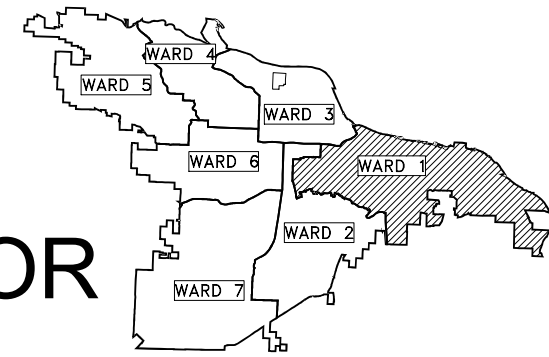
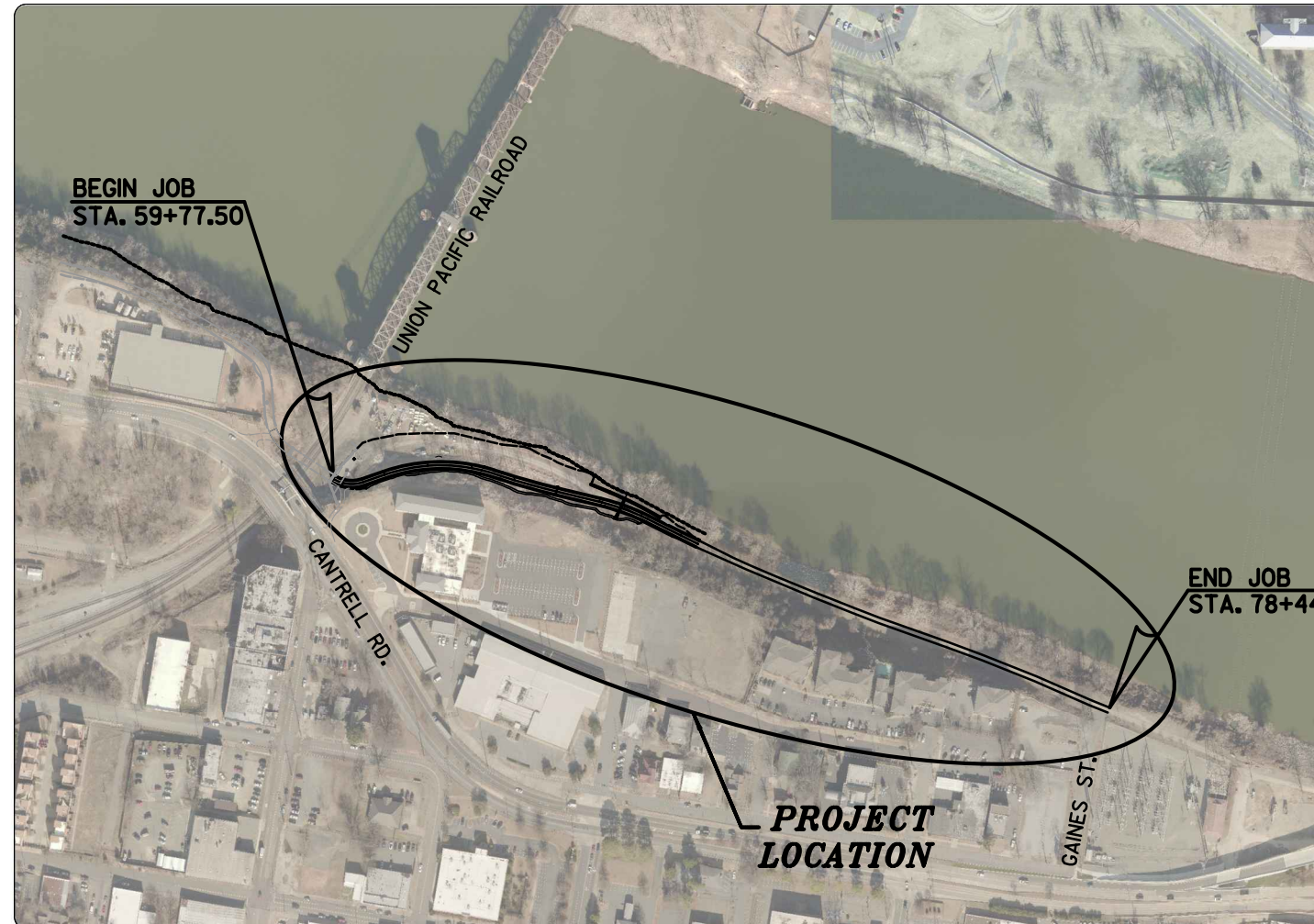


