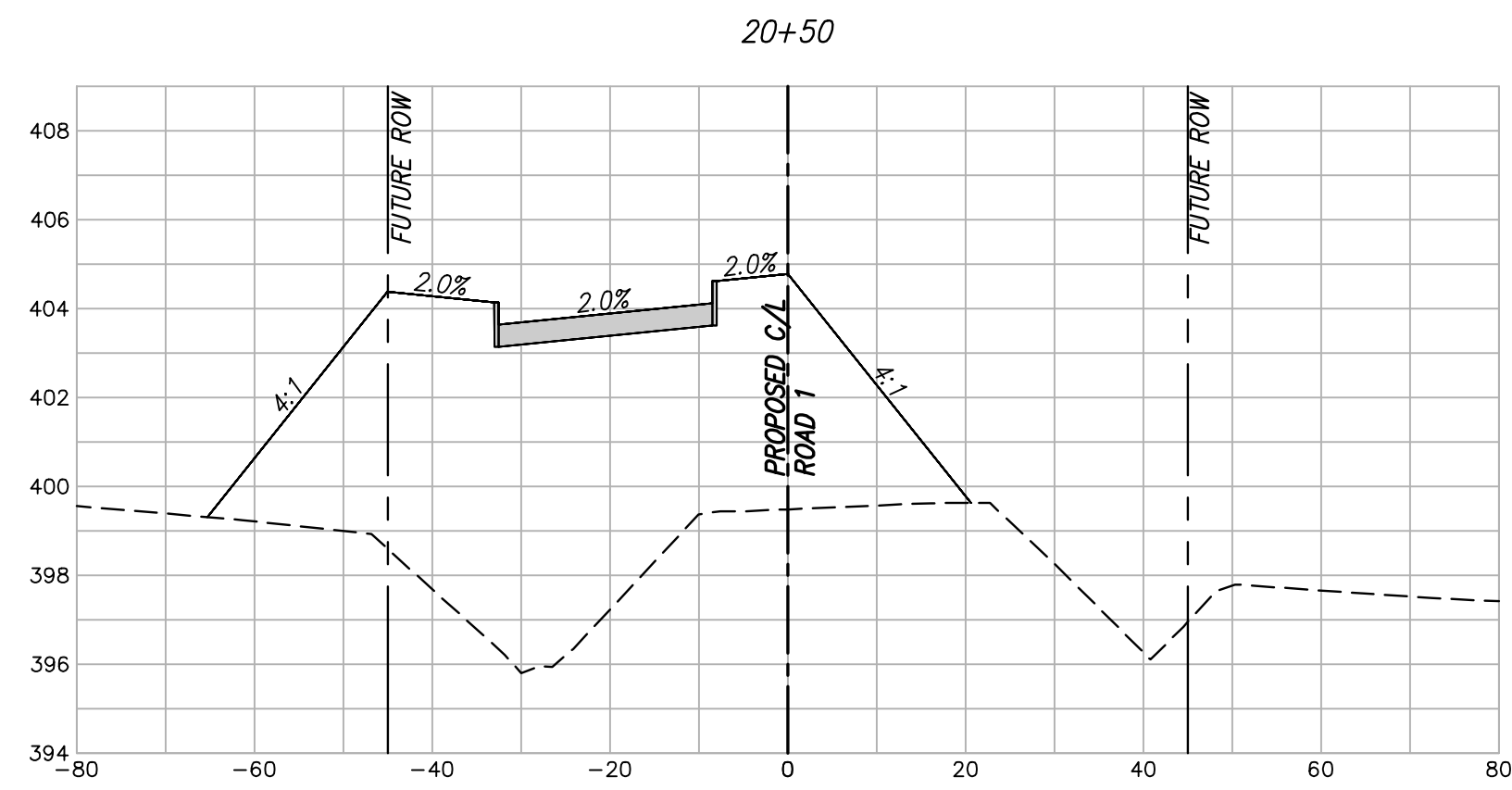


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 16+00 TO 20+00

tnp project
KFM22494
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14
 of
38

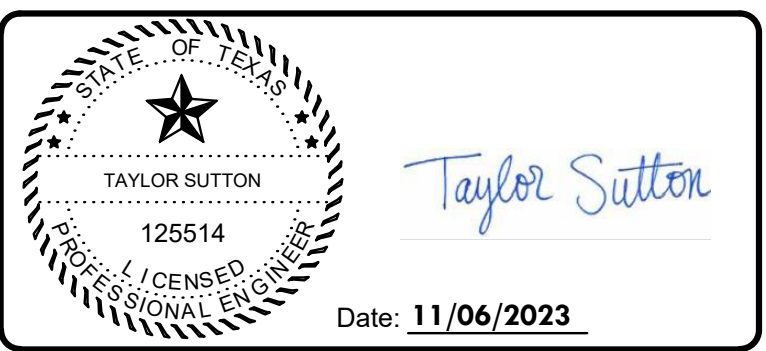


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\CROSS SECTION.dwg at Nov 08, 2023 2:54pm by ptowmsnd

no.	revision	by	date



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 www.tnppinc.com
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 GBPE: PEF007431; TBAE: BR 2673

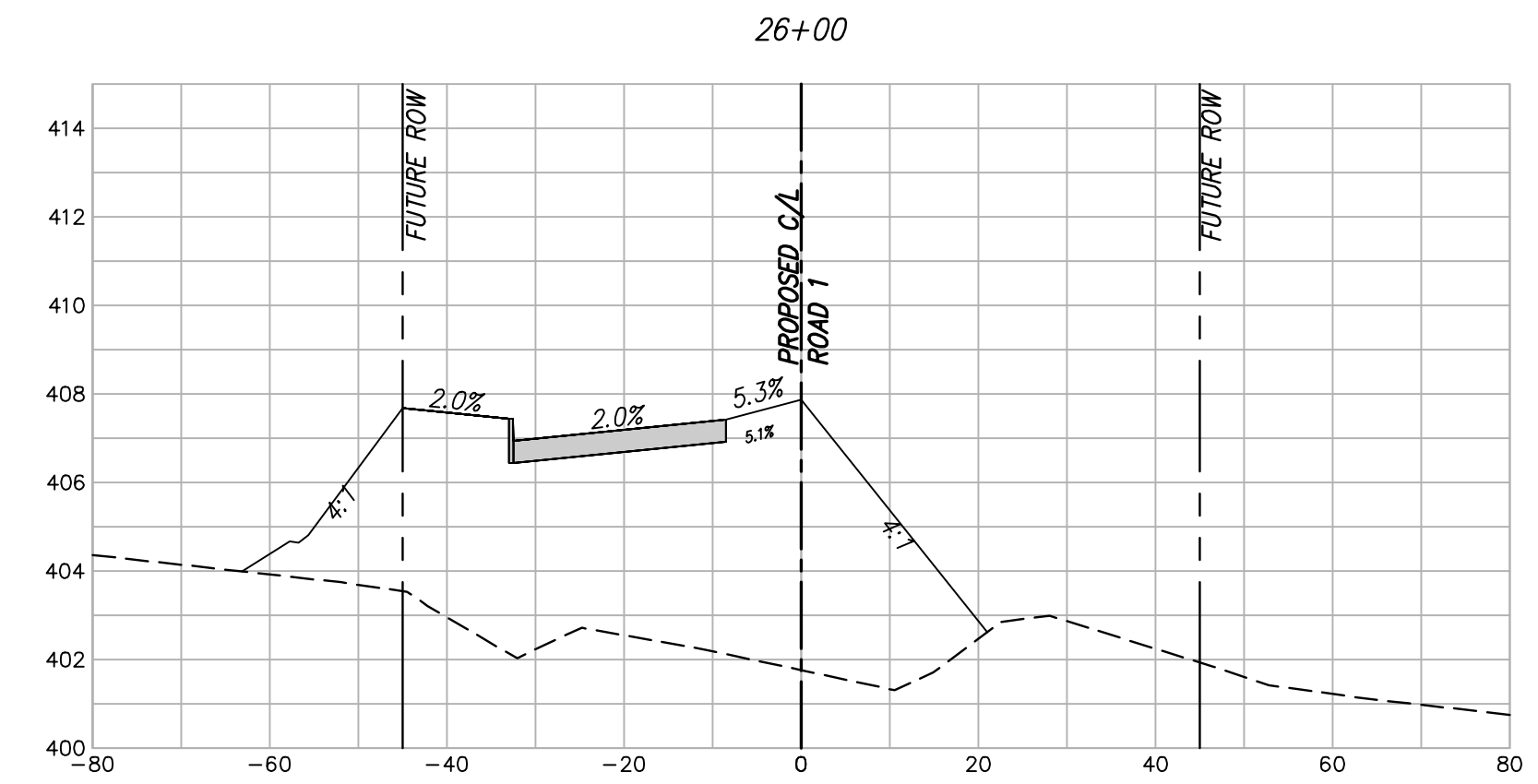
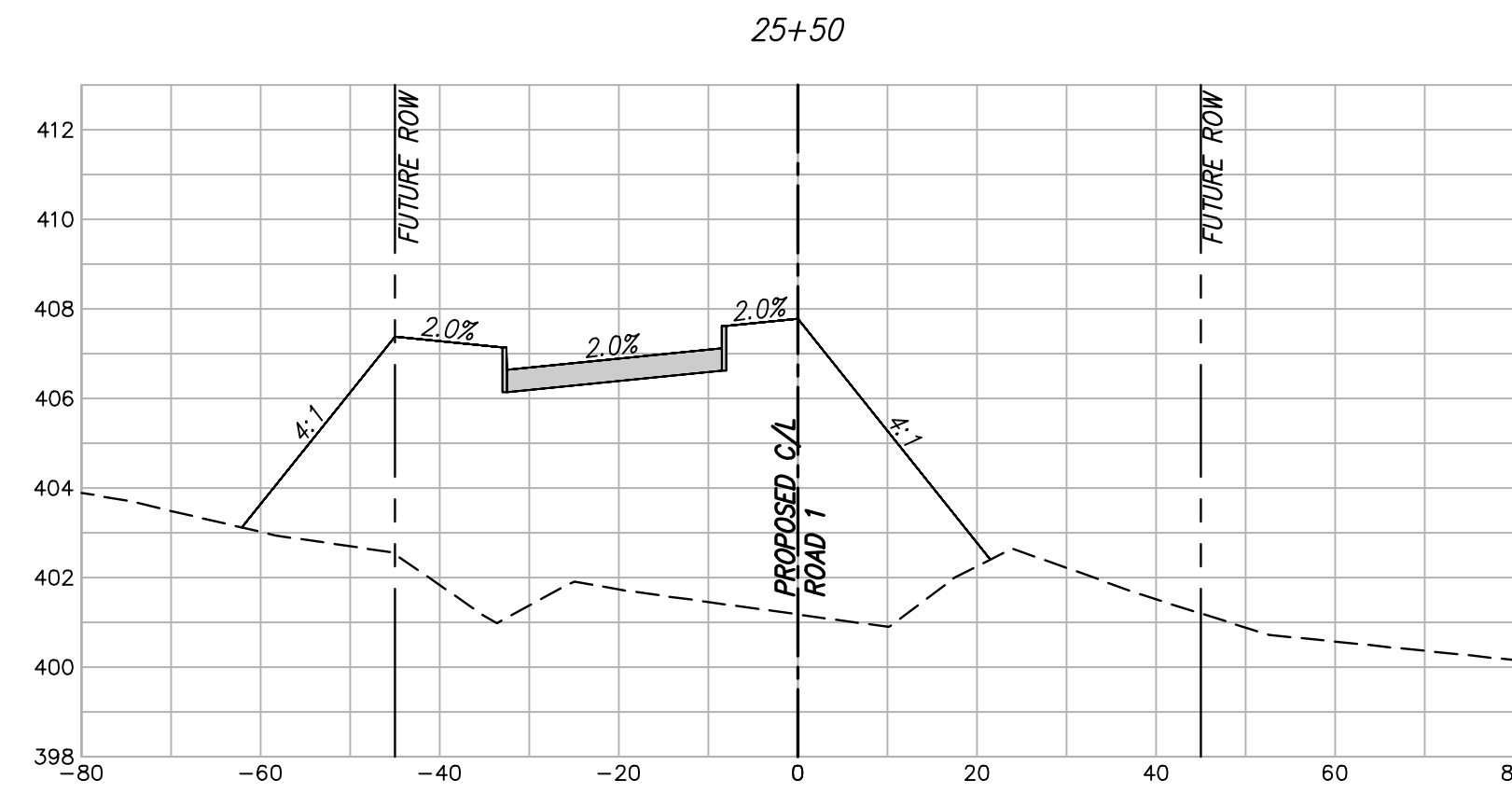
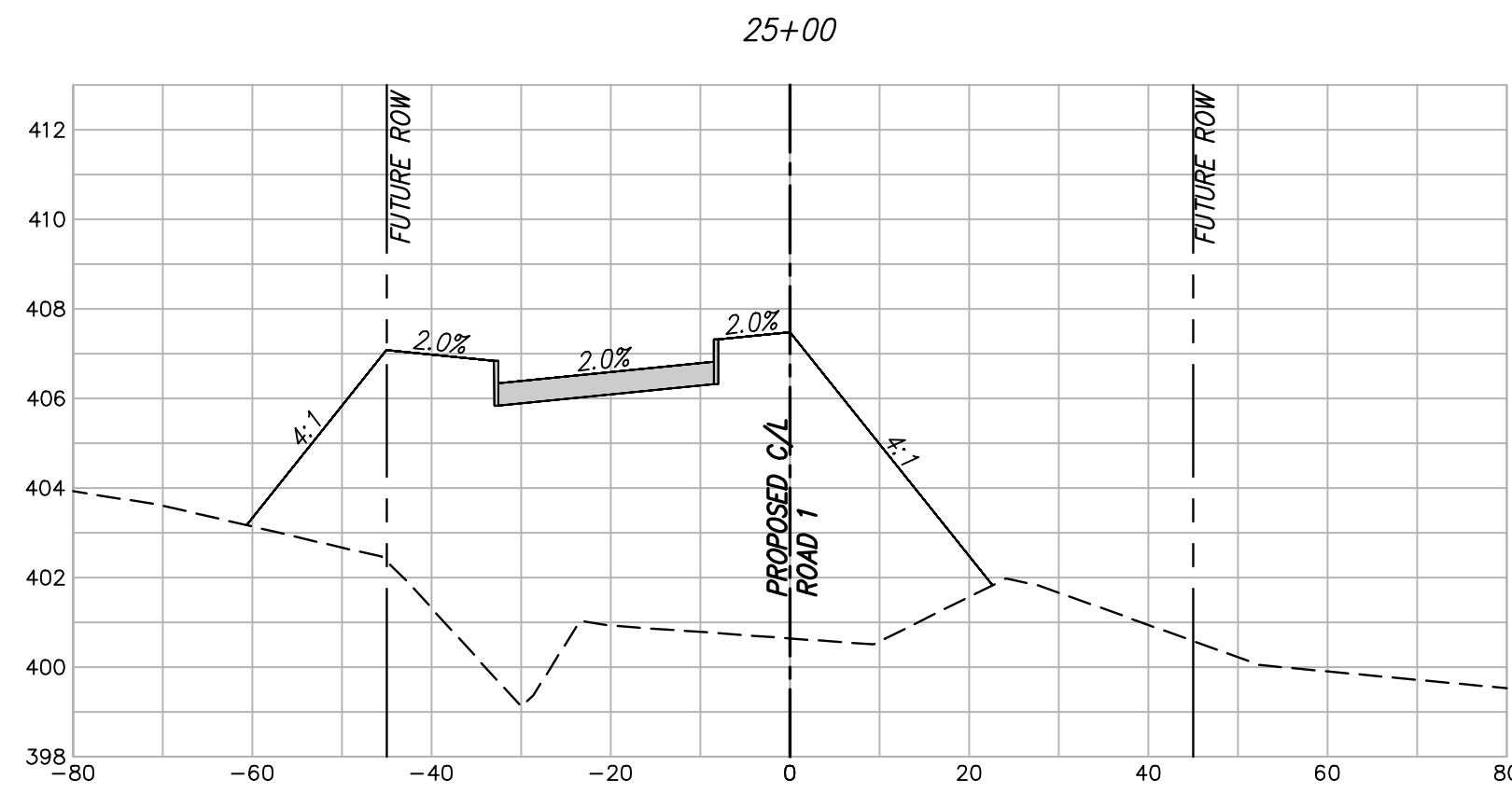


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 20+50 TO 24+50

tnp project
KFM22494
 sheet
15
 of
38

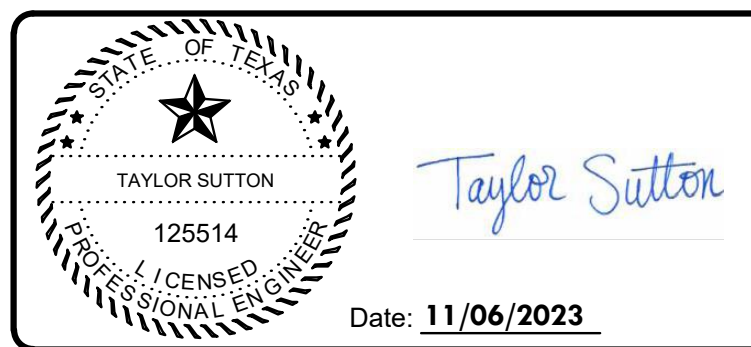


Drawing: T:\Projects\KFM22494\Eng\CADD\SHREET\CROSS SECTION.dwg at Nov 08, 2023 2:54pm by ptownsend

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

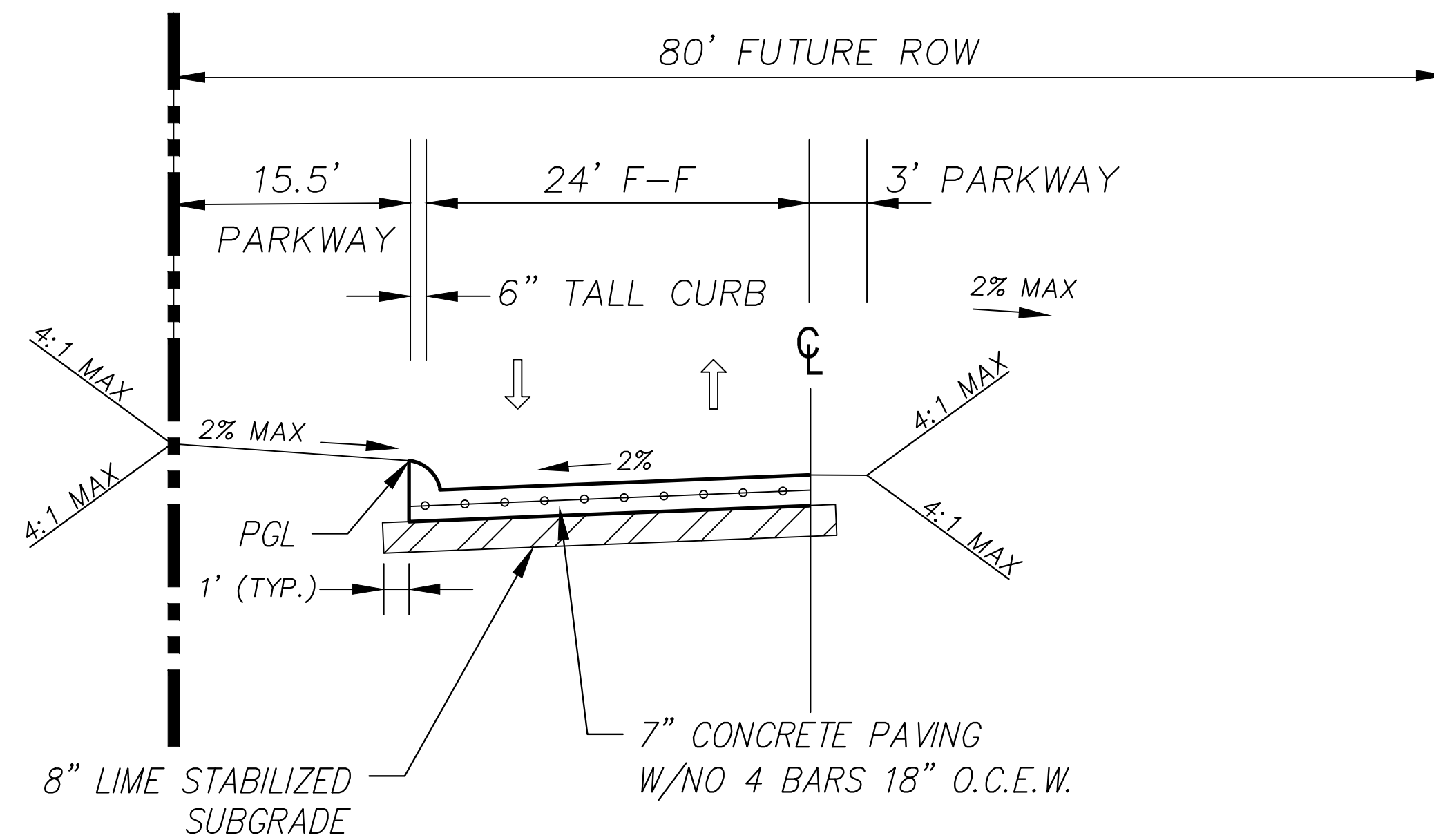


scale
 when bar is
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 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

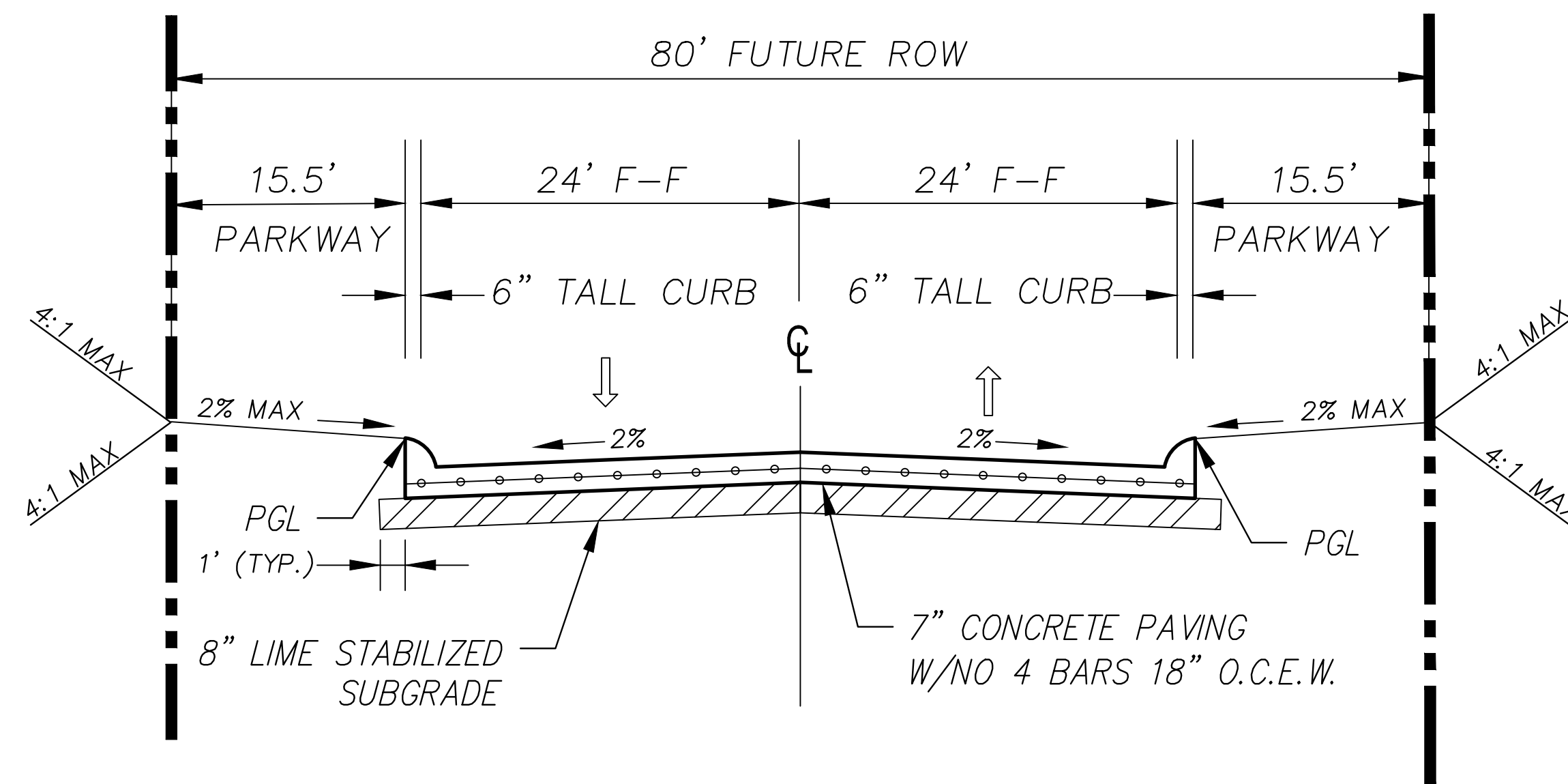
KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 1
STA. 25+00 TO 26+50

tnp project
KFM22494
 sheet
16
 of
38



ROAD 2 PROPOSED TYPICAL SECTION



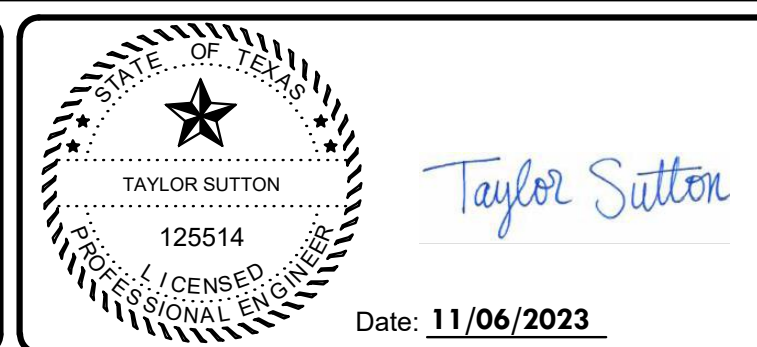
ROAD 2 FUTURE TYPICAL SECTION

Drawing: T:\Projects\KFM22494\Eng\CADD\SHREET\KFM22494-TYPICAL SECTION.dwg at Nov 08, 2023 2:34pm by jlowmsand

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

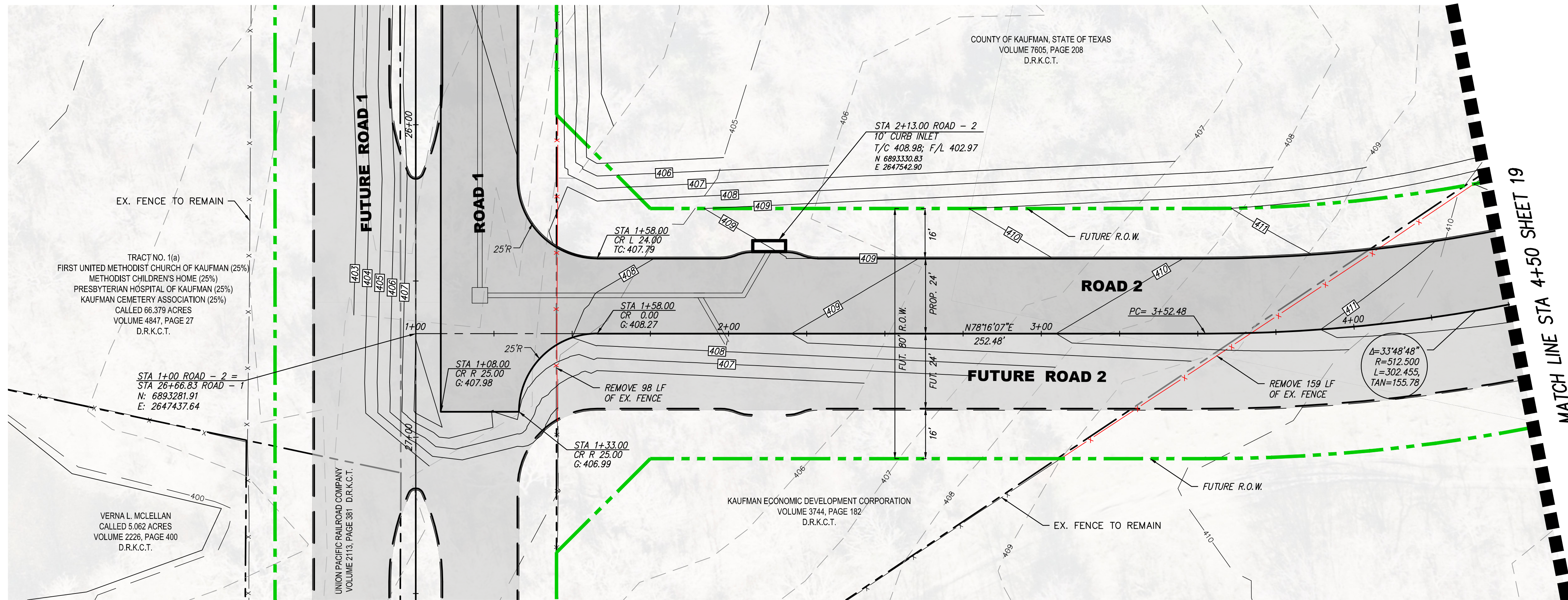


scale
 when bar is
 1 inch long
 horiz
 N/A
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

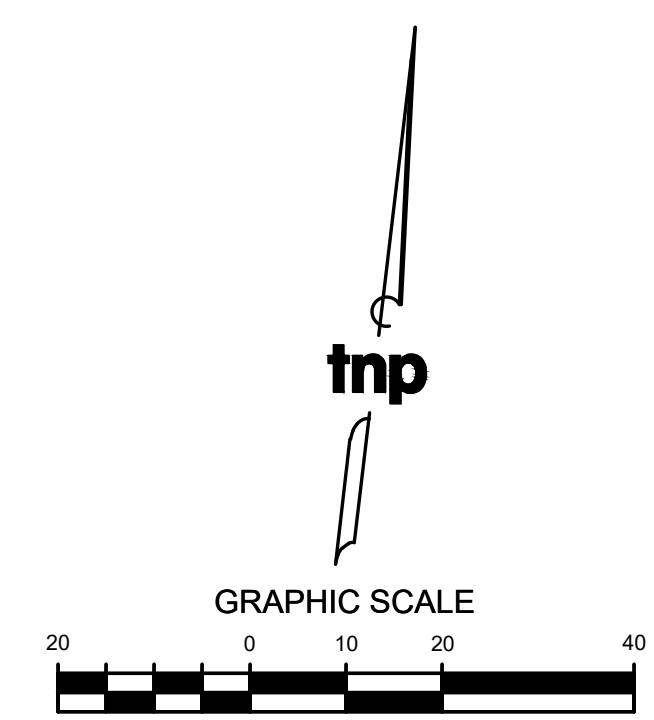
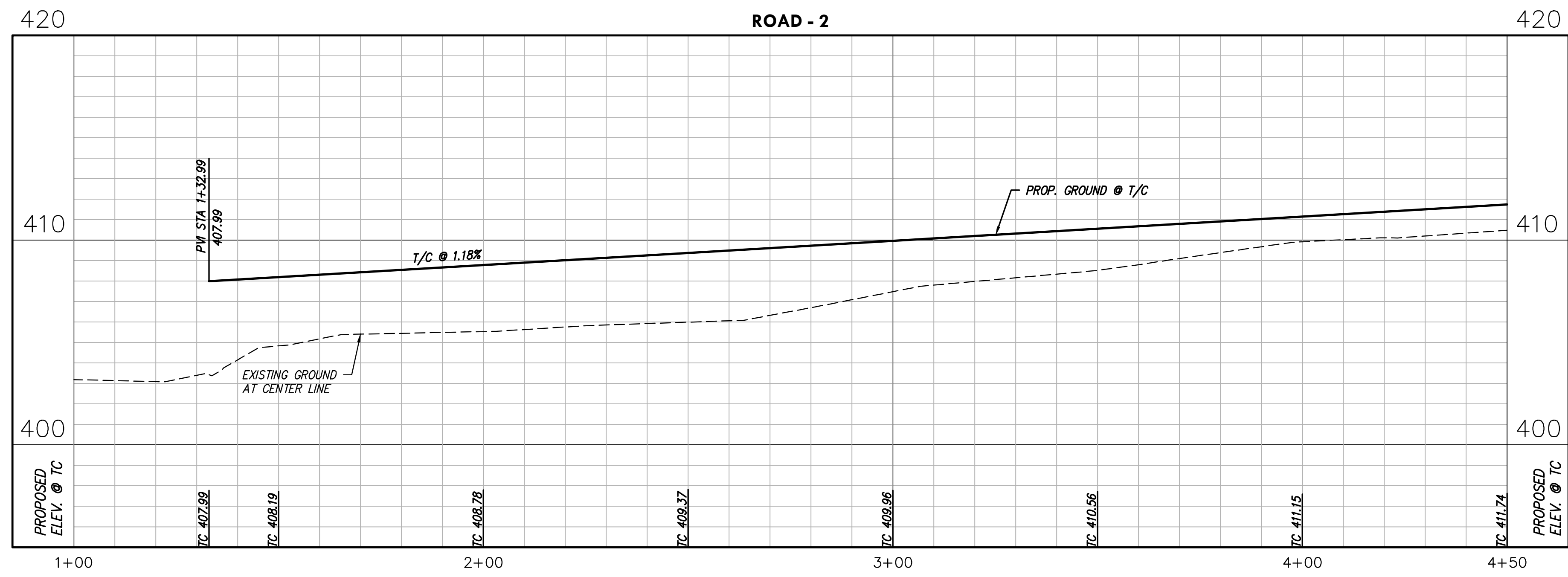
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
TYPICAL SECTION ROAD 2

tnp project
KFM22494
 sheet
17
 of
38



NOTES:
 1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 2. FUTURE ROADWAY IS SHOWN FOR PLANNING PURPOSES ONLY. ONLY PROPOSED ROADWAY IS INCLUDED IN THIS PROJECT SCOPE.

LEGEND	
	PROPOSED CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	FUTURE RIGHT-OF-WAY
	FUTURE CURB
	EXISTING FENCE
	FENCE TO BE REMOVED
	ITEMS TO BE REMOVED
	EXISTING EASEMENT
	EXISTING PROPERTY LINES
	PROPOSED CENTER LINE
	FLOODPLAIN
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED CONTOUR
	PROPOSED HEADWALL

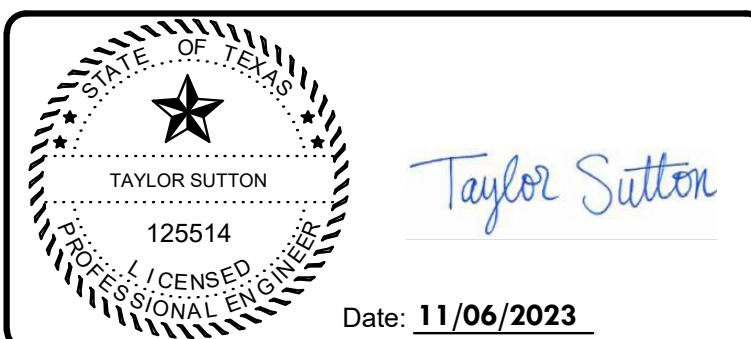


Drawing: T:\Projects\KFM22494\Eng\CADD\CADD\SHR\KFM22494-PAVING PLAN AND PROFILE.dwg at Nov_08_2023 2:25pm by jrowland

no.	revision	by	date



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 www.tnpsc.com
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 GBPE: PEF007431; TBAE: BR 2673

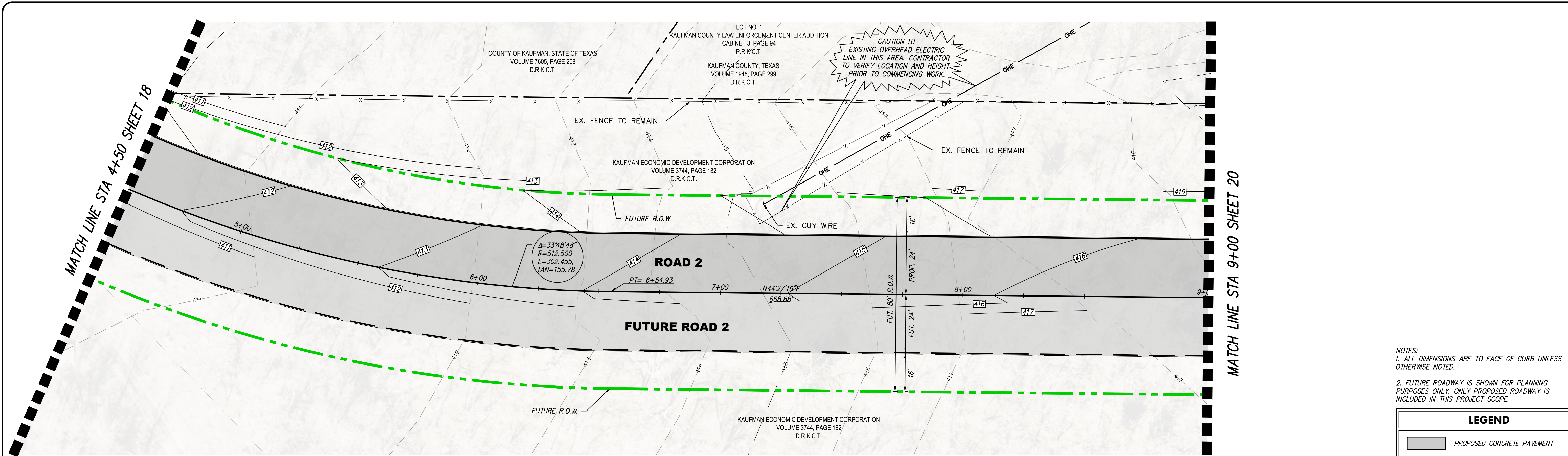


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 2 STA
1+00 TO 4+50

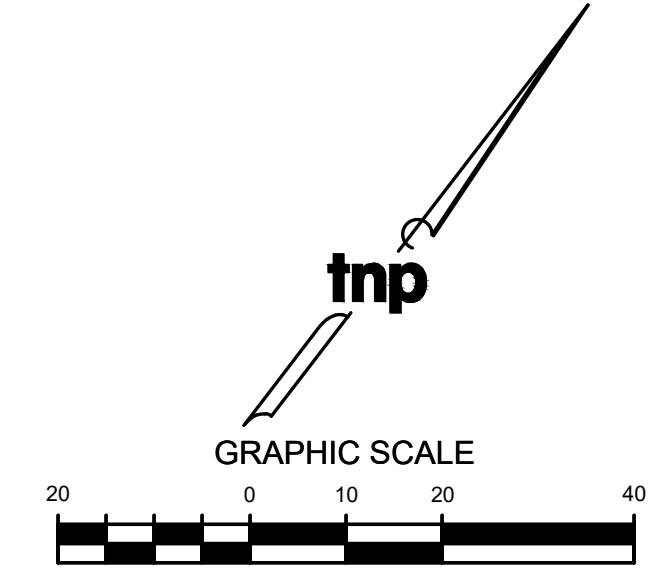
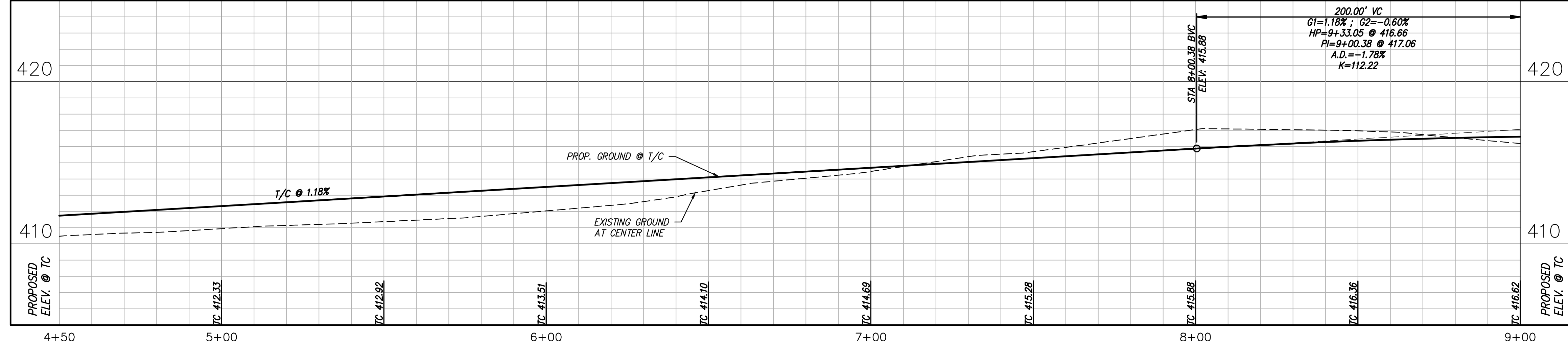
tnp project
 KFM22494
 sheet
18
 of
38



NOTES:
 1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 2. FUTURE ROADWAY IS SHOWN FOR PLANNING PURPOSES ONLY. ONLY PROPOSED ROADWAY IS INCLUDED IN THIS PROJECT SCOPE.

LEGEND	
	PROPOSED CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	FUTURE RIGHT-OF-WAY
	FUTURE CURB
	EXISTING FENCE
	FENCE TO BE REMOVED
	ITEMS TO BE REMOVED
	EXISTING EASEMENT
	EXISTING PROPERTY LINES
	PROPOSED CENTER LINE
	FLOODPLAIN
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED CONTOUR
	PROPOSED HEADWALL

ROAD - 2

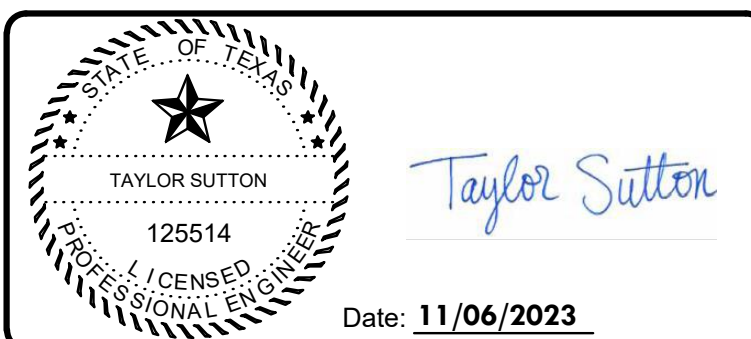


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\KFM22494-PAVING PLAN AND PROFILE.dwg at Nov_08_2023 2:53pm by jrowland

no.	revision	by	date



teague nall and perkins, inc
 825 Waters Creek Blvd., Suite M300
 Allen, Texas 75013
 214.461.9867 ph 214.461.9864 fx
 www.tnpsc.com
 TBPES: ENGR F-230; SURV 10011600, 10011601, 1019438
 GBPE: PE007431; TBAE: BR 2673

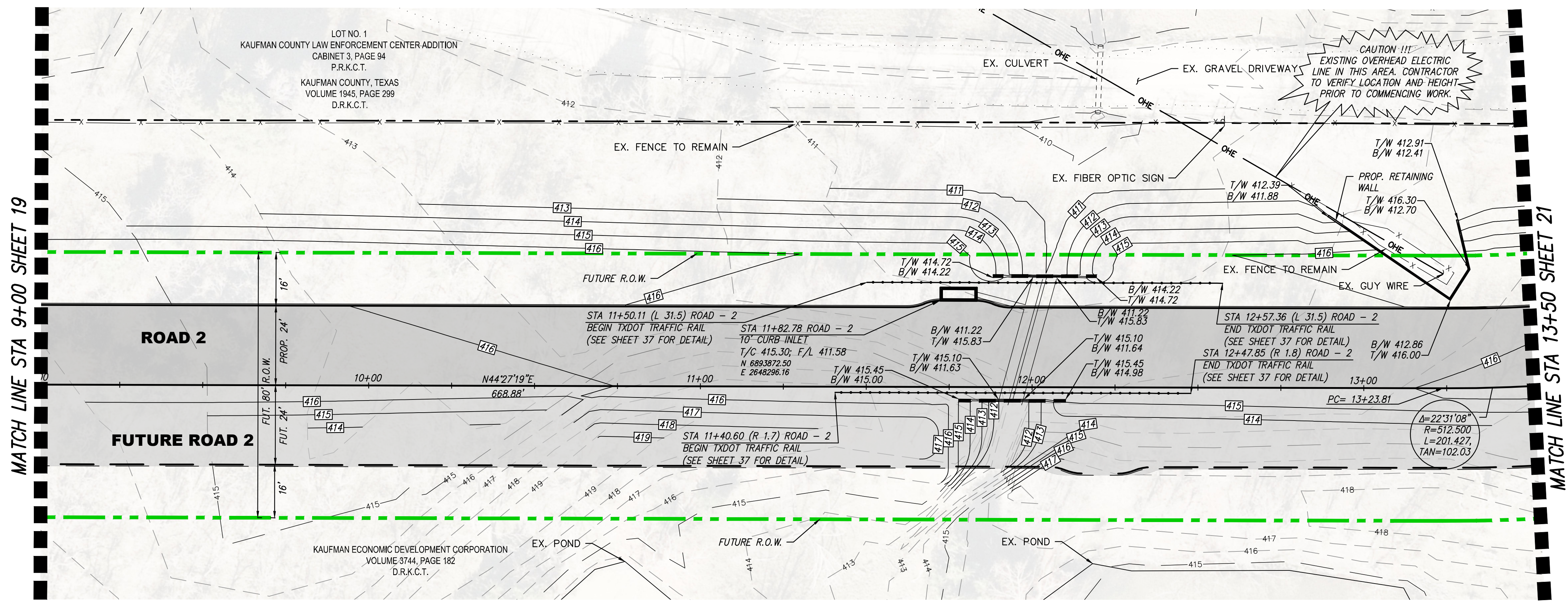


scale
 when bar is 1 inch long
 horiz 1"=20'
 vert 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 2 STA
4+50 TO 9+00

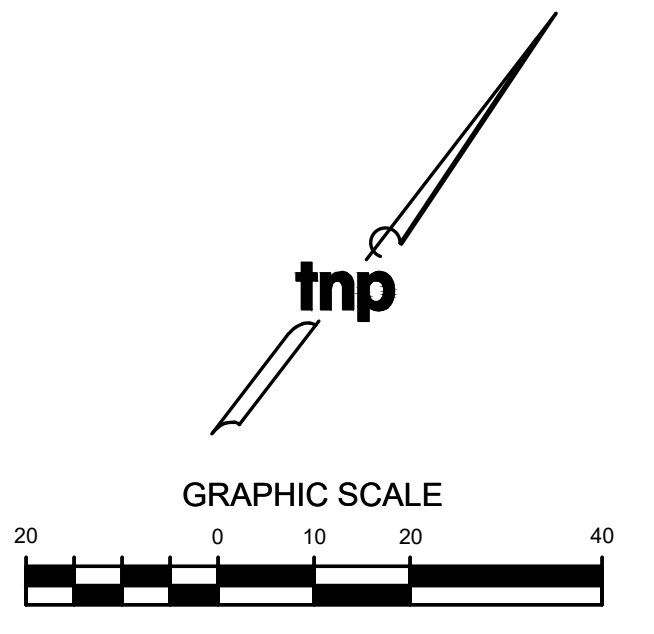
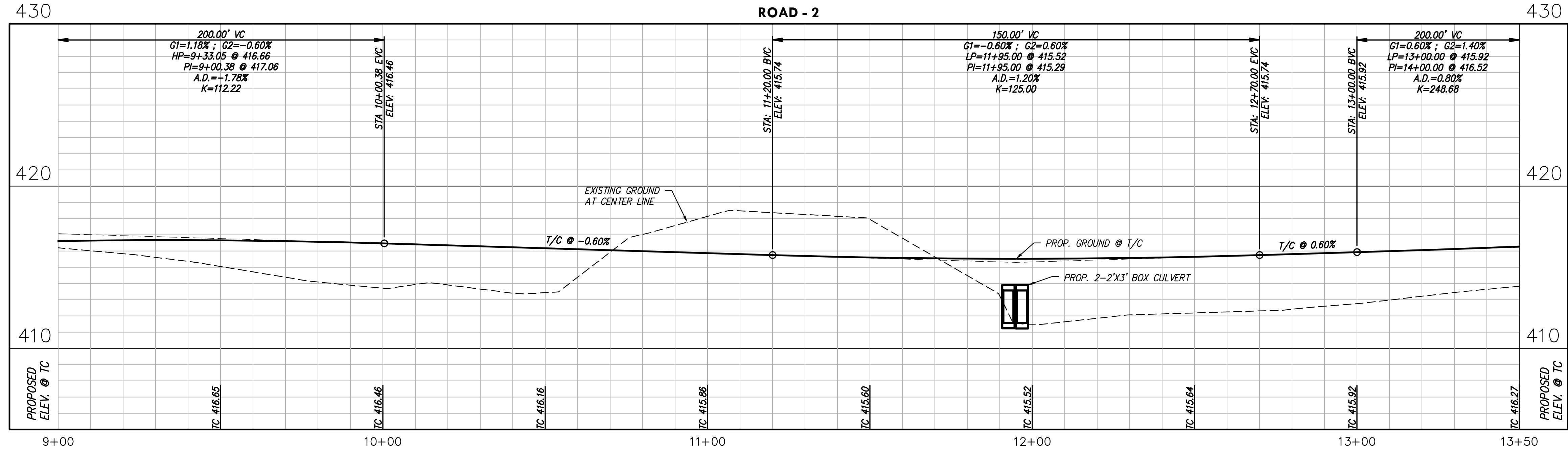
tnp project
KFM22494
 sheet
19
 of
38



- NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 2. FUTURE ROADWAY IS SHOWN FOR PLANNING PURPOSES ONLY. ONLY PROPOSED ROADWAY IS INCLUDED IN THIS PROJECT SCOPE.

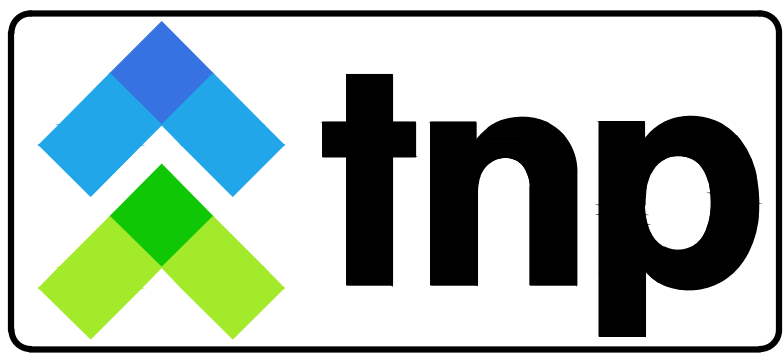
LEGEND

- PROPOSED CONCRETE PAVEMENT
- FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
- FUTURE RIGHT-OF-WAY
- FUTURE CURB
- EXISTING FENCE
- FENCE TO BE REMOVED
- ITEMS TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PROPERTY LINES
- PROPOSED CENTER LINE
- FLOODPLAIN
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED CONTOUR
- PROPOSED HEADWALL



Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\KFM22494-PAVING PLAN AND PROFILE.dwg at Nov 08, 2023 2:55pm by jrowland

no.	revision	by	date



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GBPE: PEF007431; TBAE: BR 2673

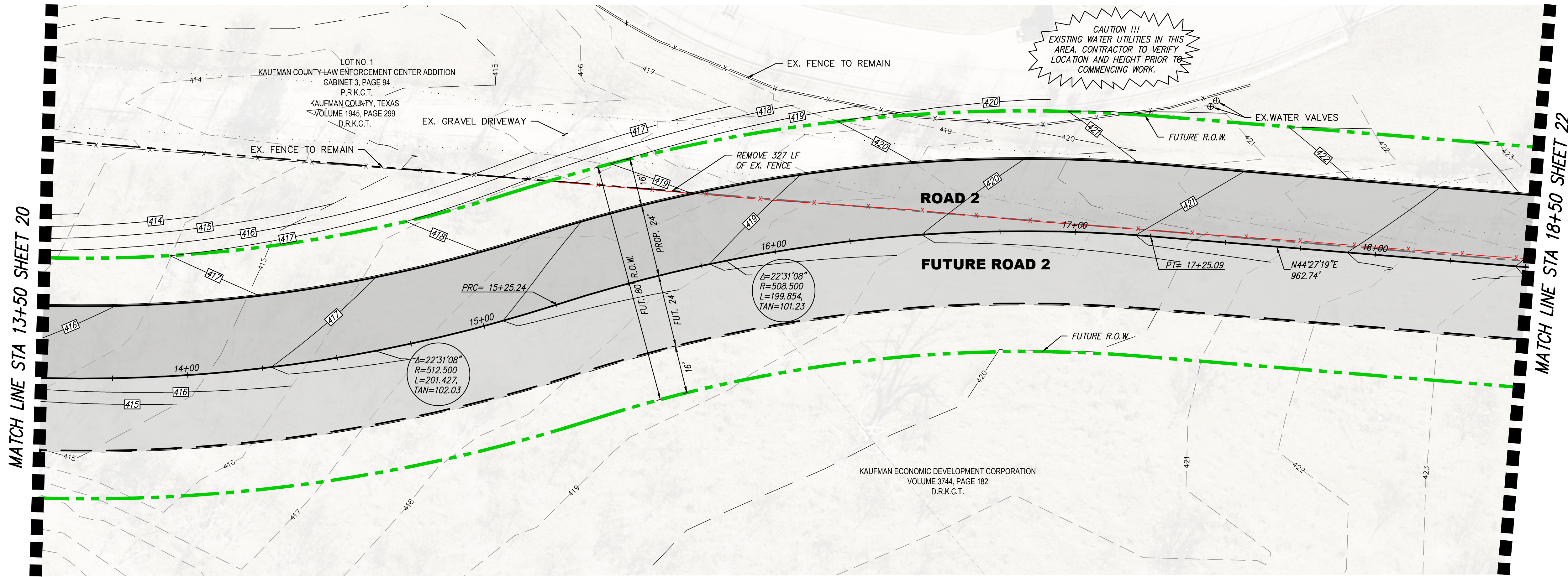


scale
when bar is
1 inch long
horiz
1"=20'
vert
1"=4'
NOV 2023

KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 2 STA
9+00 TO 13+50

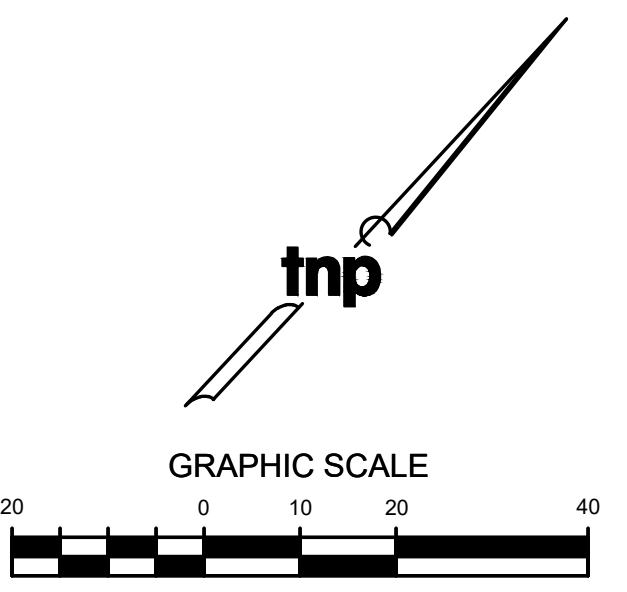
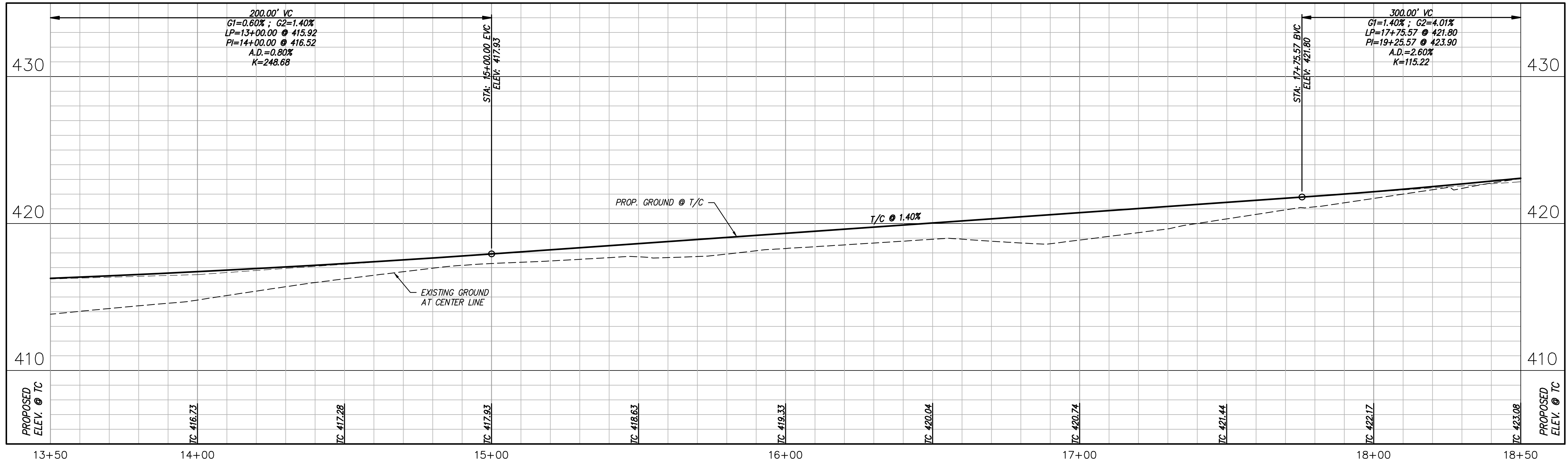
tnp project
KFM22494
sheet
20
of
38



NOTES:
 1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 2. FUTURE ROADWAY IS SHOWN FOR PLANNING PURPOSES ONLY. ONLY PROPOSED ROADWAY IS INCLUDED IN THIS PROJECT SCOPE.

LEGEND	
	PROPOSED CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	FUTURE RIGHT-OF-WAY
	FUTURE CURB
	EXISTING FENCE
	FENCE TO BE REMOVED
	ITEMS TO BE REMOVED
	EXISTING EASEMENT
	EXISTING PROPERTY LINES
	PROPOSED CENTER LINE
	FLOODPLAIN
	500' EXISTING MINOR CONTOUR
	500' EXISTING MAJOR CONTOUR
	500' PROPOSED CONTOUR
	PROPOSED HEADWALL

ROAD - 2



Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\KFM22494-PAVING PLAN AND PROFILE.dwg at Nov_08_2023 2:35pm by jrowland

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 GBPE: PEF007431; TBAE: BR 2673

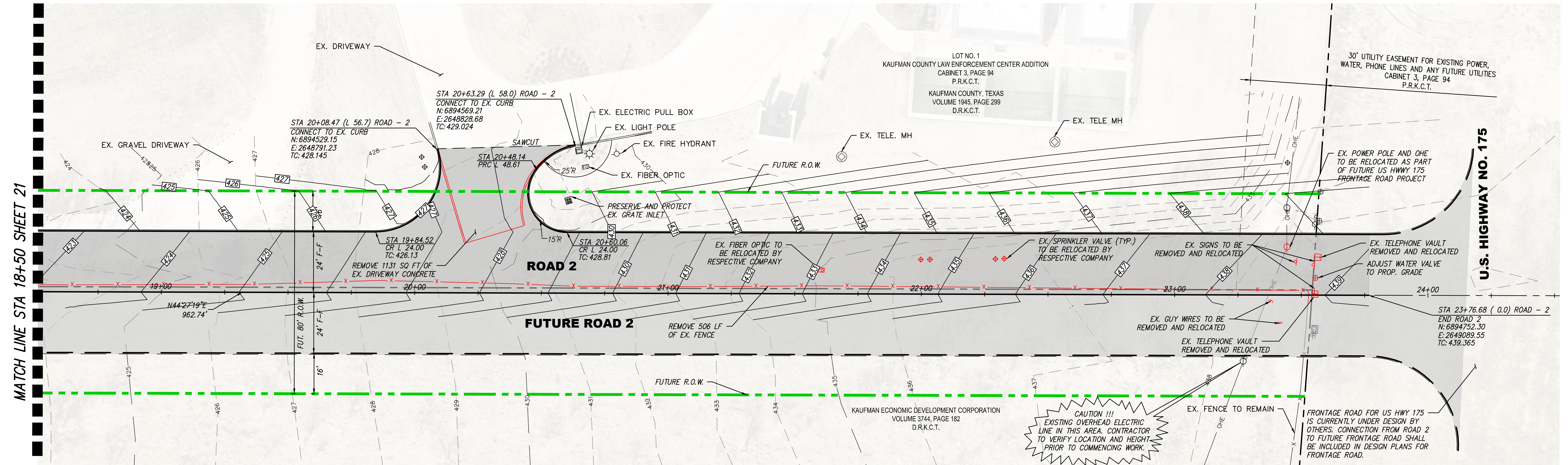


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 2 STA
13+50 TO 18+50

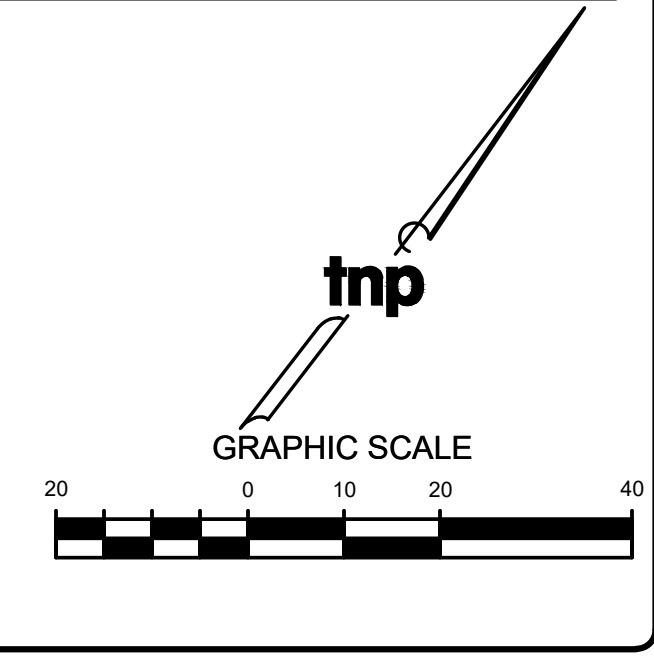
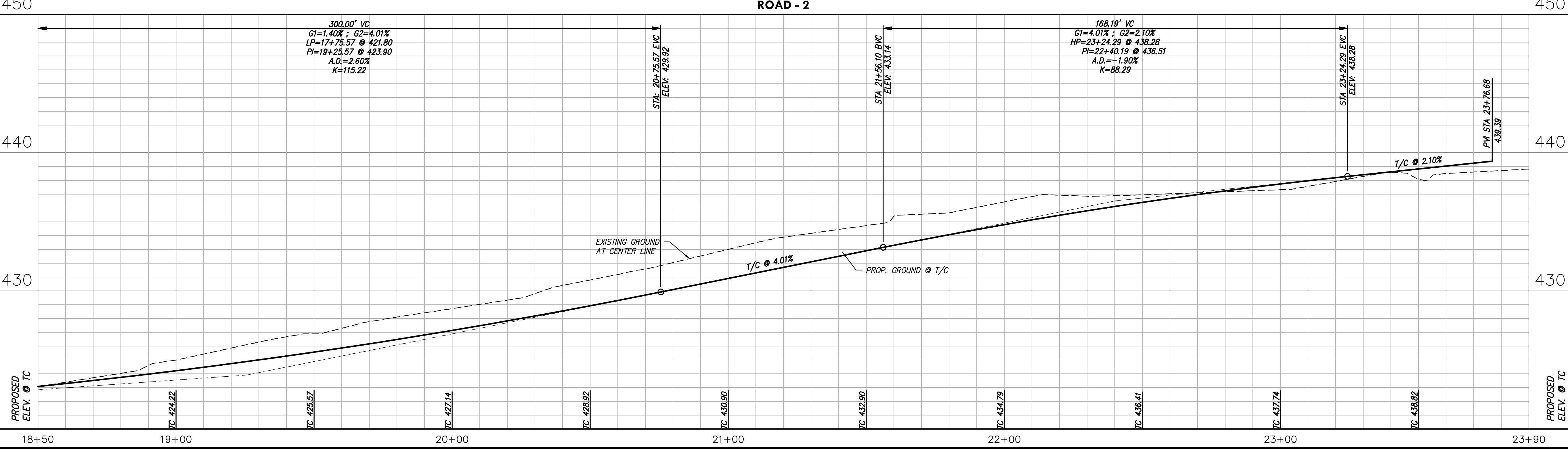
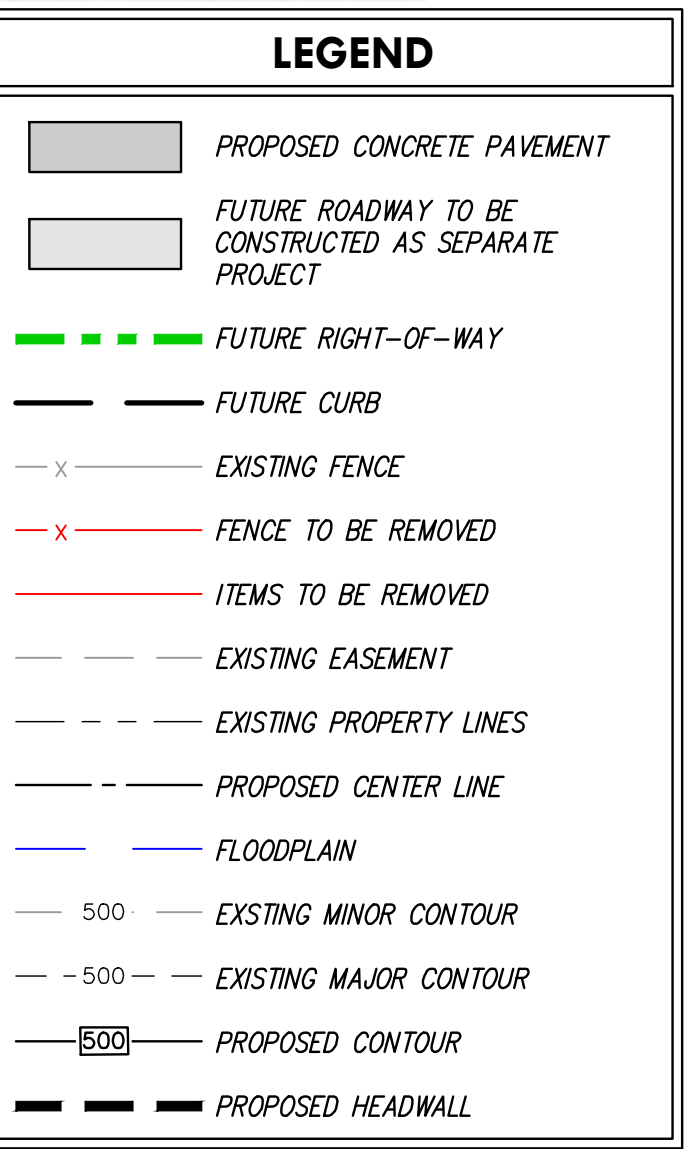
tnp project
KFM22494
 sheet
21
 of
38



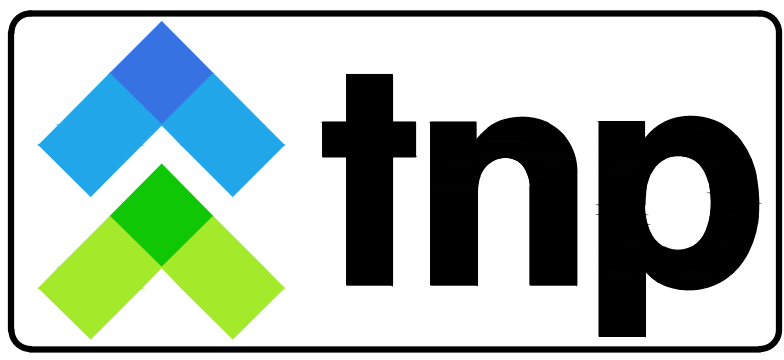
NOTES:

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CAUTION !!!
EXISTING OVERHEAD ELECTRIC LINE IN THIS AREA. CONTRACTOR TO VERIFY LOCATION AND HEIGHT PRIOR TO COMMENCING WORK.



no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673



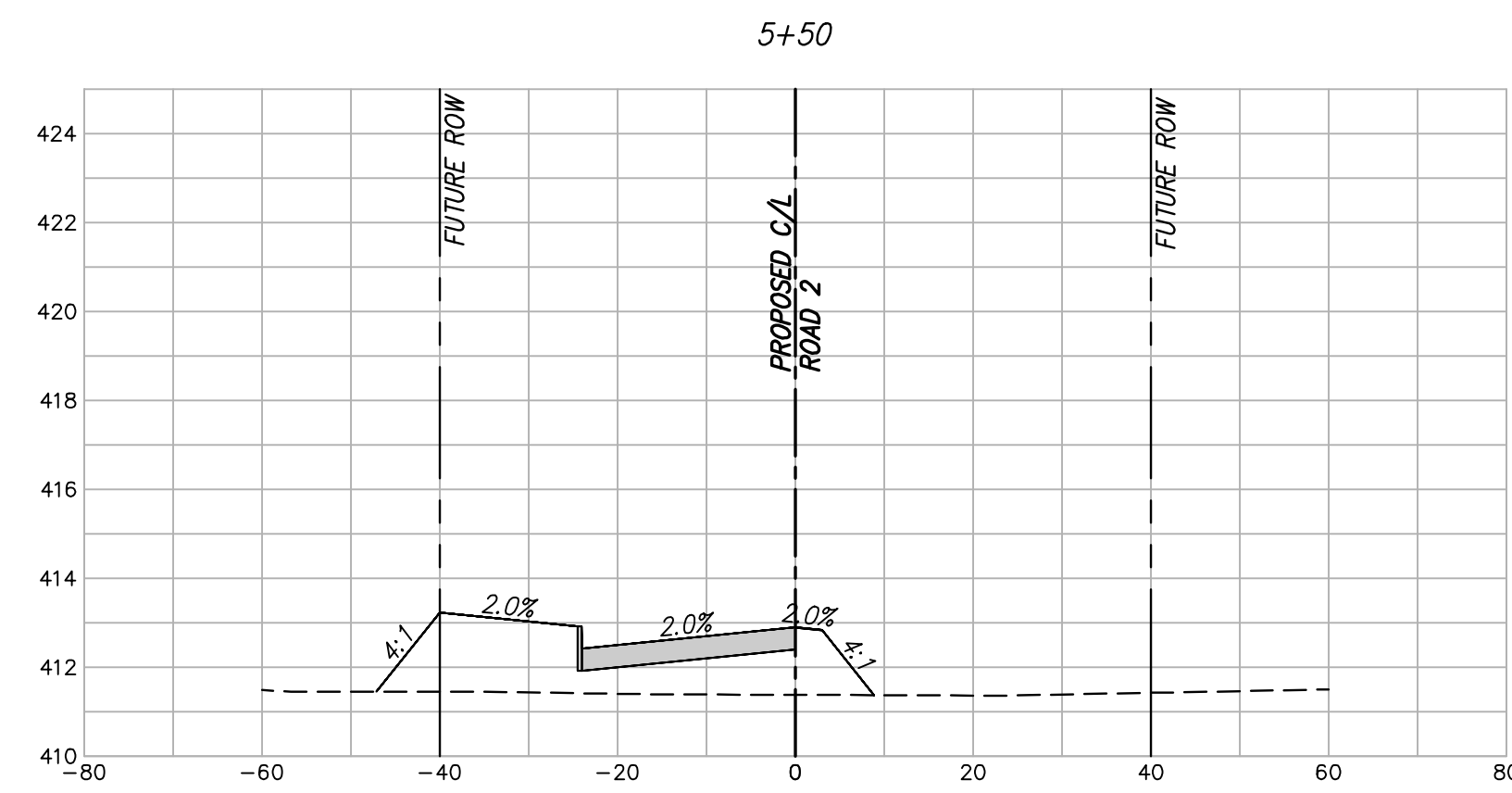
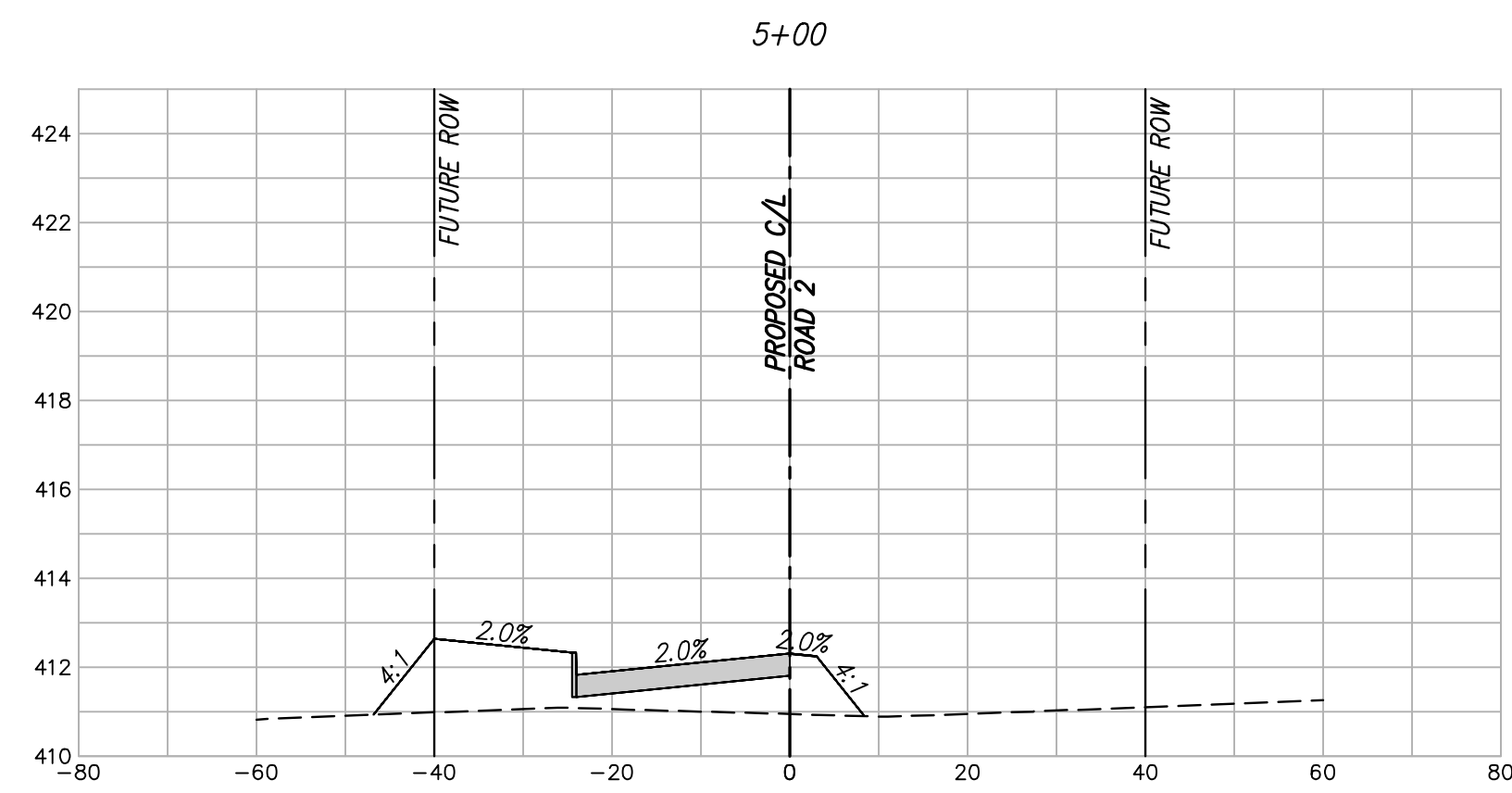
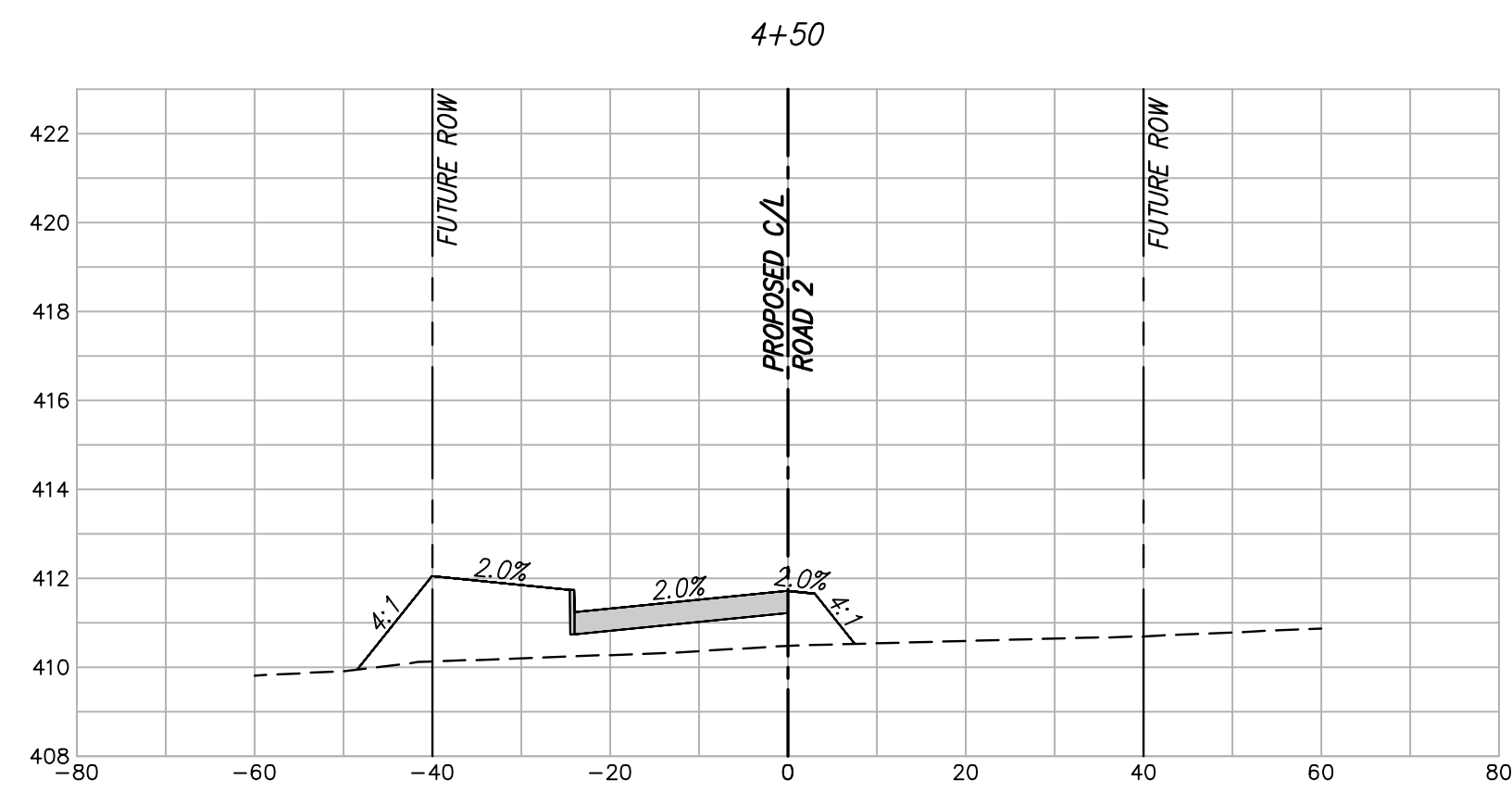
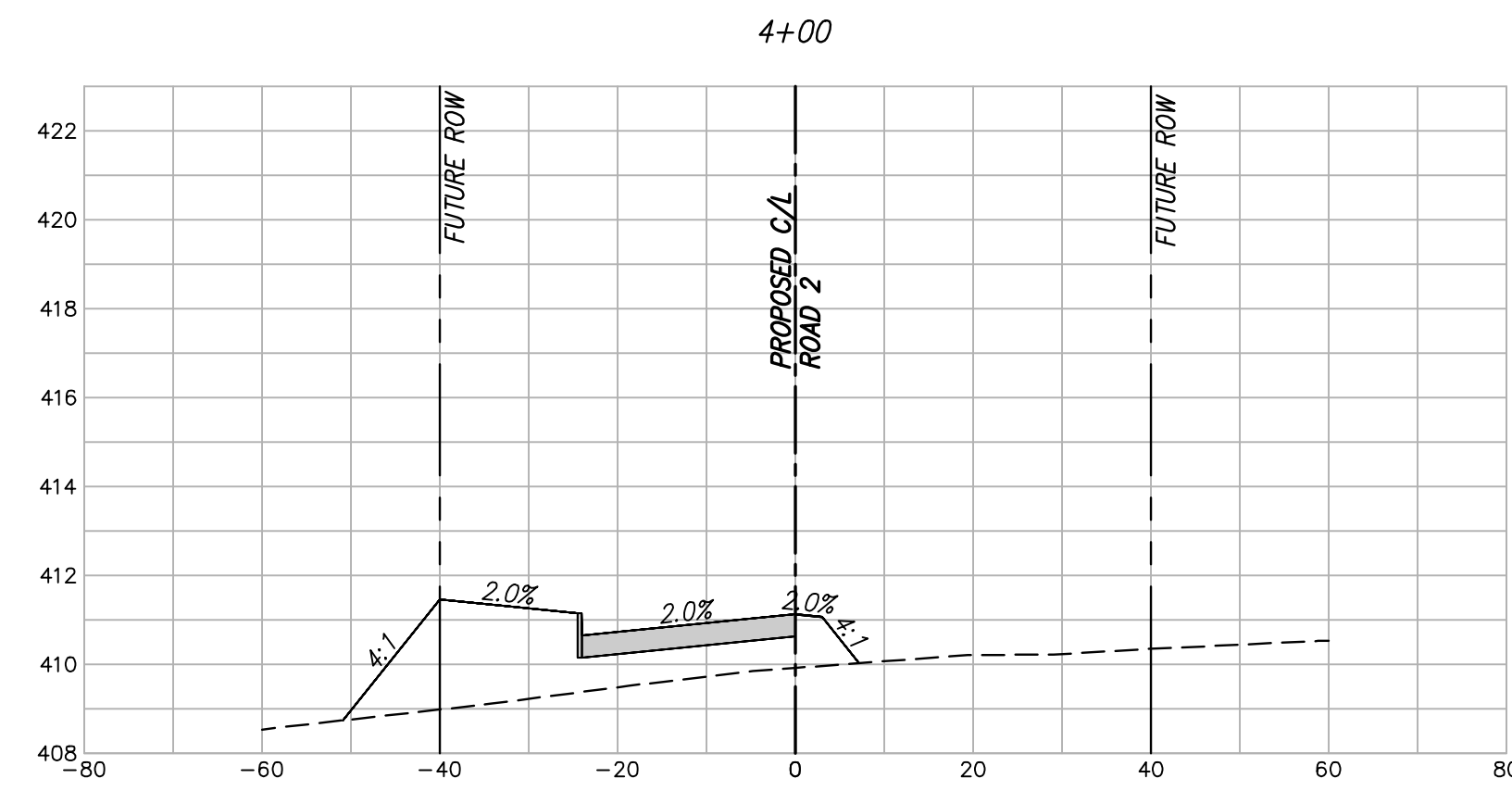
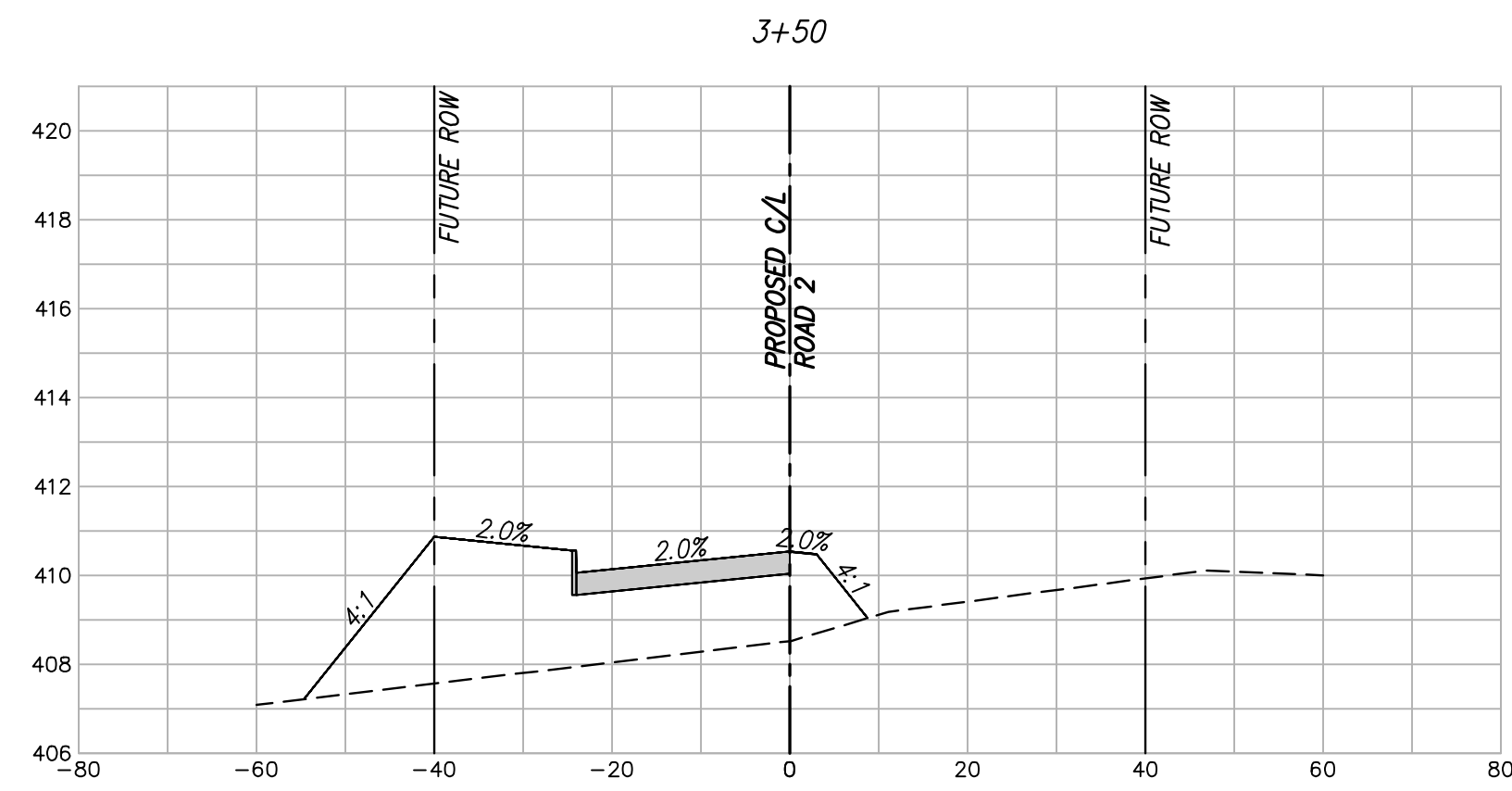
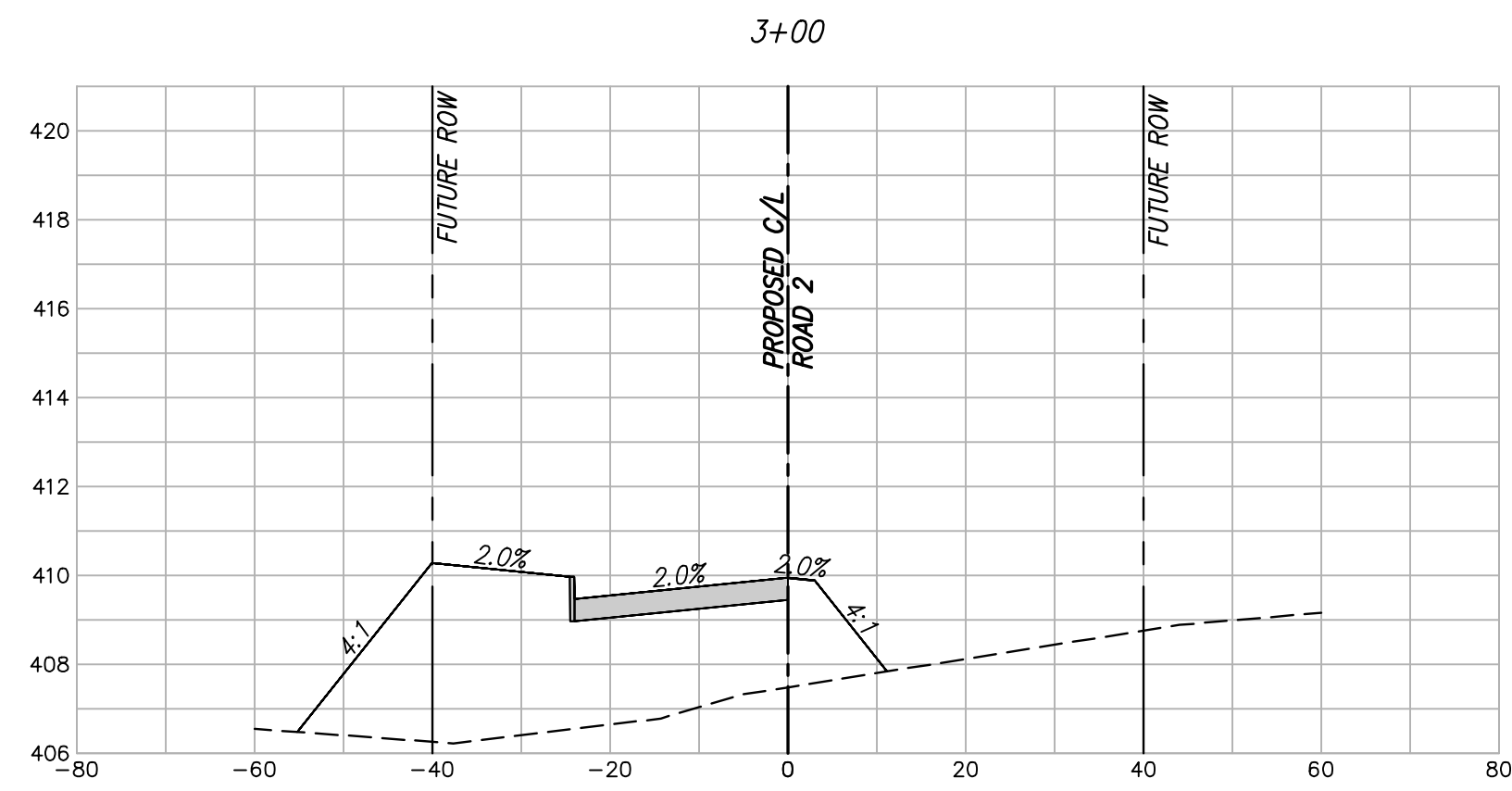
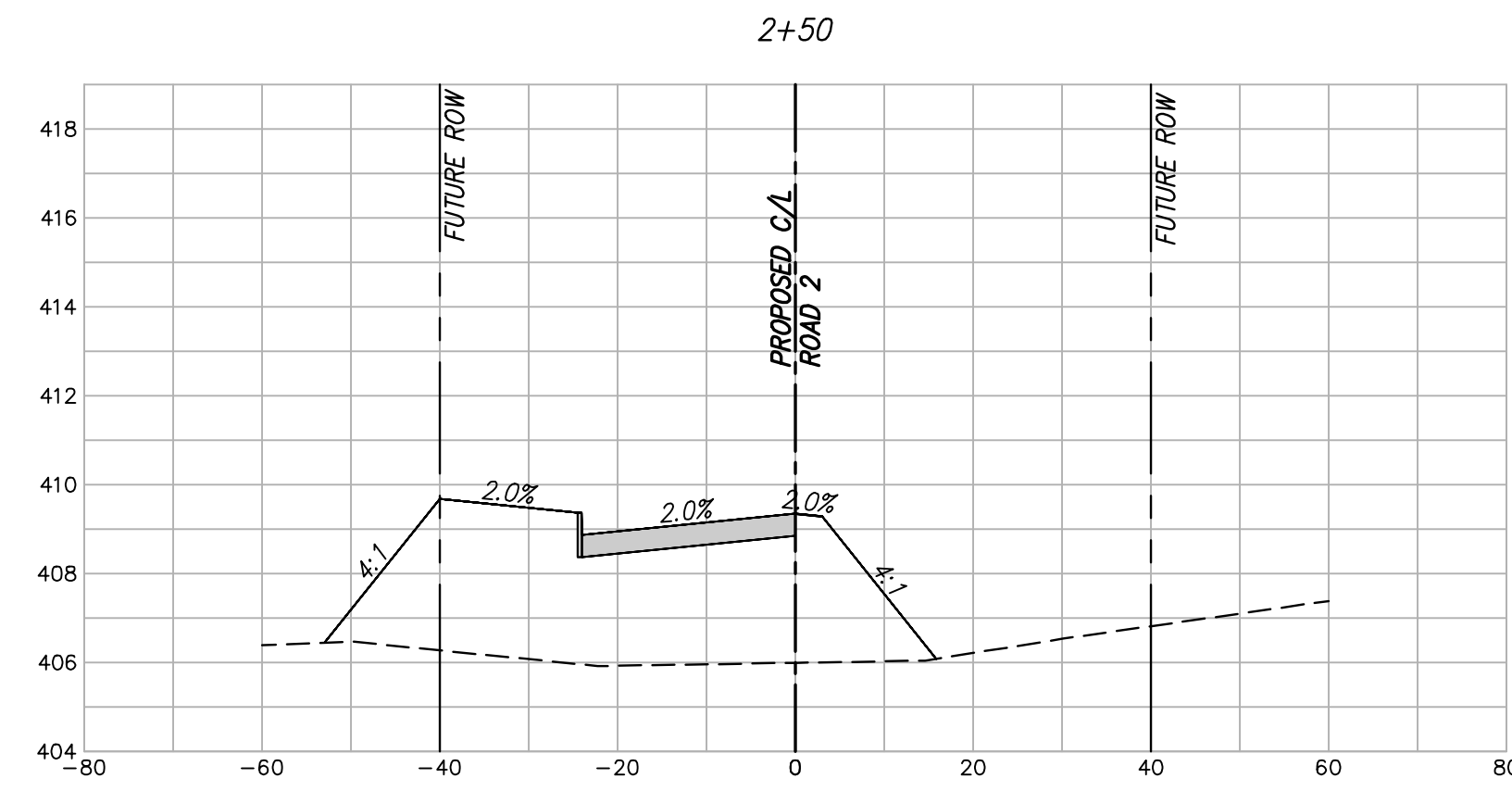
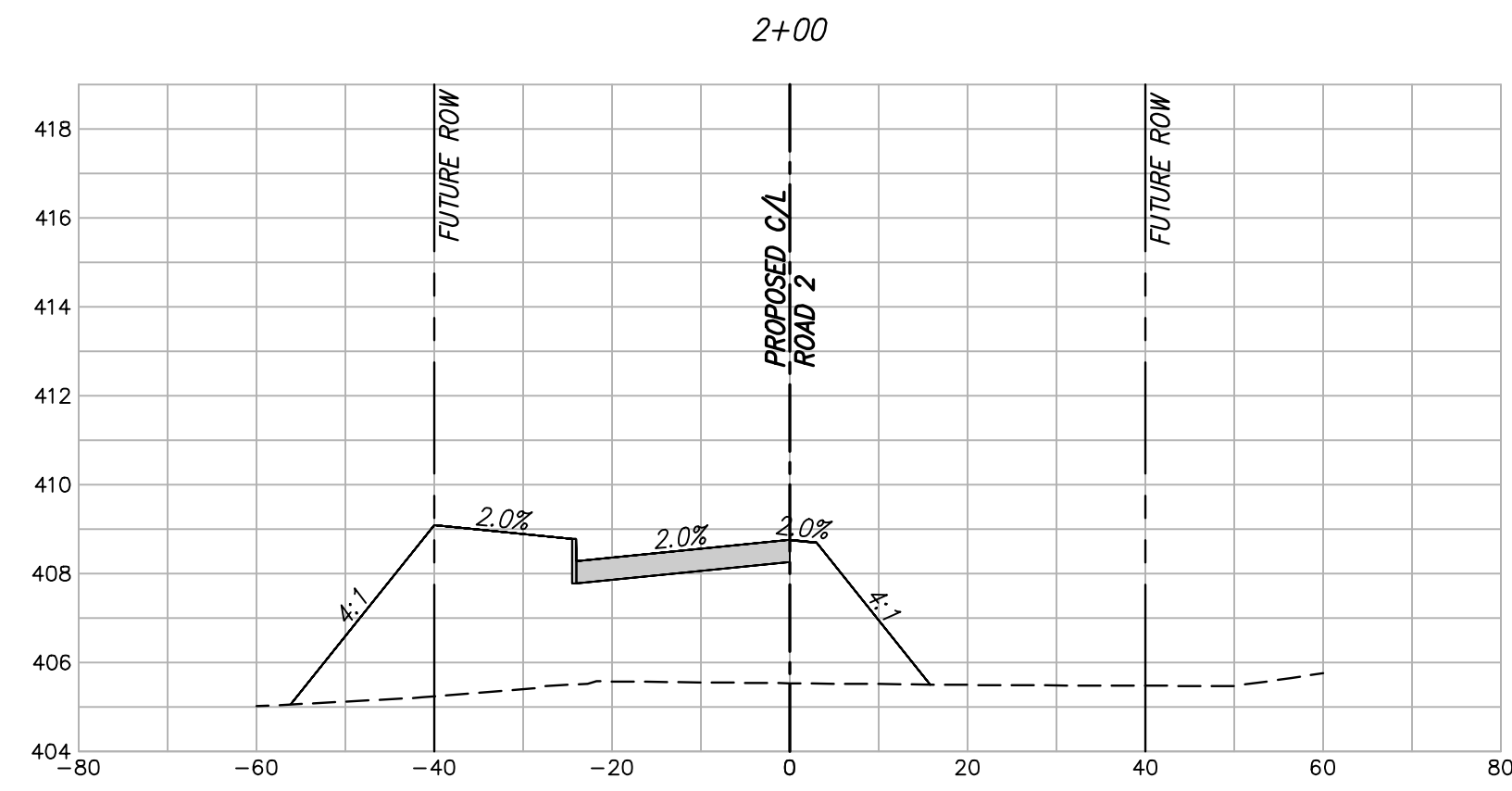
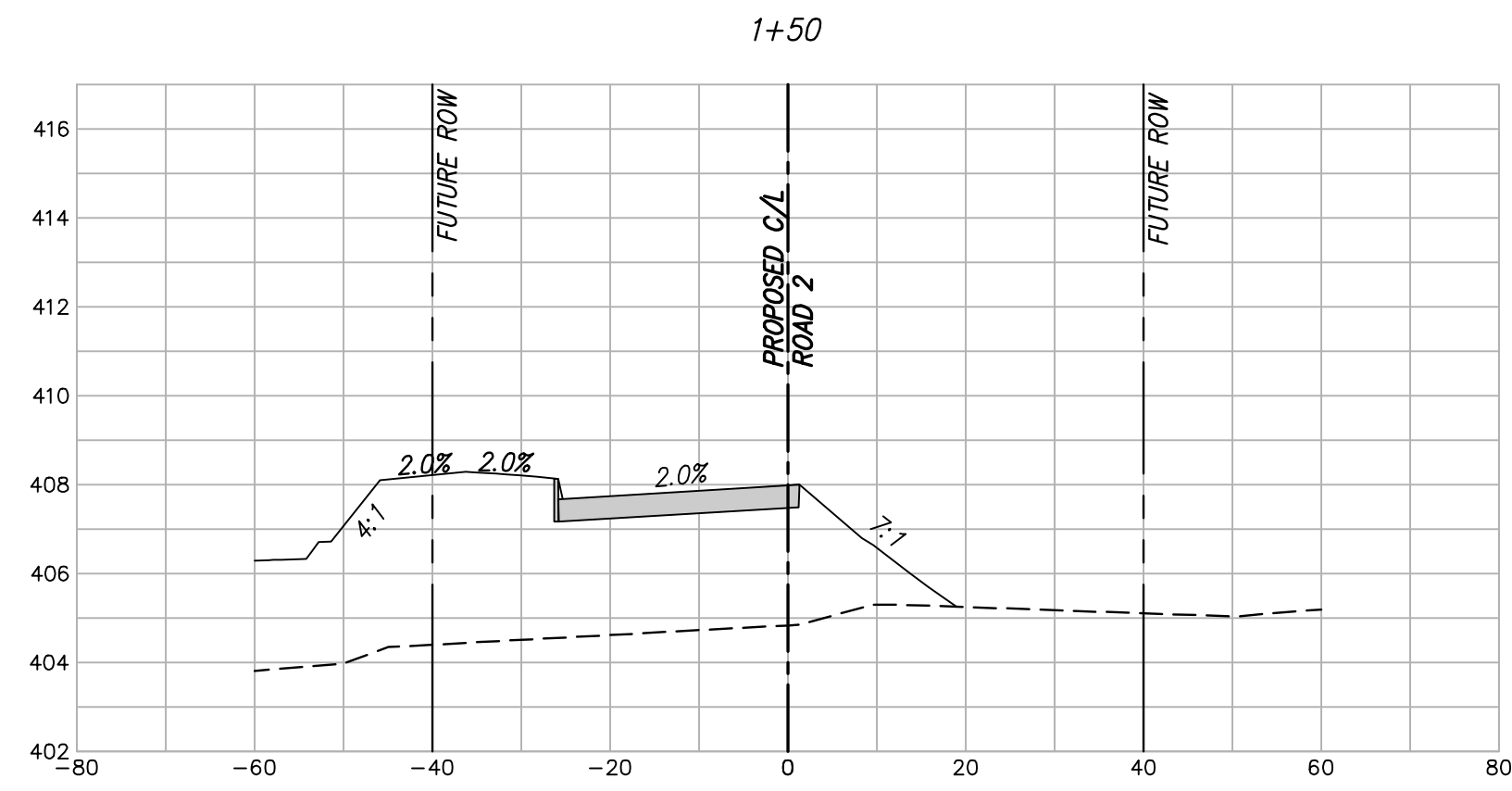
scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PAVING PLAN & PROFILE ROAD 2 STA
18+50 TO END

tnp project
KFM22494
 sheet
22
 of
38

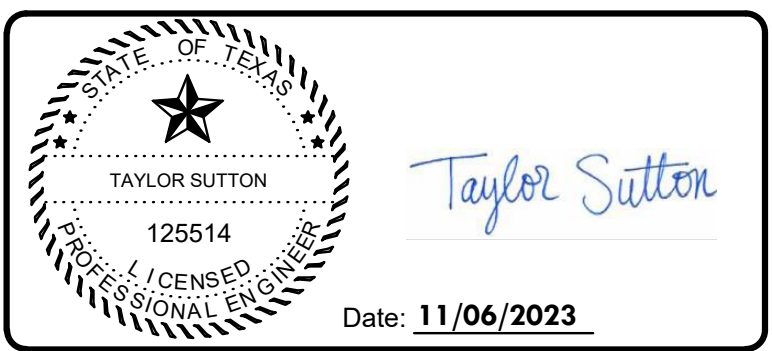
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no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