AR FLAP LITT RCK TRL (1) ARKANSAS RIVER TRAIL FLAP CONNECTOR LITTLE ROCK, ARKANSAS



PROJECT LOCATION - WARD 1

SHEET NO.	TITLE
C-01	COVER SHEET
C-02	LEGEND AND QUANTITIES
C-03	TYPICAL SECTIONS
C-04	SPECIAL DETAILS
C-05 - C-06	TEMPORARY EROSION CONTROL SHEETS
C-07 - C-08	FIELD TIES / LAYOUT SHEETS
C-09	PLAN AND PROFILE 1 ARKANSAS RIVER TRAIL
C-10	PLAN AND PROFILE 2 ARKANSAS RIVER TRAIL
C-11 - C-20	PLAN AND PROFILE 2 ARKANSAS RIVER TRAIL



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CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
COVER SHEET

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LITTLE ROCK, ARKANSAS 72201

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PROJECT NO.	XX-X-XX-XX
SHEET NO.	C-01

EXISTING


PROPOSED

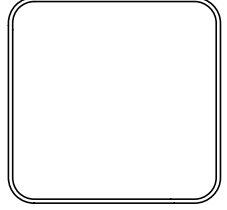
- IRON ROD ○ IR
- PK NAIL ○ PK
- R.R. SPIKE ○ RR(Sp)
- CONC. MONUMENT □ CM
- WATER VALVE X WV
- WATER METER □ WM
- FIRE HYDRANT ∩ FH
- GAS METER □ GM
- GAS VALVE ⊗ GV
- CLEAN-OUT ○ CO
- GUARD POST (BOLLARD) ● GP
- SIGN POST T
- BENCHMARK +
- STORM SEWER MANHOLE (D)
- SANITARY SEWER MANHOLE (S)
- TELEPHONE MANHOLE (T)
- ELECTRIC MANHOLE (E)
- TELEPHONE BOX □
- ELECTRIC BOX □
- CABLE BOX □
- UTILITY POLE ⋈
- GUY WIRE ~
- LIGHT POLE ☆
- POST OR POLE (TYPE AS NOTED) ●
- MAILBOX □
- DECIDUOUS TREE (circle with radiating lines)
- EVERGREEN/CONIFEROUS TREE (circle with vertical lines)
- BUSH (cloud shape)
- PROPERTY LINE (solid line)
- SETBACK LINE (dashed line)
- EASEMENT LINE (long-dashed line)
- CURB (double line)
- FENCE (line with X's)
- OVERHEAD ELECTRIC (line with OE)
- OVERHEAD TELEPHONE (line with OT)
- OVERHEAD CABLE (line with OC)
- UNDERGROUND TELEPHONE (line with UGT)
- UNDERGROUND ELECTRIC (line with UGE)
- UNDERGROUND CABLE (line with UGC)
- WATER LINE (line with 8"W)
- SEWER LINE (line with 8"SS)
- GAS LINE (line with 4"G)
- STORM SEWER/CULVERT (line with 24" CMP/RCP/DIP)
- EDGE OF WOODS (wavy line)
- CONTOUR LINE (dashed line with 650)