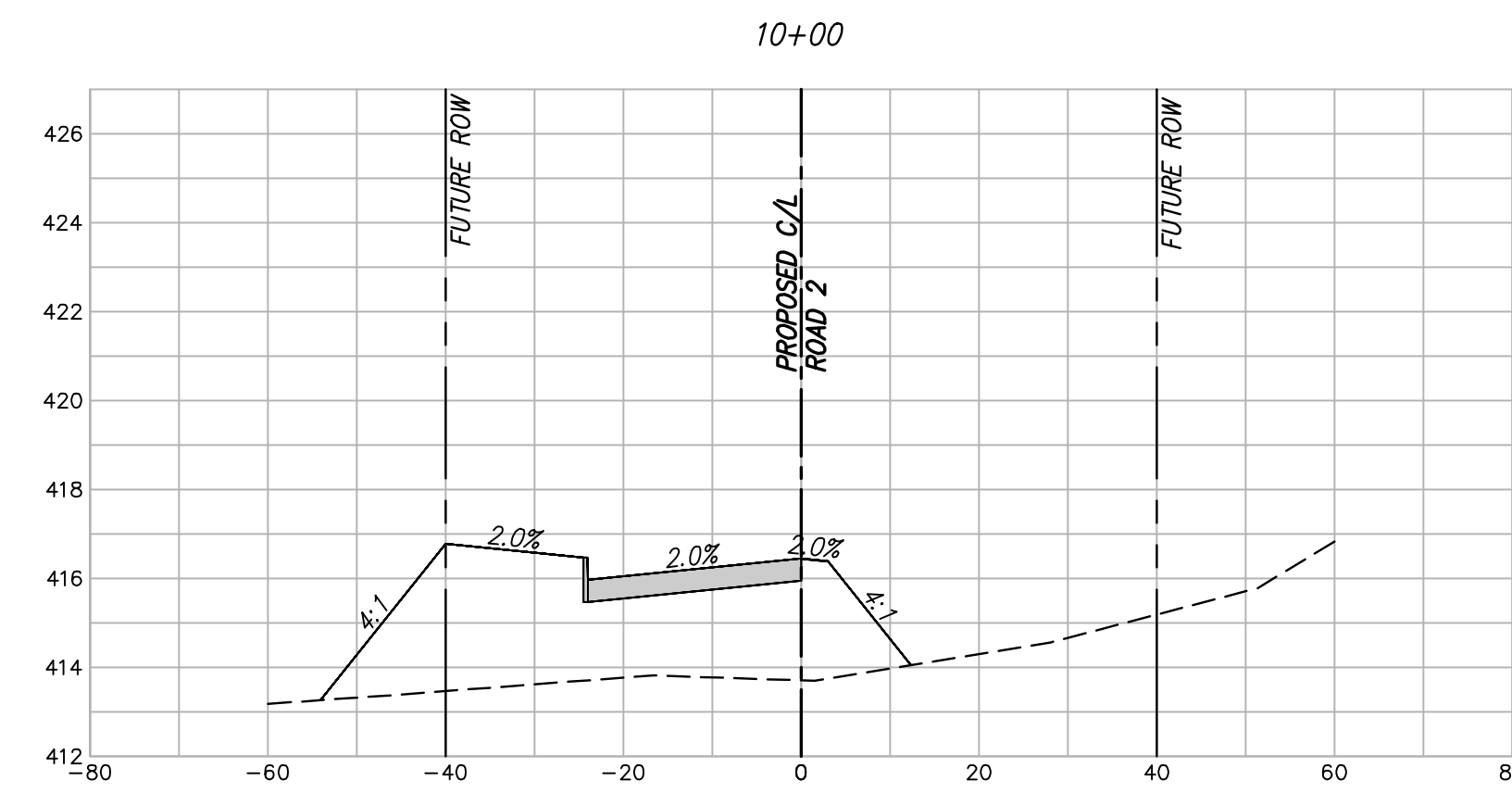
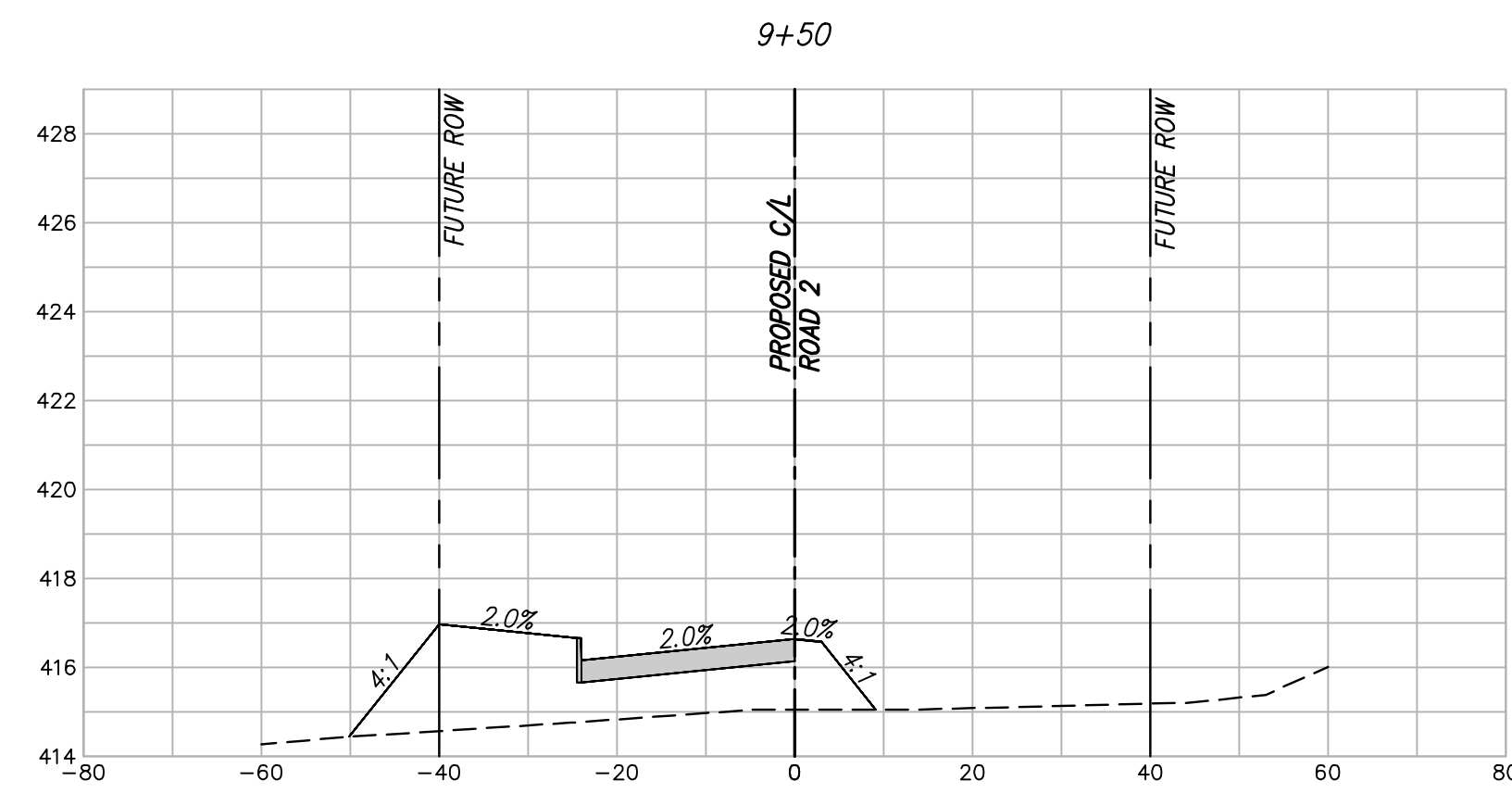
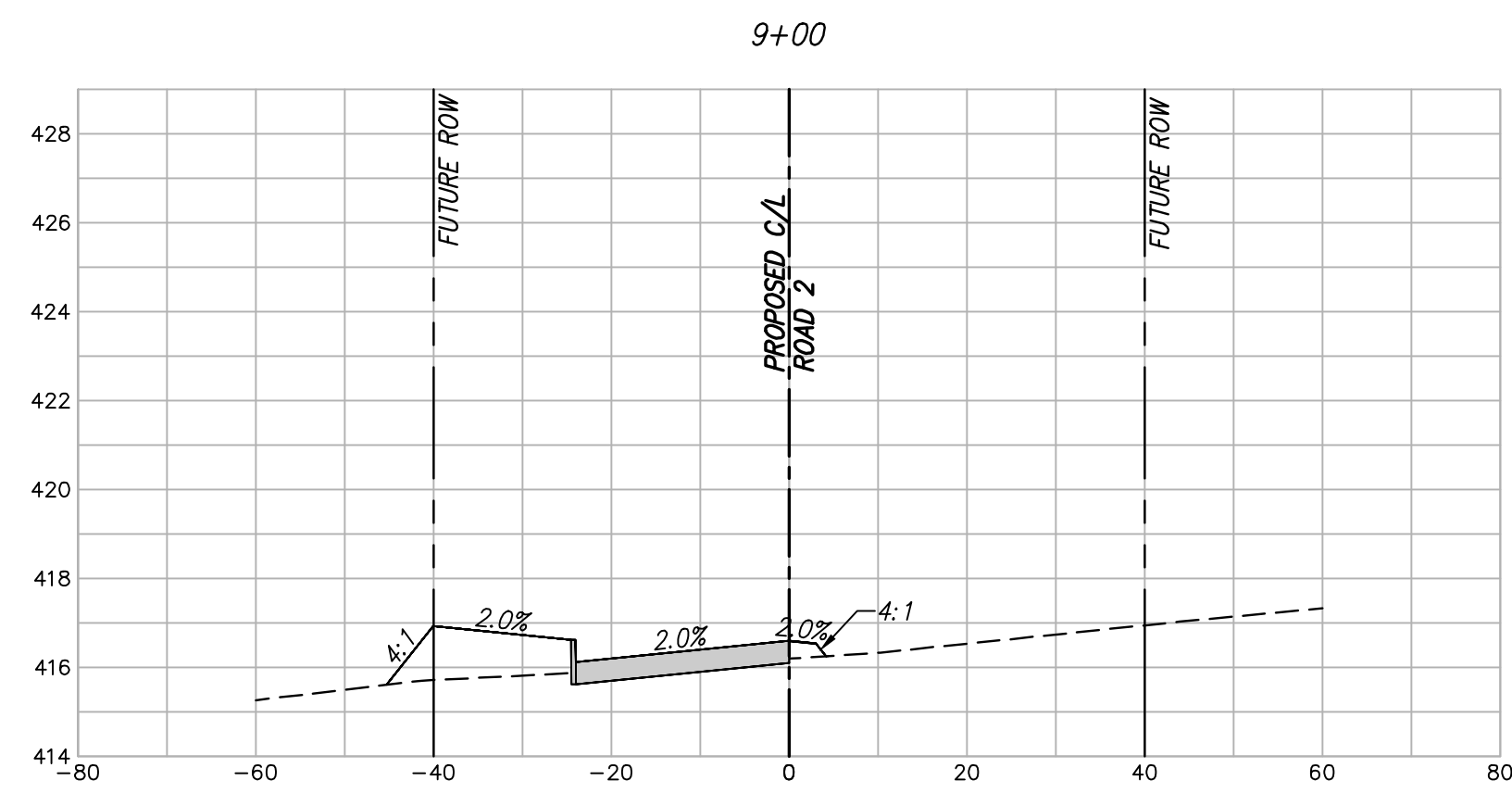
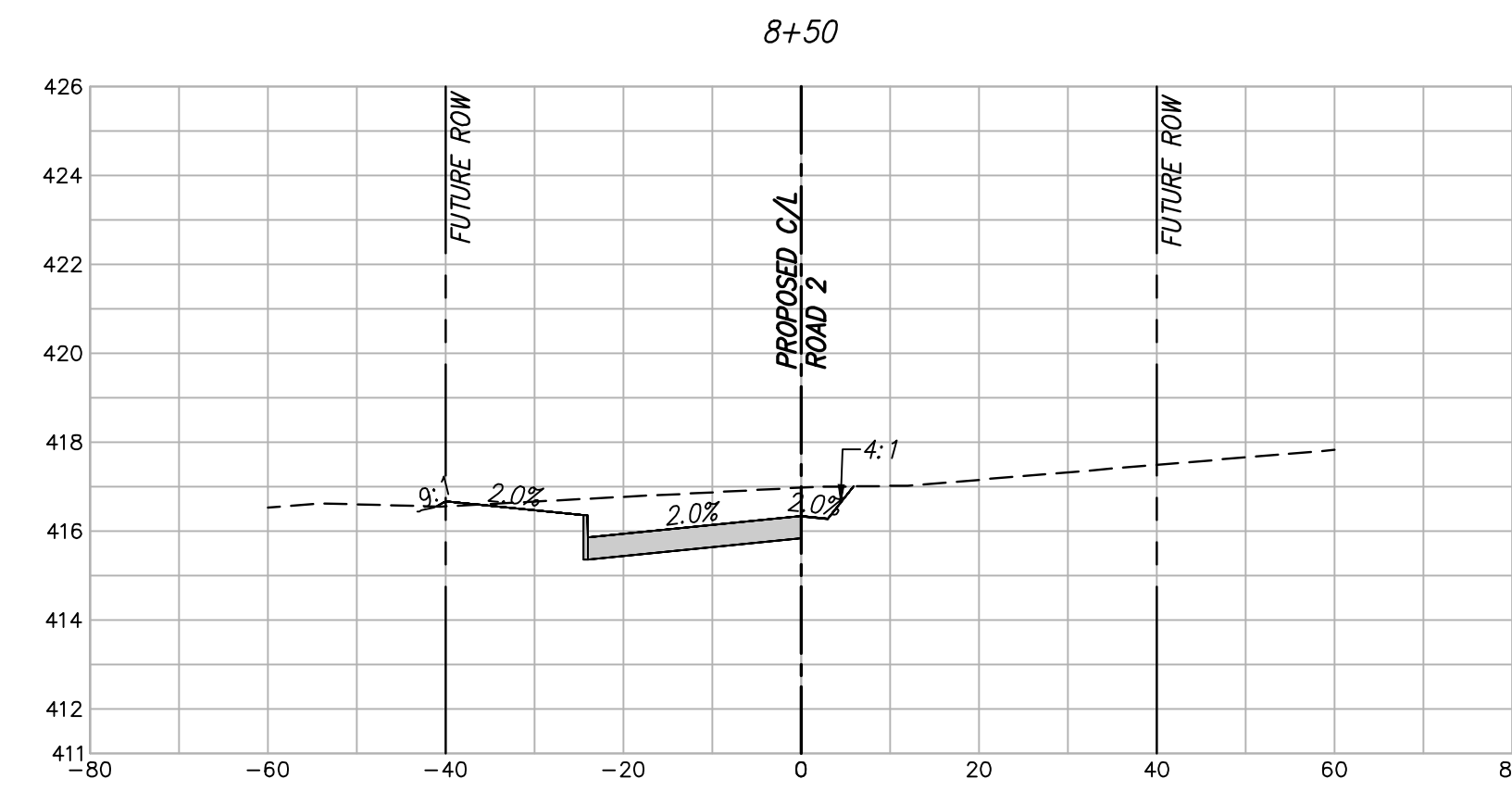
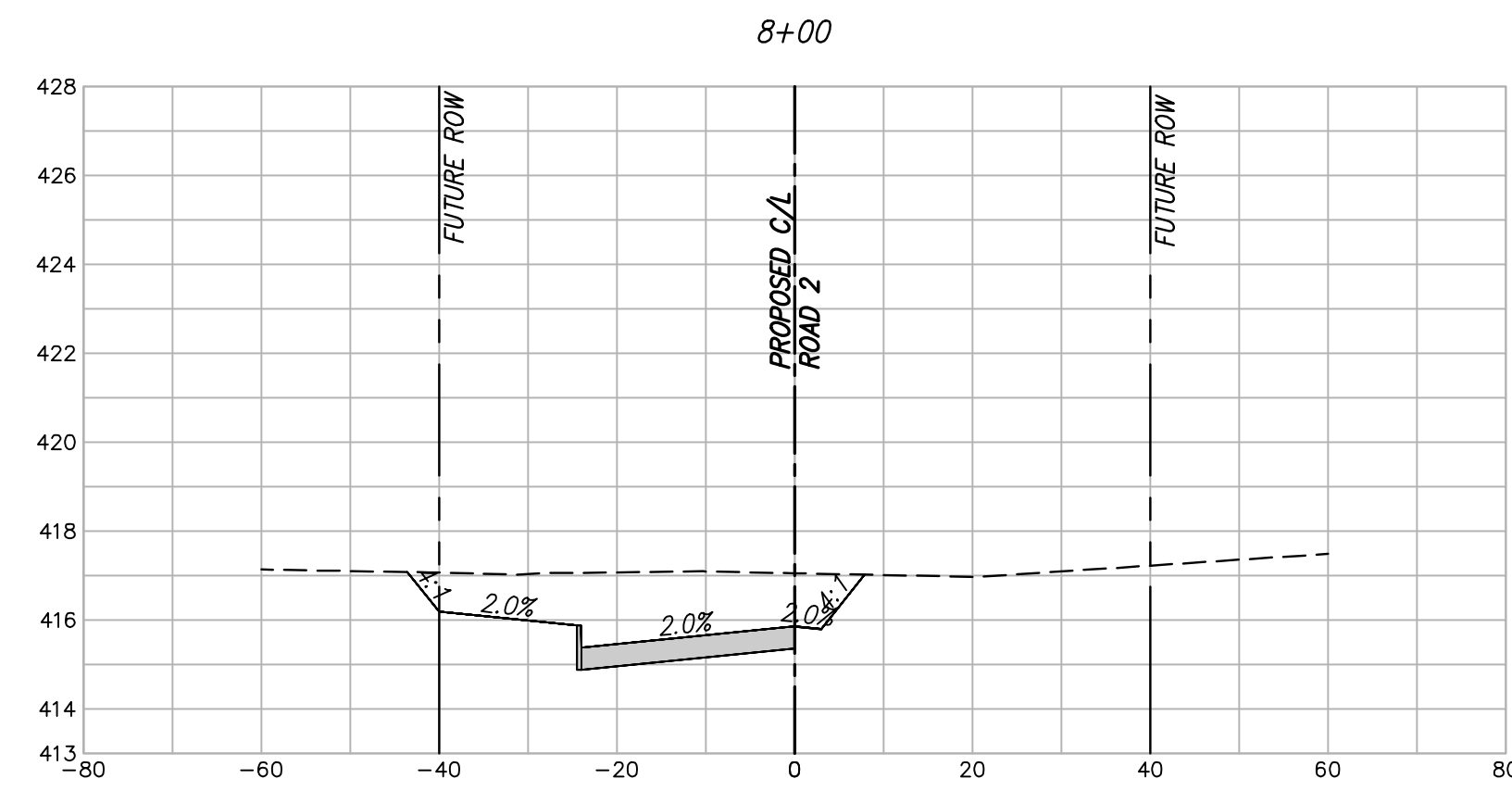
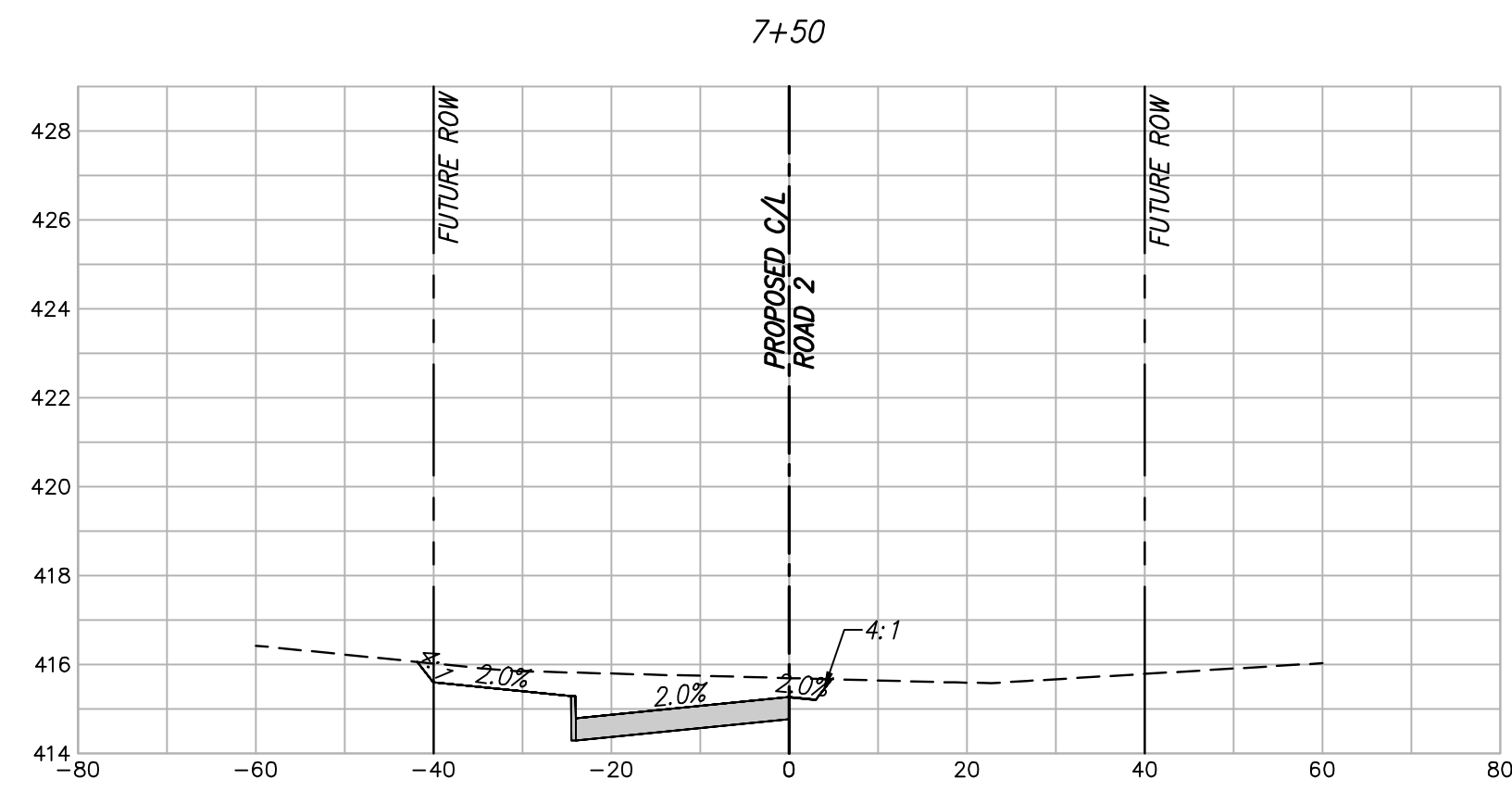
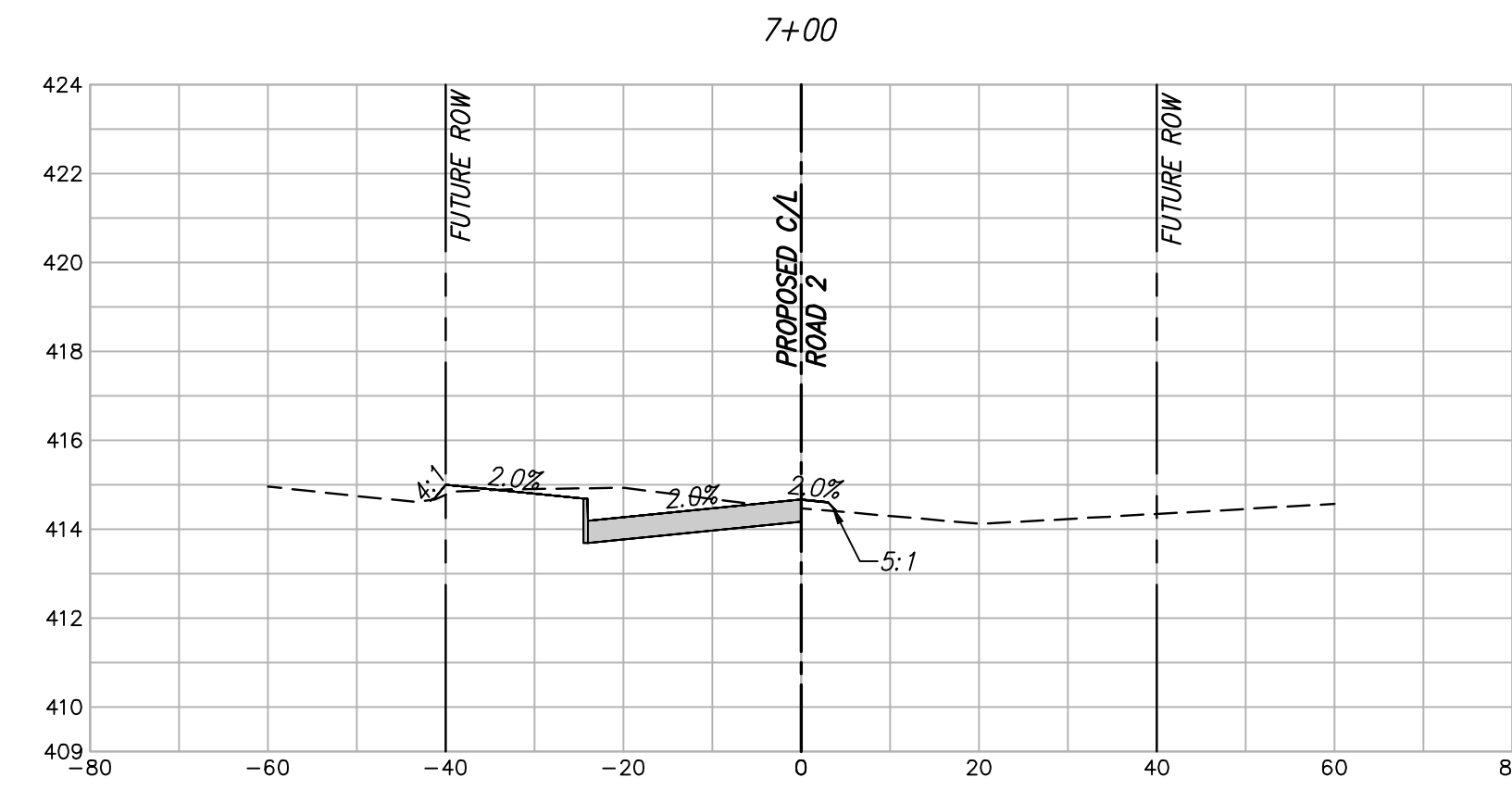
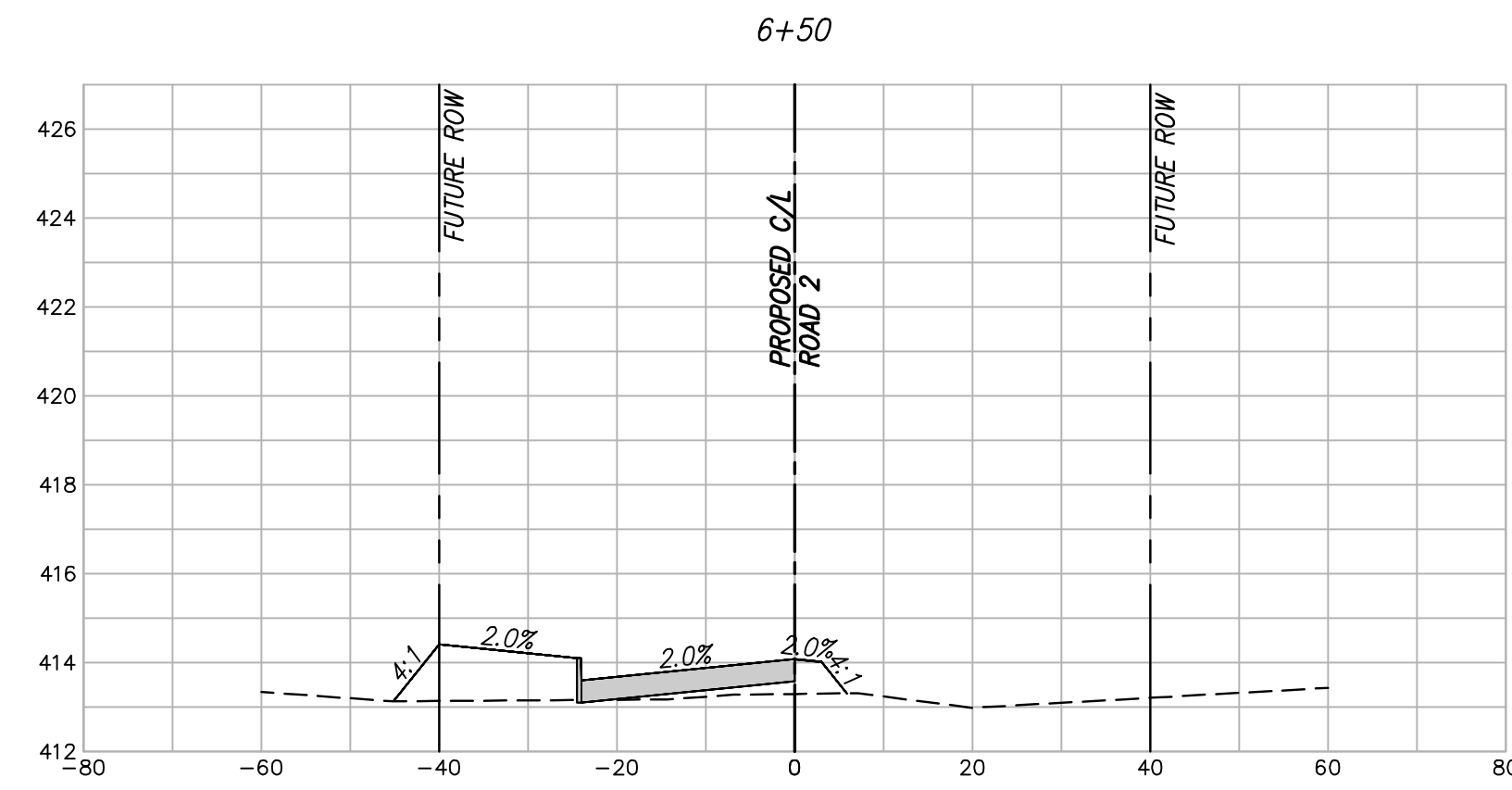
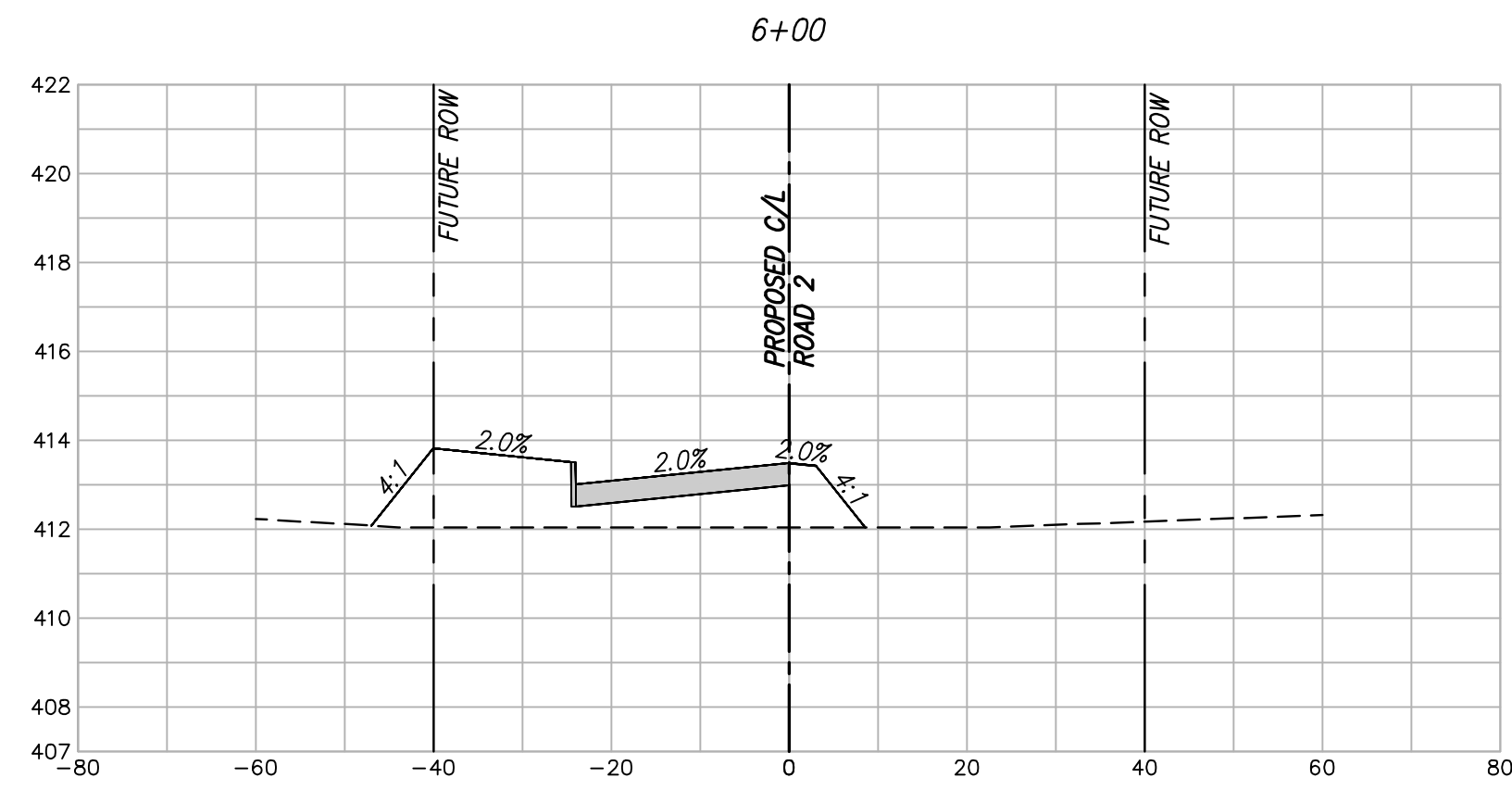


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 2
STA. 1+50 TO 5+50

tnp project
KFM22494
 sheet
23
 of
38

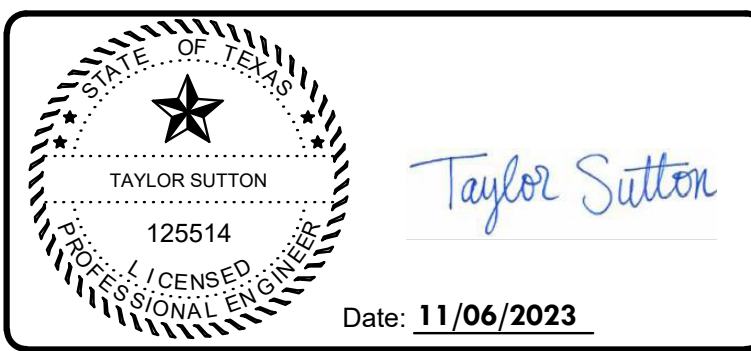


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no.	revision	by	date



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 Allen, Texas 75013
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 www.tnpsc.com
 TPELS: ENGR F-230; SURV 10011600, 10011601, 1019438
 GBPE: PEF007431; TBAE: BR 2673

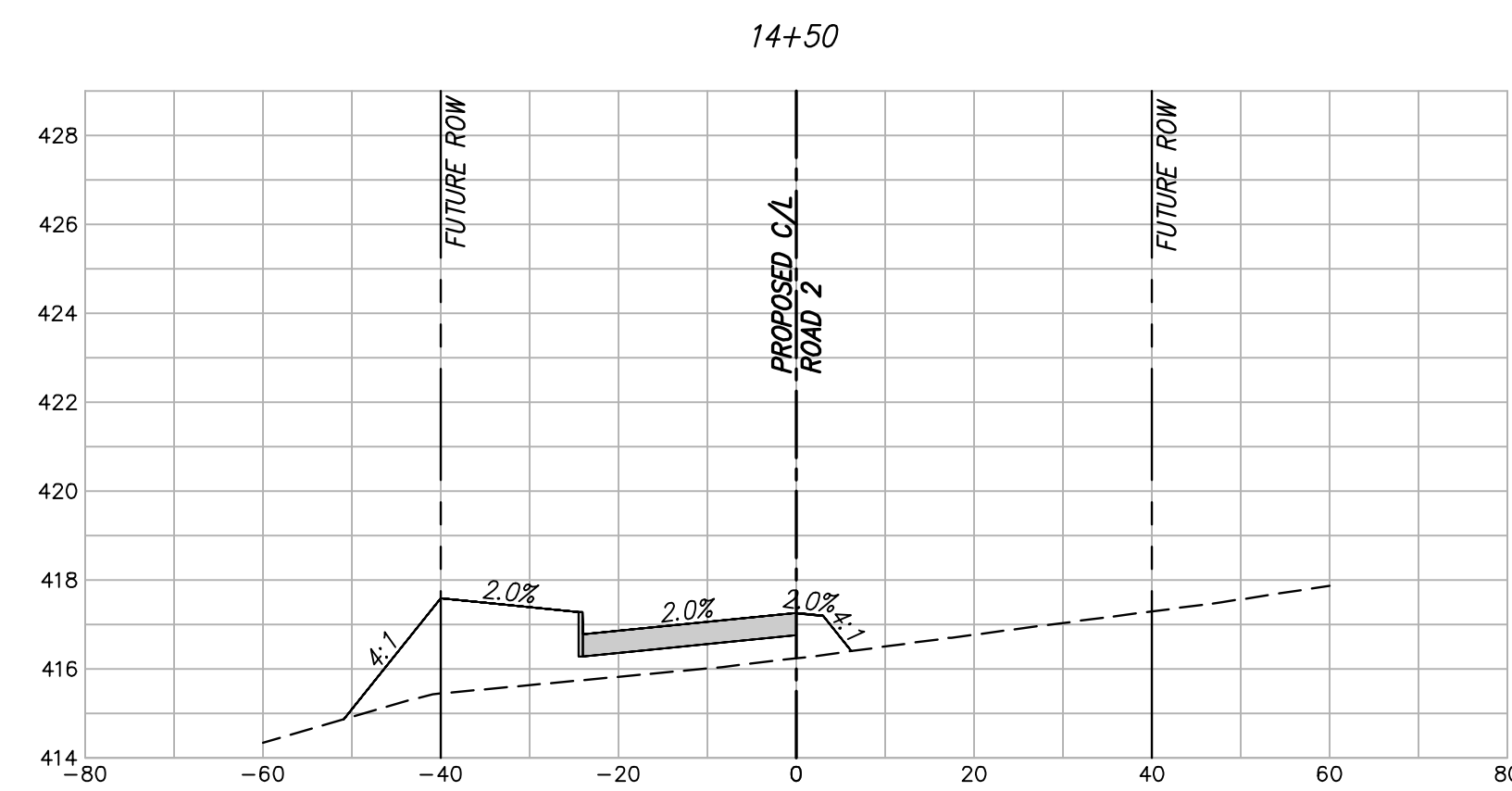
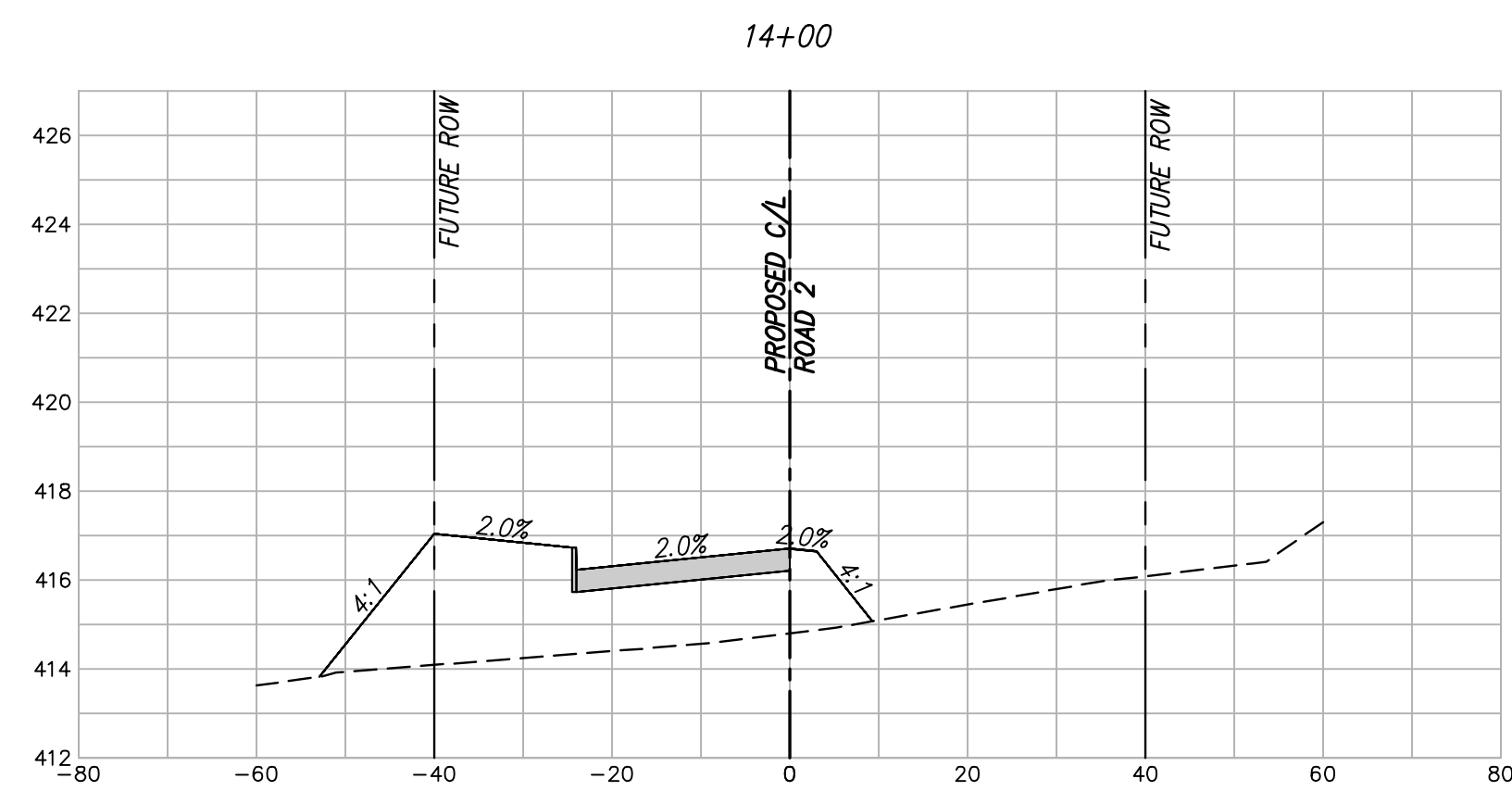
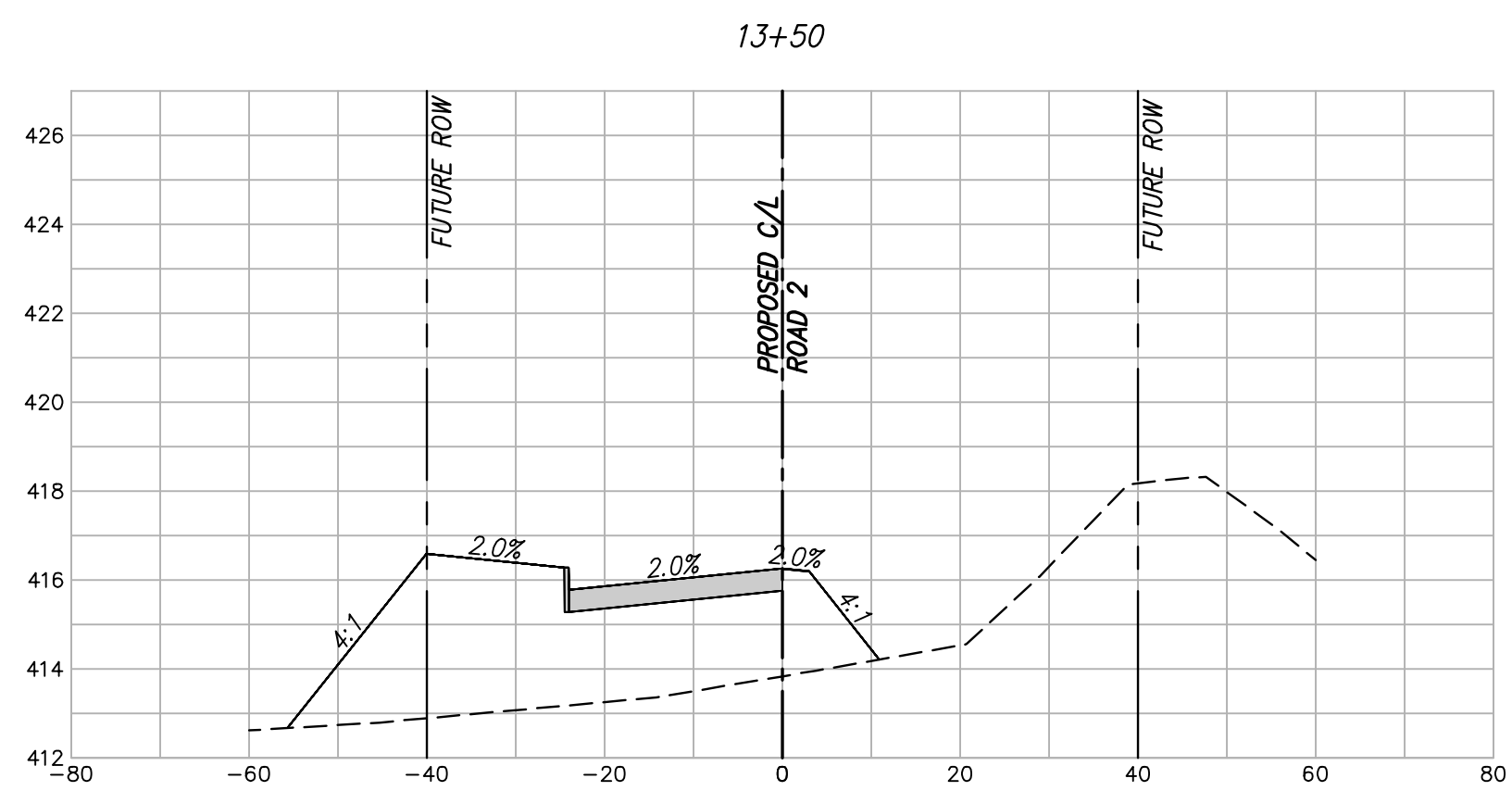
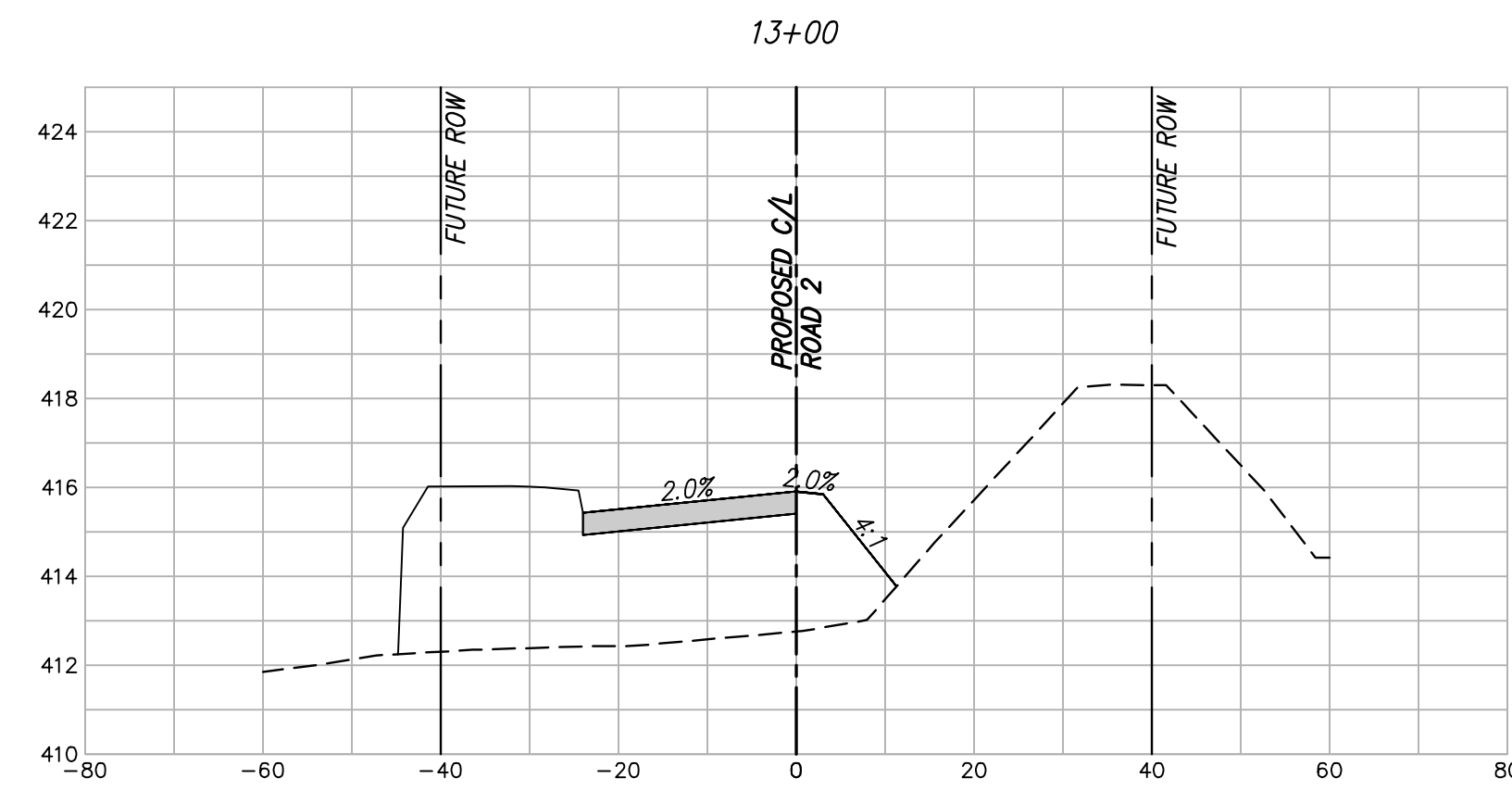
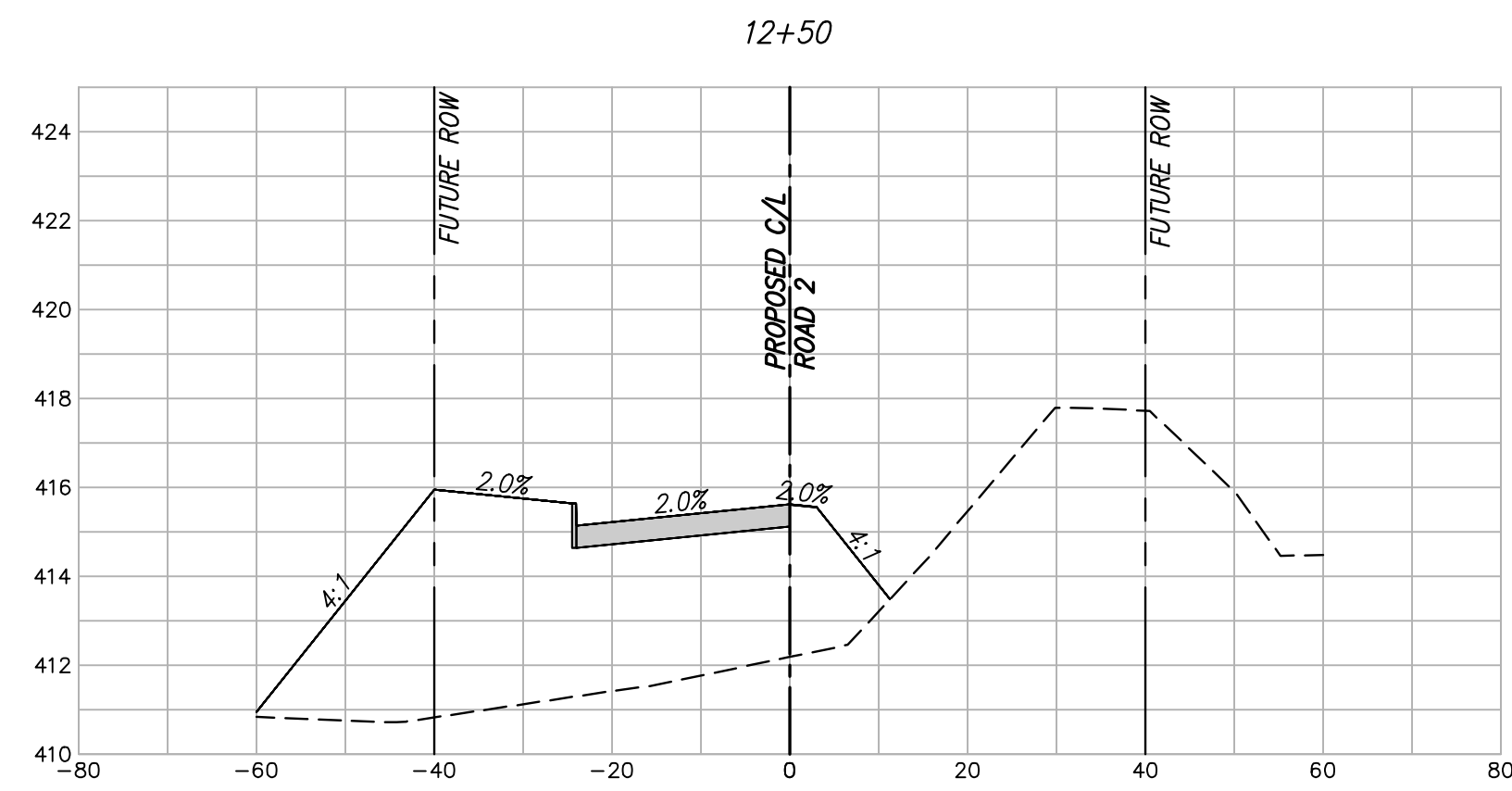
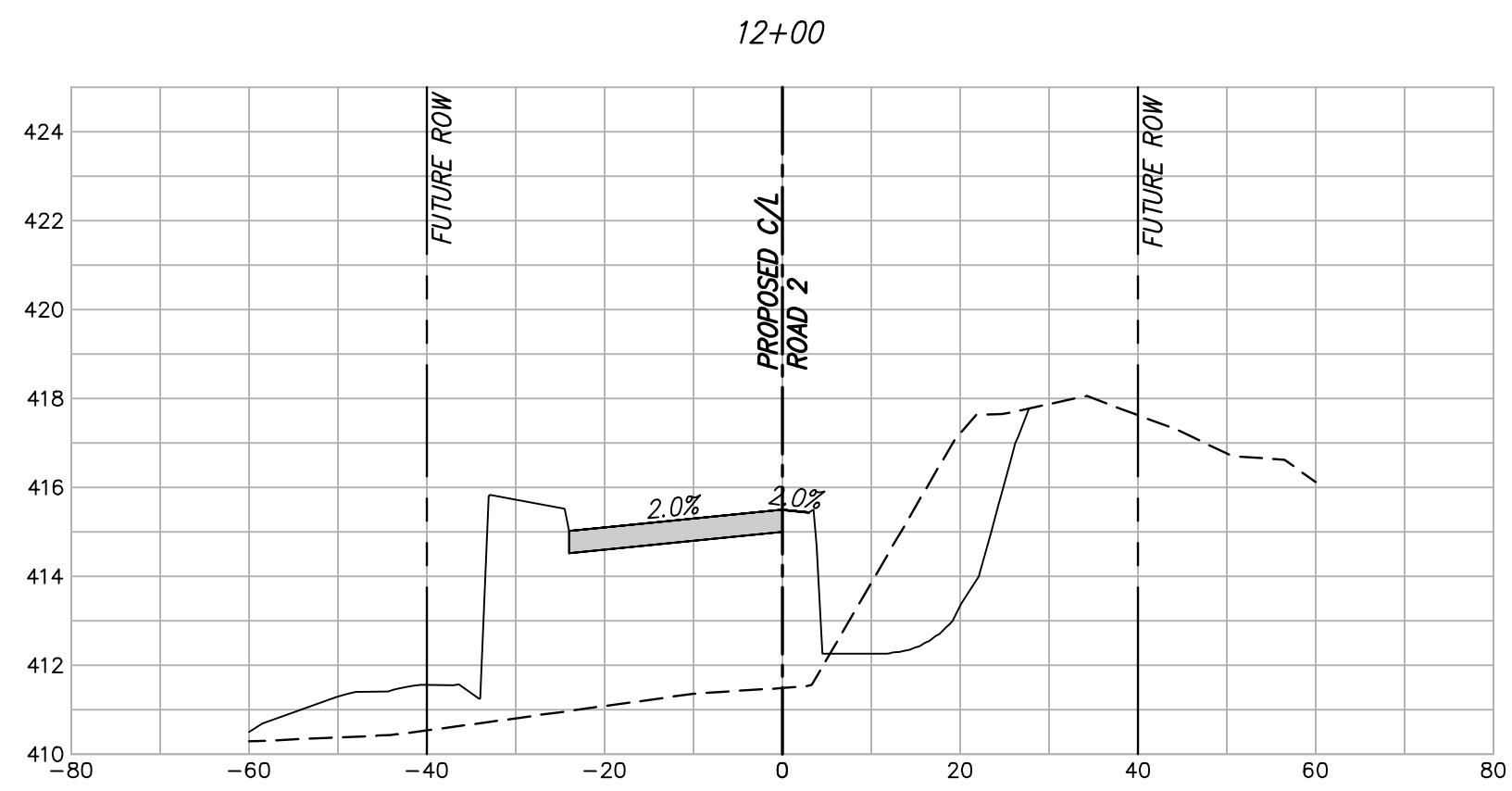
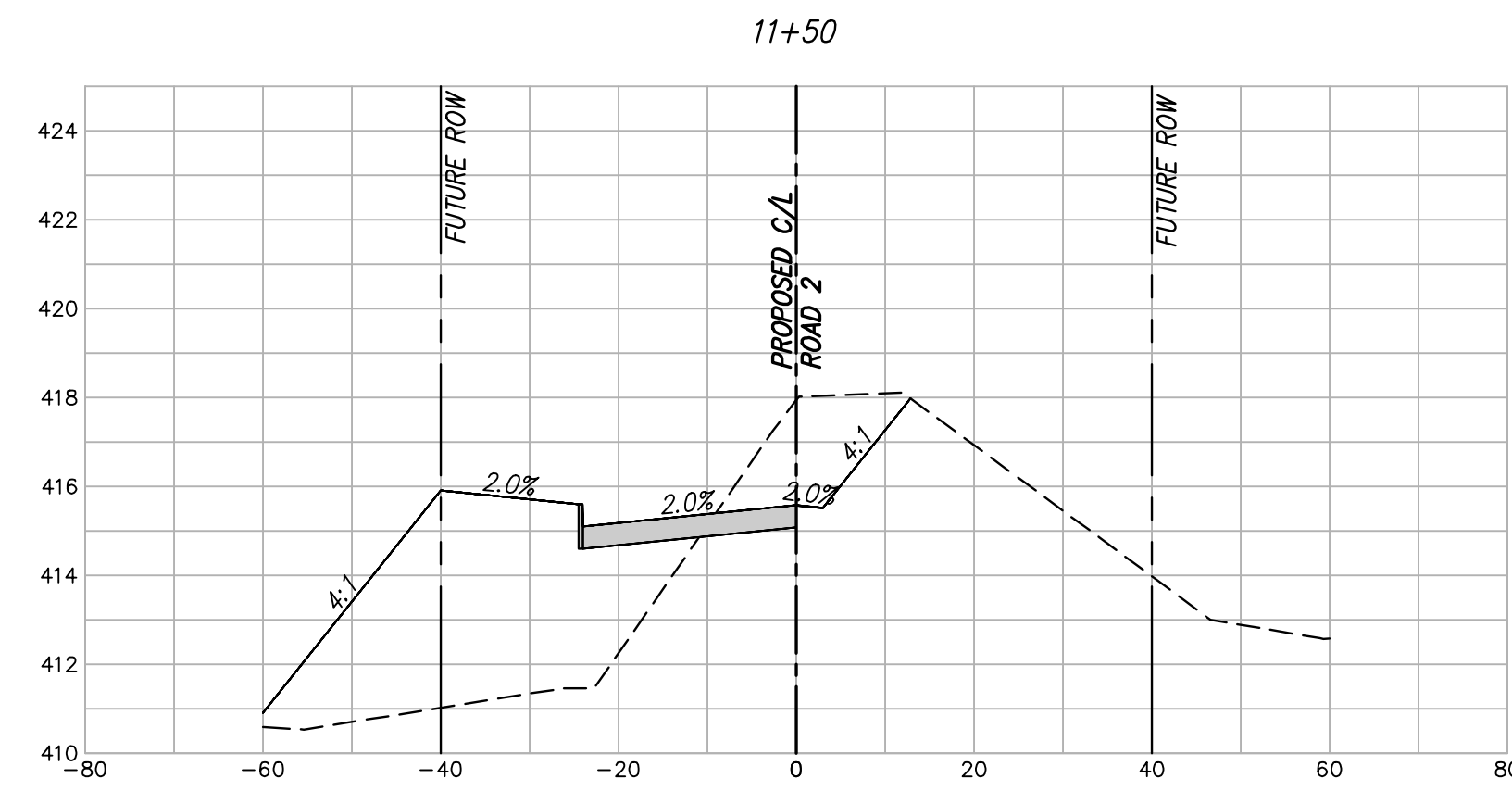
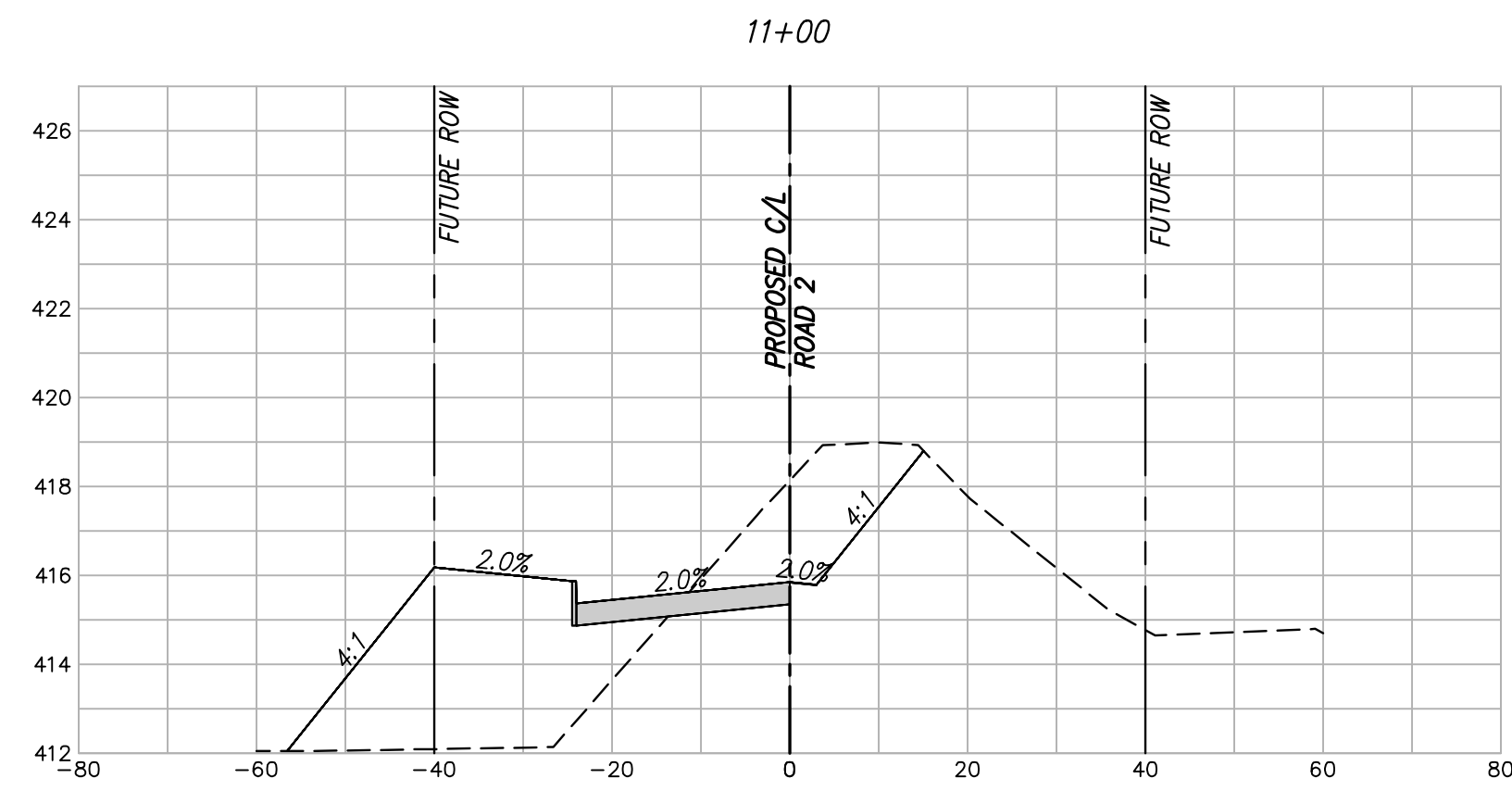
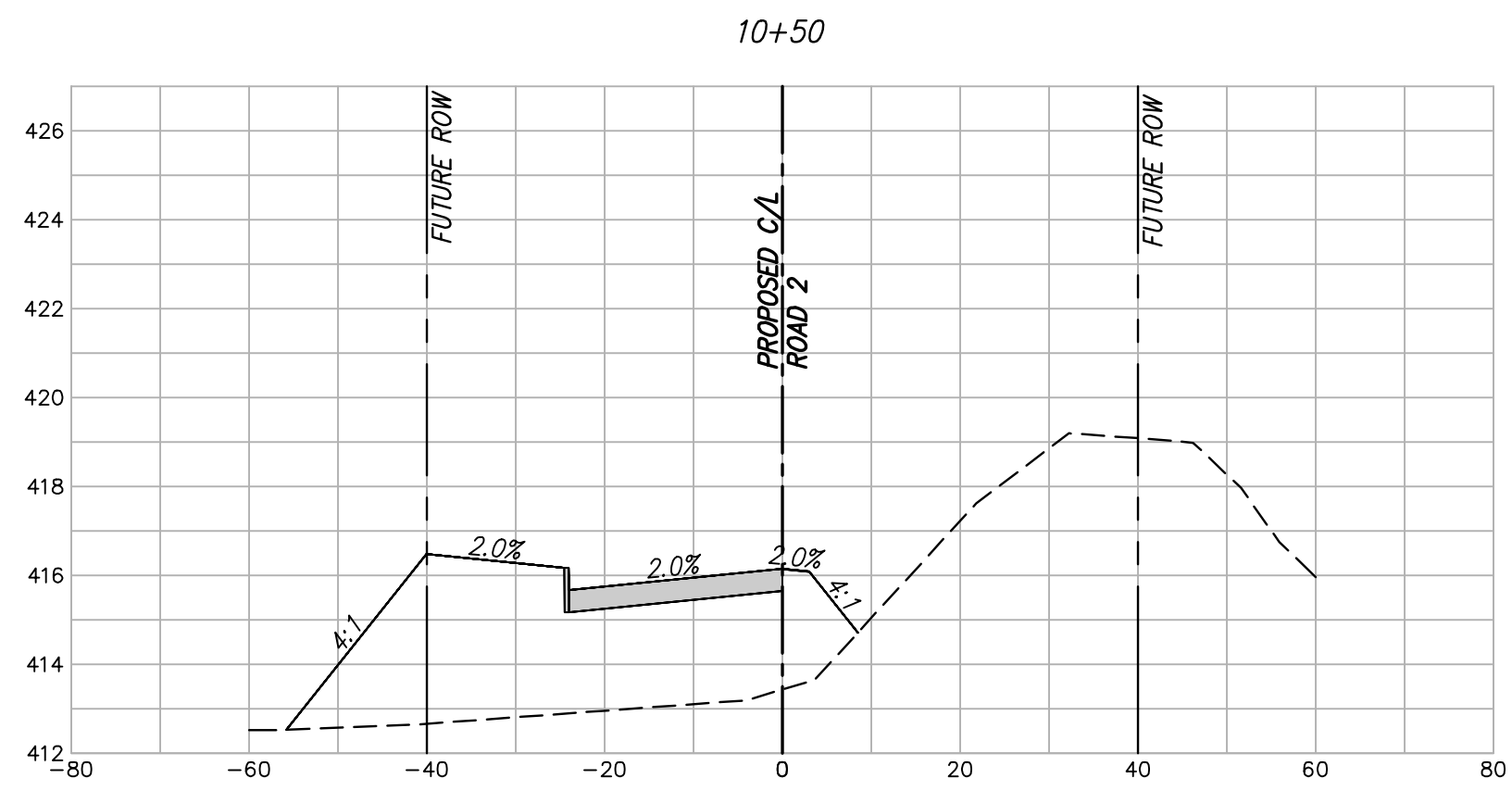


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 2
STA. 6+00 TO 10+00

tnp project
KFM22494
 sheet
24
 of
38

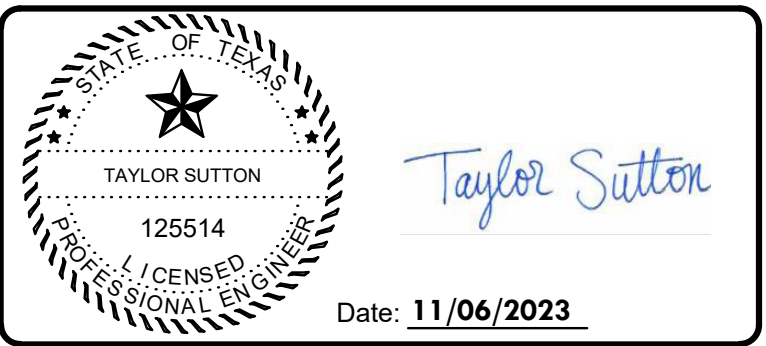


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no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

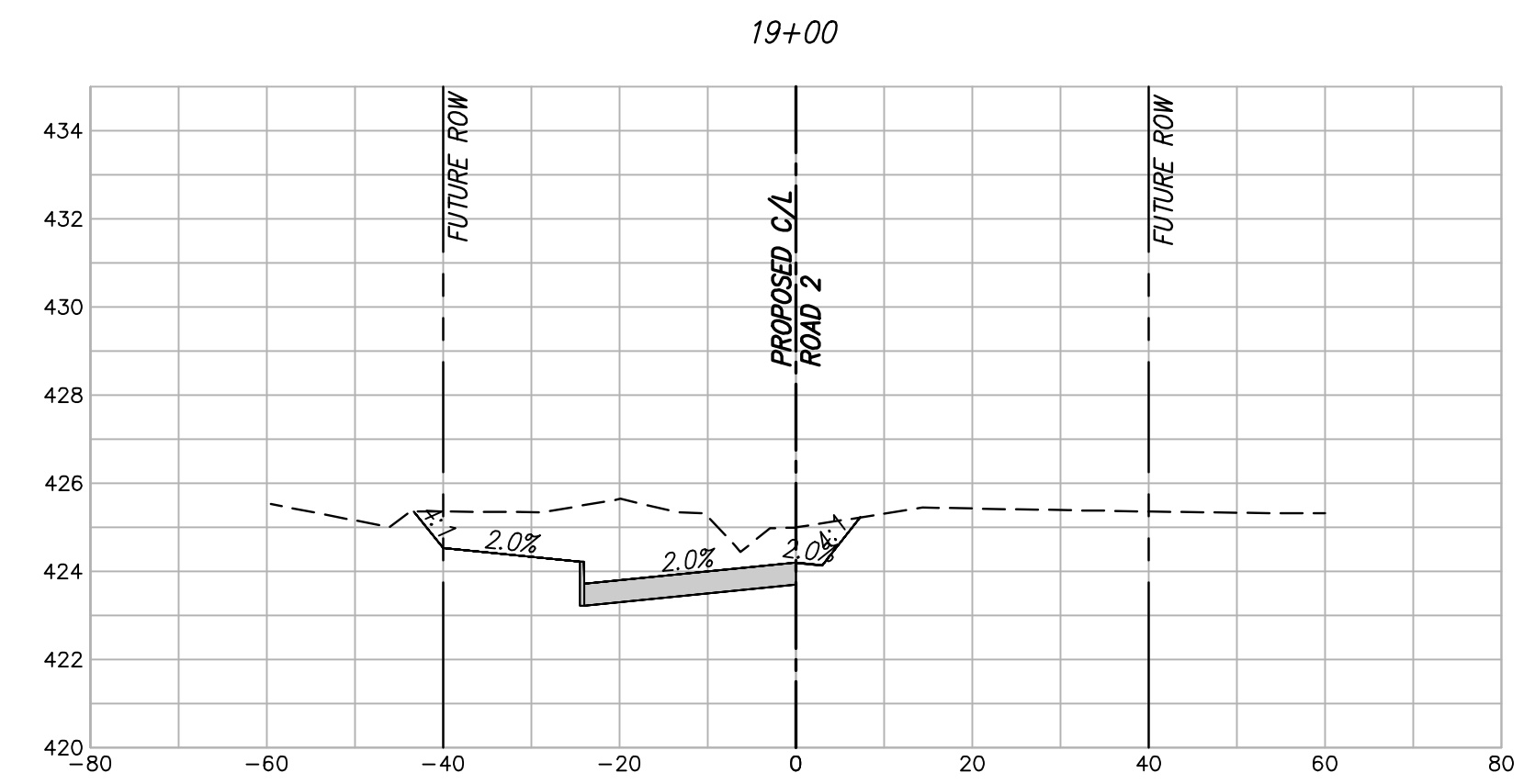
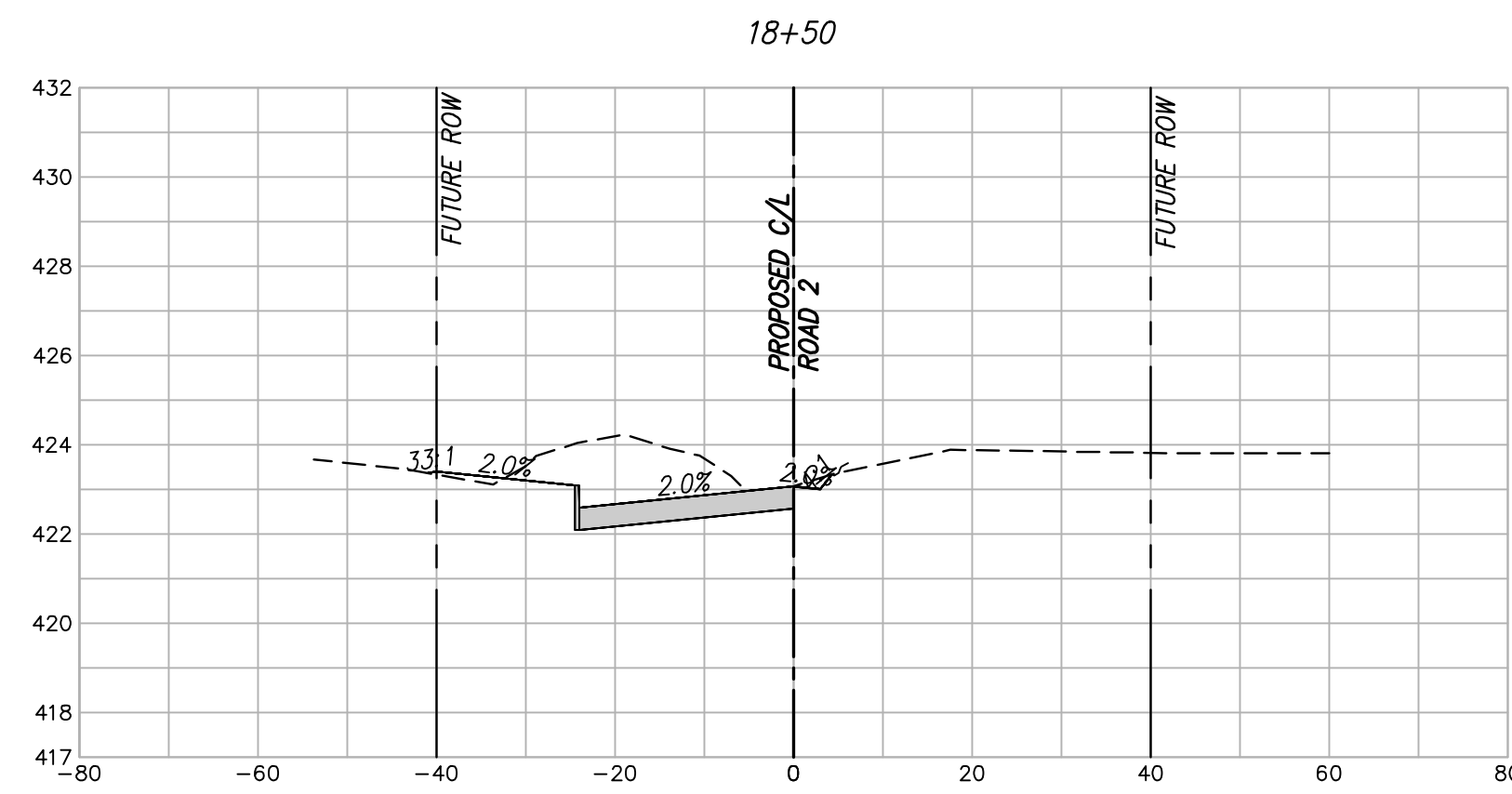
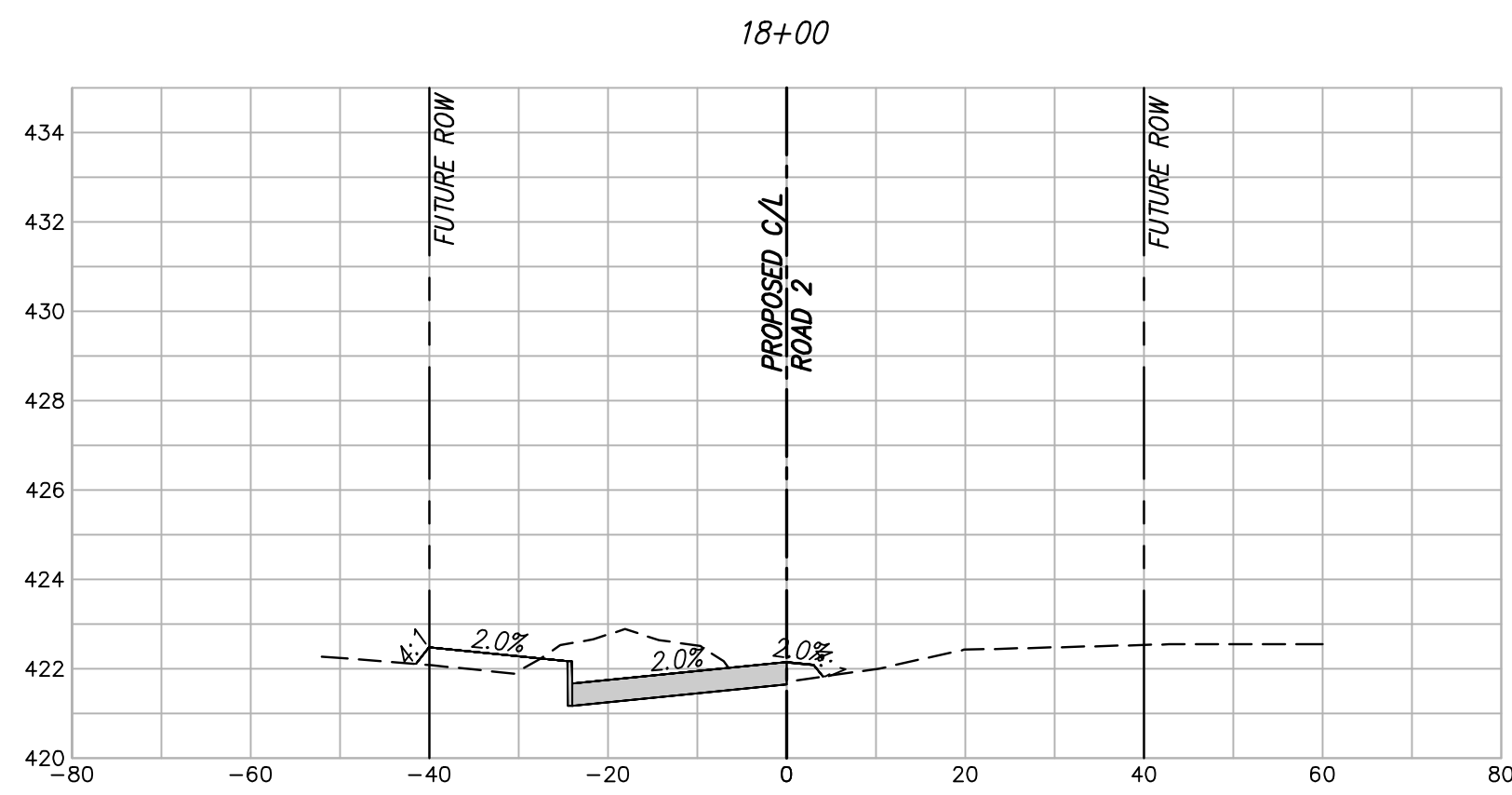
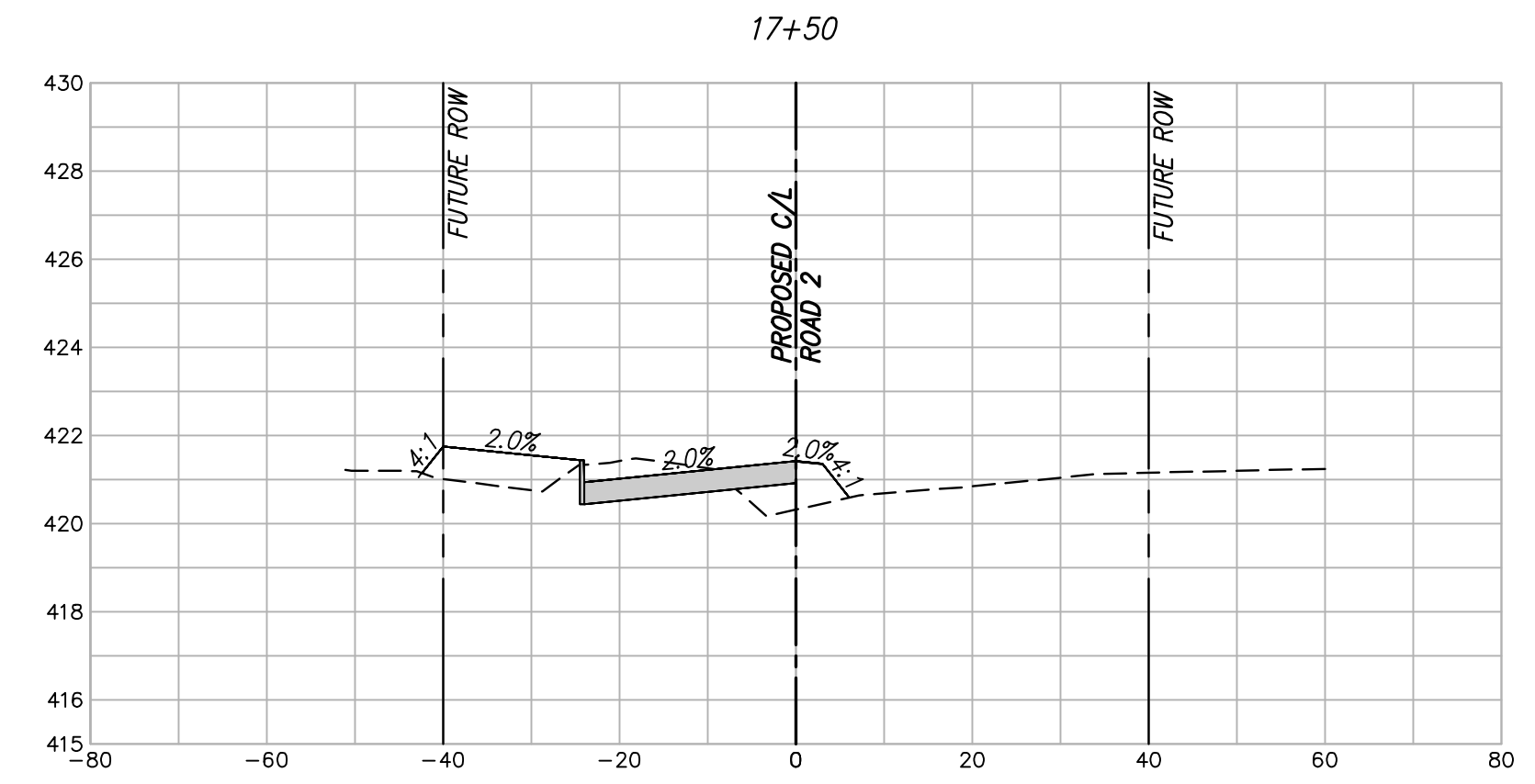
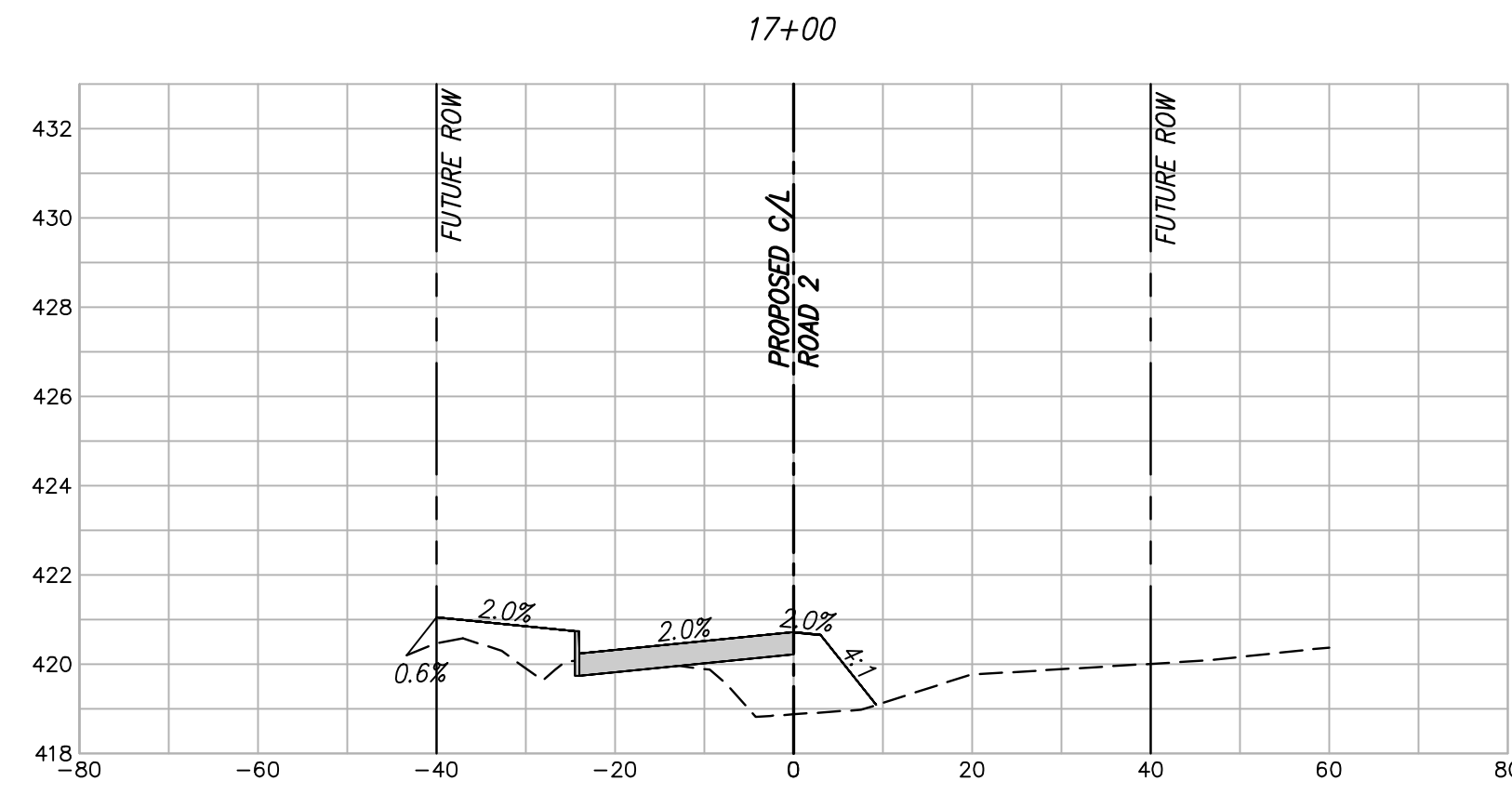
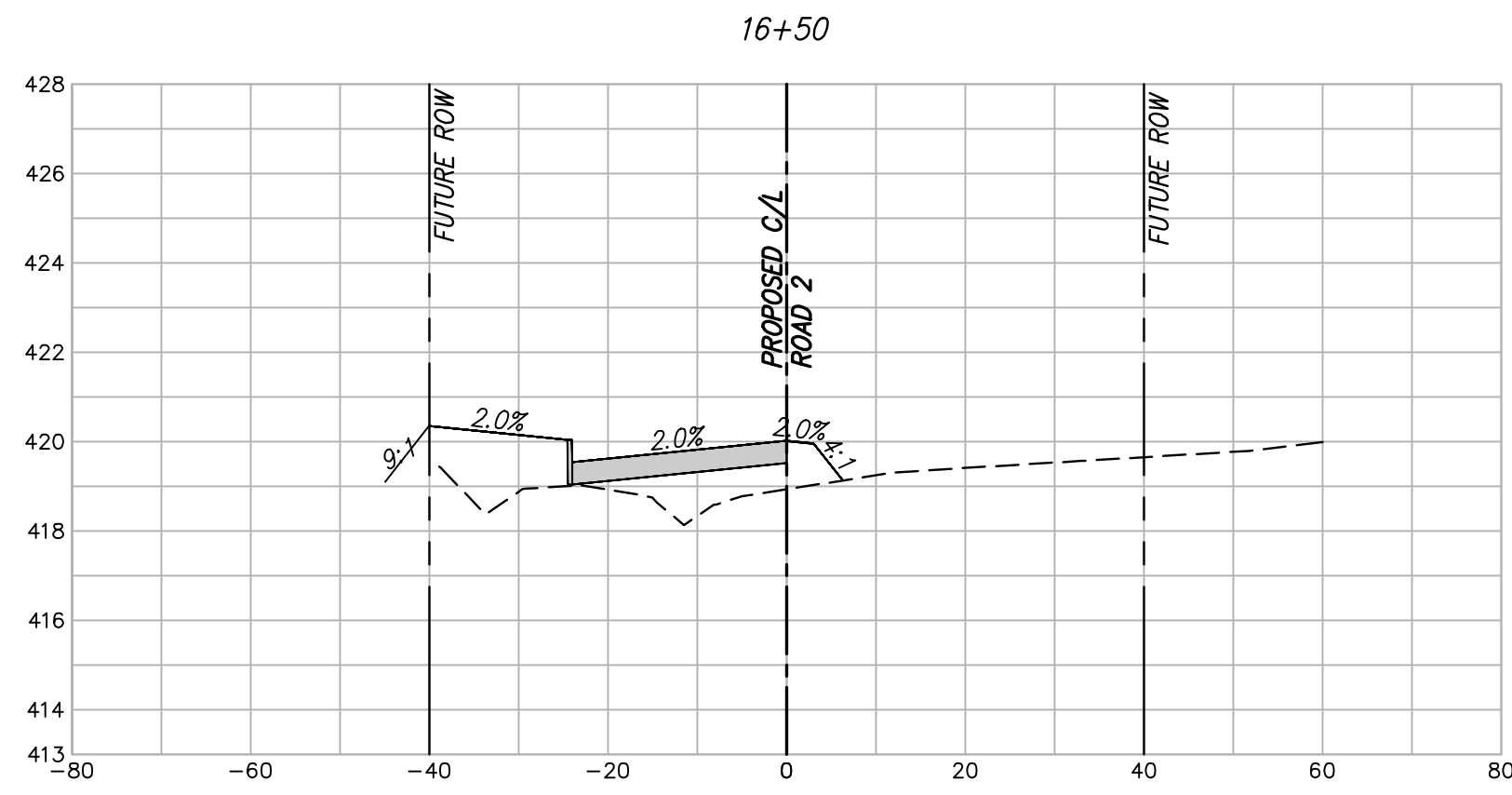
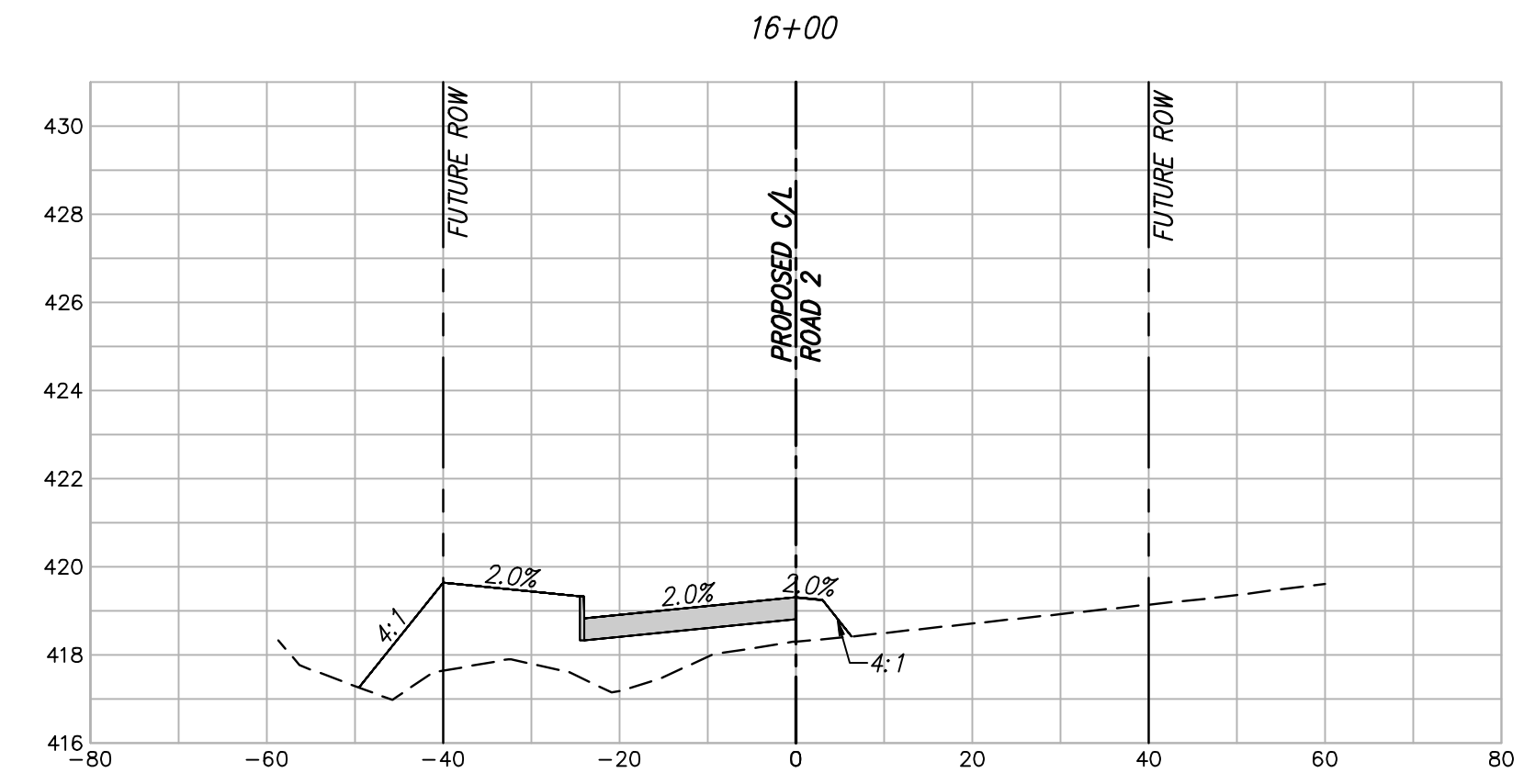
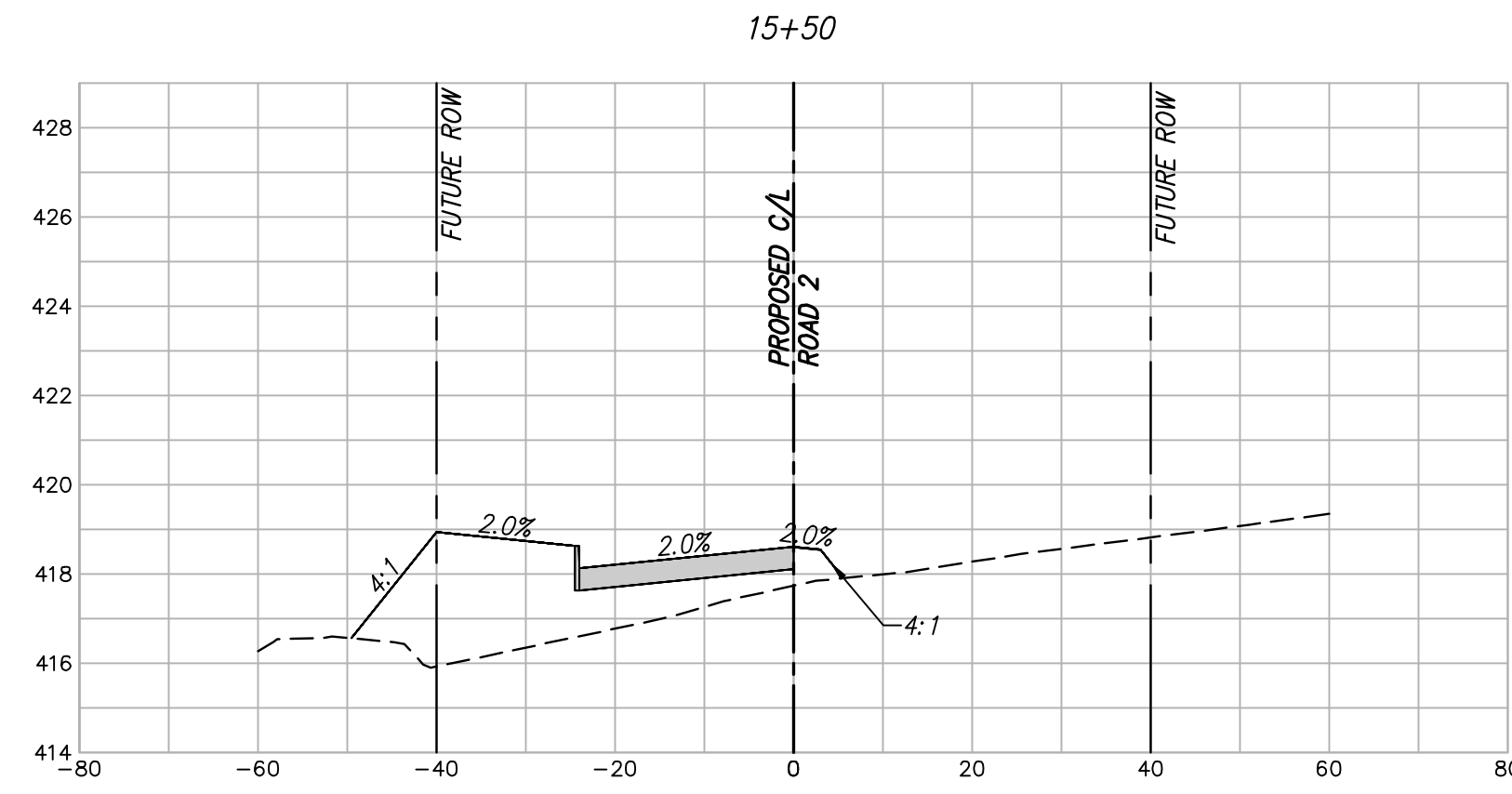
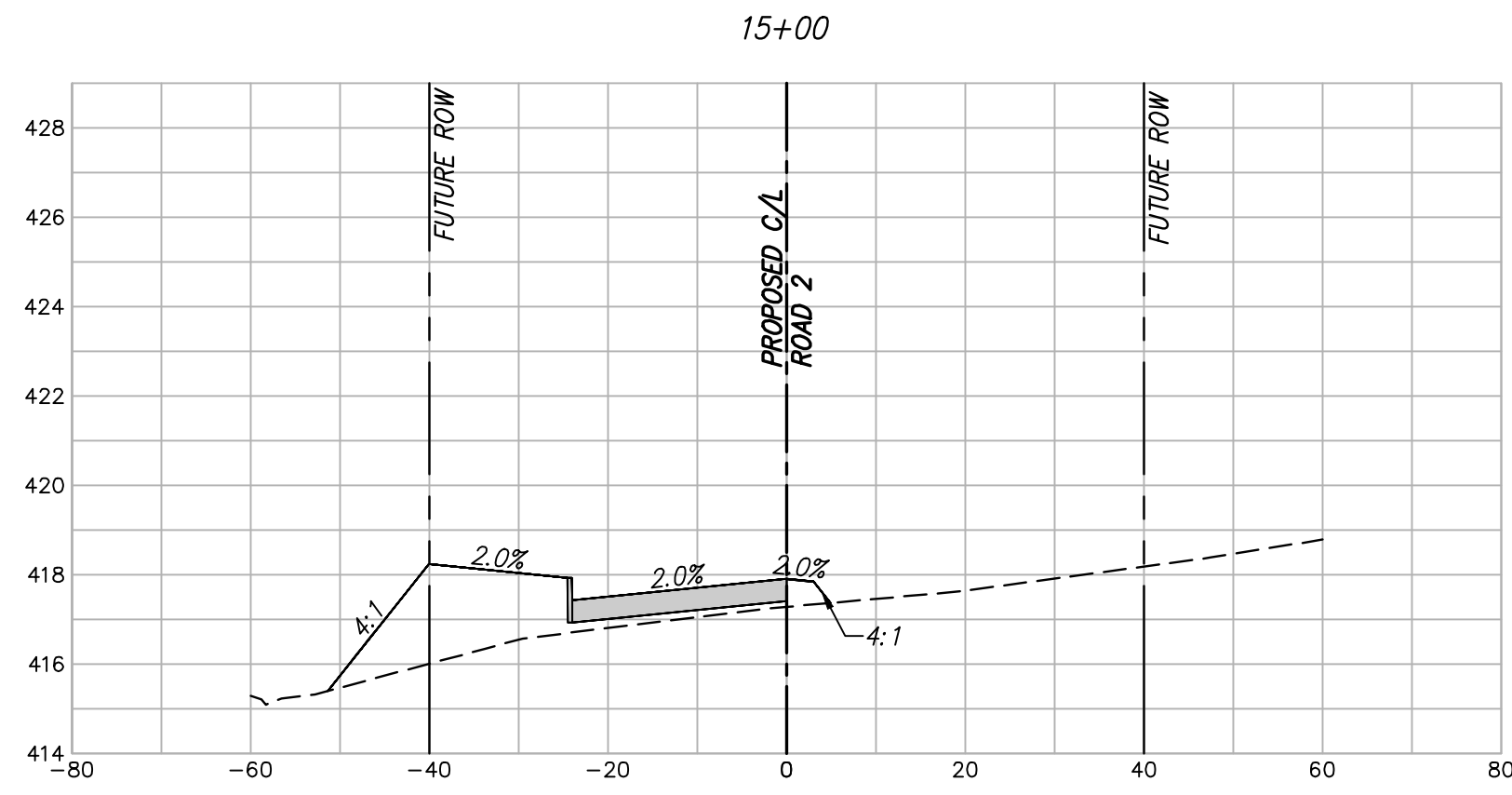