- PROPOSED CONTOUR (line with 25)
- PROPOSED SPOT ELEVATION (circle with 25.00)
- PROPOSED SPOT CURB ELEVATION (circle with 25.50 and 25.00)
- STORM SEWER - PIPE (line with manhole)
- STORM SEWER - MITERED END SECTION (line with manhole)
- STORM SEWER - GRATE INLET (line with grate)
- STORM SEWER - JUNCTION BOX (line with manhole)
- STORM SEWER - FLARED END SECTION (line with manhole)
- STORM SEWER - HEADWALL (line with manhole)
- STORM SEWER - SINGLE WING (line with manhole)
- STORM SEWER - DOUBLE WING (line with manhole)
- STORM SEWER - AREA INLET (line with manhole)
- GRADE BREAK LINE (line with HP)
- HIGH POINT (HP)
- LOW POINT (LP)
- CUT LINE (line with C)
- FILL LINE (line with F)
- SANITARY SEWER PIPE (line with SAN)
- SANITARY SEWER MANHOLE (S)
- PROPOSED CURB (line with curb)
- PROPOSED CONCRETE (stippled area)
- CONSTRUCTION - ENTRANCE/EXIT (circle with CO)
- CHECK DAM (circle with CD)
- DIVERSION BERM (circle with DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (circle with DN)
- ROCK DAM (circle with RD)
- SEDIMENT BARRIER - SILT FENCE (circle with SD1)
- SEDIMENT BARRIER - GRAVEL RING (circle with SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (circle with SD3)
- SEDIMENT BARRIER - BLOCK (circle with SD4)
- TEMPORARY SEDIMENT BASIN (circle with SB1)
- SILT FENCE - TYPE A (circle with SFA)
- SILT FENCE - TYPE B (circle with SFB)
- SILT FENCE - TYPE C (circle with SFC)
- STORM DRAIN OUTLET PROTECTION (circle with ST)
- SURFACE ROUGHENING (circle with SU)
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (circle with TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (circle with TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (circle with TS3)
- MATTING/BLANKETS (circle with Mb)

REVISIONS	DATE

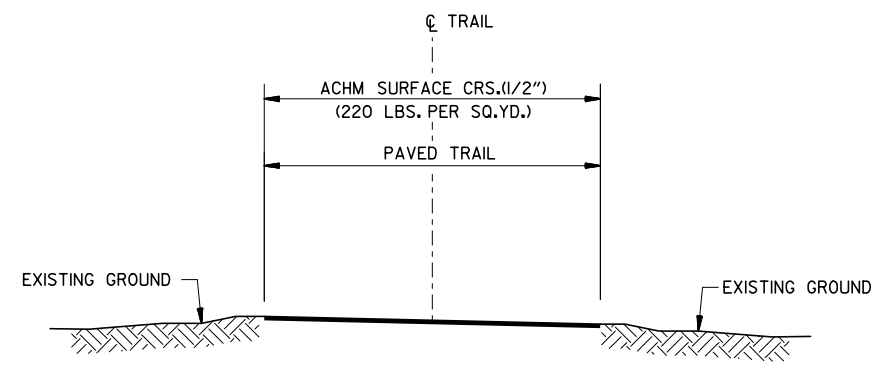
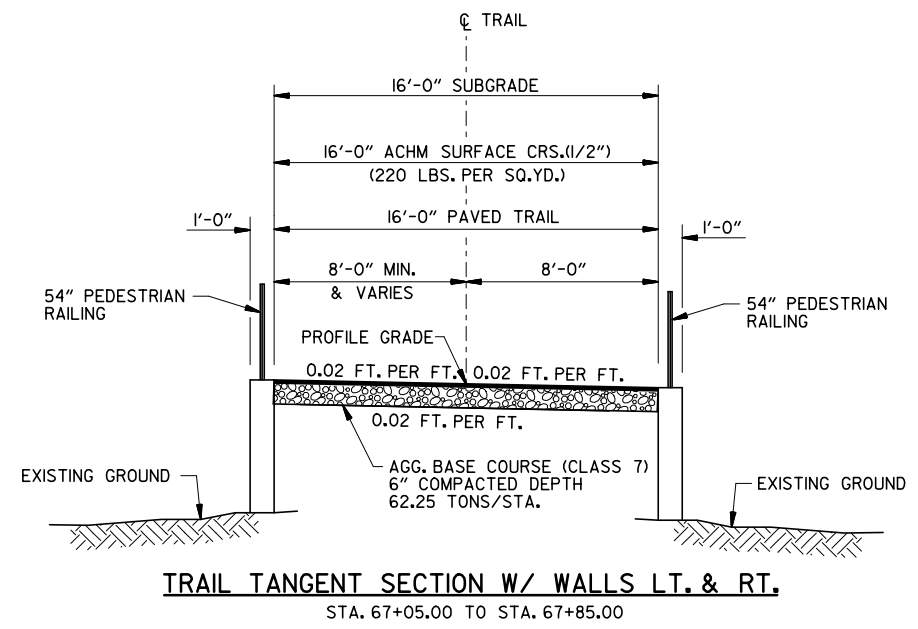
CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
LEGEND AND QUANTITIES


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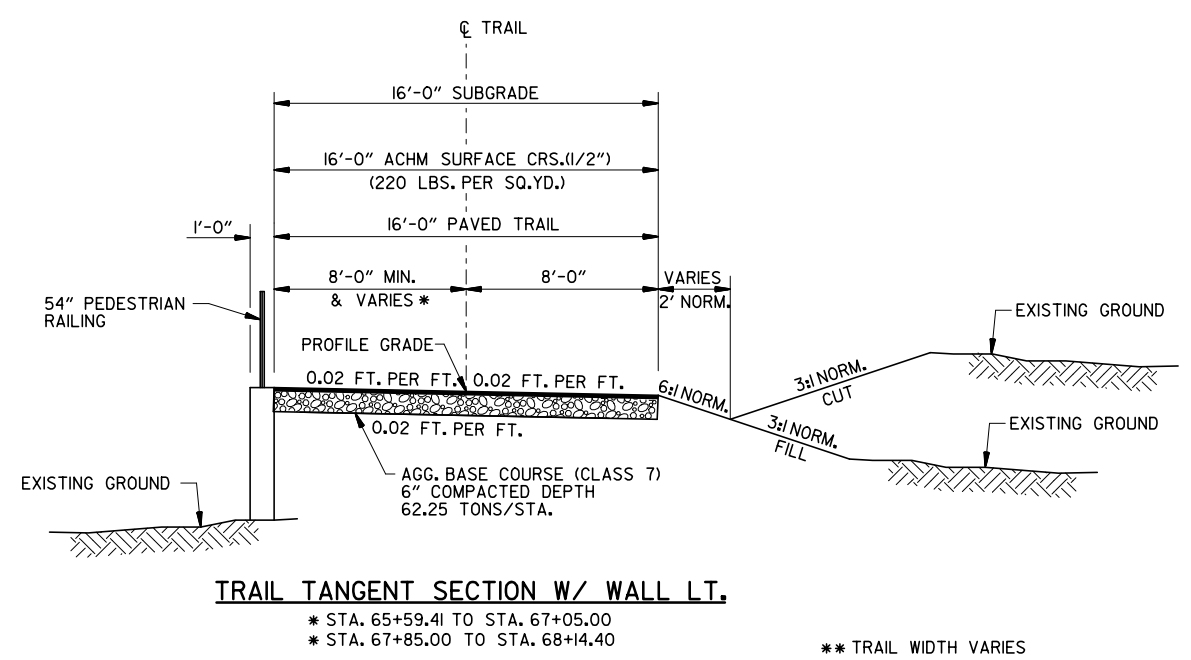
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SCALE NTS
PROJECT NO. XX-X-XX-XX
SHEET NO. C-02