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 2
STA. 10+50 TO 14+50

tnp project
KFM22494
 sheet
25
 of
38

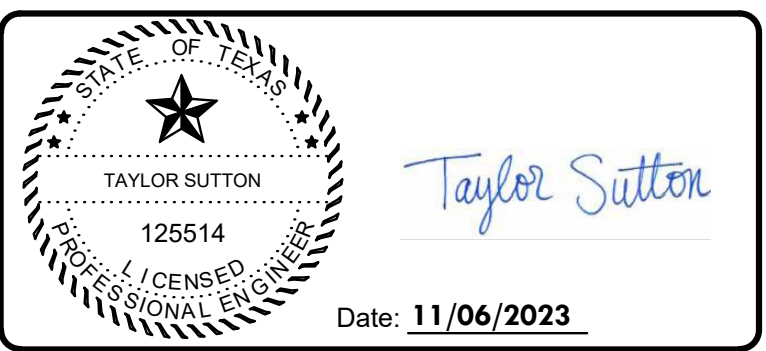


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no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

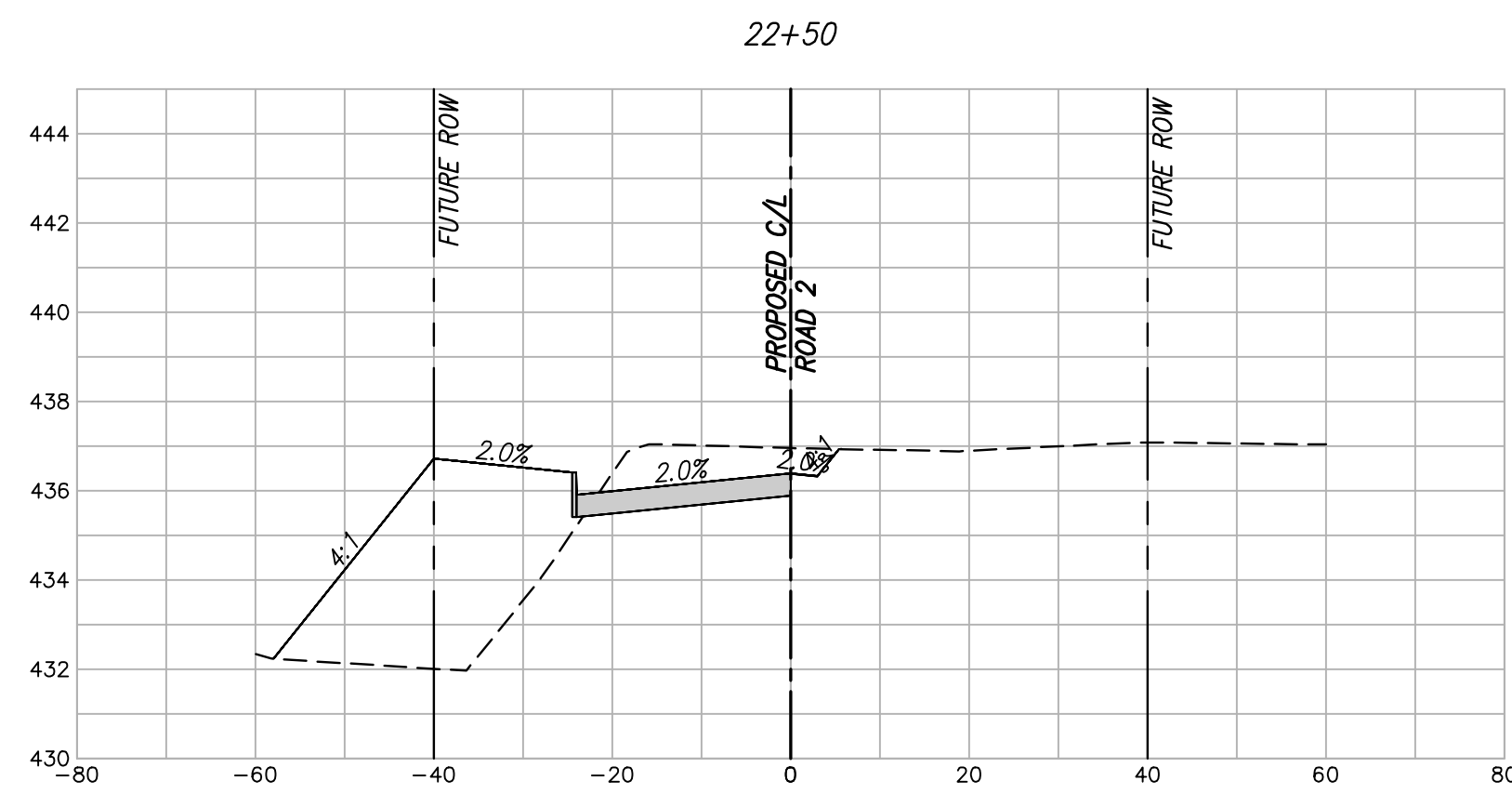
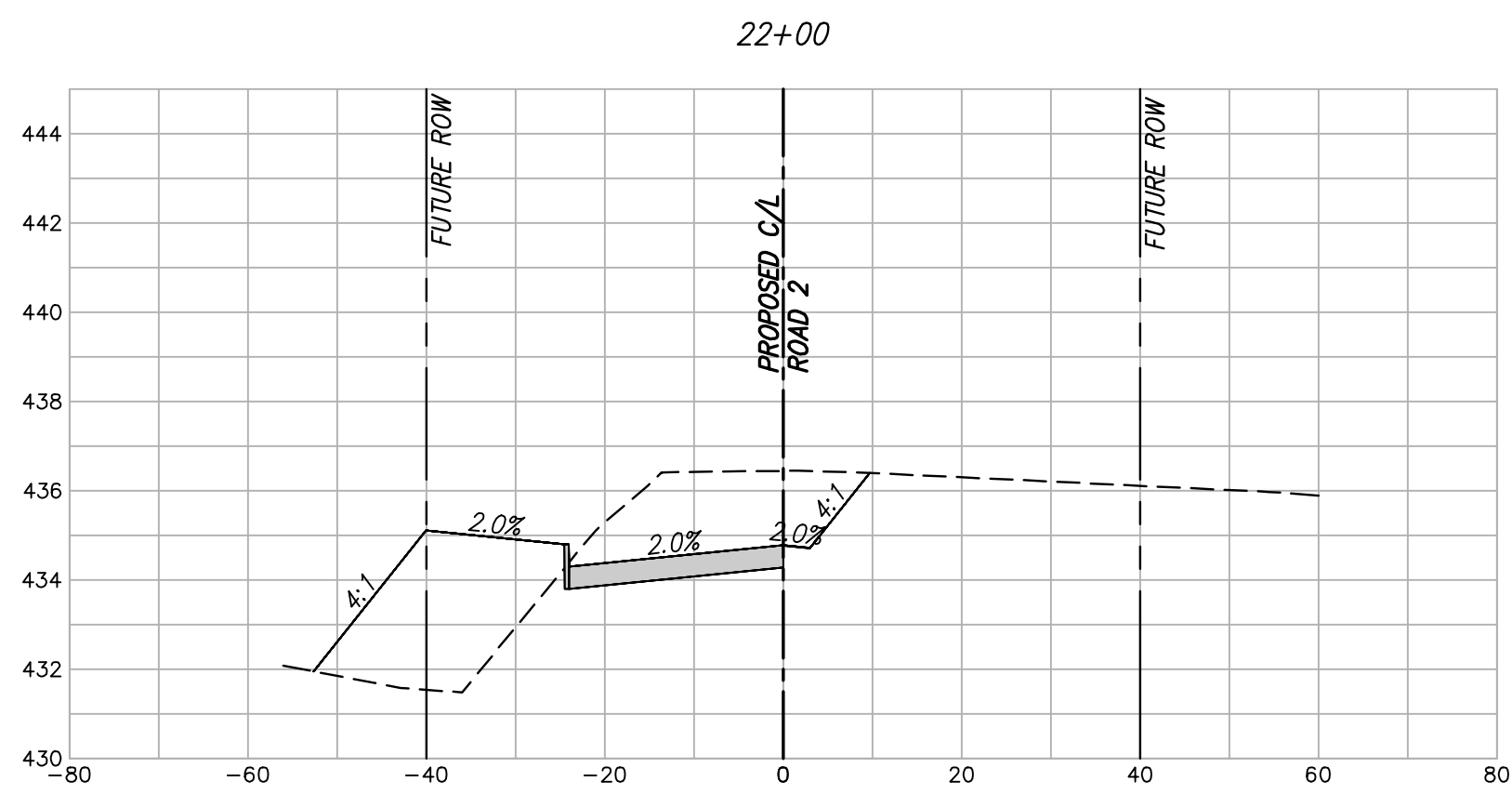
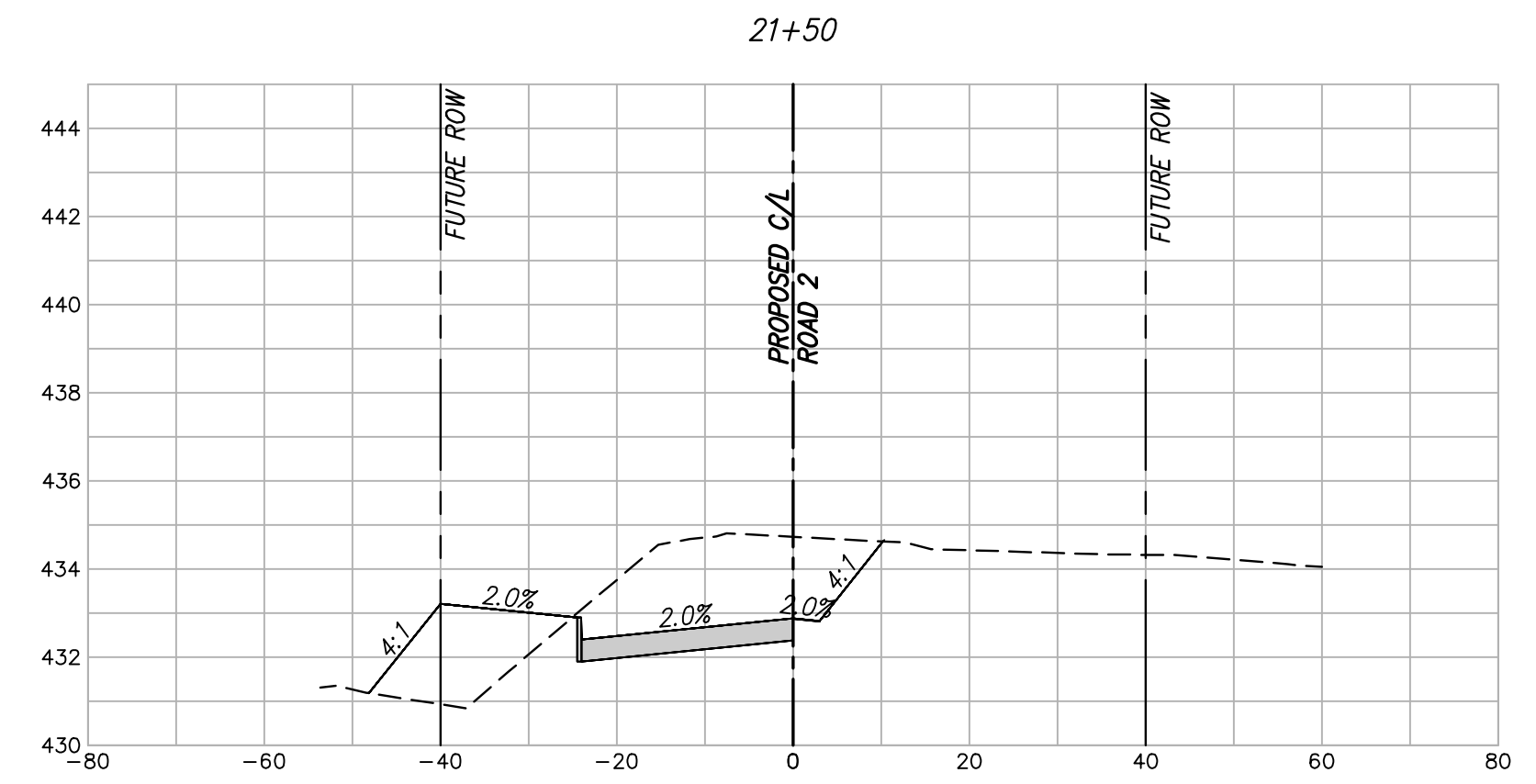
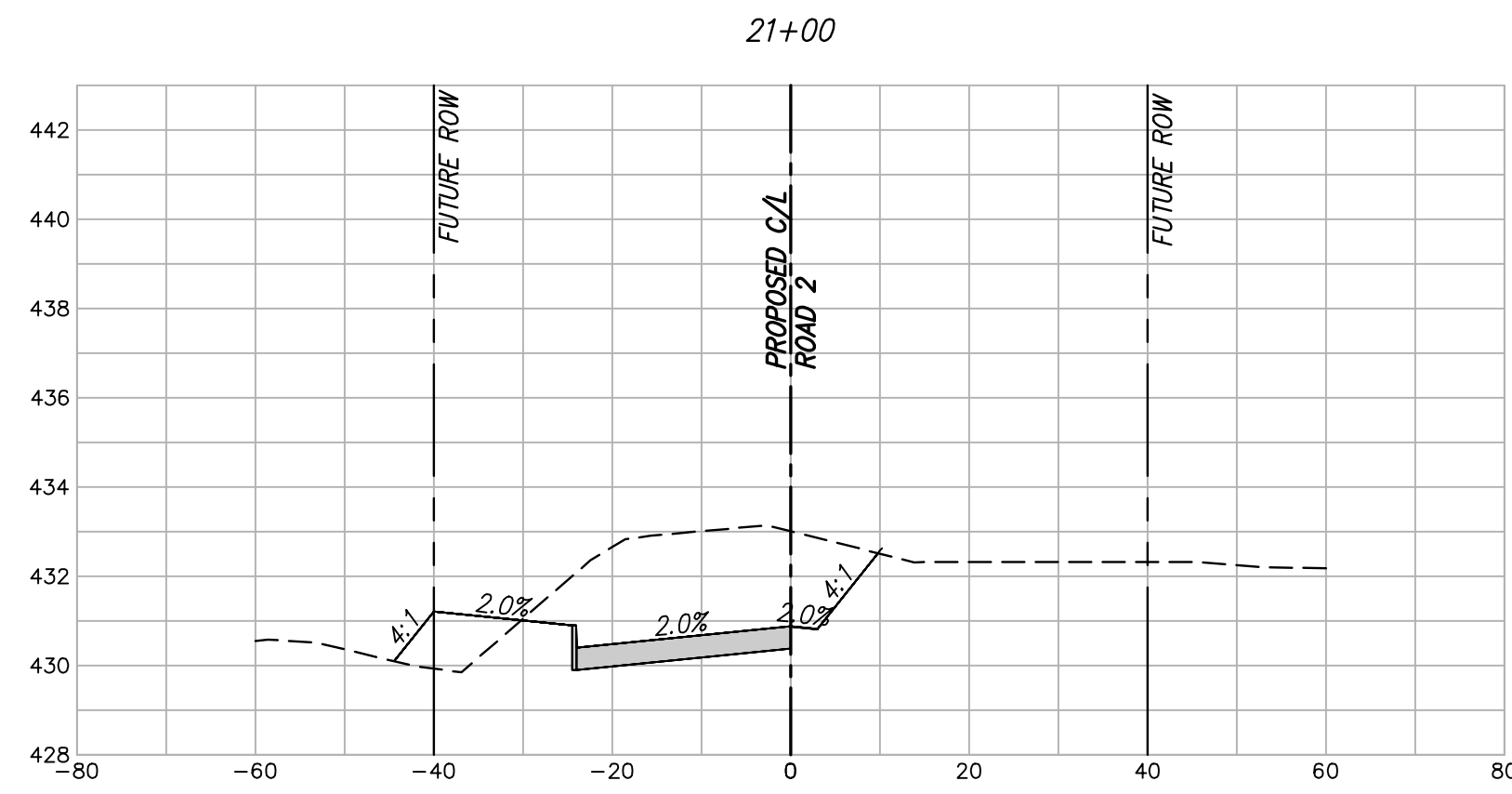
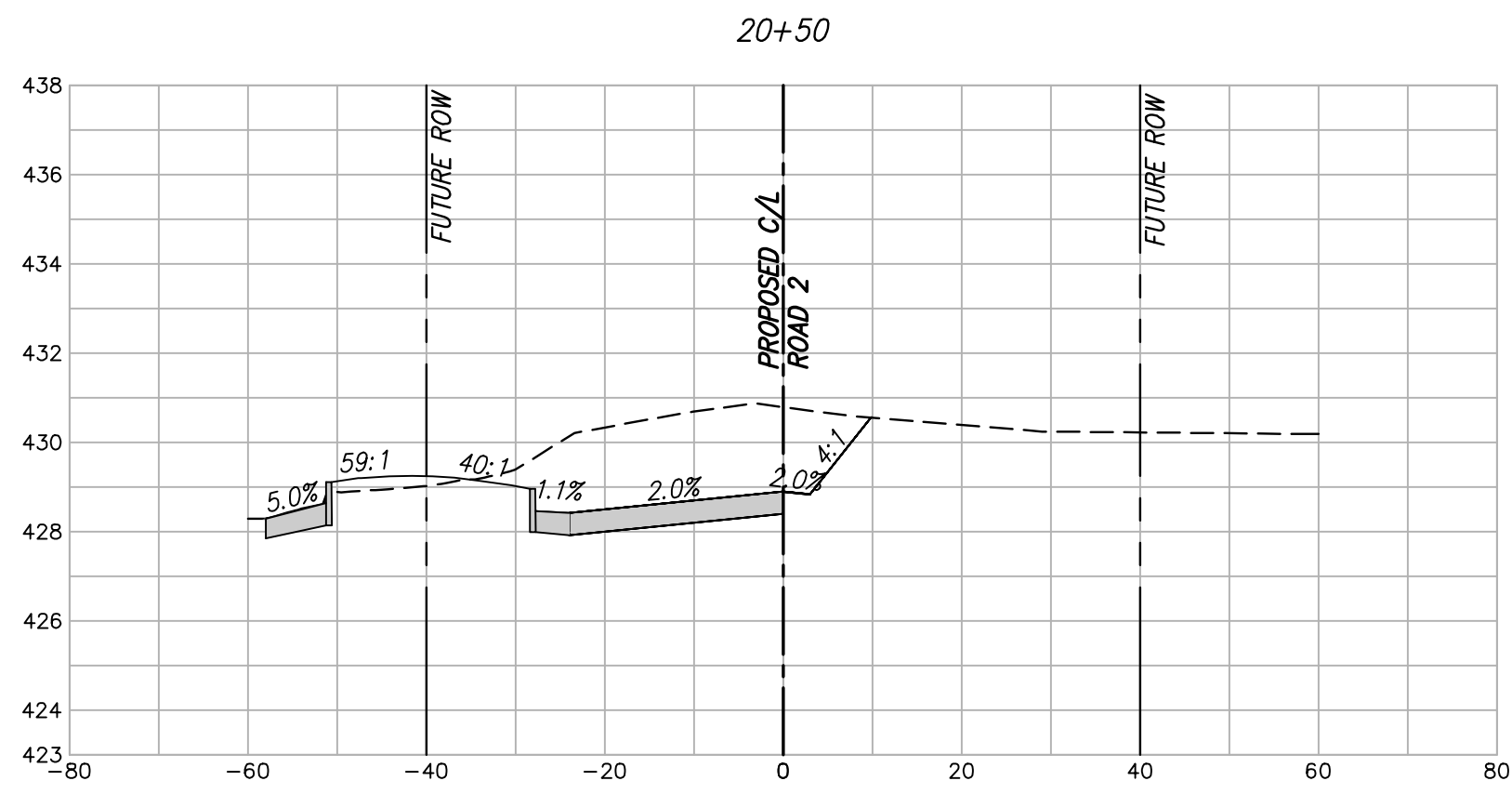
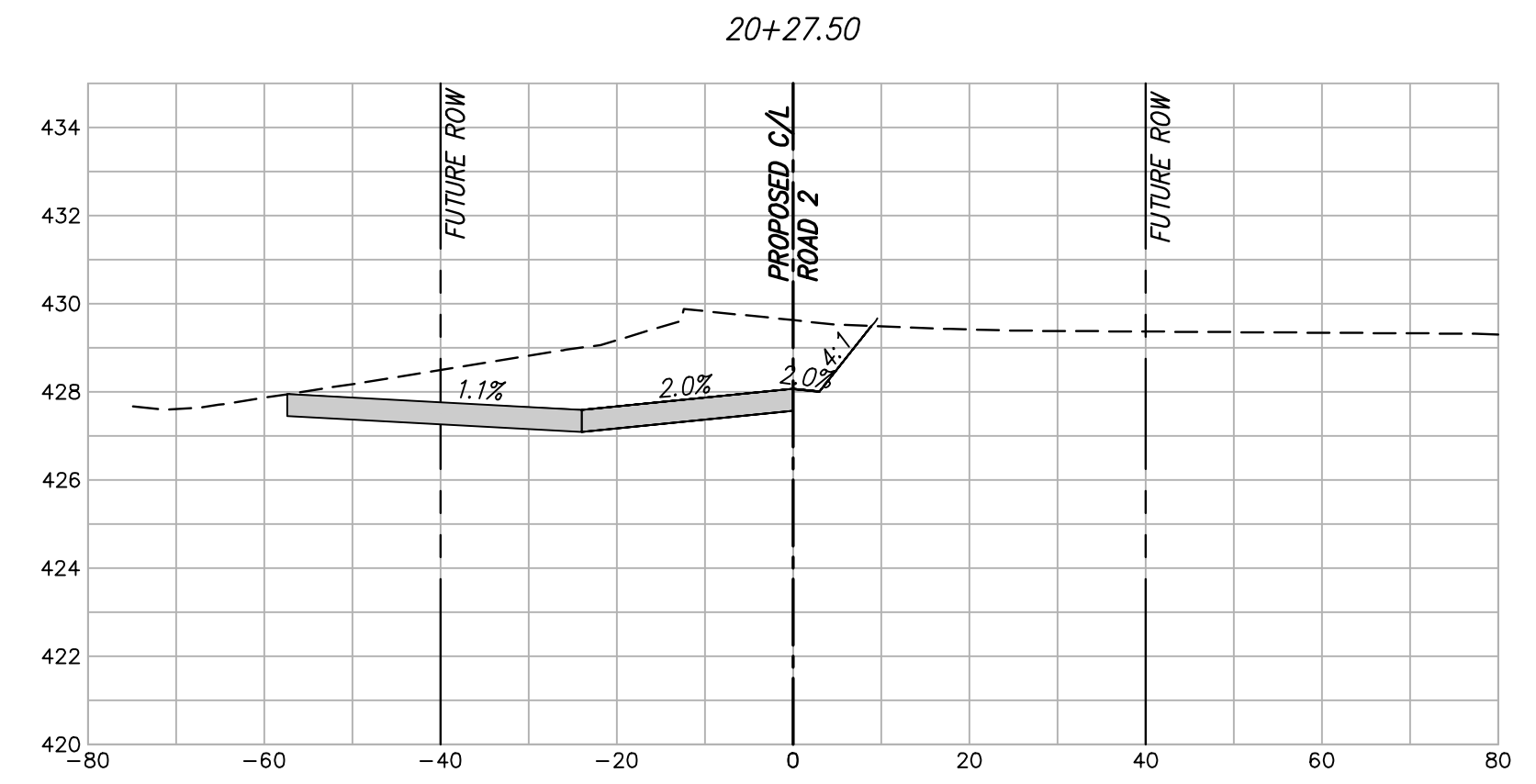
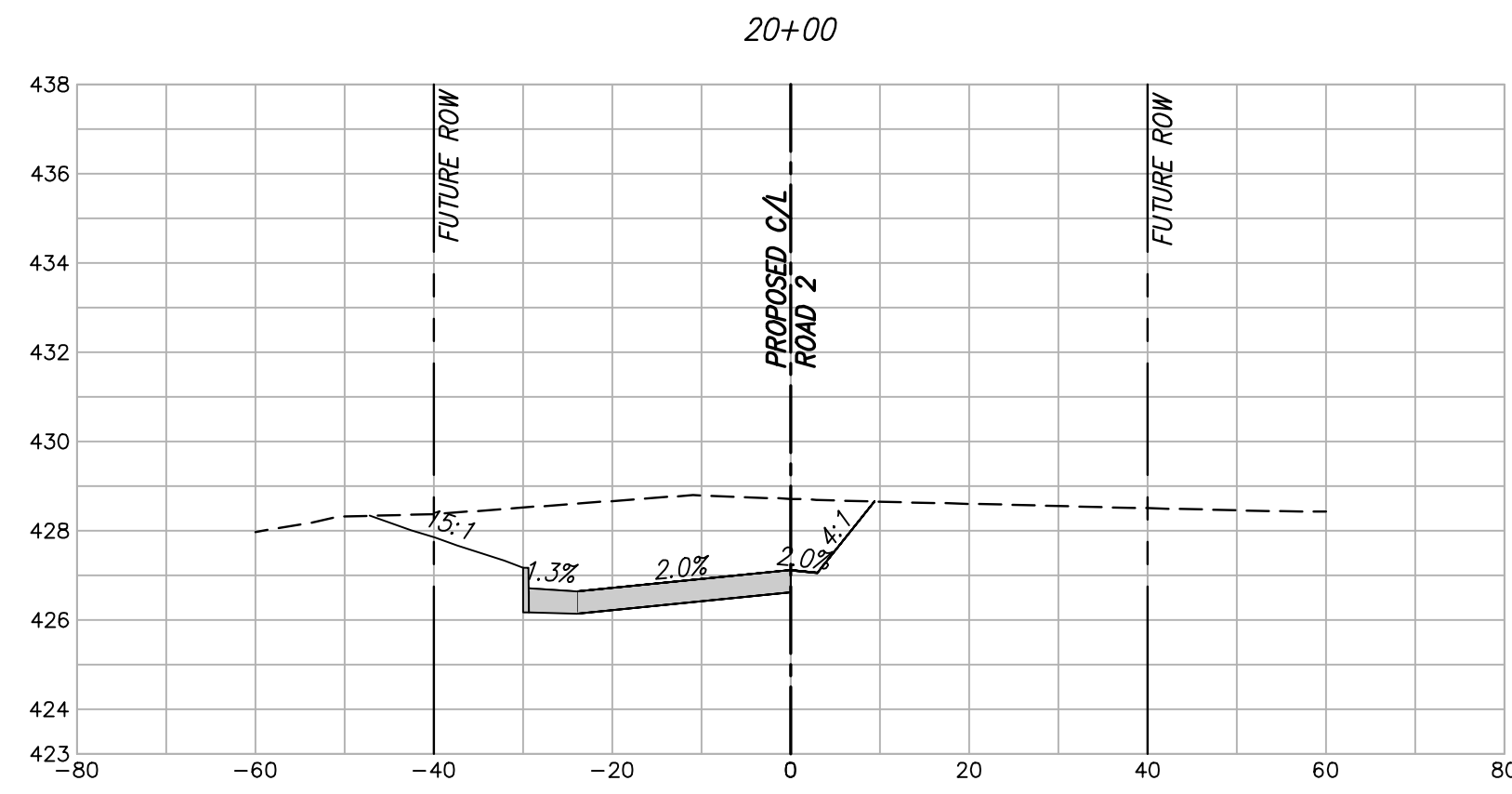
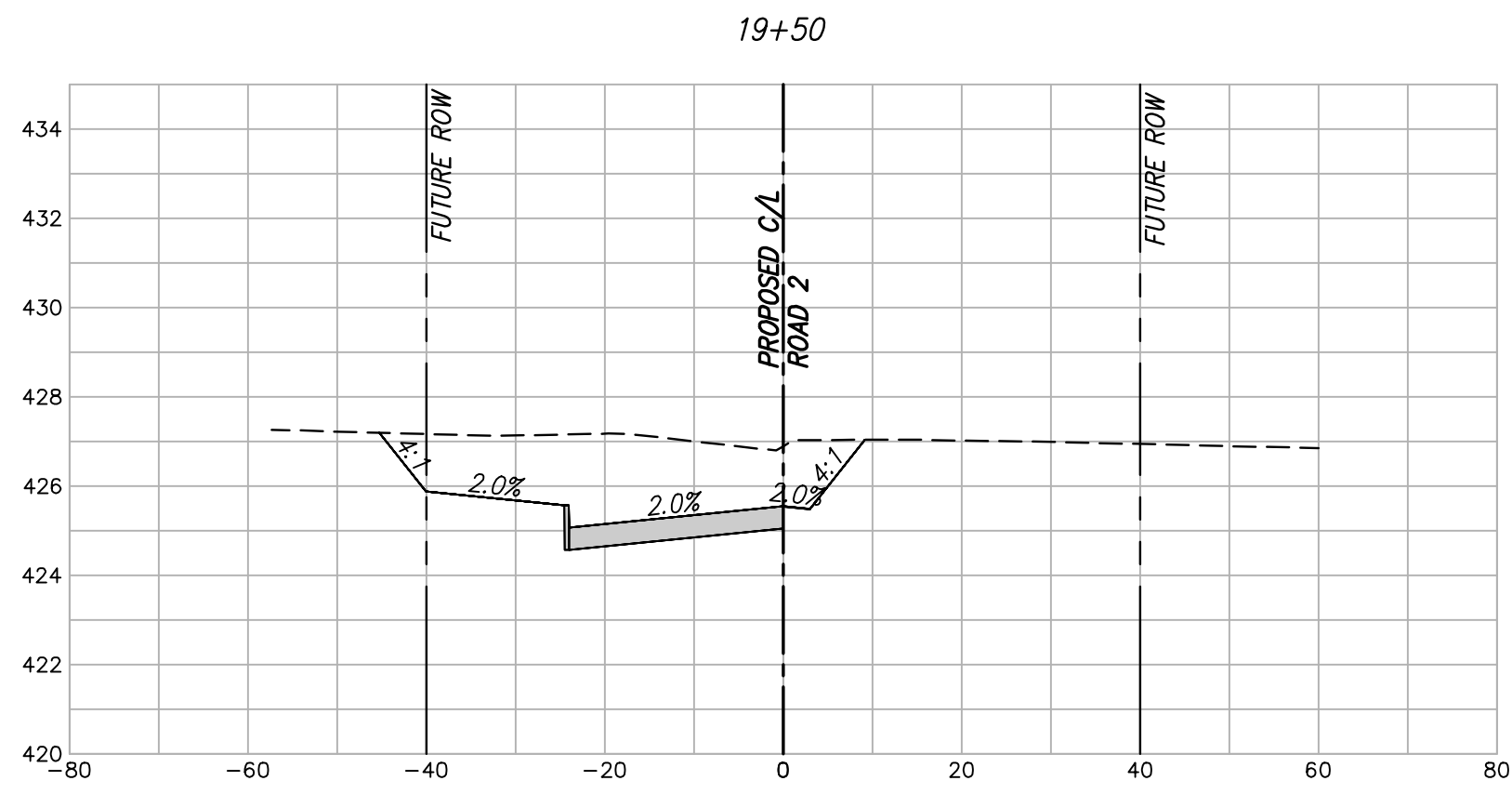


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 2
STA. 15+00 TO 19+00

tnp project
KFM22494
 sheet
26
 of
38

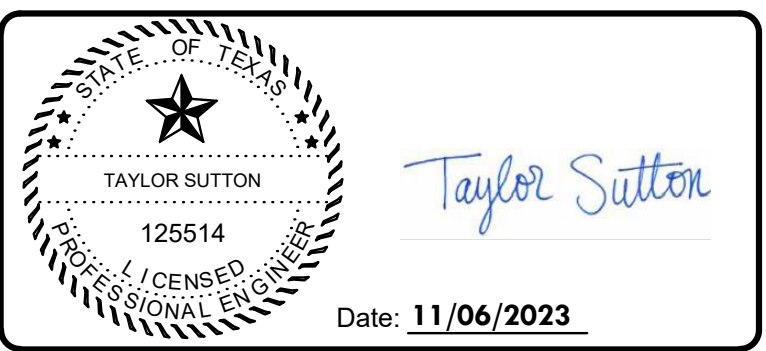


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\CROSS SECTION ROAD 2.dwg at Nov 08, 2023 2:38pm by jbowmsand

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 GBPE: PEF007431; TBAE: BR 2673

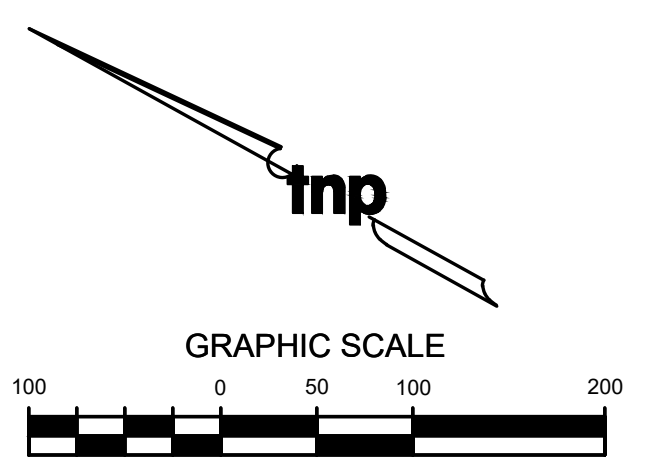
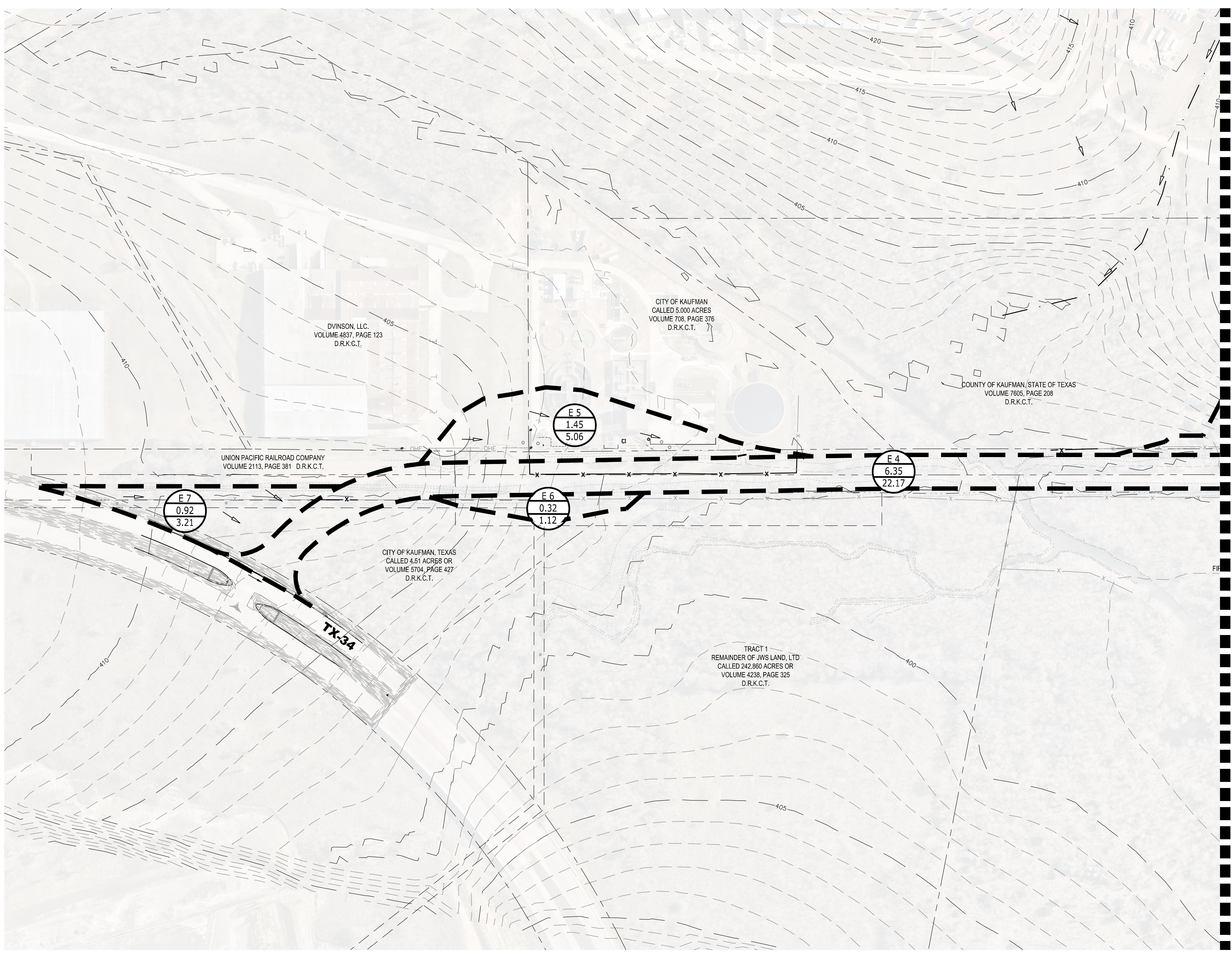


scale
 when bar is
 1 inch long
 horiz
 1"=20'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CROSS SECTION ROAD 2
STA. 19+50 TO 22+50

tnp project
KFM22494
 sheet
27
 of
38



LEGEND	
	DRAINAGE AREA #
	AREA, ACRES
	RUNOFF, CFS
	FLOW DIRECTION
	DRAINAGE DIVIDE
	EXISTING EASEMENTS
	EXISTING PROPERTY LINES
	FLOODPLAIN
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR

100-YR STORM
 C = 0.30
 I = See calculation table
 Cf = 1.25
 A = Area (Ac.)
 Q = (Cf)(I)(A)

Basin	Overland Flow Component				Shallow Concentrated flow				TC		
	Manning's roughness "n"	Slope ft/ft	Distance D (ft)	2 yr, 24 hr rainfall (in)	Travel Time T _t (hr)	Slope ft/ft	Distance (ft)	Average Velocity (ft/sec)	Travel Time (hr)	Time of Conc (hr)	Time of Conc (min)
1	0.13	0.008	100	3.60	0.20	0.014	880	1.87	0.13	0.33	20
2	0.13	0.002	100	3.60	0.34	0.021	606	2.37	0.07	0.42	25
3	0.13	0.021	100	3.60	0.13	0.021	538	2.37	0.06	0.20	12
4	0.13	0.003	100	3.60	0.29	0.020	538	2.37	0.06	0.36	21

$T_t = 0.007(nL)^{0.8} / (P^2)^{0.5}(S)^{0.4}$ Sheet Flow from Eq. 1.10 ISWM Hydrology

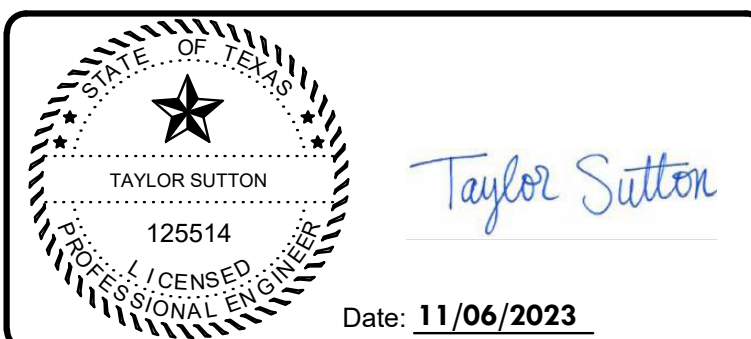
Drainage ID	Area (AC)	TC (min)	Cf	C	100 year		Remark
					I (in/hr)	Q (cfs)	
E1	13.49	20	1.25	0.30	7.15	36.17	
E2	8.89	25	1.25	0.30	6.44	21.47	
E3	5.37	12	1.25	0.30	8.76	17.64	
E4	6.35	10	1.25	0.30	9.31	22.17	
E5	1.45	10	1.25	0.30	9.31	5.06	
E6	0.32	10	1.25	0.30	9.31	1.12	
E7	0.92	10	1.25	0.30	9.31	3.21	
E8	1.15	10	1.25	0.30	9.31	4.01	
E9	13.32	20	1.25	0.30	7.15	35.71	

Drawing: T:\Projects\KFM22494\Eng\CADD\DRAINAGE AREA MAP - EXISTING CONDITION.dwg at Nov 08, 2023 2:36pm by plowmnd

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 GBPE: PEF007431; TBAE: BR 2673

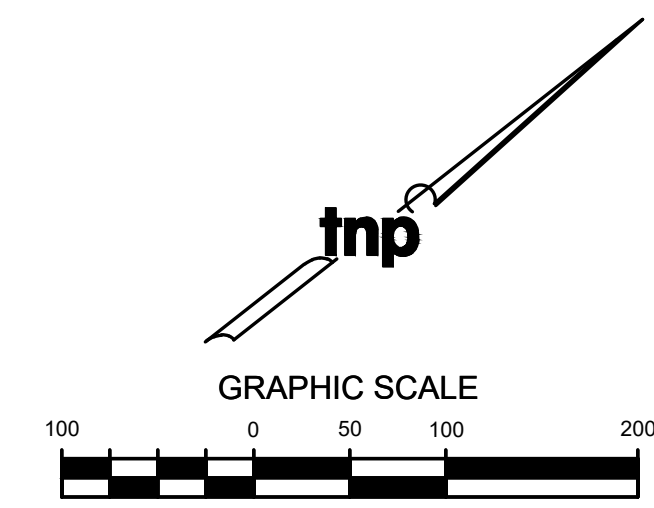
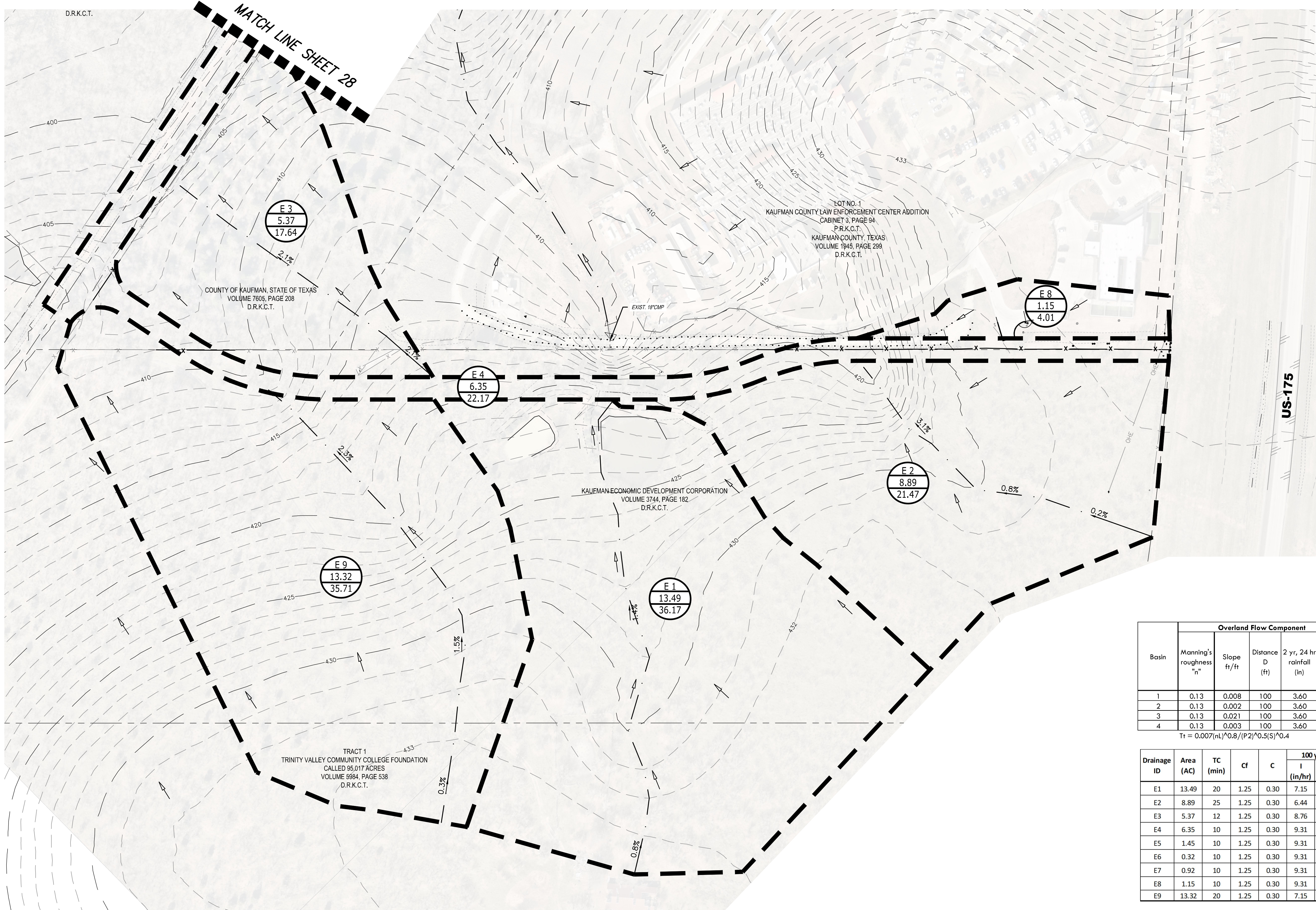


scale
 when bar is
 1 inch long
 horiz
 1"=100'
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PRE-DEVELOPED DRAINAGE AREA
 MAP 1 OF 2

tnp project
KFM22494
 sheet
28
 of
38



LEGEND

- 1 DRAINAGE AREA #
- 3.65 AREA, ACRES
- 10.89 RUNOFF, CFS
- FLOW DIRECTION
- DRAINAGE DIVIDE
- EXISTING EASEMENTS
- EXISTING PROPERTY LINES
- FLOODPLAIN
- 500' EXISTING MINOR CONTOUR
- 500' EXISTING MAJOR CONTOUR

100-YR STORM
 C = 0.30
 I = See calculation table
 Cf = 1.25
 A = Area (Ac.)
 Q = (Cf)(C)(I)(A)

Basin	Overland Flow Component					Shallow Concentrated flow				TC	
	Manning's roughness "n"	Slope ft/ft	Distance D (ft)	2 yr, 24 hr rainfall (in)	Travel Time Tt (hr)	Slope ft/ft	Distance (ft)	Average Velocity (ft/sec)	Travel Time (hr)	Time of Conc (hr)	Time of Conc (min)
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2	0.13	0.002	100	3.60	0.34	0.021	606	2.37	0.07	0.42	25
3	0.13	0.021	100	3.60	0.13	0.021	538	2.37	0.06	0.20	12
4	0.13	0.003	100	3.60	0.29	0.020	538	2.37	0.06	0.36	21

$T_t = 0.007(nL)^{0.8}/(P^2)^{0.5}(S)^{0.4}$ Sheet Flow from Eq. 1.10 ISWM Hydrology

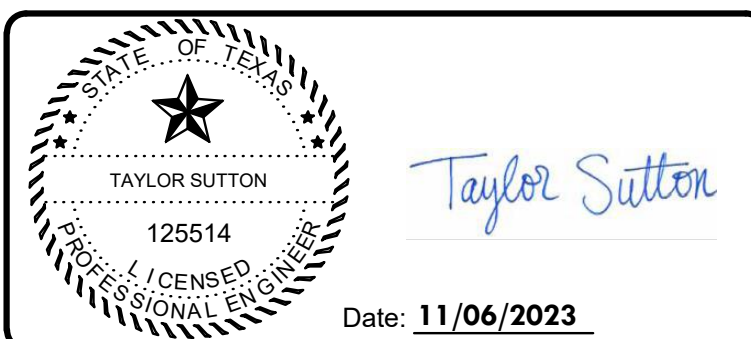
Drainage ID	Area (AC)	TC (min)	Cf	C	100 year		Remark
					I (in/hr)	Q (cfs)	
E1	13.49	20	1.25	0.30	7.15	36.17	
E2	8.89	25	1.25	0.30	6.44	21.47	
E3	5.37	12	1.25	0.30	8.76	17.64	
E4	6.35	10	1.25	0.30	9.31	22.17	
E5	1.45	10	1.25	0.30	9.31	5.06	
E6	0.32	10	1.25	0.30	9.31	1.12	
E7	0.92	10	1.25	0.30	9.31	3.21	
E8	1.15	10	1.25	0.30	9.31	4.01	
E9	13.32	20	1.25	0.30	7.15	35.71	

Drawing: T:\Projects\KFM22494\Eng\CADD\DRAINAGE AREA MAP - EXISTING CONDITION.dwg at Nov 08, 2023 2:23 pm by plowmnd

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 GBPE: PEF007431; TBAE: BR 2673

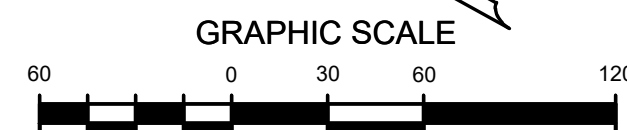


scale
 when bar is
 1 inch long
 horiz
 1"=100'
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