REVISIONS	DATE



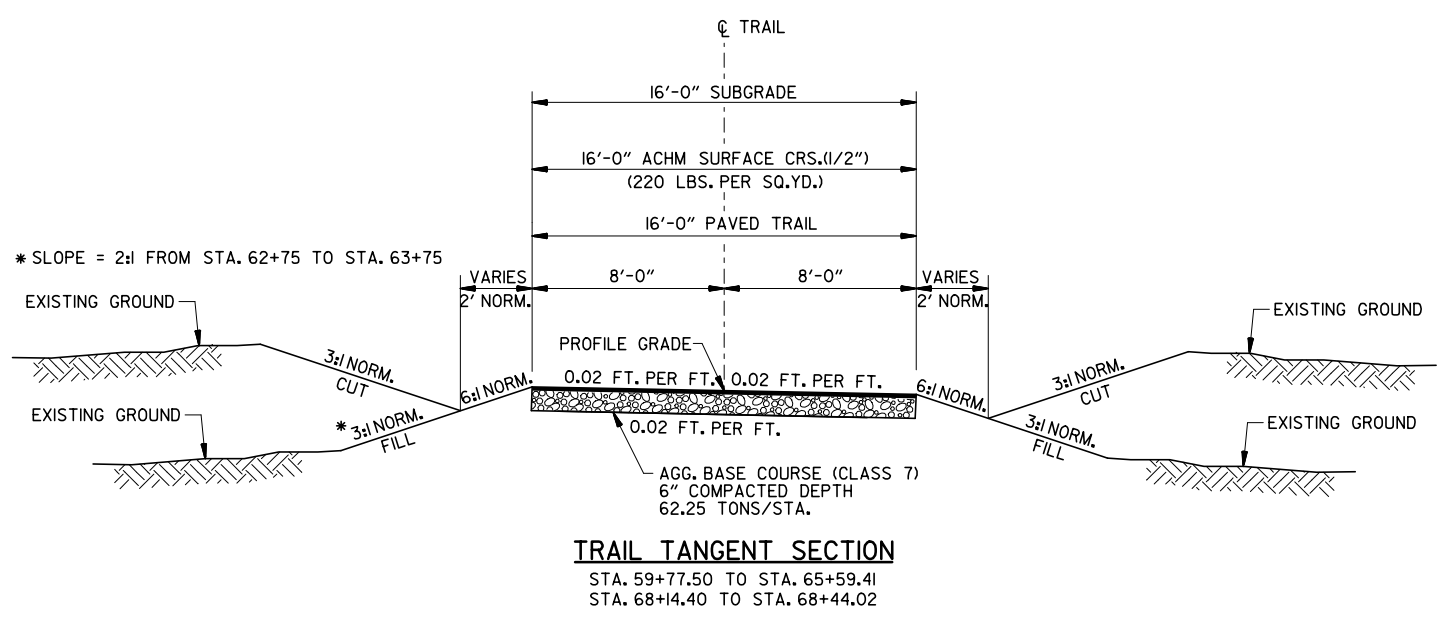
TRAIL TANGENT SECTION W/ WALLS LT. & RT.
STA. 67+05.00 TO STA. 67+85.00

TRAIL OVERLAY SECTION
STA. 68+44.02 TO GAINES STREET



TRAIL TANGENT SECTION W/ WALL LT.
* STA. 65+59.41 TO STA. 67+05.00
** TRAIL WIDTH VARIES

NOTES:
TYPICAL SECTIONS SHOWN LOOKING AHEAD STATION
REFER TO CROSS SECTIONS FOR DEVIATION FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
SUBGRADE CROSS SLOPE TO MATCH FINISHED GRADE CROSS SLOPE UNLESS OTHERWISE STATED.
FOR CROSS SLOPES, SEE PLAN & PROFILE SHEETS AND CROSS SECTIONS. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.



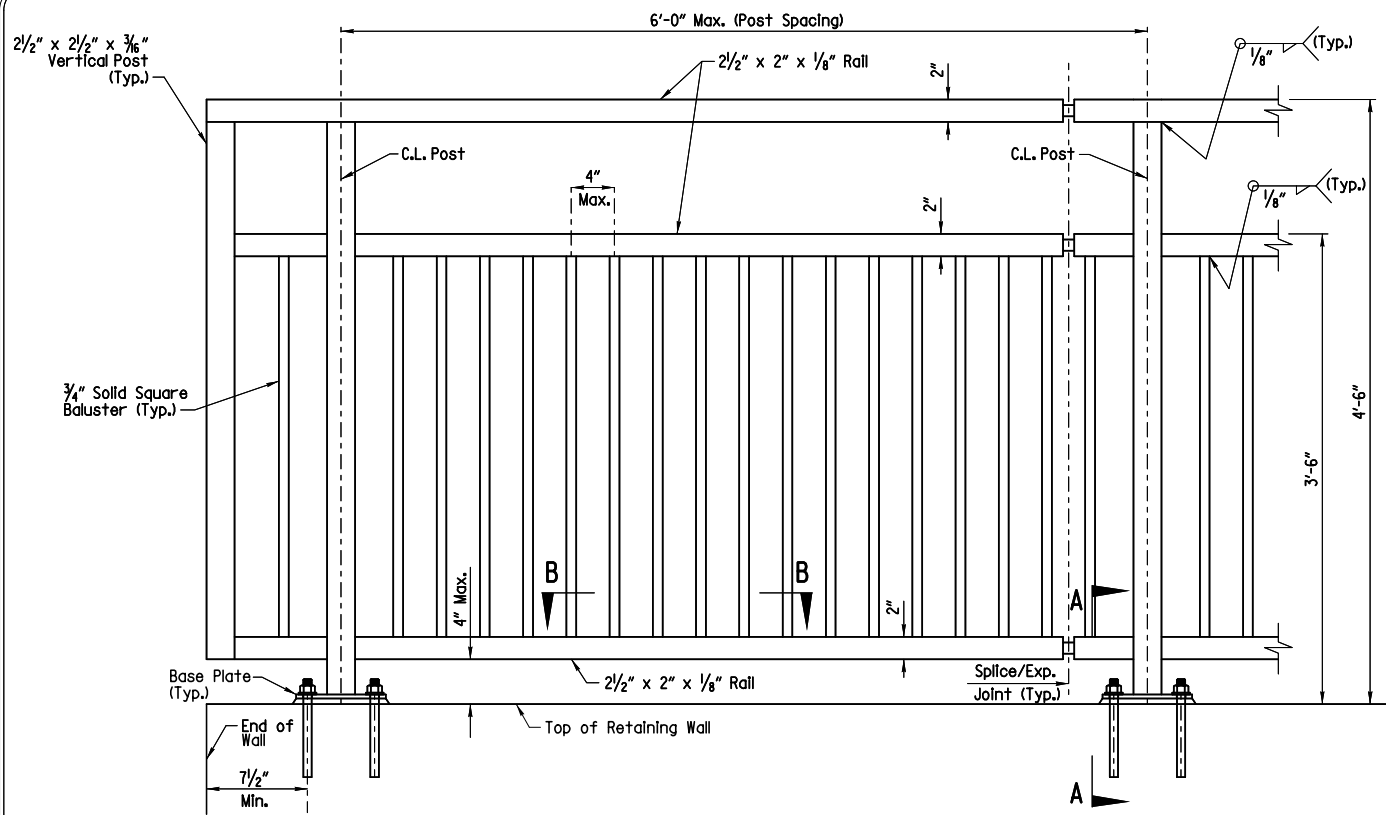
TRAIL TANGENT SECTION
STA. 59+77.50 TO STA. 65+59.41
STA. 68+14.40 TO STA. 68+44.02

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
TYPICAL SECTION SHEET 1

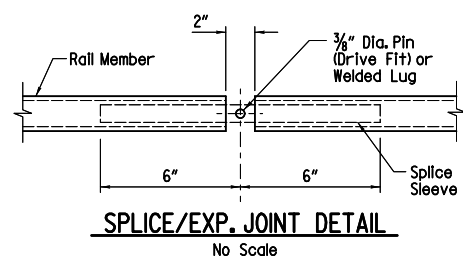
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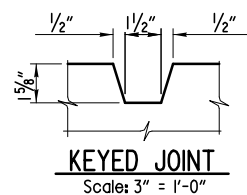
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DATE
9 / 16 / 22
SCALE
1" = 8'
PROJECT NO.
XX-X-XX-XX
SHEET NO.
C-3



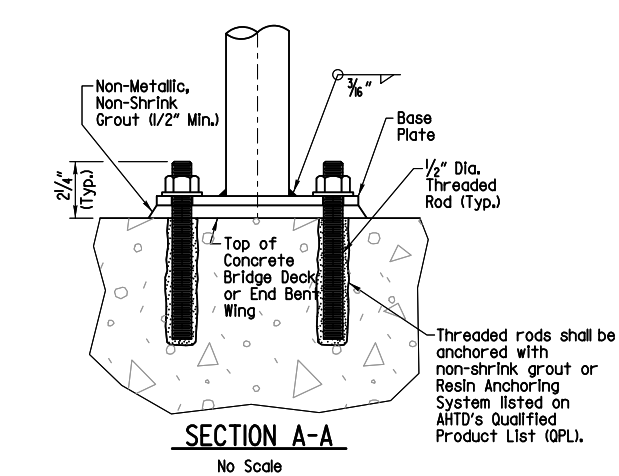
PART ELEVATION OF 54" PEDESTRIAN RAILING
No Scale