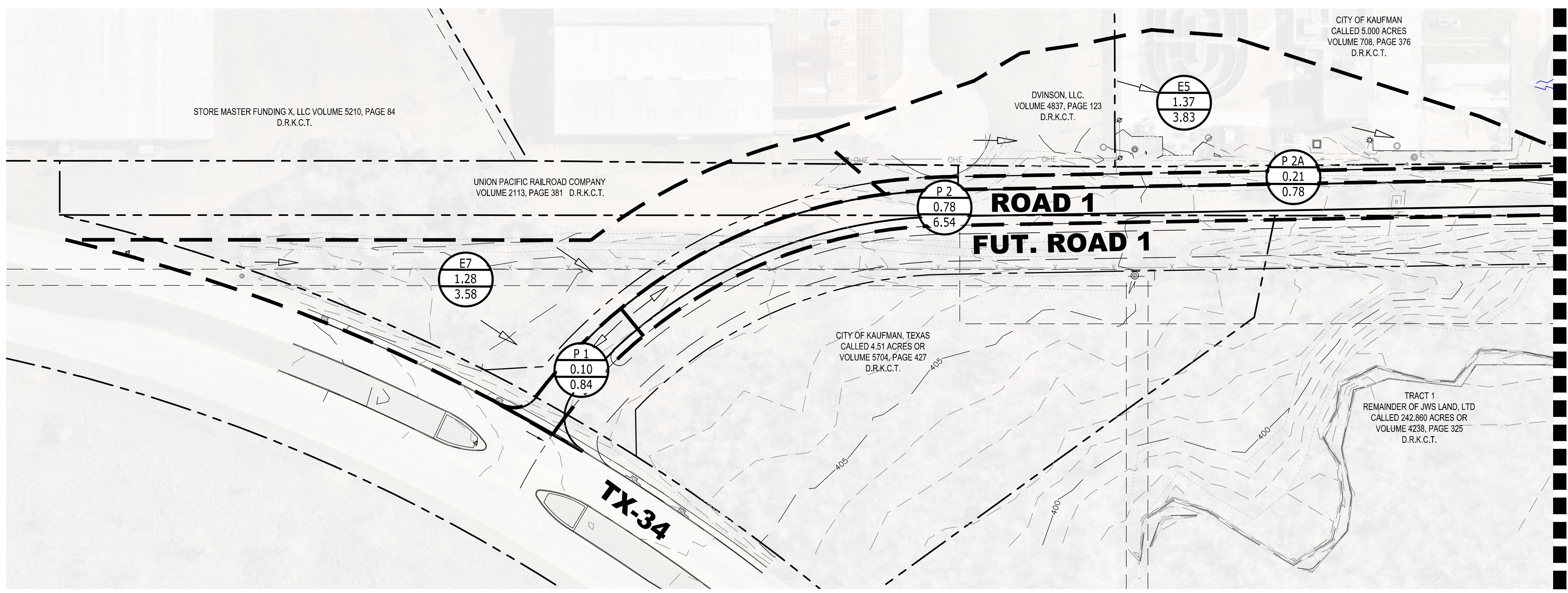
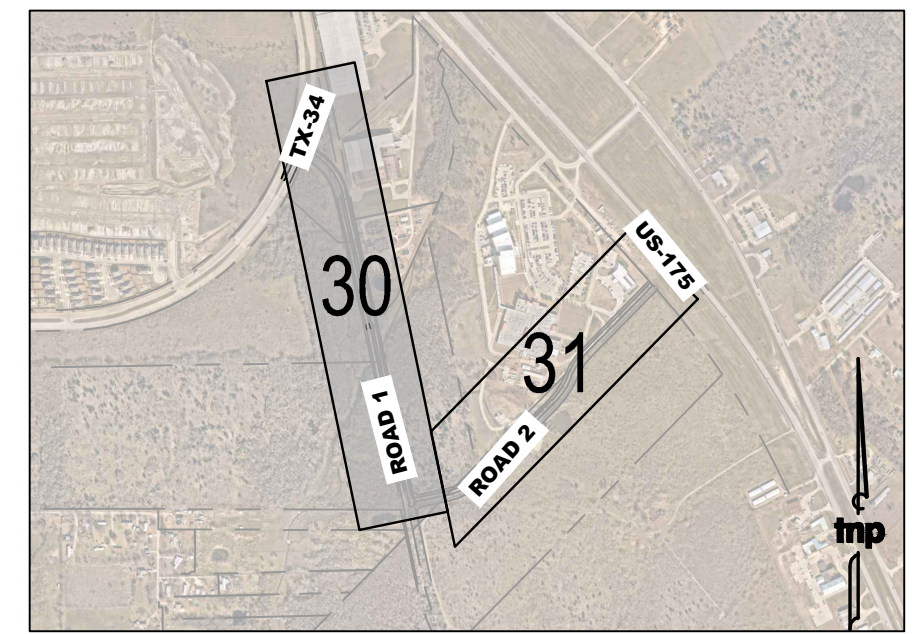
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
PRE-DEVELOPED DRAINAGE AREA
MAP 2 OF 2

tnp project
KFM22494
 sheet
29
 of
38



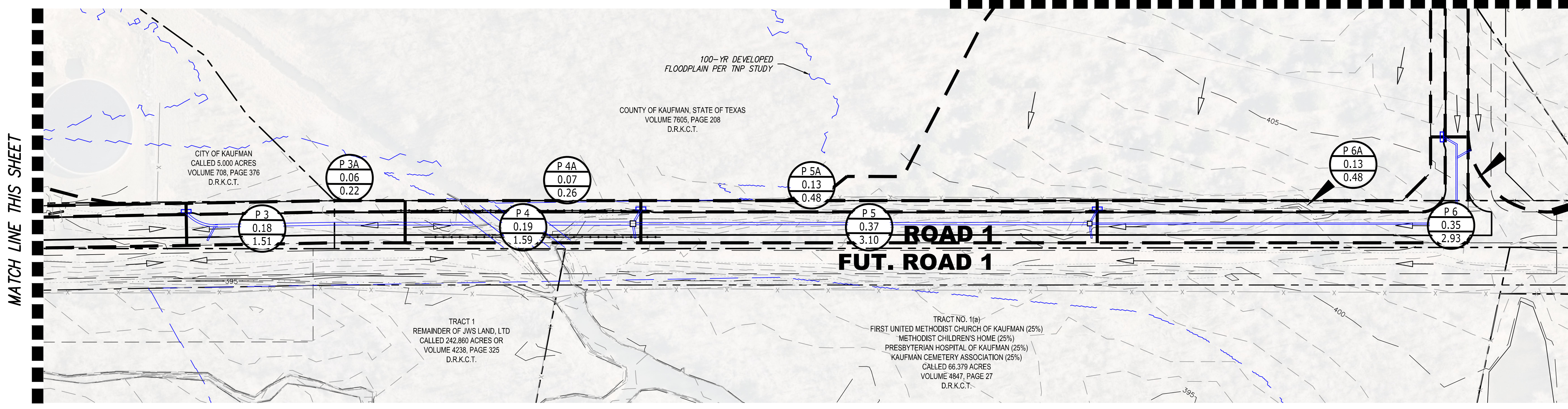
LEGEND	
1	DRAINAGE AREA #
3.65	AREA, ACRES
10.89	RUNOFF, CFS
	FLOW DIRECTION
	DRAINAGE DIVIDE
	EXISTING EASEMENTS
	EXISTING PROPERTY LINES
	FLOODPLAIN
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED CURB INLET
	PROPOSED STORM PIPE

100-YR STORM
C = 0.30
I = See calculation table
Cf = 1.25
A = Area (Ac.)
Q = (Cf)(C)(I)(A)



MATCH LINE THIS SHEET

MATCH LINE SHEET 31



MATCH LINE THIS SHEET

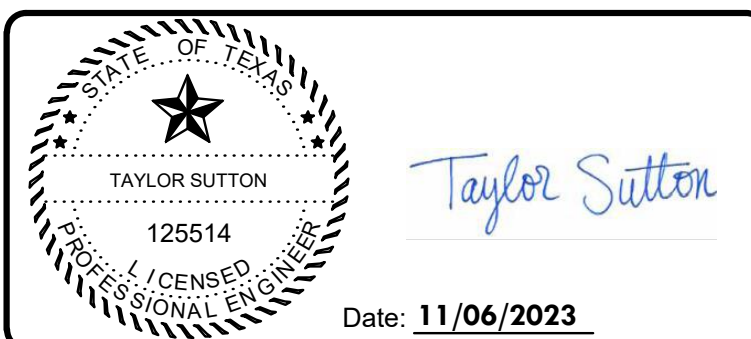
KEY MAP
NTS

Drawing: T:\Projects\KFM22494\Eng\CADD\DRAINAGE AREA MAP - POST DEVELOPMENT.dwg at Nov 08, 2023 2:37pm by plowmssand

no.	revision	by	date



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GBPE: PEF007431; TBAE: BR 2673

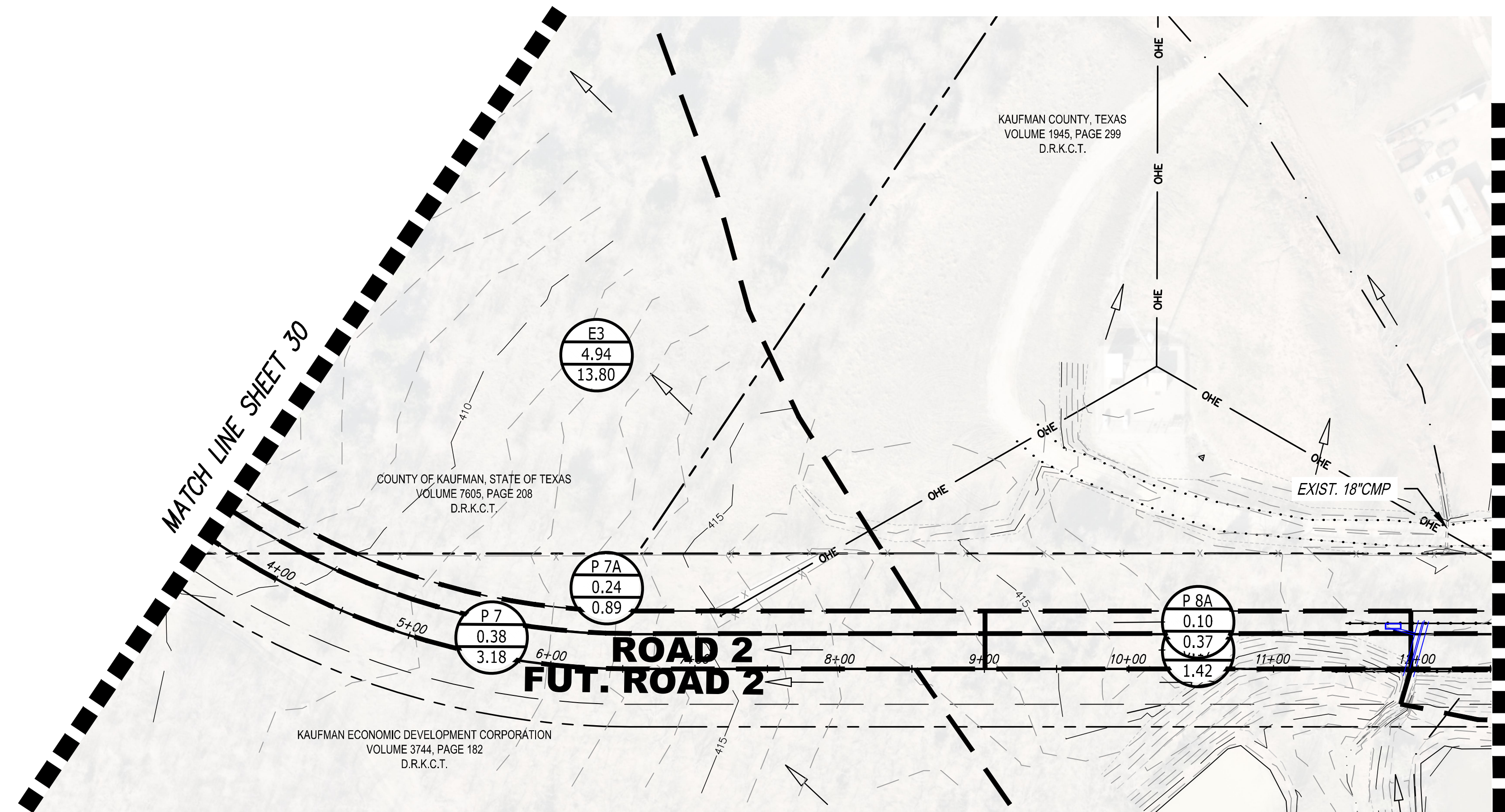


scale
when bar is
1 inch long
horiz
1"=60'
vert
N/A
NOV 2023

KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

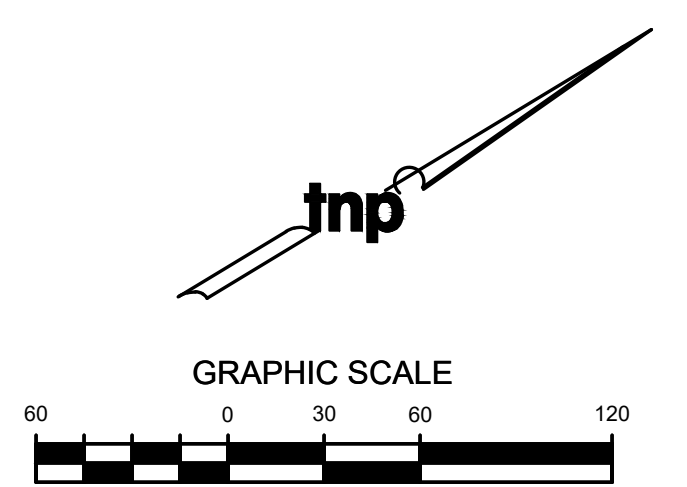
KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
POST-DEVELOPED DRAINAGE AREA
MAP 1 OF 2

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KFM22494
sheet
30
of
38



DRAINAGE AREA CALCULATIONS

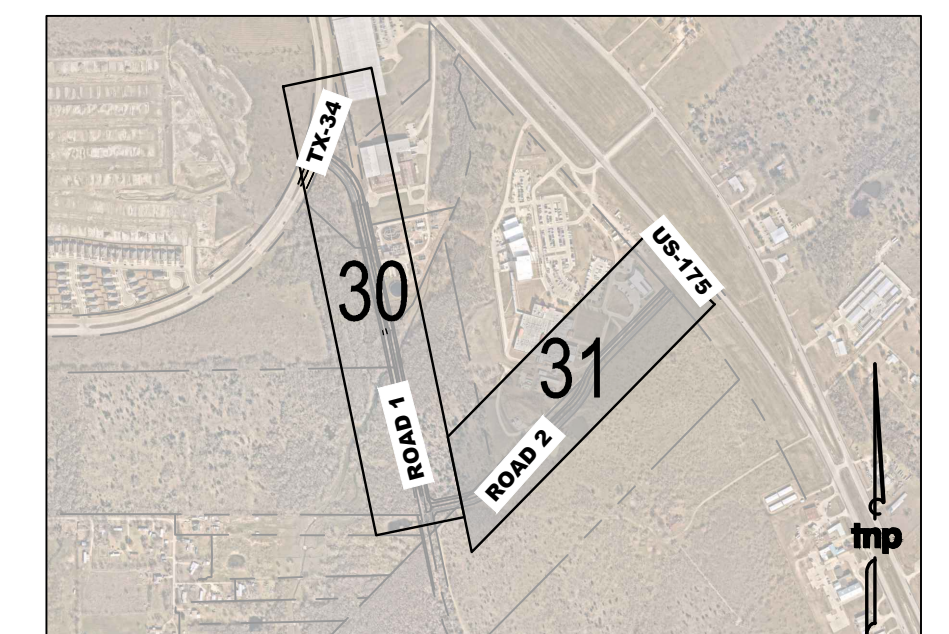
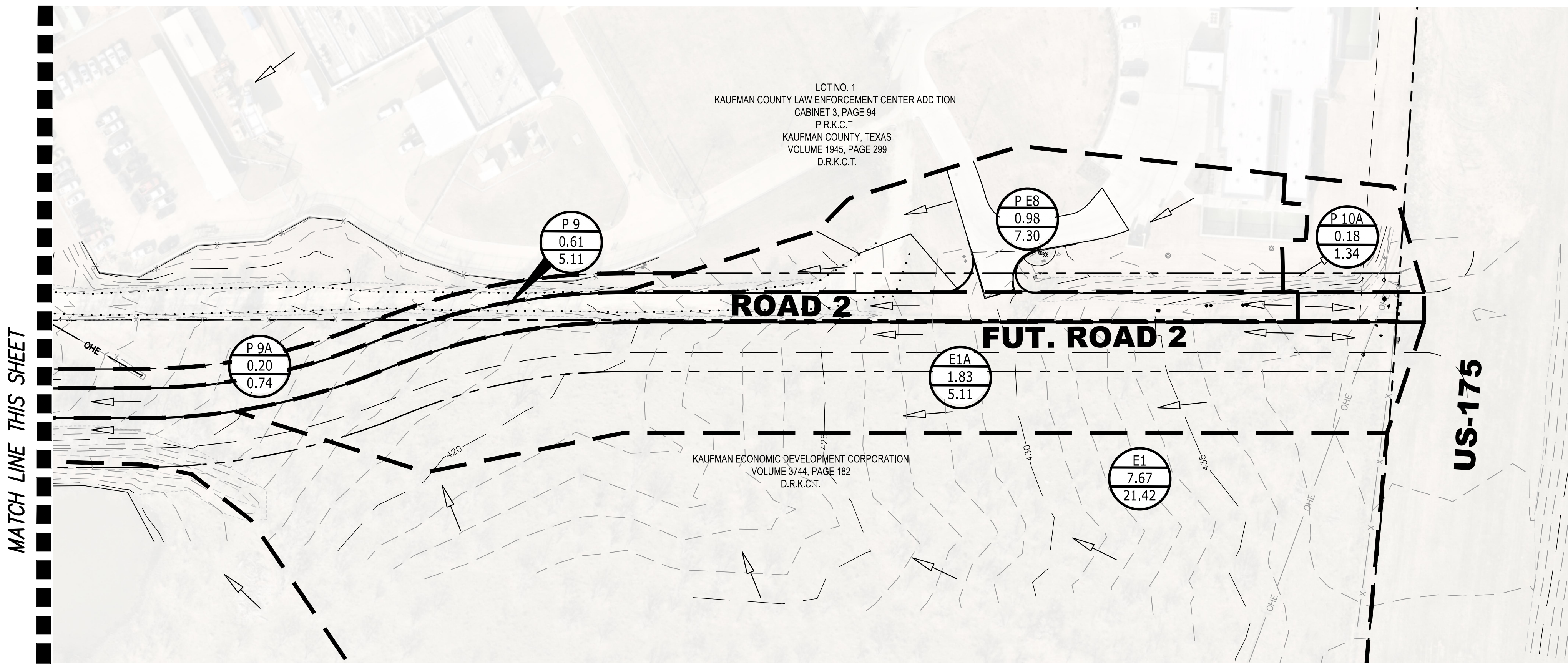
Drainage Area No.	Time of Conc. (min.)	Intensity I ₁₀₀ (in/hr)	C Factor	Runoff Coefficient C	Area (ac.)	Q ₁₀₀ (cfs)	FLOW TO INLET ID
P1	10	9.31	1.00	0.90	0.10	0.84	
P2	10	9.31	1.00	0.90	0.78	6.54	A1
P2A	10	9.31	1.00	0.40	0.21	0.78	A1
P3	10	9.31	1.00	0.90	0.18	1.51	A1
P3A	10	9.31	1.00	0.40	0.06	0.22	A1
P4	10	9.31	1.00	0.90	0.19	1.59	B1
P4A	10	9.31	1.00	0.40	0.07	0.26	B1
P5	10	9.31	1.00	0.90	0.37	3.10	B1
P5A	10	9.31	1.00	0.40	0.13	0.48	B1
P6	10	9.31	1.00	0.90	0.35	2.93	B2
P6A	10	9.31	1.00	0.40	0.13	0.48	B2
P7	10	9.31	1.00	0.90	0.38	3.18	B3
P7A	10	9.31	1.00	0.40	0.24	0.89	B3
P8	10	9.31	1.00	0.90	0.17	1.42	D1
P8A	10	9.31	1.00	0.40	0.10	0.37	D1
P9	10	9.31	1.00	0.90	0.61	5.11	D1
P9A	10	9.31	1.00	0.40	0.20	0.74	D1
P10	10	9.31	1.00	0.90	0.06	0.50	
P10A	10	9.31	1.00	0.30	0.18	0.50	



LEGEND

- 1 DRAINAGE AREA #
- 3.65 AREA, ACRES
- 10.89 RUNOFF, CFS
- FLOW DIRECTION
- DRAINAGE DIVIDE
- EXISTING EASEMENTS
- EXISTING PROPERTY LINES
- FLOODPLAIN
- 500' EXISTING MINOR CONTOUR
- 500' EXISTING MAJOR CONTOUR
- PROPOSED CURB INLET
- PROPOSED STORM PIPE

100-YR STORM
 C = 0.30
 I = See calculation table
 Cf = 1.25
 A = Area (Ac.)
 Q = (Cf)(C)(I)(A)



**KEY MAP
NTS**

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673



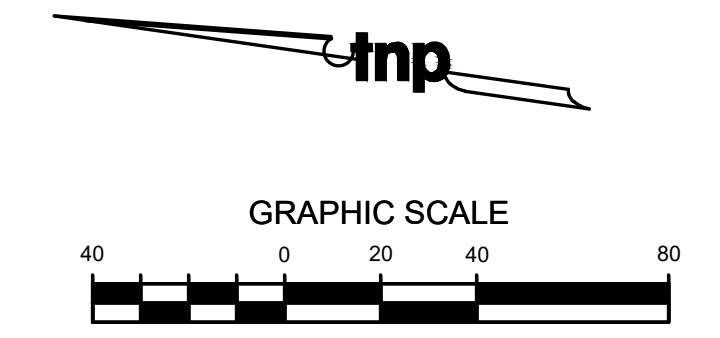
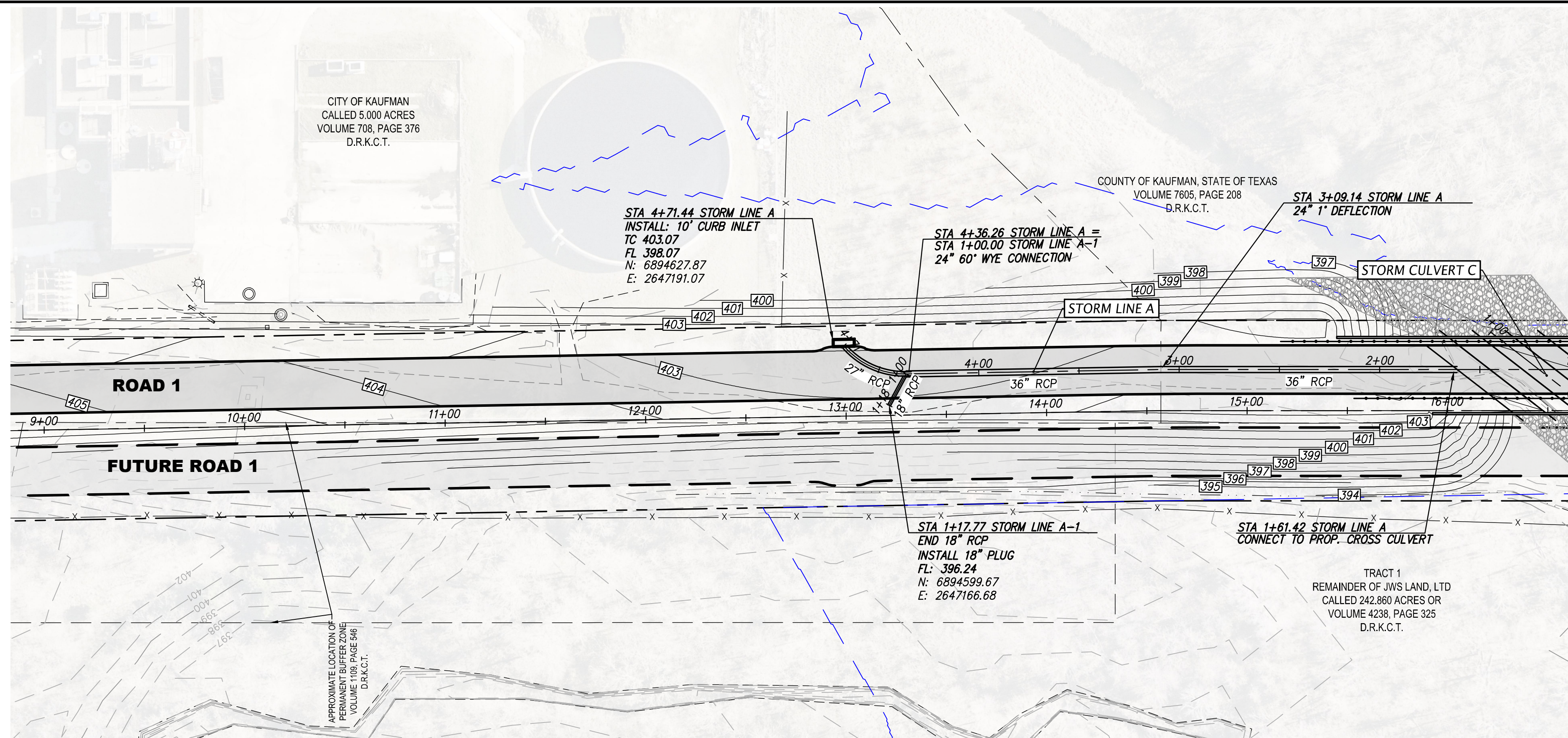
scale
 when bar is
 1 inch long
 horiz
 1"=60'
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

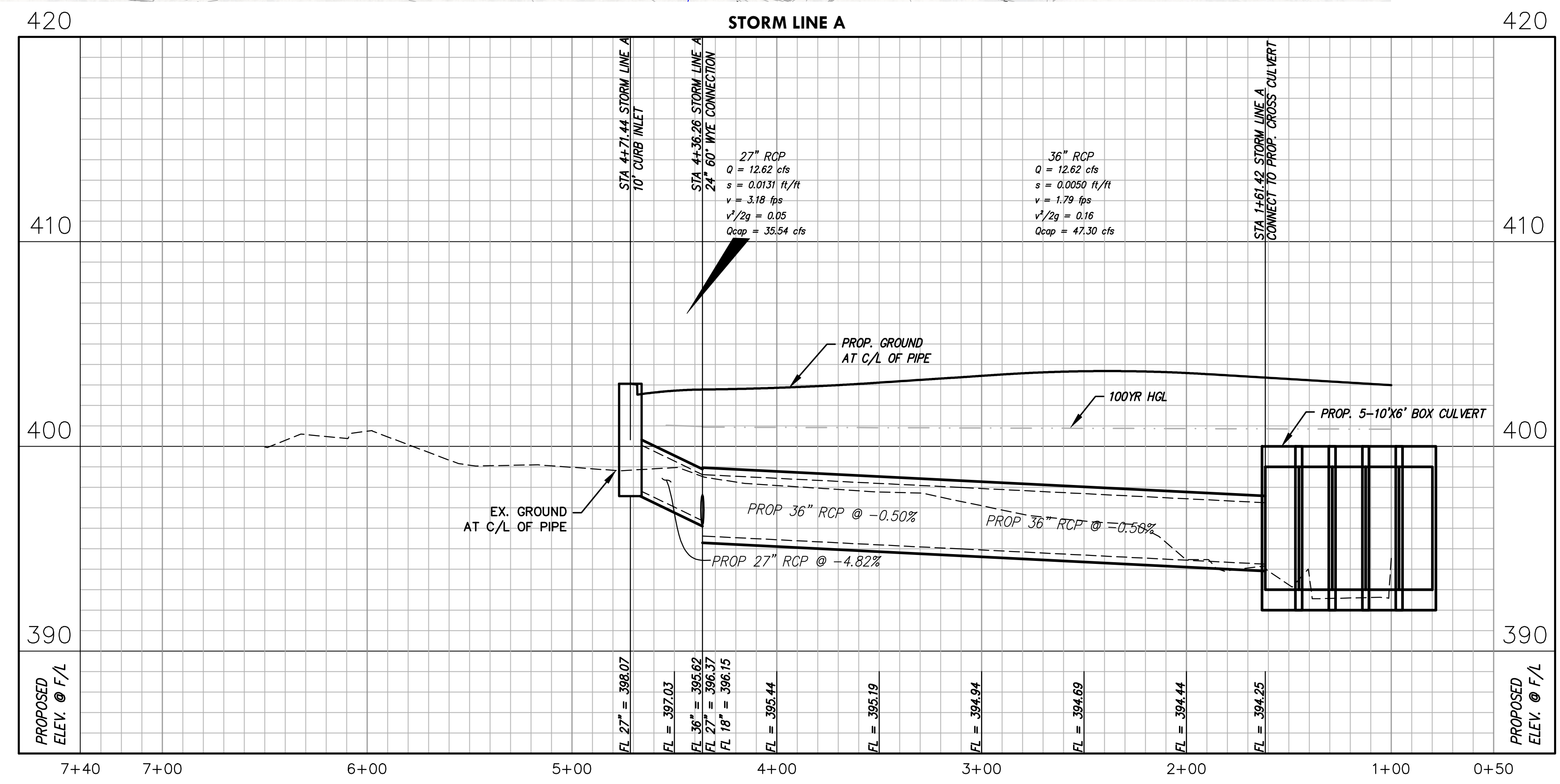
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
POST-DEVELOPED DRAINAGE AREA
MAP 2 OF 2

tnp project
KFM22494
 sheet
31
 of
38

Drawing: T:\Projects\KFM22494\Eng\CADD\CADD\SHEET\KFM22494-DRAINAGE AREA MAP - POST DEVELOPMENT.dwg at Nov 08, 2023 2:28pm by plowmsand



LEGEND	
	PROPOSED 10" CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	PROP SD LINE
	PROP SD INLET
	PROP SD MANHOLE
	PROP WATER LINE
	PROP FIRE HYDRANT
	EX SD LINE
	EX SD MANHOLE
	EX SS LINE
	EX SS MANHOLE
	EX SS CLEANOUT
	EX WATER LINE
	FLOOD PLAIN
	EX FIRE HYDRANT
	EX WATER VALVE
	EX WATER METER

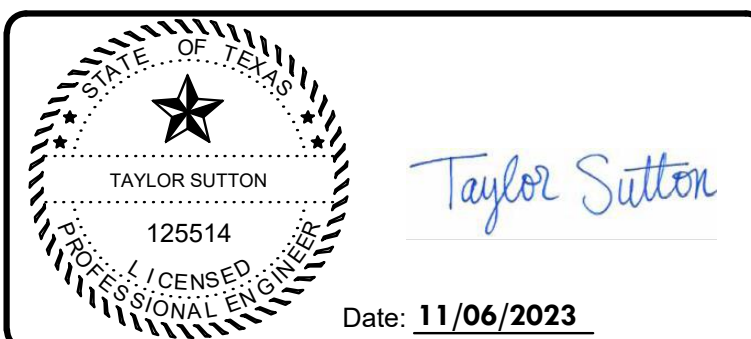


Drawing: T:\Projects\KFM22494\Eng\CADD\Sheet\KFM22494-STORM PLAN & PROFILE.dwg at Nov 08, 2023 2:38pm by jtownsend

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673

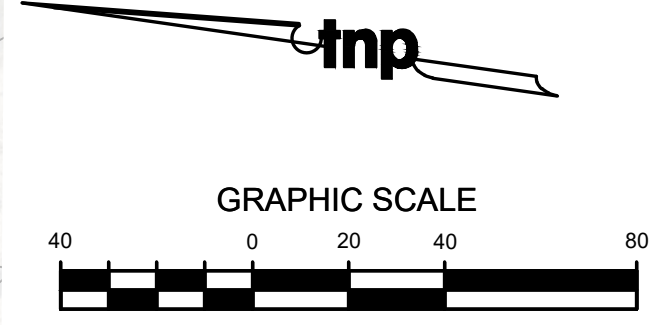


scale
 when bar is
 1 inch long
 horiz
 1"=40'
 vert
 1"=4'
 NOV 2023

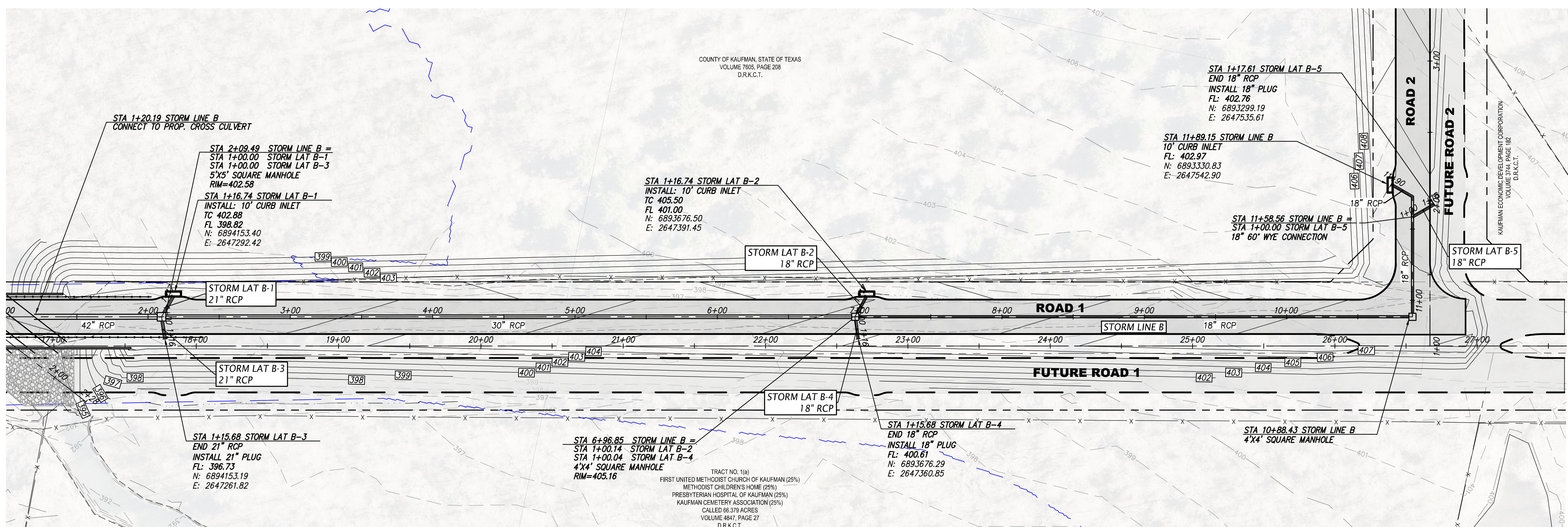
KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
STORM DRAIN PLAN & PROFILE -
STORM LINE A

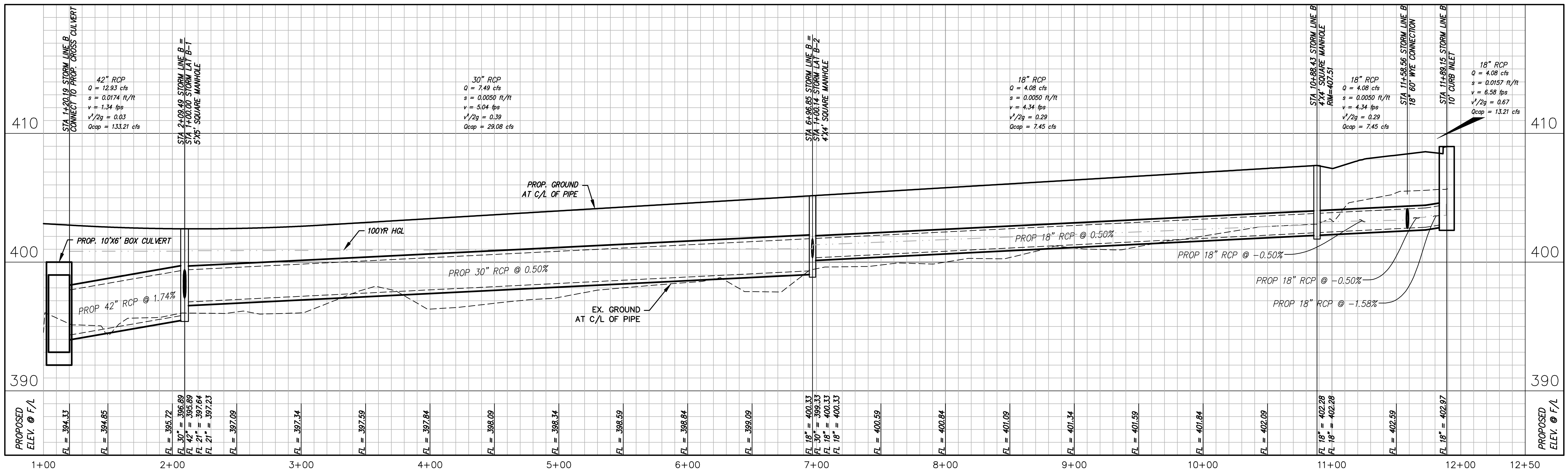
tnp project
KFM22494
 sheet
32
 of
38



LEGEND	
	PROPOSED 10' CONCRETE PAVEMENT
	FUTURE ROADWAY TO BE CONSTRUCTED AS SEPARATE PROJECT
	PROP SD LINE
	PROP SD INLET
	PROP SD MANHOLE
	PROP WATER LINE
	PROP FIRE HYDRANT
	EX SD LINE
	EX SD MANHOLE
	EX SS LINE
	EX SS MANHOLE
	EX SS CLEANOUT
	EX WATER LINE
	FLOOD PLAIN
	EX FIRE HYDRANT
	EX WATER VALVE
	EX WATER METER



STORM LINE B

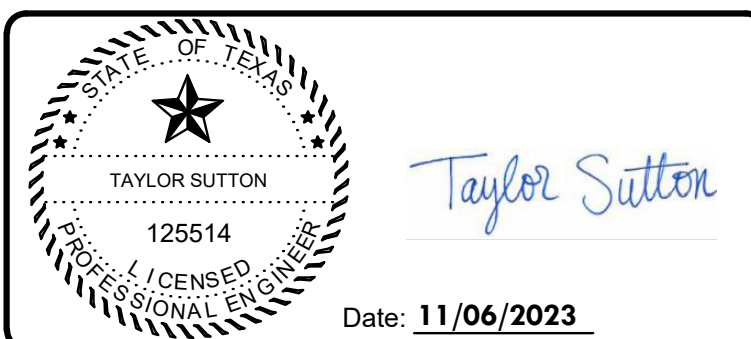


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no.	revision	by	date



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GBPPE: PEF007431; TBAE: BR 2673

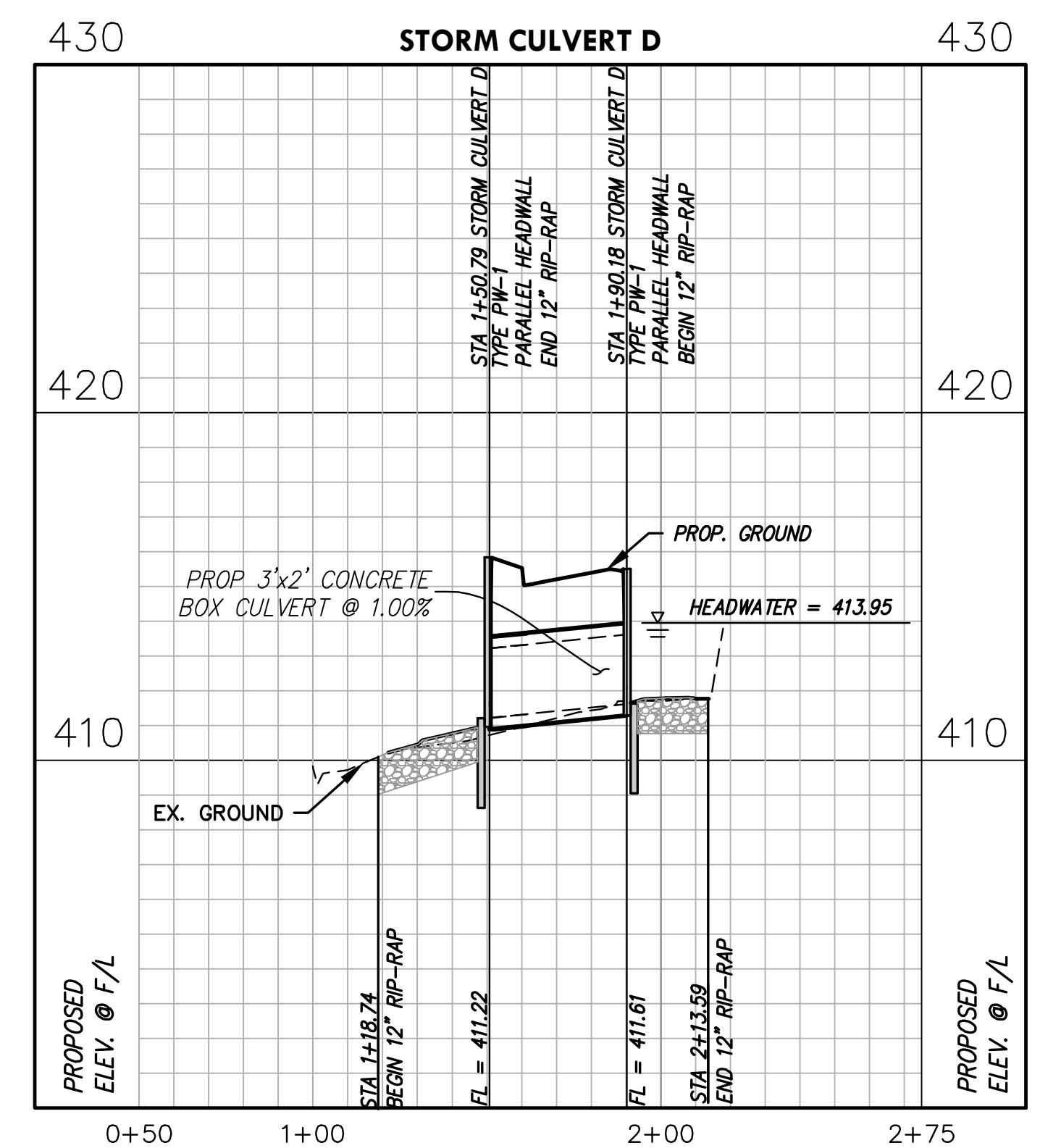
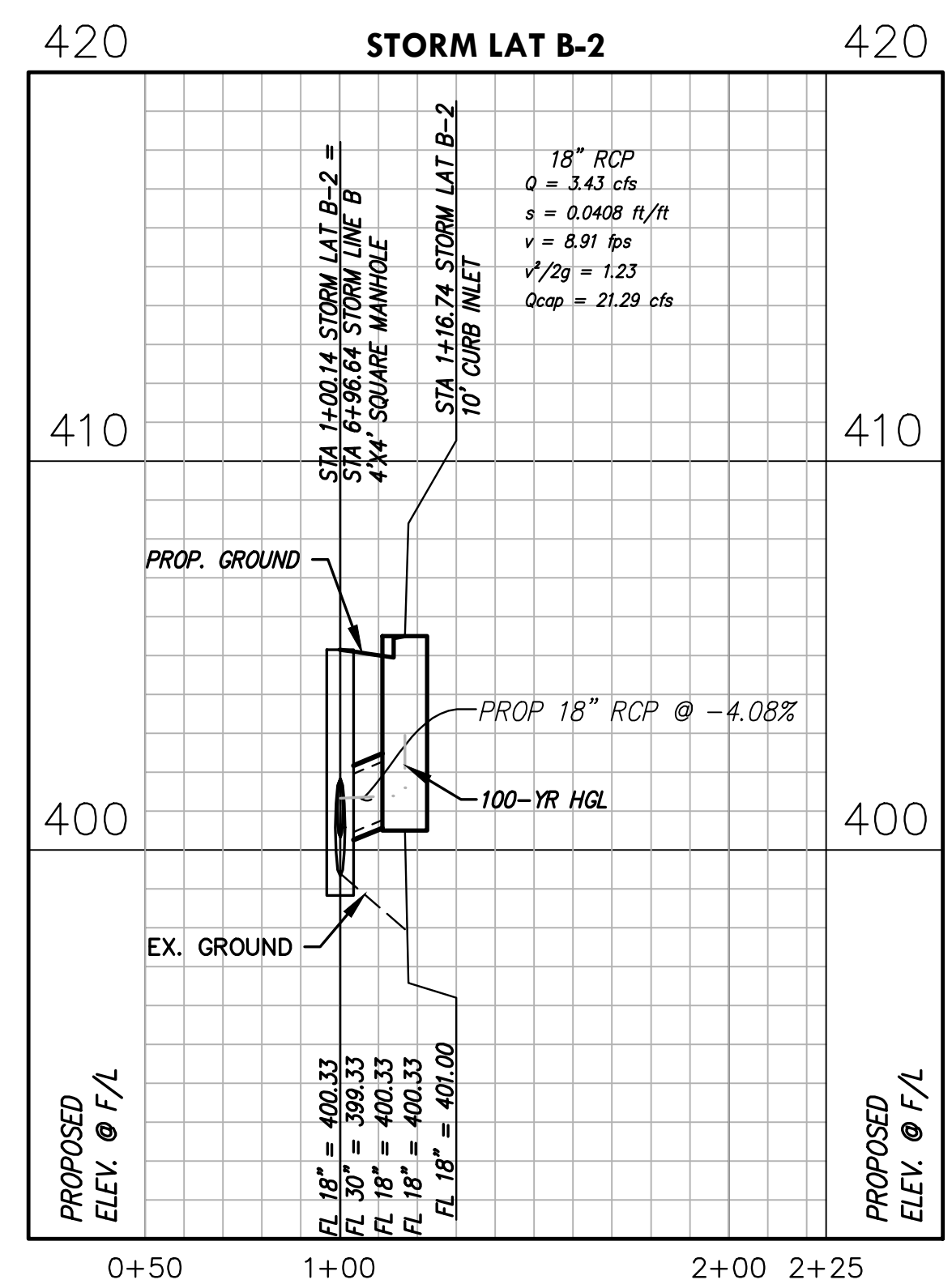
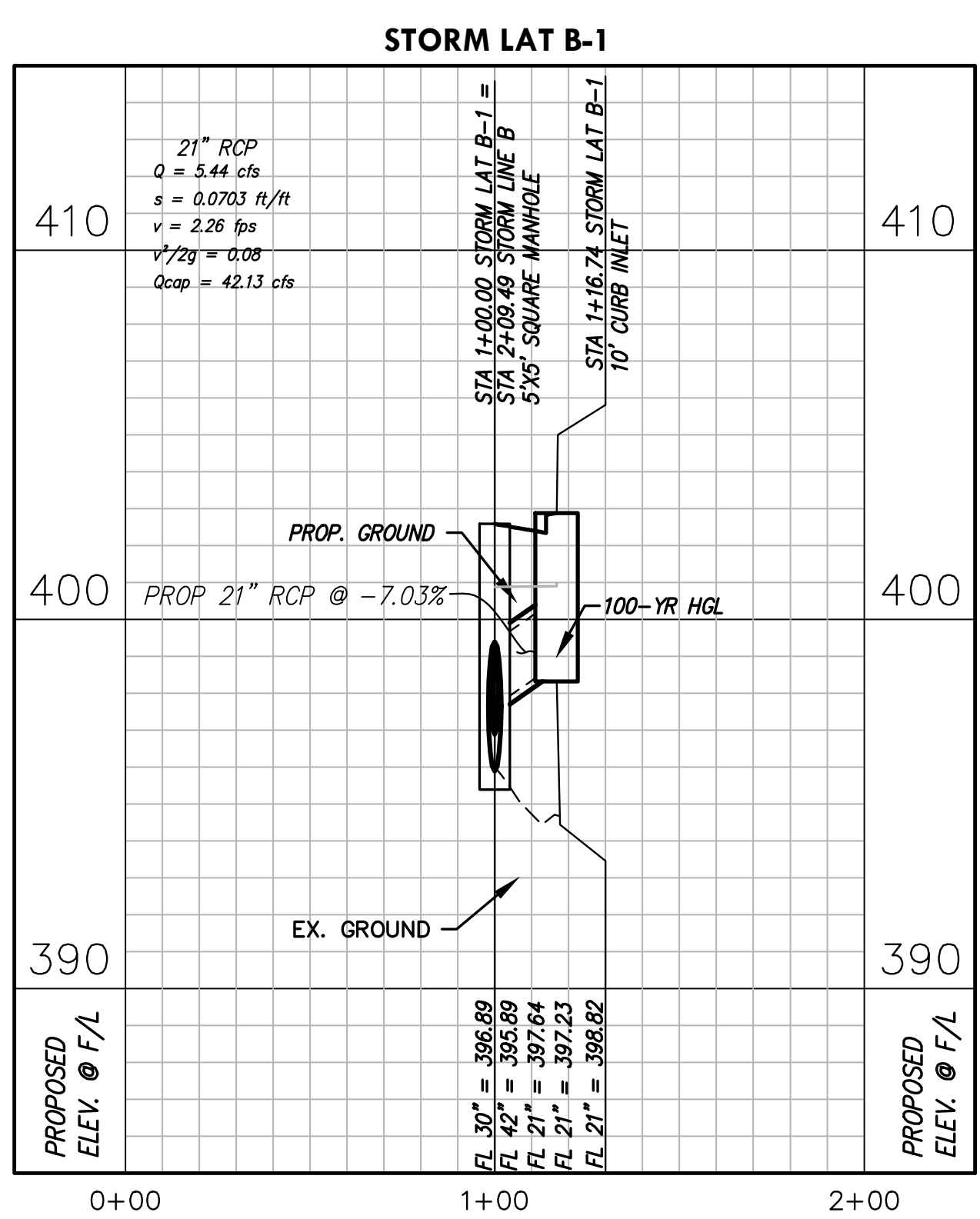
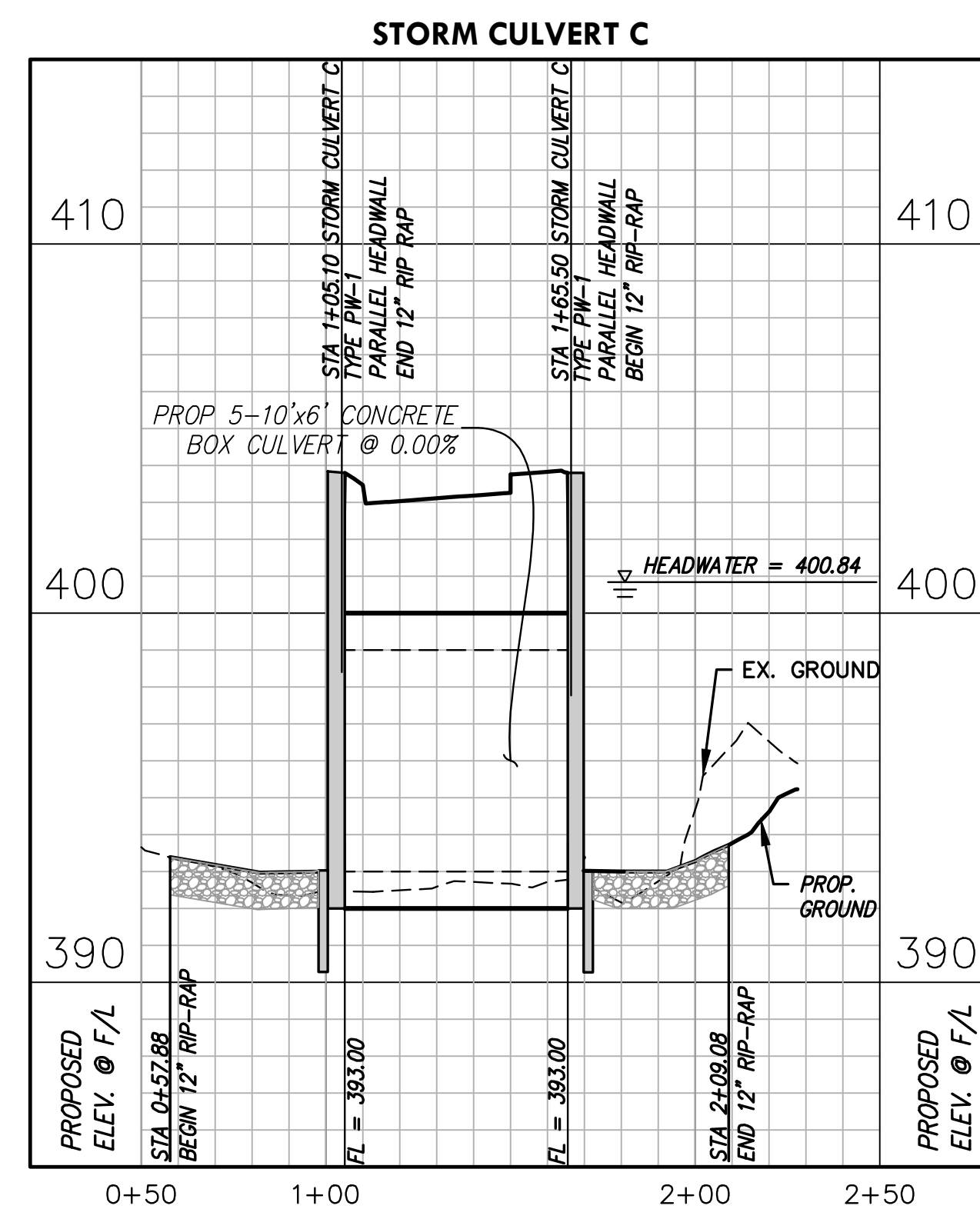
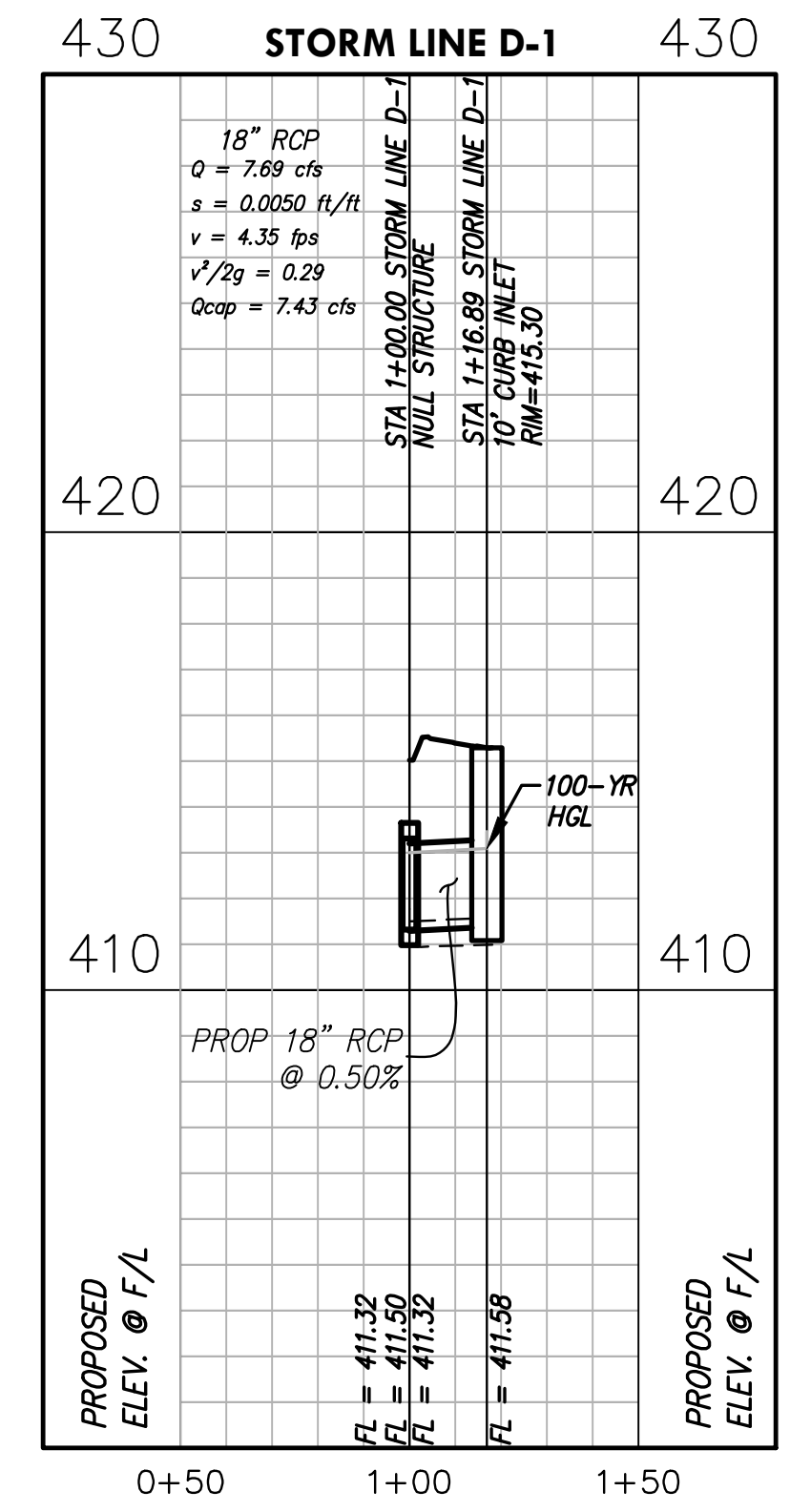
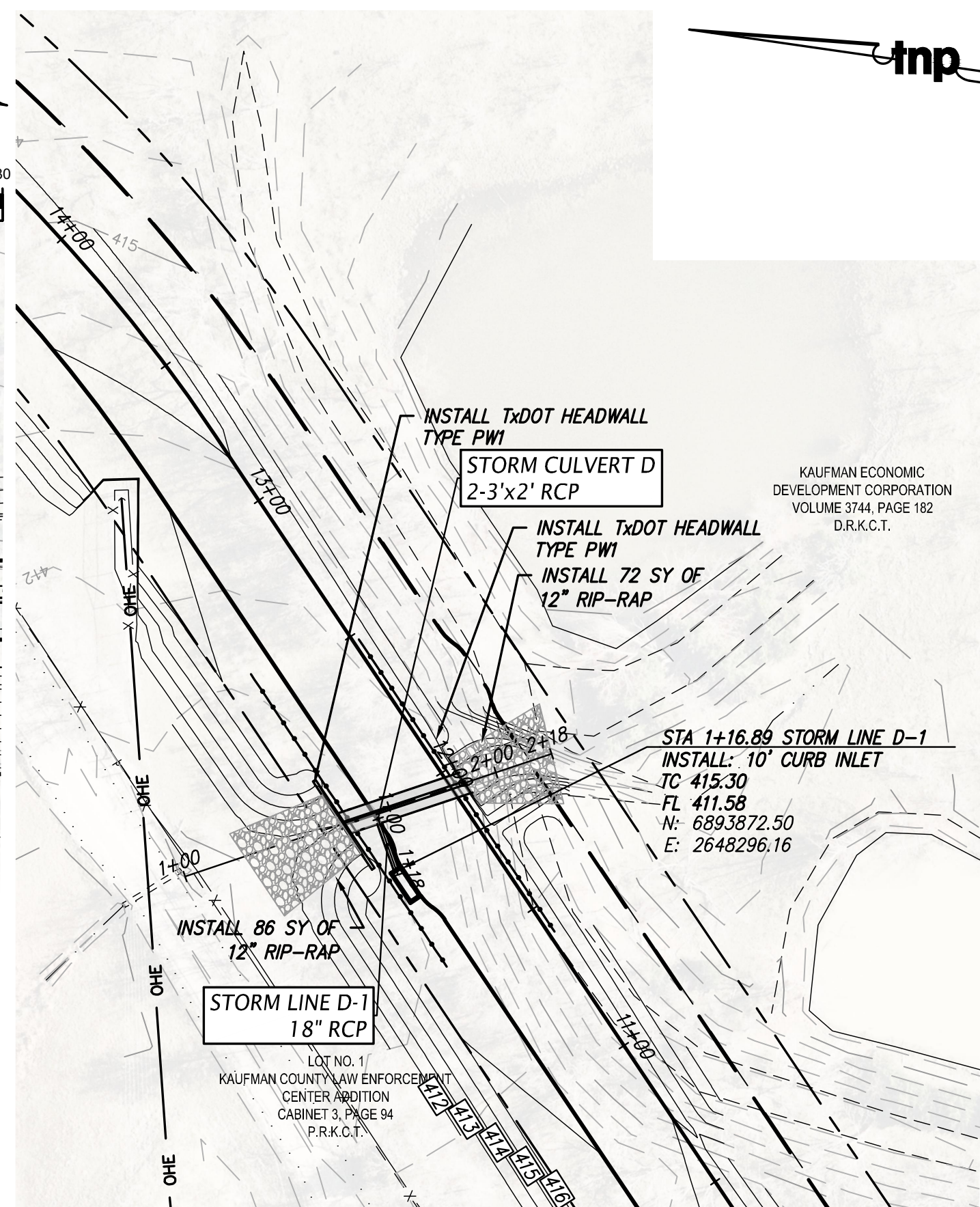
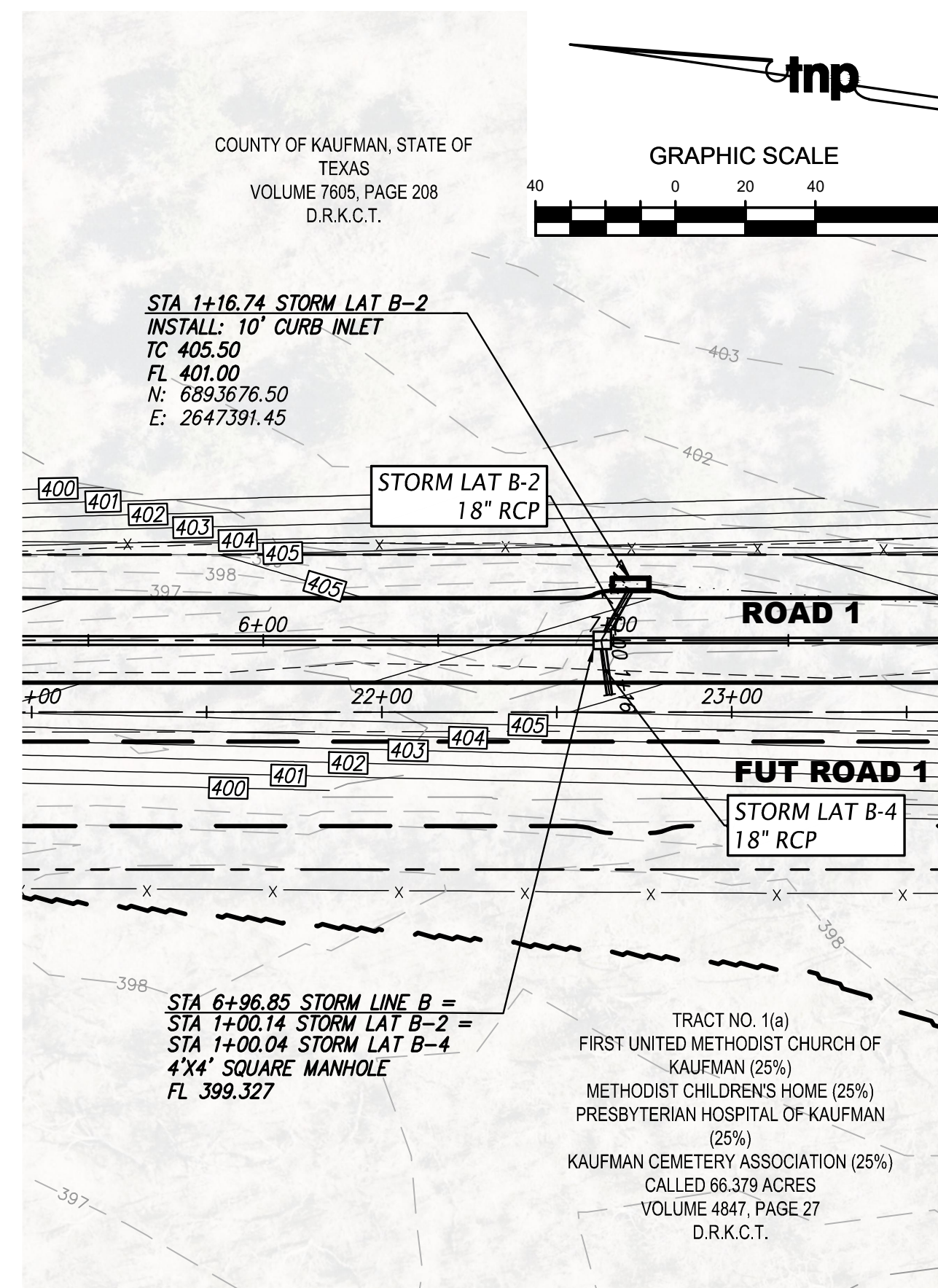
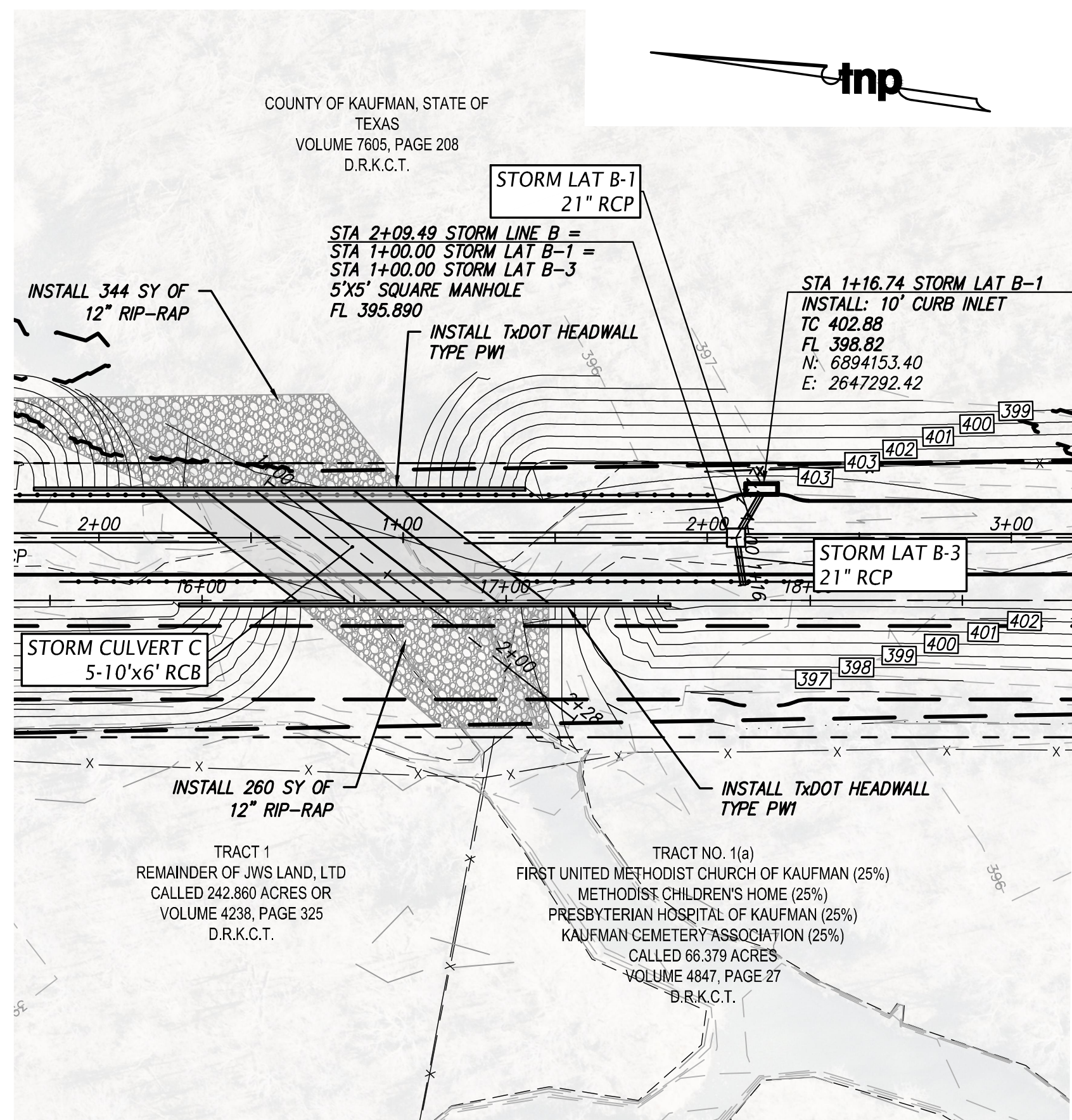


scale
when bar is
1 inch long
horiz
1"=40'
vert
1"=4'
NOV 2023

KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
STORM DRAIN PLAN & PROFILE -
STORM LINE B

tnp project
KFM22494
sheet
33
of
38

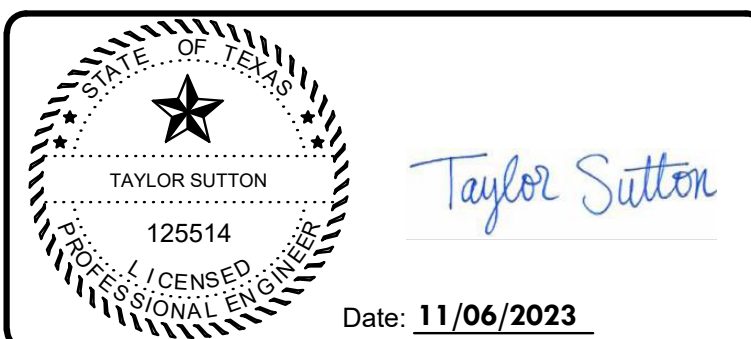


Drawing: T:\Projects\175\22494\Eng\CADD\Sheet\Storm\Storm Line Plan & Profile.dwg at Nov 08, 2022 2:39pm by plowmssand

no.	revision	by	date



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 GBPE: PEF007431; TBAE: BR 2673



scale
 when bar is
 1 inch long
 horiz
 1"=40'
 vert
 1"=4'
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
STORM DRAIN PLAN & PROFILE -
LAT B1 & B2, CULVERT C & D

tnp project
KFM22494
 sheet
34
 of
38

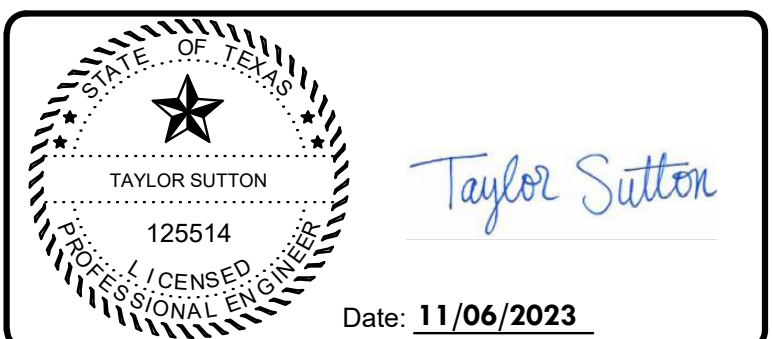
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System ID	Conduit Properties										Incremental Drainage Area										HGL										Headloss Calculations											
	Collection Point Station	Distance	# of Barrels	Selected	Conduit Material	Conduit	Wetted	Hydraulic	Manning's	Flowline	Flowline	Pipe	Inlet	Drainage	"C"	Run-off	Incremental	Accumulated	Upstream	Design Storm	Intensity	Storm Water	Pipe Capacity	Partial	Partial	Velocity	Time in	Friction	Friction	Elevation		V1^2/2g		V2^2/2g		Junction Type	Coefficient	HeadLoss	Design	Top of Curb	Pipe Cover	HGL Depth
	Upstream Station	Downstream Station	Between Points	Pipe Size (in)	Type	Area of Flow (ft^2)	Perimeter (ft)	Radius (ft)	n value	Elevation (ft)	Elevation (ft)	Slope S (ft/ft)	ID	Area "A" (Acres)	Factor	Coefficient "C"	"CA"	"CA"	Tc	Frequency (years)	"1100" (in/hr)	Runoff Q (cfs)	Q(cap) cfs	Flow (YES/NO)	Flow (YES/NO)	In Sewer (ft/s)	Conduit (min)	Slope SF (ft/ft)	Head Loss (ft)	Elevation Upstream	Elevation Downstream	V1^2/2g	V2^2/2g	Junction Type	Kj	HL	HGL	Elevation	Upstream	Below T/C		
LINE A	3+09.14	1+61.42	147.72	1	36	RCP	7.07	9.42	0.750	0.013	394.99	394.25	0.0050	0.00	1.00	0.00	0.00	1.36	10.00	100	9.31	12.62	47.30	NO	NO	1.79	1.38	0.00036	0.053	400.89	400.84	0.05	0.05	DEFLECTION	0.00	0.00	400.89	403.42	5.43	2.53		
	4+36.26	3+09.14	127.12	1	36	RCP	7.07	9.42	0.750	0.013	395.62	394.99	0.0050	0.00	1.00	0.00	0.00	1.36	10.00	100	9.31	12.62	47.27	NO	NO	1.79	1.19	0.00036	0.045	400.94	400.89	0.16	0.05	60 WYE	0.60	0.03	400.97	402.79	4.17	1.82		
	4+71.45	4+36.26	35.19	1	27	RCP	3.98	7.07	0.563	0.013	398.07	396.37	0.0482	A1	2.51	1.00	0.54	1.36	10.00	100	9.31	12.62	68.17	NO	NO	3.18	0.18	0.00165	0.058	401.03	400.97	0.00	0.16	CURB INLET, RADIAL PIPE	1.25	0.20	401.22	403.05	2.73	1.83		
LINE B	2+09.49	1+20.19	89.30	1	42	RCP	9.62	11.00	0.875	0.013	395.89	394.33	0.0174	B1	0.76	1.00	0.77	0.58	1.39	10.00	100	9.31	12.93	133.21	NO	NO	1.34	1.11	0.00016	0.015	400.85	400.84	0.39	0.03	5'x5' JUNCTION BOX	0.75	0.02	400.88	402.58	3.19	1.70	
	6+96.85	2+09.49	487.36	1	30	RCP	4.91	7.85	0.625	0.013	399.33	396.89	0.0050	B2	0.48	1.00	0.76	0.37	0.81	10.00	100	9.31	7.49	29.08	YES	YES	5.04	1.61	0.00033	0.162	401.04	400.88	0.29	0.39	4'x4' JUNCTION BOX	0.75	0.30	401.33	405.16	3.33	3.83	
	10+88.43	6+96.85	391.58	1	18	RCP	1.77	4.71	0.375	0.013	402.29	400.33	0.0050	0	0.00	1.00	0.00	0.00	0.44	10.00	100	9.31	4.08	7.45	YES	YES	4.34	1.50	0.00150	0.587	403.07	401.33	0.29	0.29	4'x4' JUNCTION BOX	0.75	0.22	403.28	407.51	3.72	4.23	
	11+58.56	10+88.43	70.13	1	18	RCP	1.77	4.71	0.375	0.013	402.64	402.29	0.0050	0	0.00	1.00	0.00	0.00	0.44	10.00	100	9.31	4.08	7.45	YES	YES	4.34	0.27	0.00150	0.105	403.42	403.28	0.29	0.29	60 WYE	0.60	0.18	403.59	407.72	3.58	4.13	
	11+72.70	11+58.56	14.14	1	18	RCP	1.77	4.71	0.375	0.013	402.71	402.64	0.0050	0	0.00	1.00	0.00	0.00	0.44	10.00	100	9.31	4.08	7.41	YES	YES	4.32	0.05	0.00150	0.021	403.61	403.59	0.67	0.29	BEND	0.43	0.12	403.74	408.57	4.36	4.83	
	11+89.15	11+72.70	16.45	1	18	RCP	1.77	4.71	0.375	0.013	402.97	402.71	0.0157	B3	0.62	1.00	0.71	0.44	0.44	10.00	100	9.31	4.08	13.21	YES	YES	6.58	0.04	0.00150	0.025	403.76	403.74	0.00	0.67	CURB INLET	1.25	0.84	404.60	408.98	4.52	4.38	
LAT B1	1+16.74	1+00.00	16.74	1	21	RCP	2.41	5.50	0.438	0.013	398.82	397.64	0.0703	B1	0.76	1.00	0.77	0.58	0.58	10.00	100	9.31	5.44	42.13	NO	NO	2.26	0.12	0.00117	0.020	400.90	400.88	0.00	0.08	CURB INLET	1.25	0.10	400.99	402.96	2.39	1.97	
LAT B2	1+16.74	1+00.14	16.60	1	18	RCP	1.77	4.71	0.375	0.013	401.01	400.33	0.0408	B2	0.48	1.00	0.77	0.37	0.37	10.00	100	9.31	3.43	21.29	YES	YES	8.91	0.03	0.00106	0.018	401.41	401.33	0.00	1.23	CURB INLET	1.25	1.54	402.95	405.51	3.00	2.55	
LINE D-1	1+16.89	1+00.00	16.89	1	18	RCP	1.77	4.71	0.375	0.013	411.58	411.50	0.0050	D1	1.08	1.00	0.76	0.83	0.83	10.00	100	9.31	7.69	7.43	NO	NO	4.35	0.06	0.00533	0.090	413.09	413.00	0.00	0.29	CURB INLET	1.25	0.37	413.46	415.60	2.51	2.14	

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 GBPE: PEF007431; TBAE: BR 2673

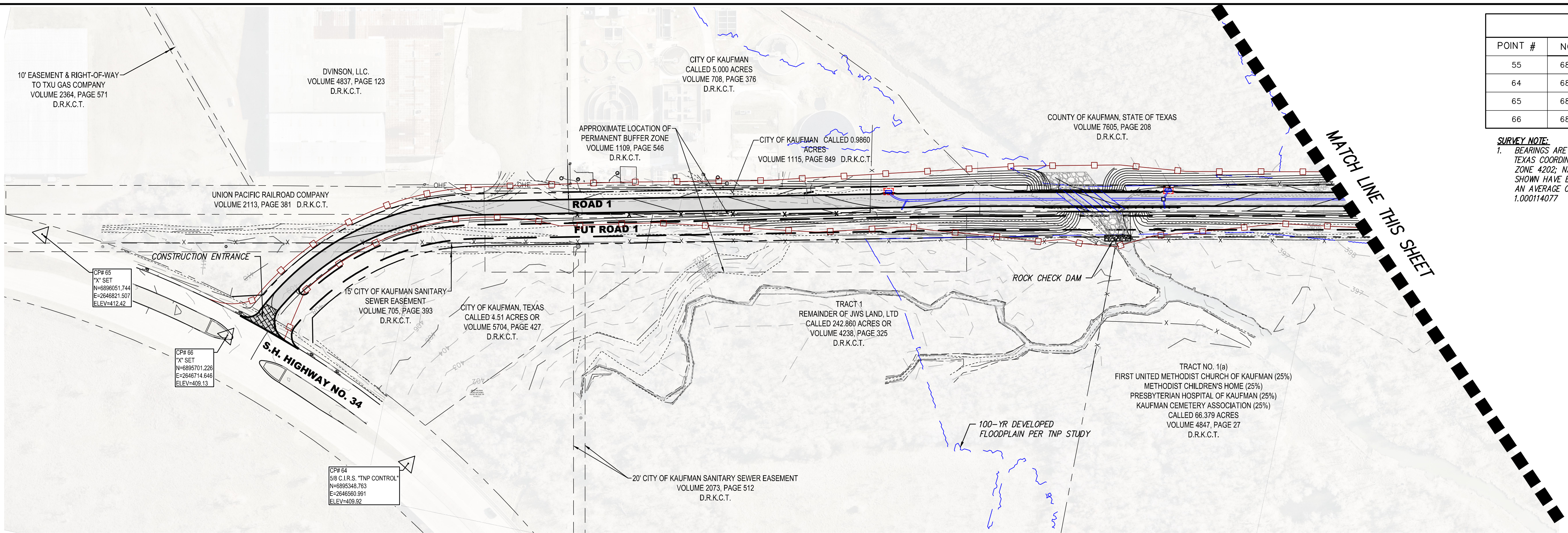


scale
 when bar is
 1 inch long
 horiz
 N/A
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

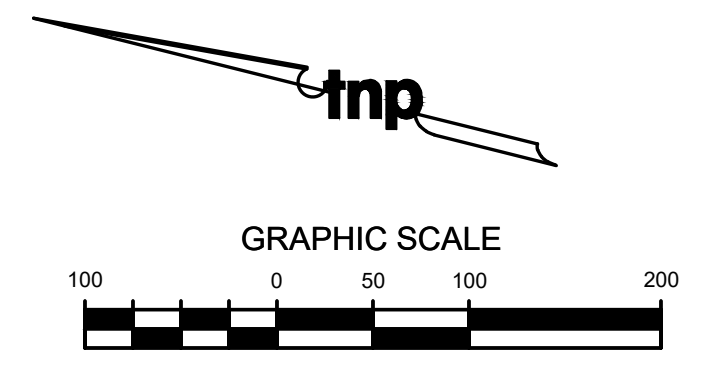
KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
STORM DRAIN CALCULATIONS

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KFM22494
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35
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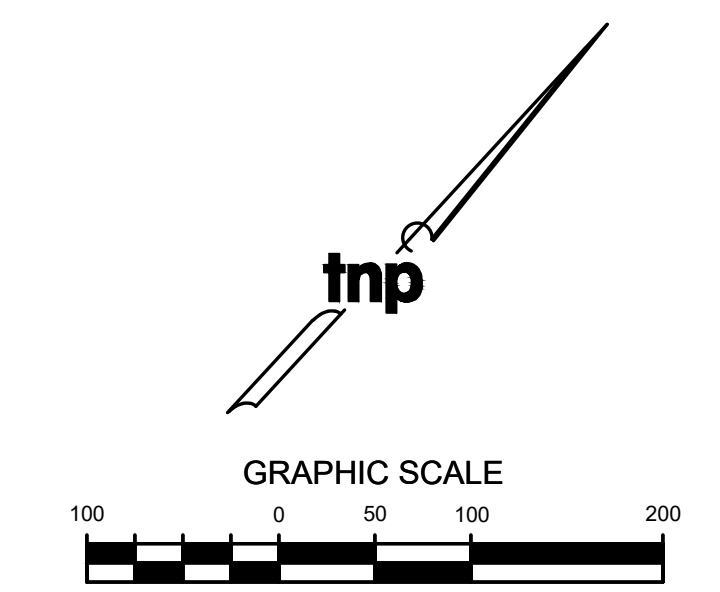
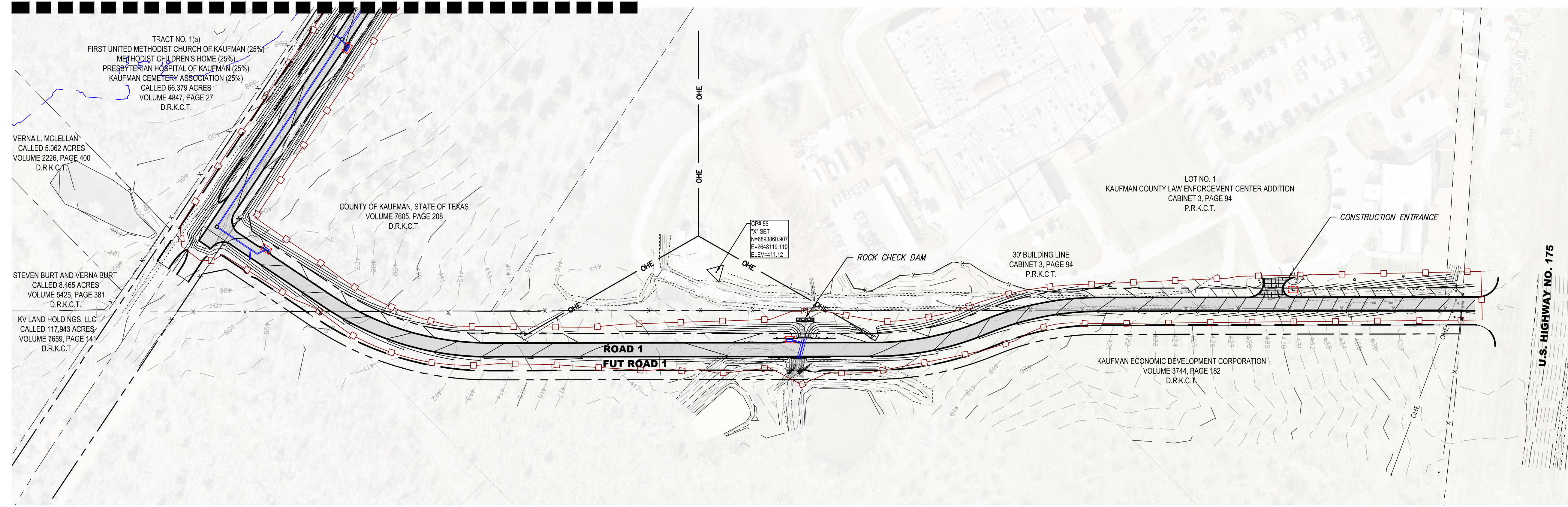
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POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
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64	6895348.763	2646560.991	5/8 C.I.R.S. TNP CONTROL	409.92
65	6895701.226	2646714.646	"X" SET	409.13
66	6896051.744	2646821.507	"X" SET	412.42

SURVEY NOTE:
 1. BEARINGS ARE REFERENCED TO GRID NORTH OF THE TEXAS COORDINATE SYSTEM OF 1983 (NORTH CENTRAL ZONE 4202; NAD83(2011) EPOCH 2010). DISTANCES SHOWN HAVE BEEN ADJUSTED TO SURFACE BY APPLYING AN AVERAGE COMBINATION SCALE FACTOR OF 1.000114077



LEGEND	
	INSTALL INLET PROTECTION
	PROPOSED STORM DRAIN PIPE
	PROPOSED CURB INLET
	PROP. 12" RIP-RAP
	PROP. SILT FENCE
	PROP. ROCK CHECK DAM
	PROP. CONSTRUCTION ENTRANCE

MATCH LINE THIS SHEET

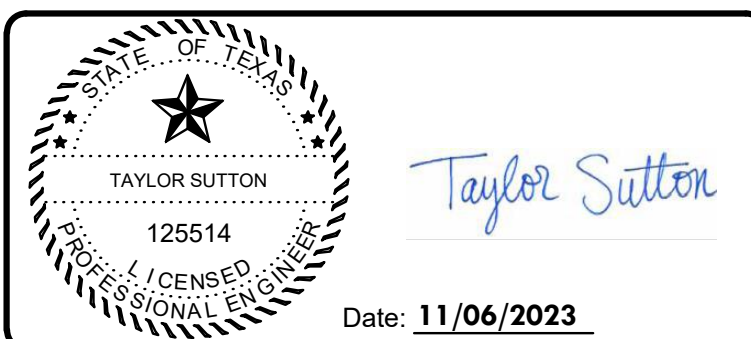


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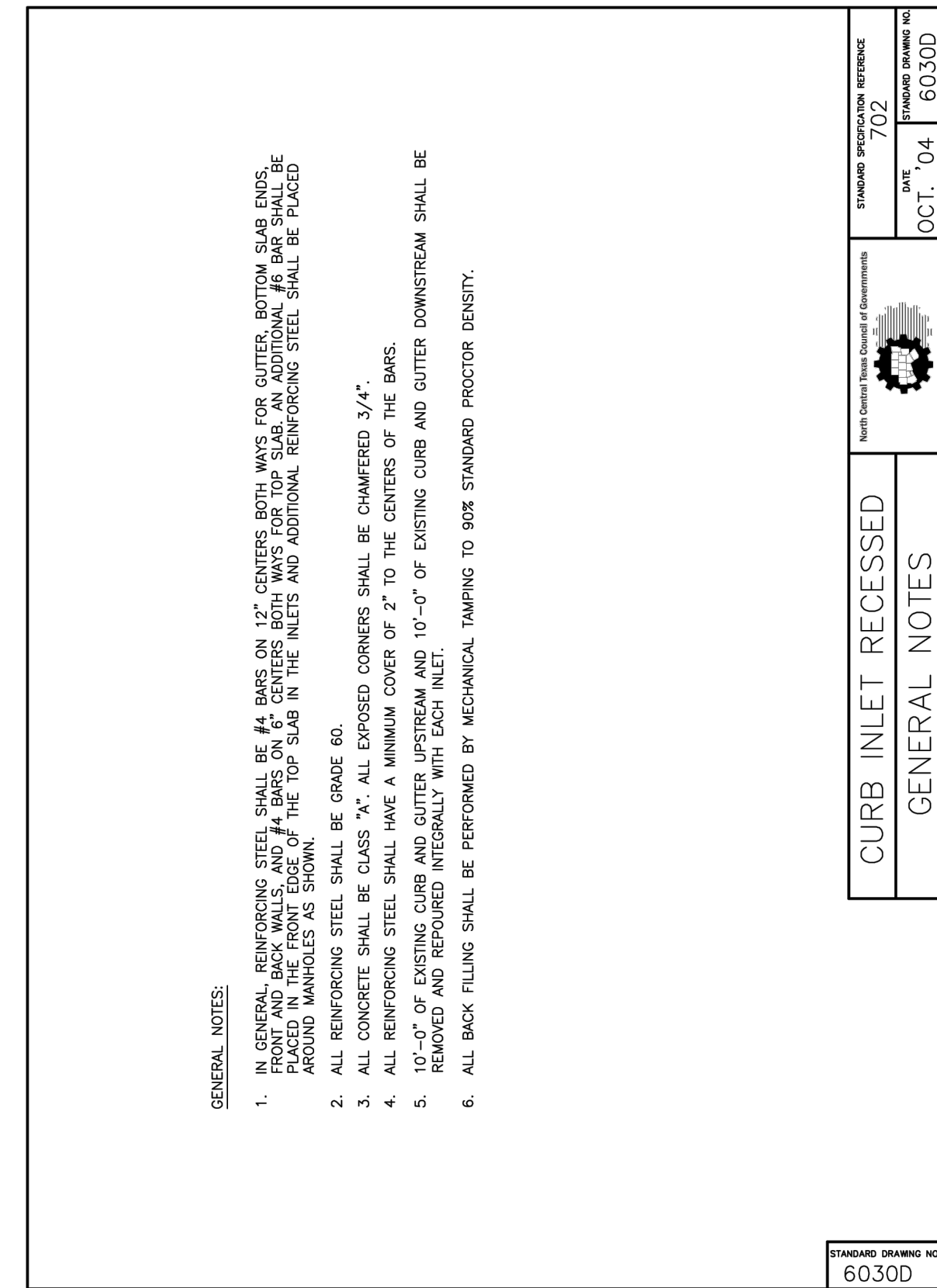
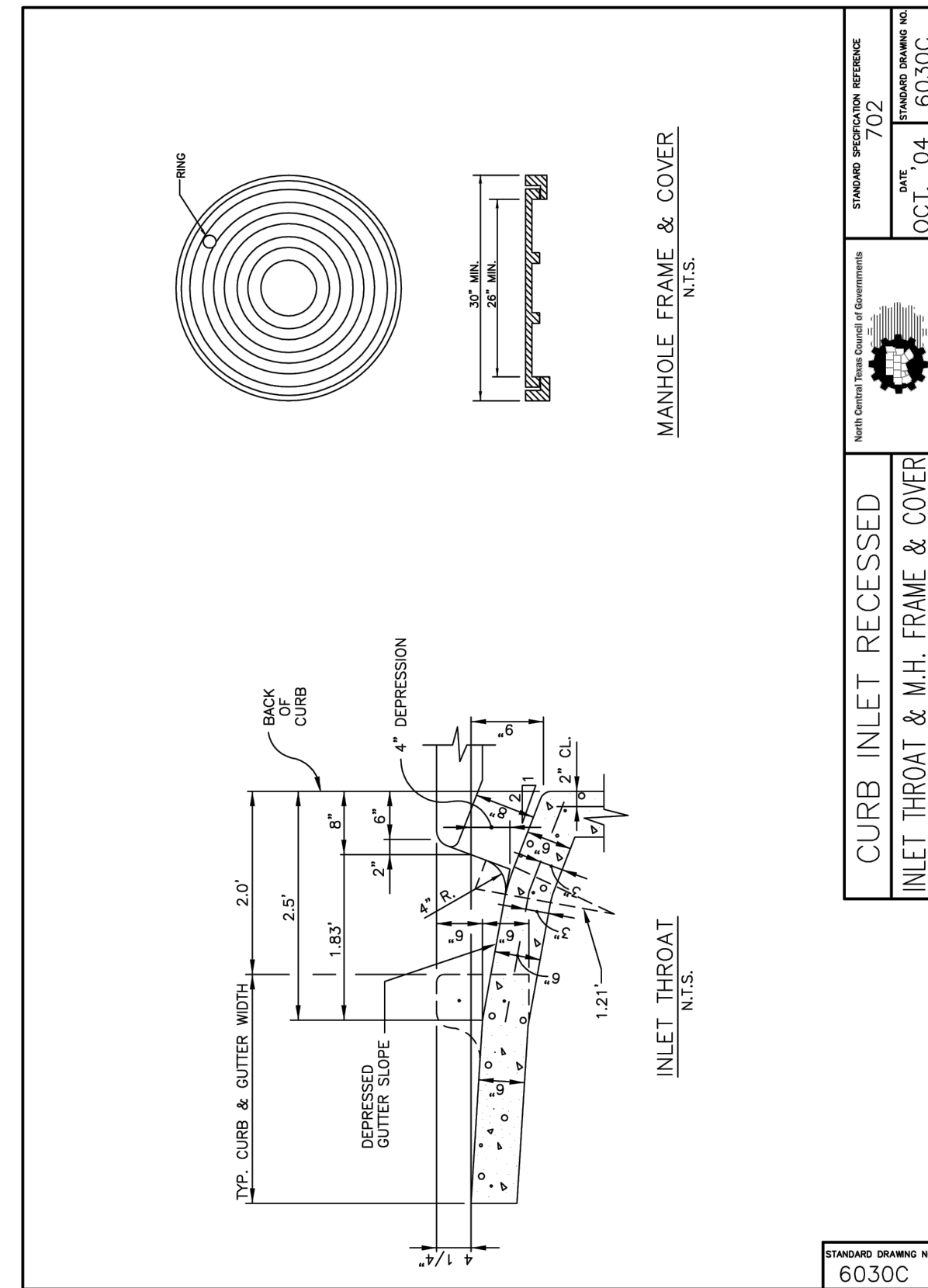
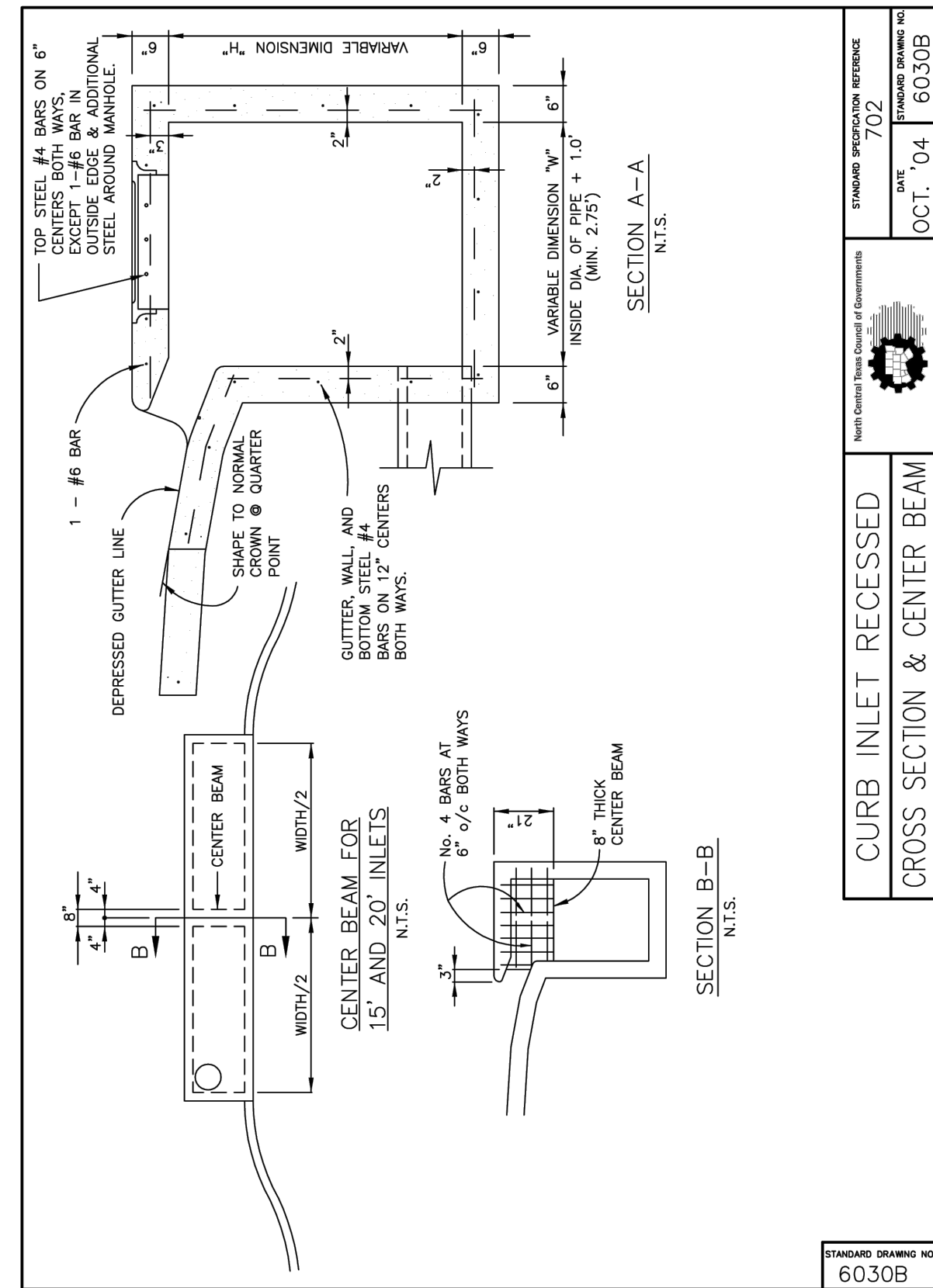
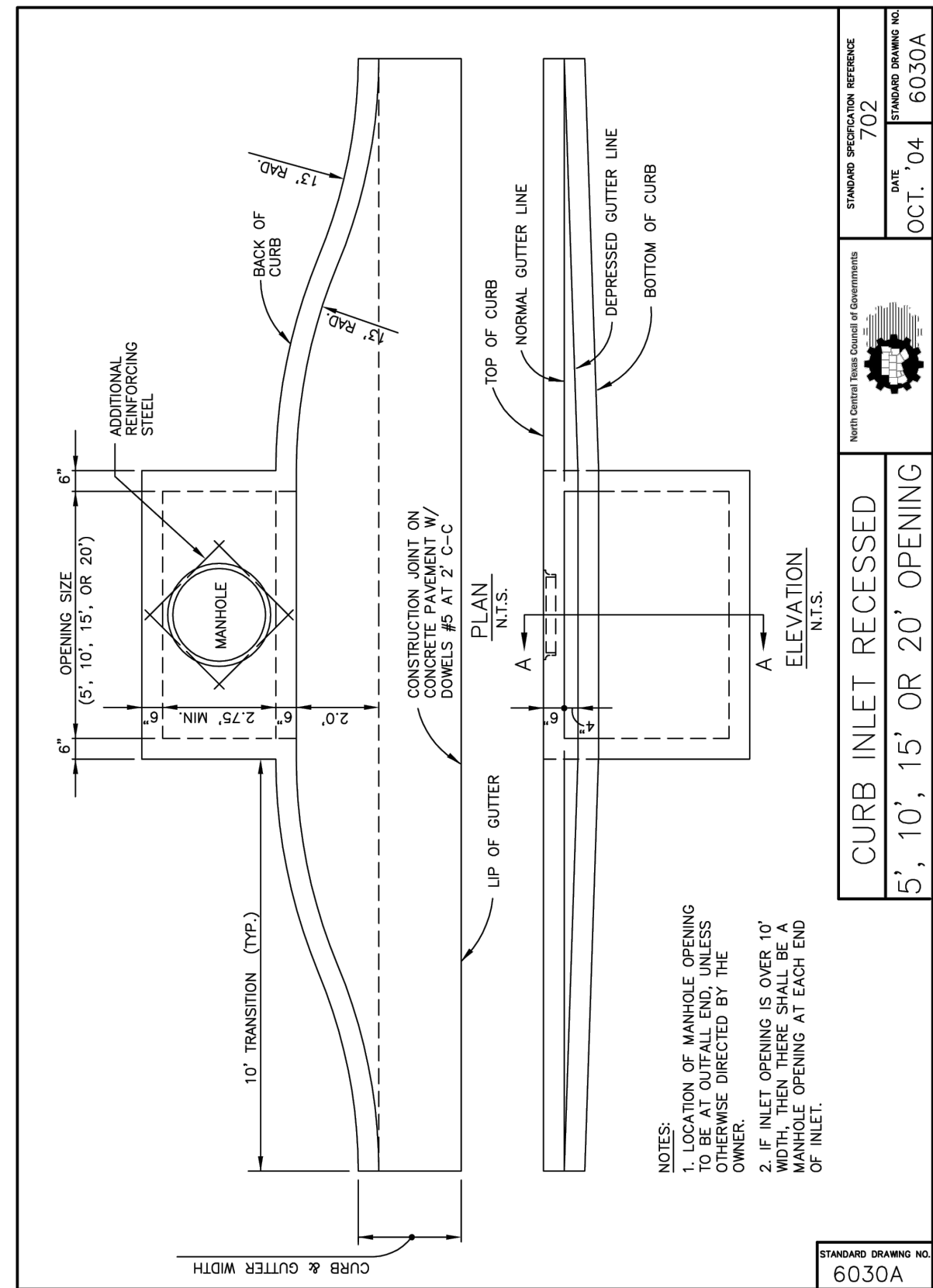
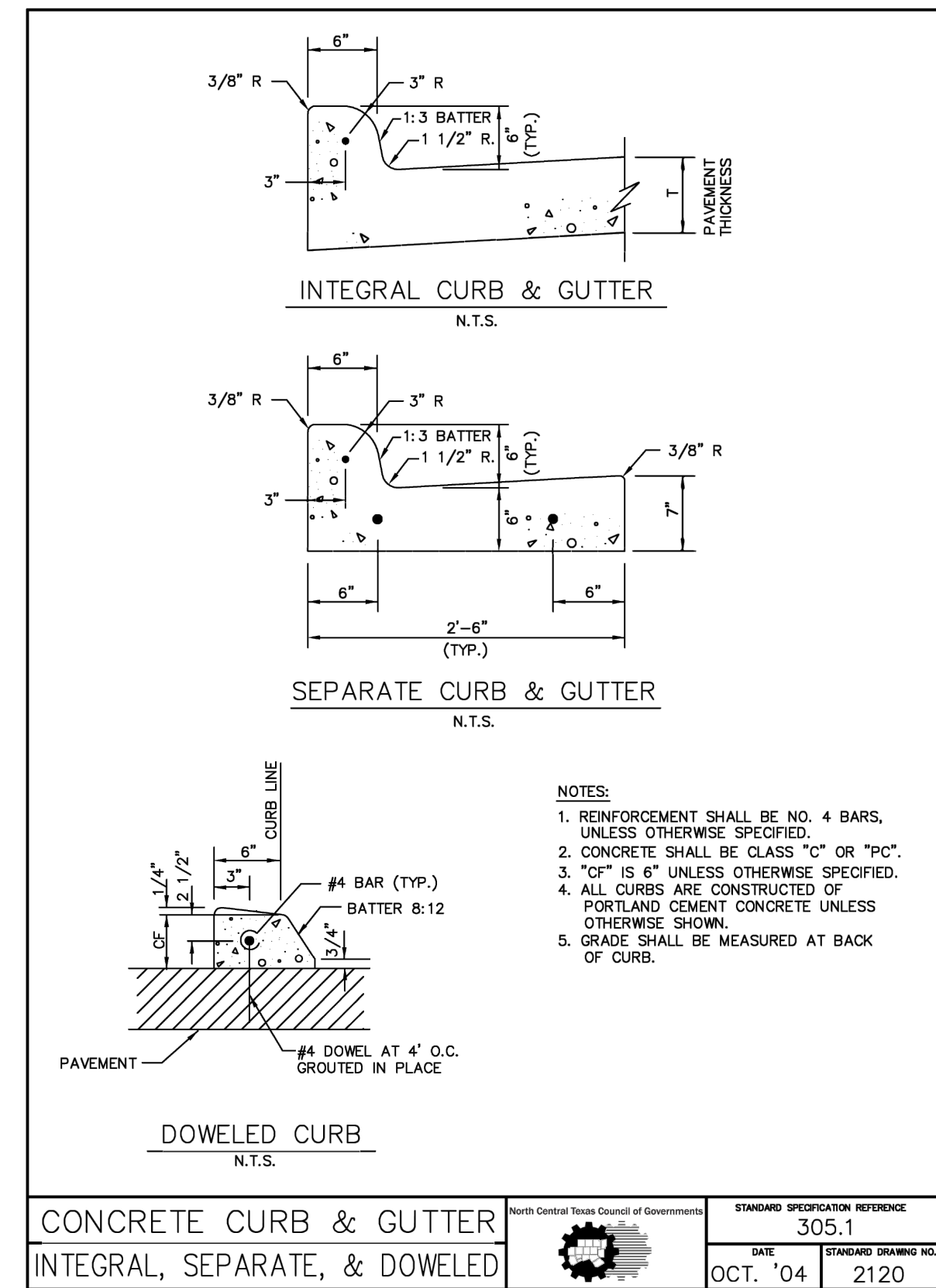
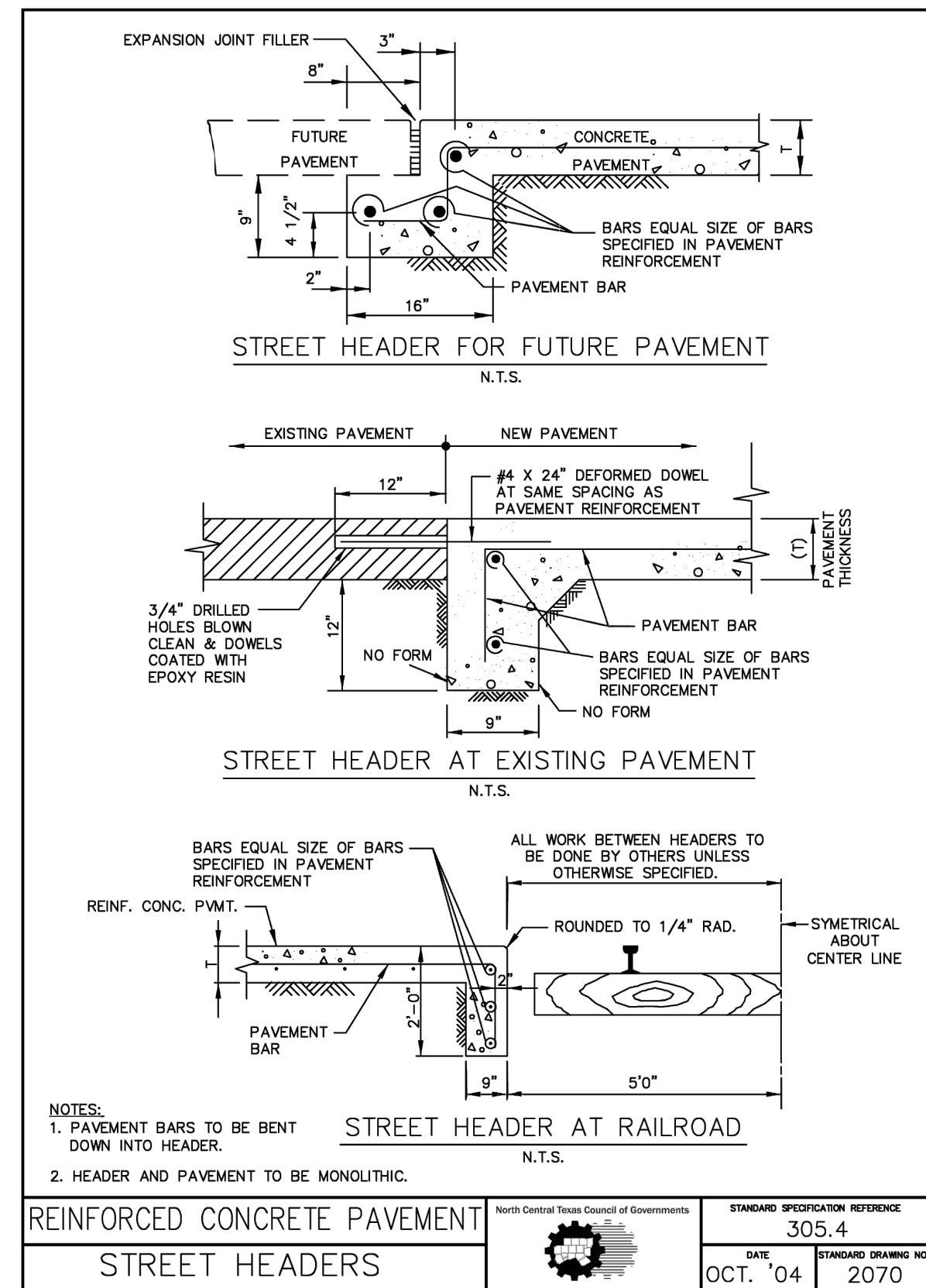
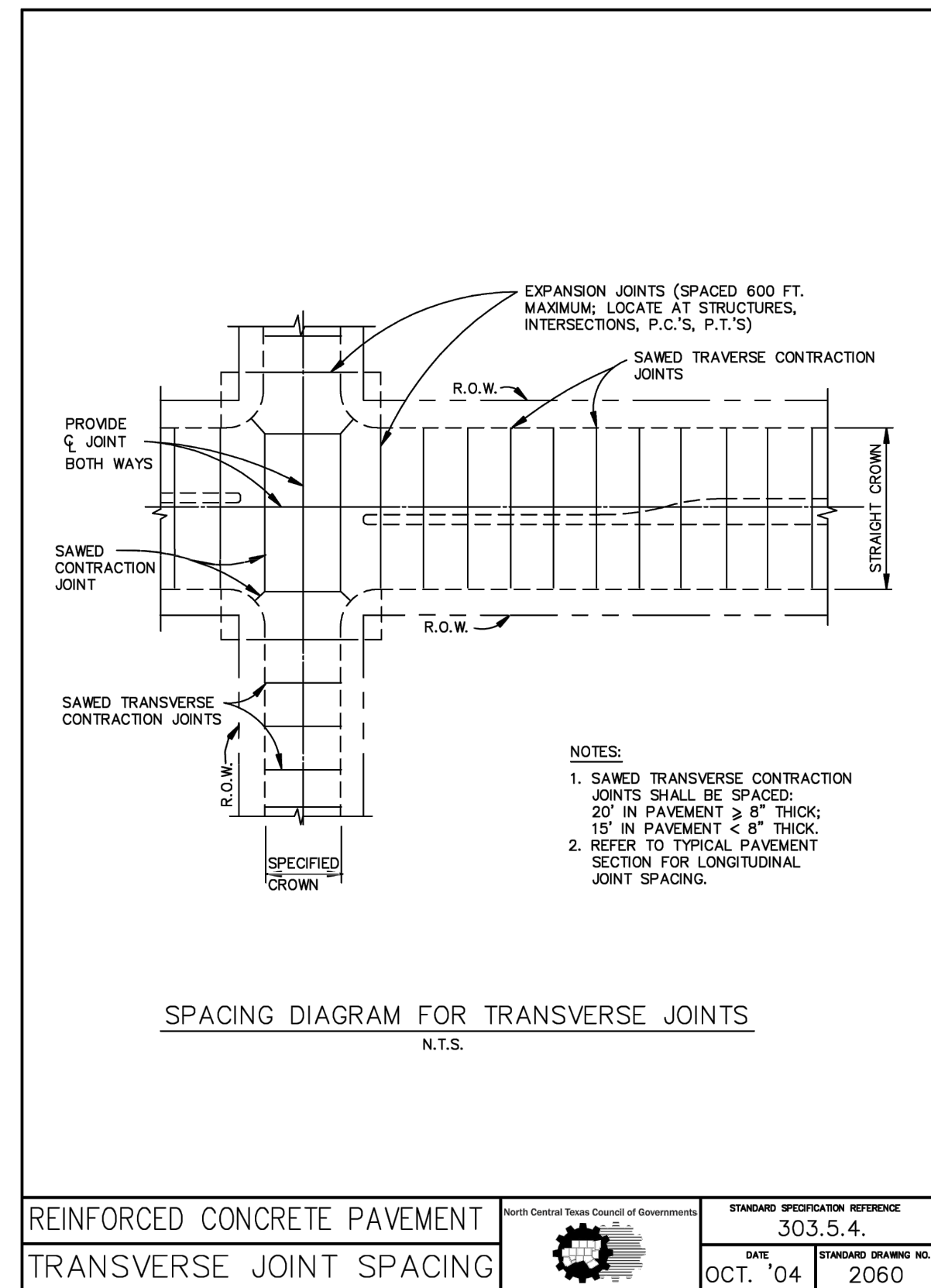
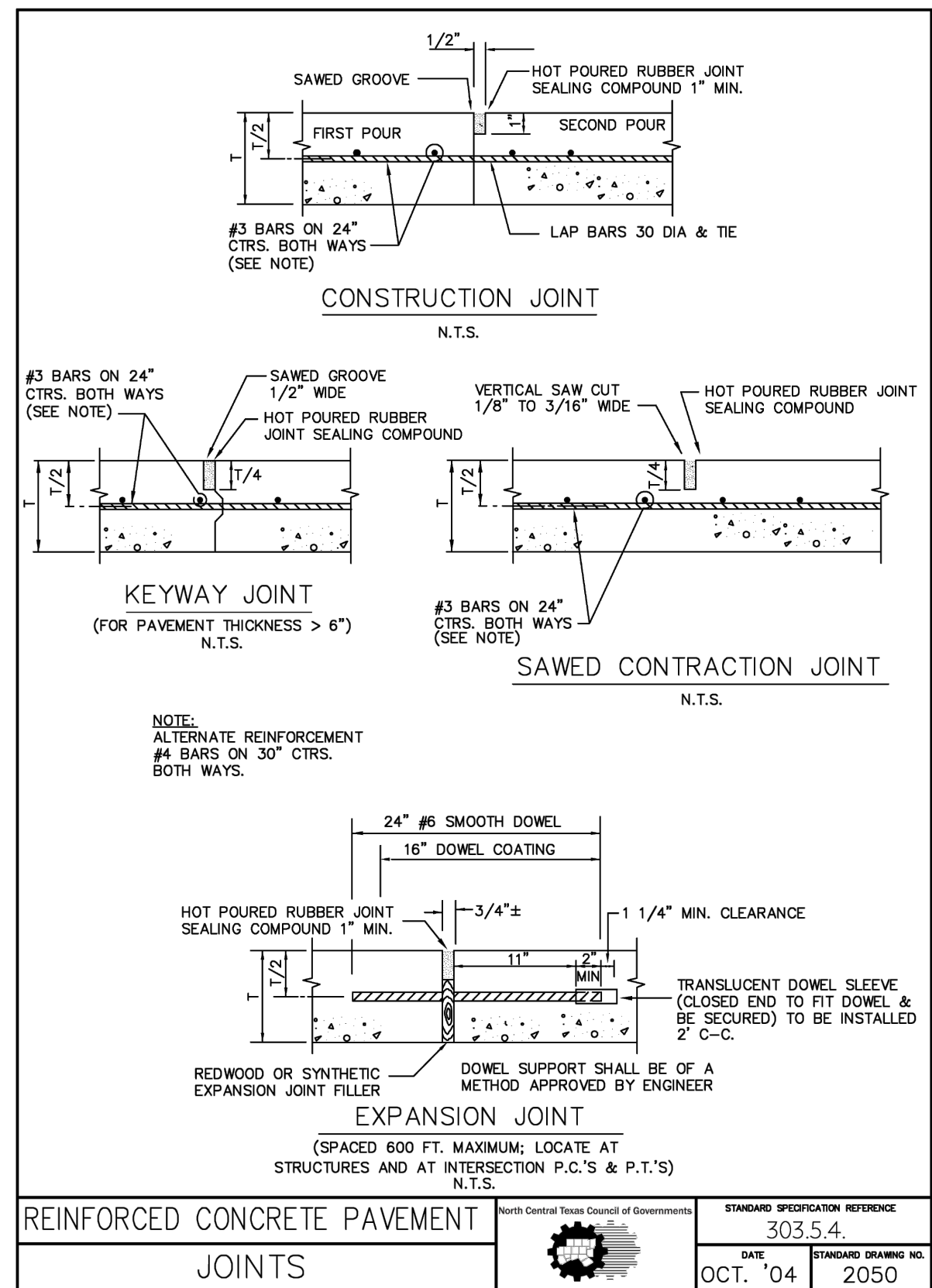


scale
 when bar is
 1 inch long
 horiz
 1"=100'
 vert
 N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
EROSION CONTROL PLAN

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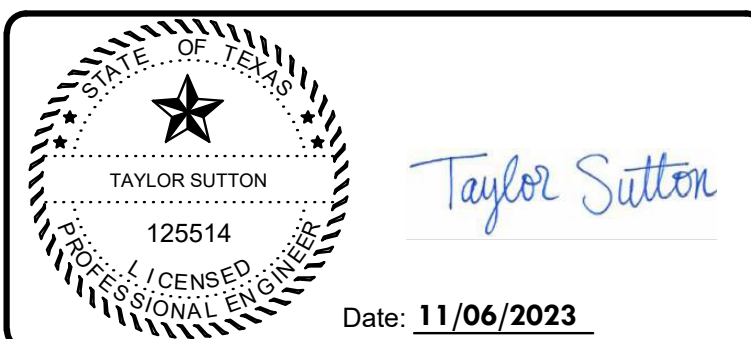


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GBPE: PEF007431; TBAE: BR 2673

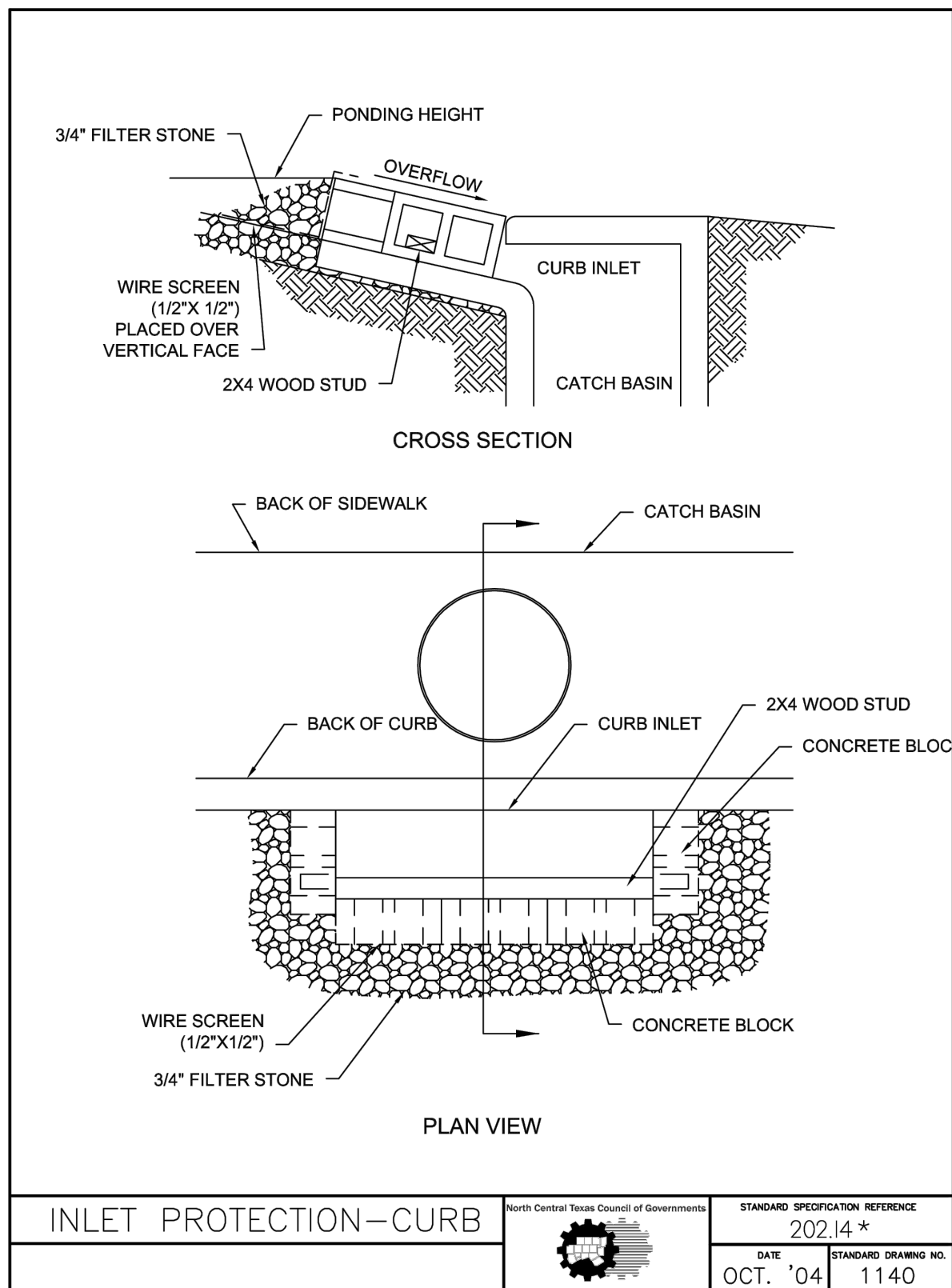


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horiz N/A
vert N/A
NOV 2023

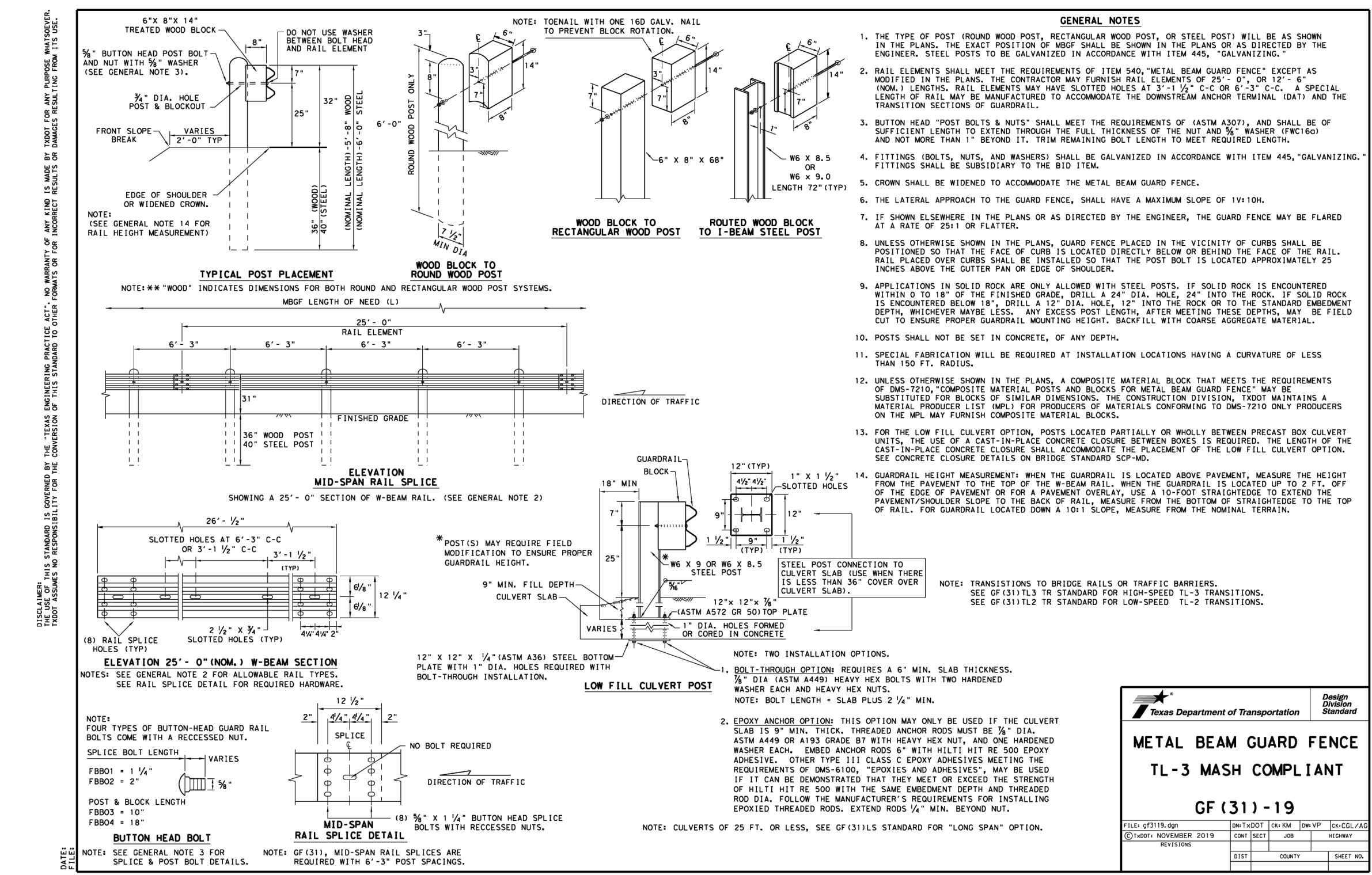
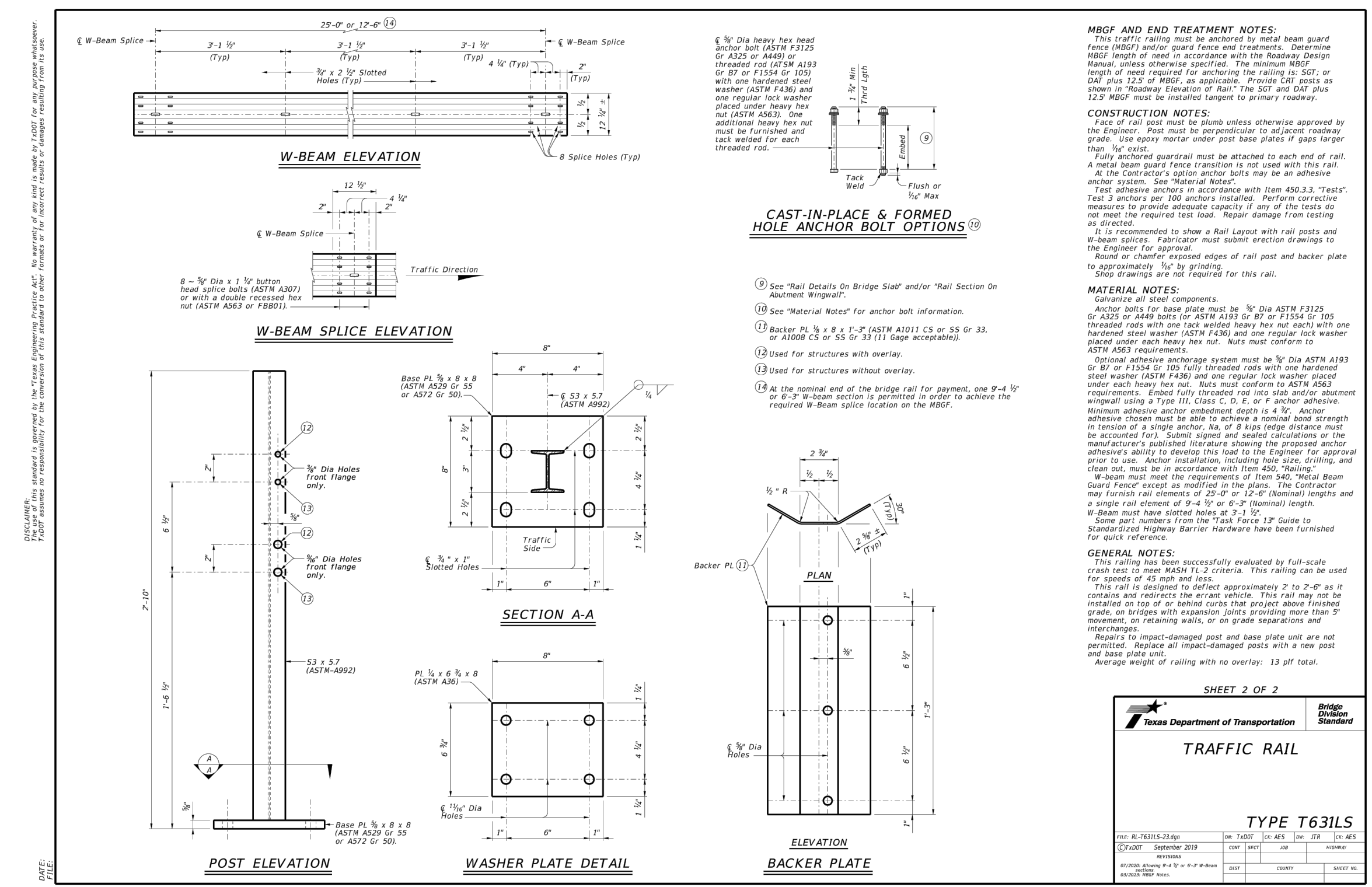
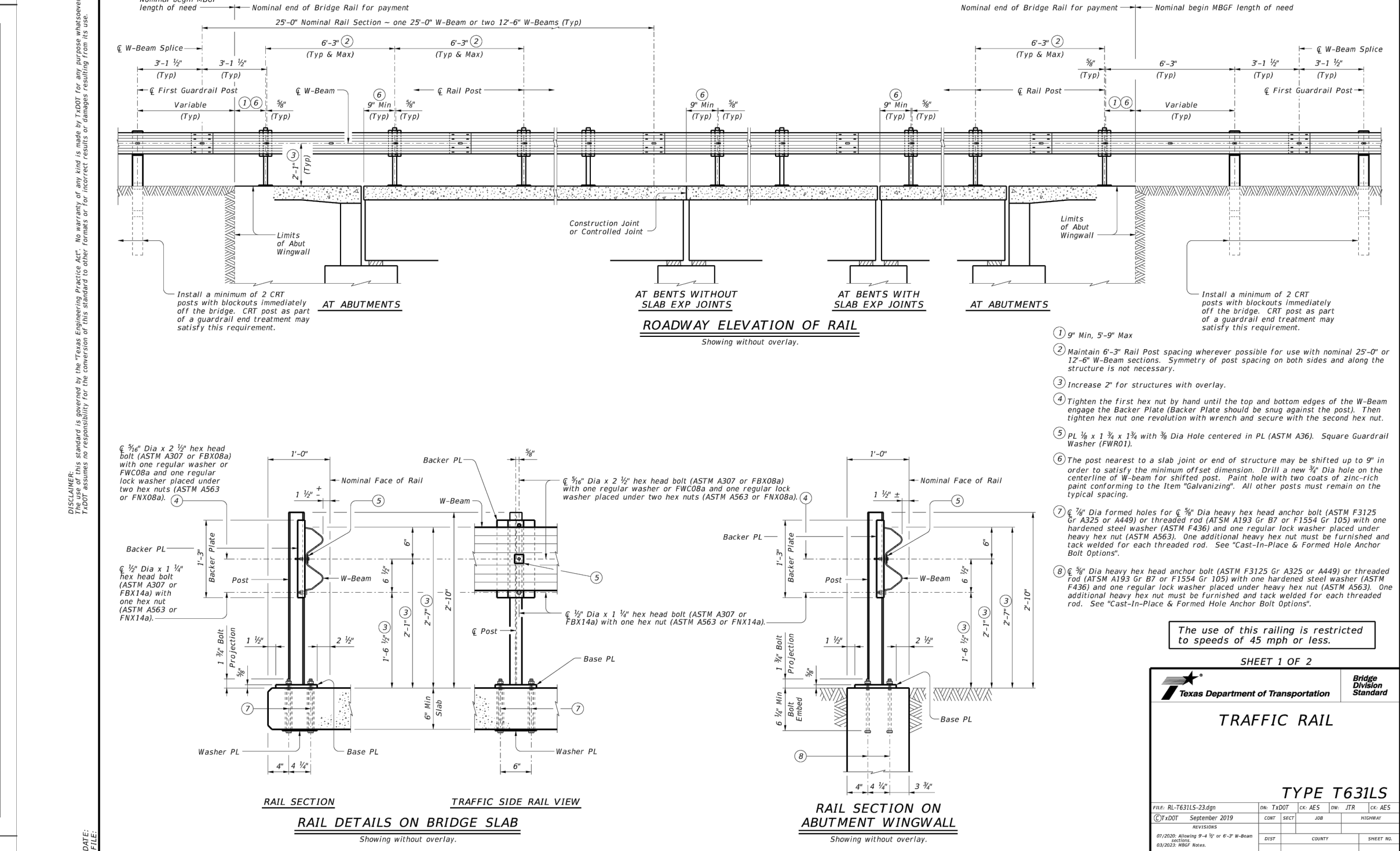
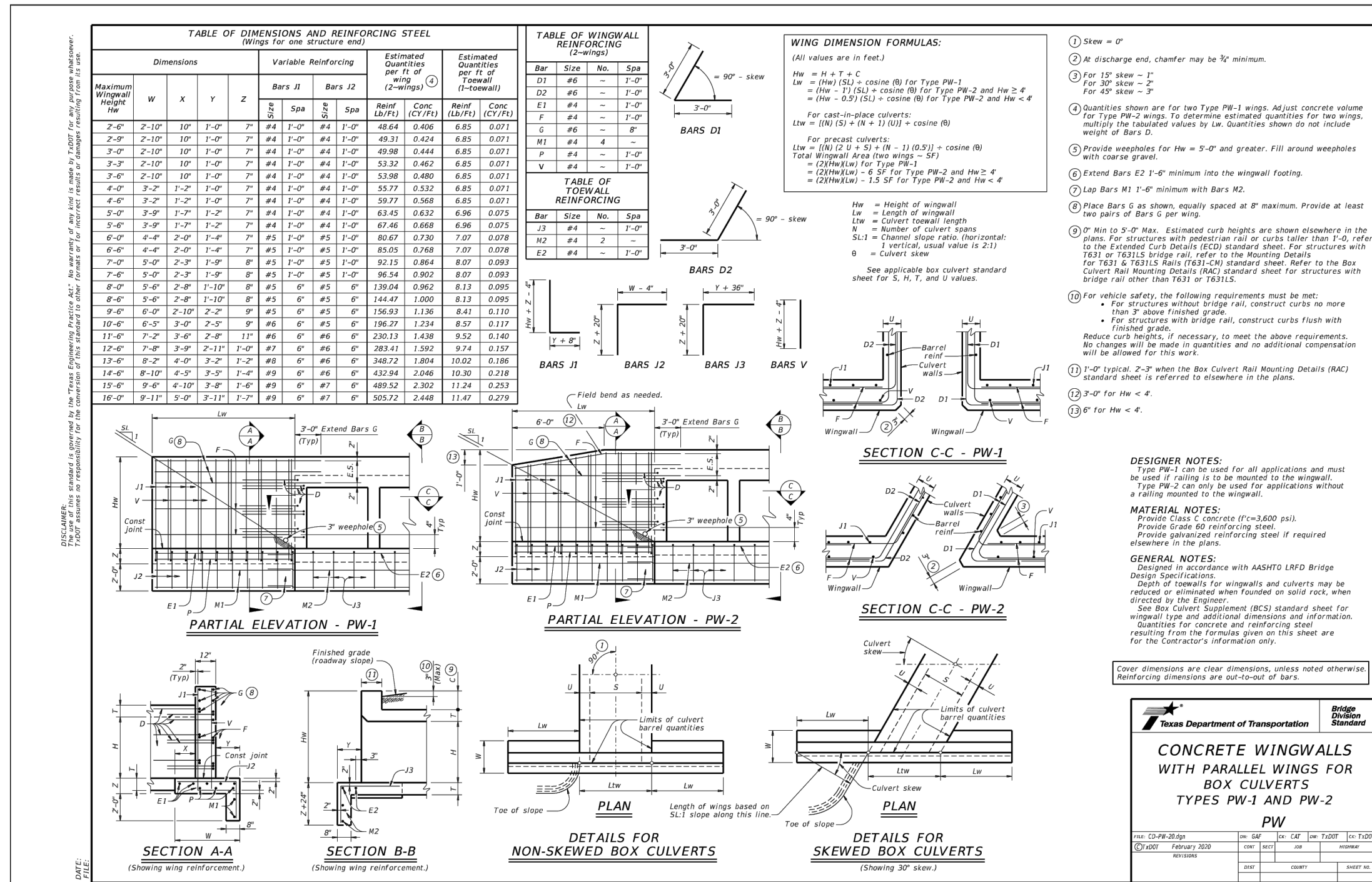
KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
CONSTRUCTION DETAILS (1 OF 3)

tnp project
KFM22494
sheet
37
of
38



*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

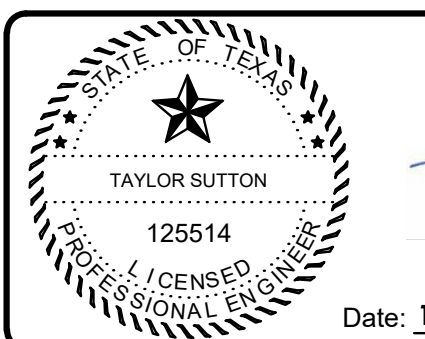


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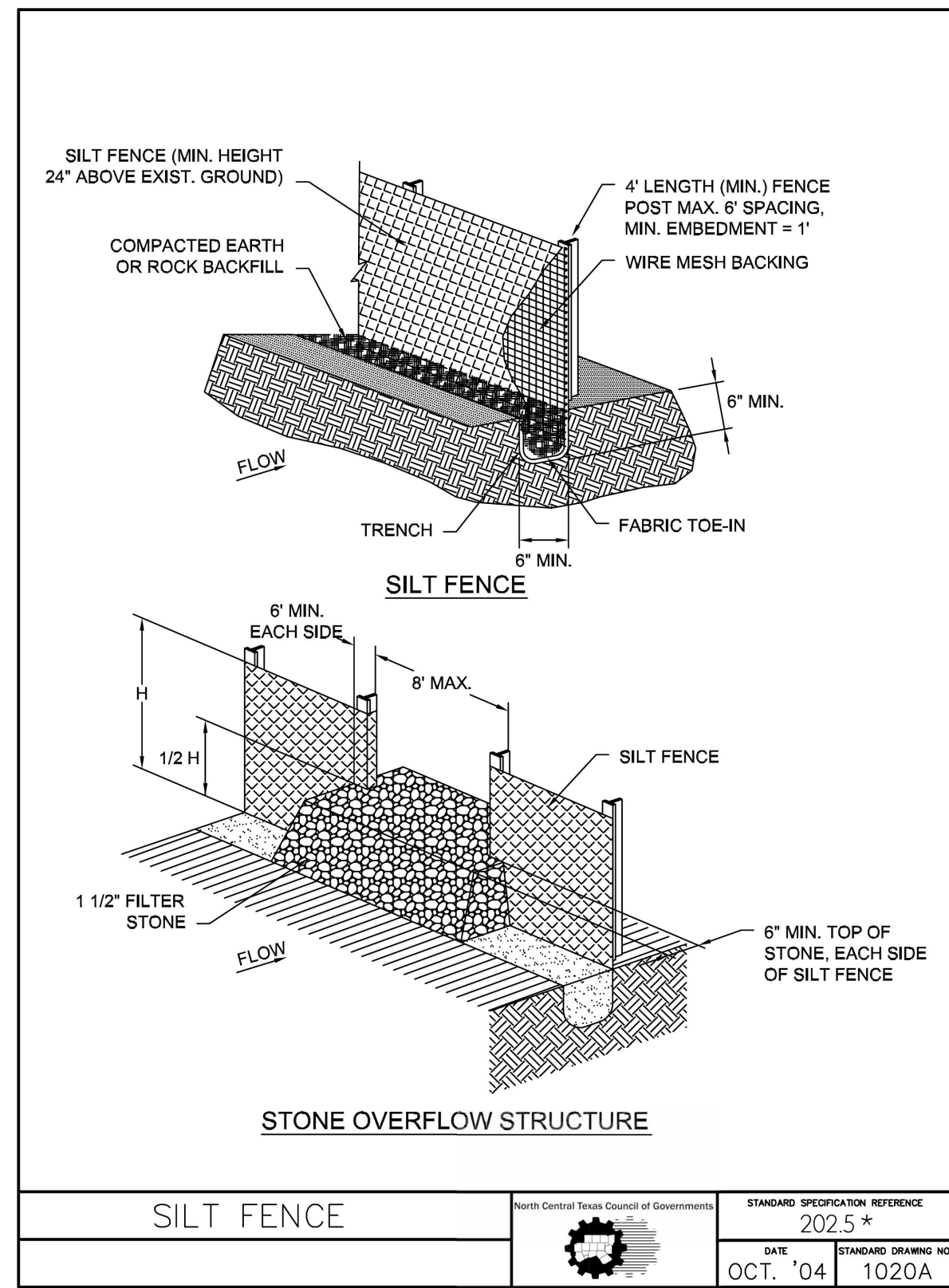


Taylor Sutton
 Date: 11/06/2023
 scale: when bar is 1 inch long
 horiz: N/A
 vert: N/A
 NOV 2023

KAUFMAN COUNTY
 1902 E. US HWY 175
 KAUFMAN, TX 75142
 PH: 469-376-4100

KAUFMAN, TEXAS
 Improvements for
US 175 - SH 34 CONNECTOR ROADS
CONSTRUCTION DETAILS (2 OF 3)

Inp project: KFM22494
 sheet: 38
 of: 38



SILT FENCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.5 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1020A

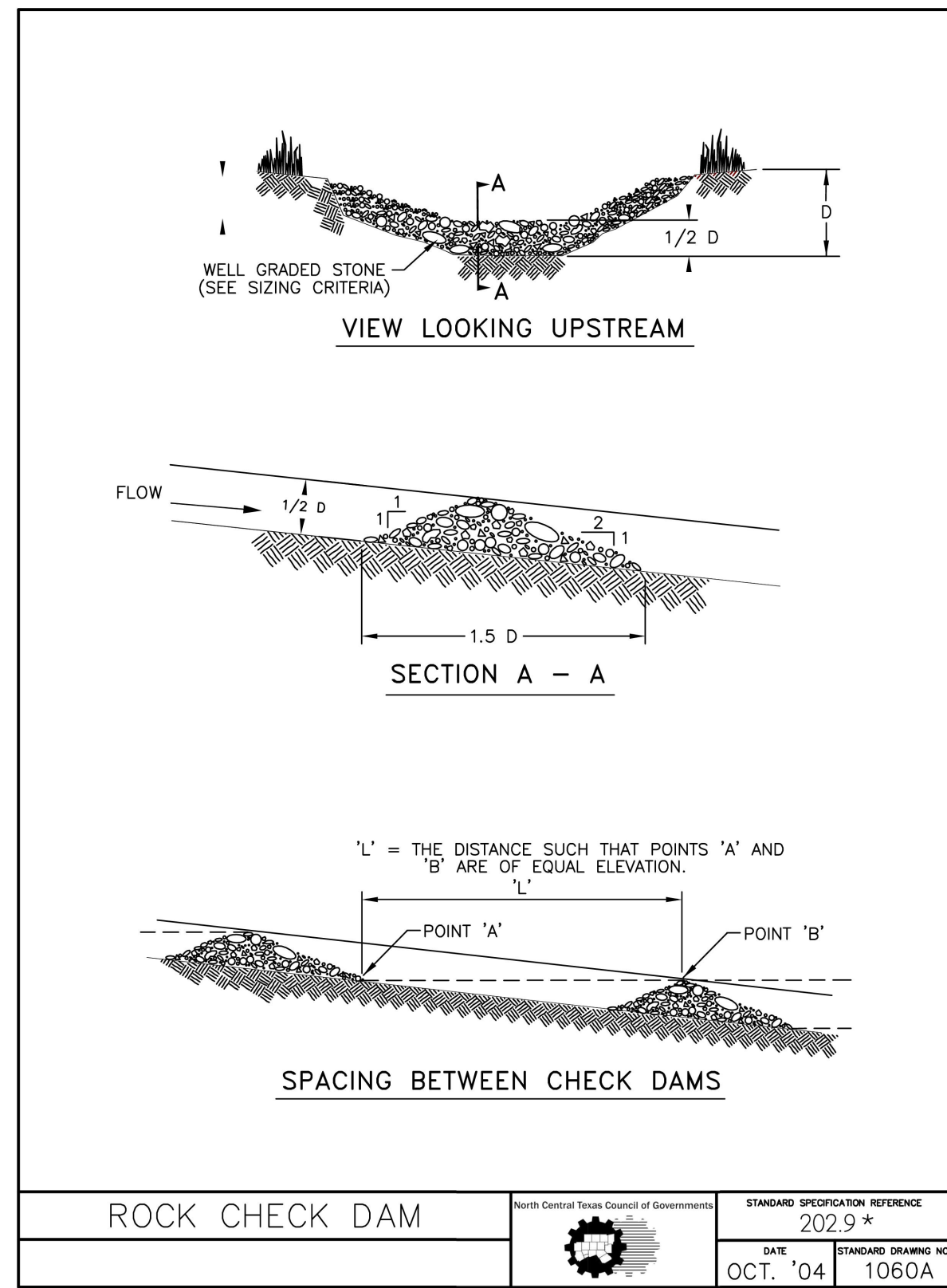
*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

SILT FENCE GENERAL NOTES:

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WIRE BACKING, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

SILT FENCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.5 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1020B

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.



ROCK CHECK DAM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.9 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1060A

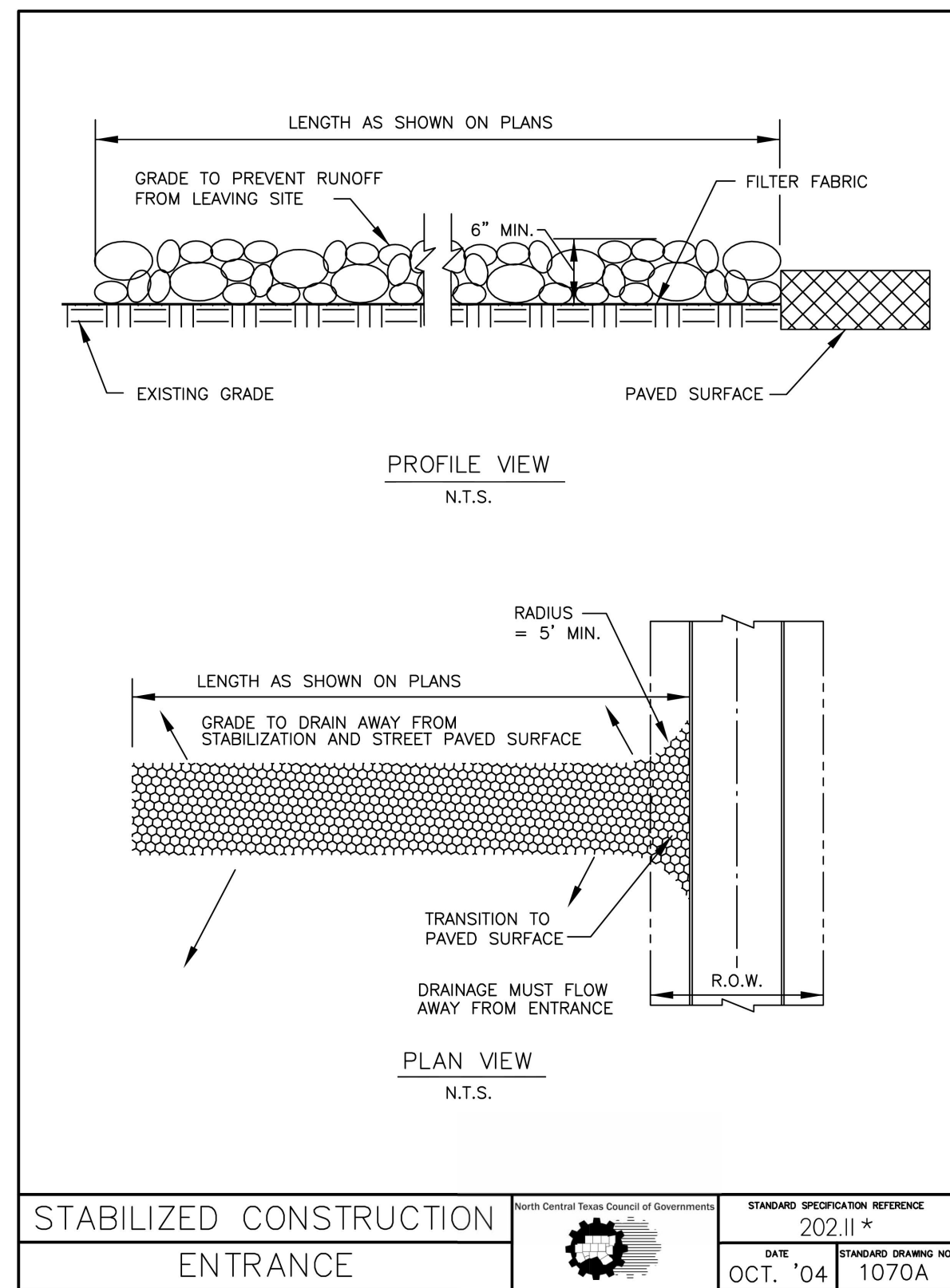
*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

ROCK CHECK DAM GENERAL NOTES:

1. STONE SHALL BE WELL GRADED WITH SIZE RANGE FROM 1 1/2 TO 3 1/2 INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.
2. THE CHECK DAM SHALL BE INSPECTED AS SPECIFIED IN THE SWPPP AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
3. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE CHECK DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
4. WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED, THE CHECK DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

ROCK CHECK DAM	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.9 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1060B

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.



STABILIZED CONSTRUCTION ENTRANCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.11 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1070A

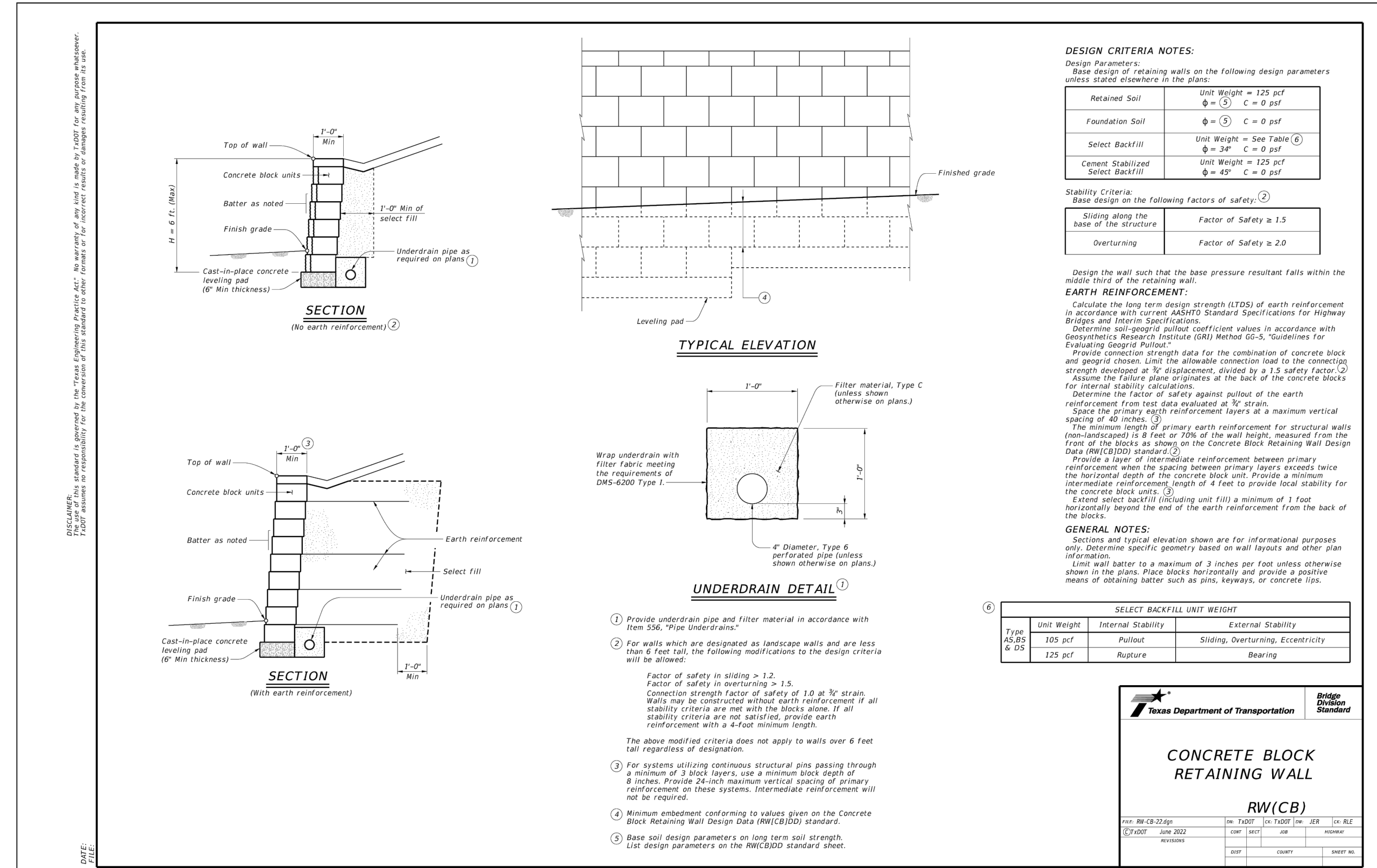
*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

1. STONE SHALL BE 3 TO 5 INCH DIAMETER COARSE AGGREGATE.
2. LENGTH SHALL BE AS SPECIFIED IN THE SWPPP.
3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
8. PREVENT SHORTCUTTING OF THE FULL LENGTH OF THE CONSTRUCTION ENTRANCE BY INSTALLING BARRIERS AS NECESSARY.
9. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.

STABILIZED CONSTRUCTION ENTRANCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.11 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1070B

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.



CONCRETE BLOCK RETAINING WALL	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 202.11 *
		DATE OCT. '04
		STANDARD DRAWING NO. 1070B

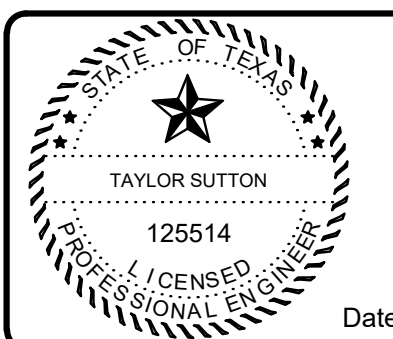
*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

Drawing: T:\Projects\KFM22494\Eng\DWG\22494-DET\DWG\1060A.DWG at Nov 08, 2022 2:40pm by plowmssand

no.	revision	by	date



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GBPES: PEF007431; TBAE: BR 2673



Taylor Sutton
Date: 11/06/2023

scale
when bar is
1 inch long
horiz
N/A
vert
N/A
NOV 2023

KAUFMAN COUNTY
1902 E. US HWY 175
KAUFMAN, TX 75142
PH: 469-376-4100

KAUFMAN, TEXAS
Improvements for
US 175 - SH 34 CONNECTOR ROADS
CONSTRUCTION DETAILS (3 OF 3)

tnp project
KFM22494
sheet
39
of
38