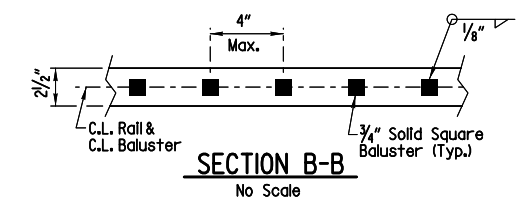
Note: Provide Splice/Exp. Joints in rail members at a 60'-0" maximum. Provide Splice/Exp. Joints in rail members at bridge expansion joints at Bents 1, 4, 7 & 9. It is necessary to maintain a minimum of three attached posts within a section of railing between splices unless otherwise approved by the Engineer. Locate centerline of Splice/Exp. Joints within 1'-0" of posts. Splice sleeve outside dimension shall be 1/8" smaller than rail member inside dimension. Minimum sleeve wall thickness = 0.1943".



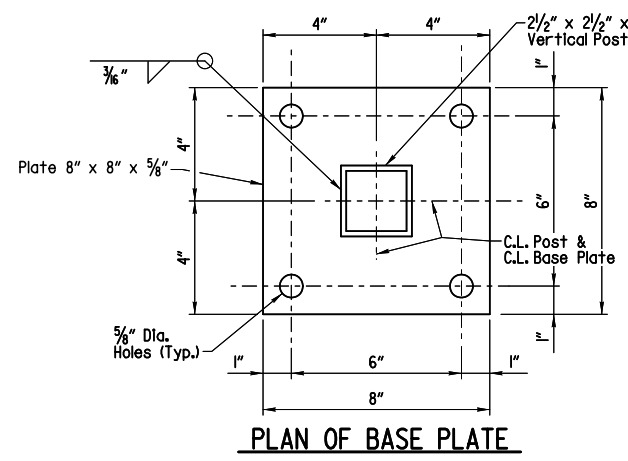
Notes:
The Block-Out may be eliminated at the contractor's election. If Block-Out is eliminated, reinforcement shall be as shown except plan reinforcement may be cut to clear pipe.
Additional reinforcement required for Block-Out is not included in estimated quantities and will be considered subsidiary to "Reinforcing Steel - Roadway (Gr. 60).



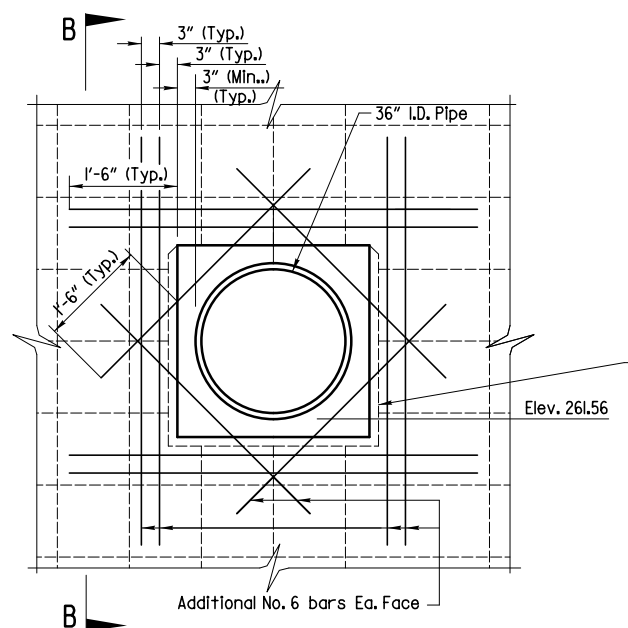
SECTION A-A
No Scale



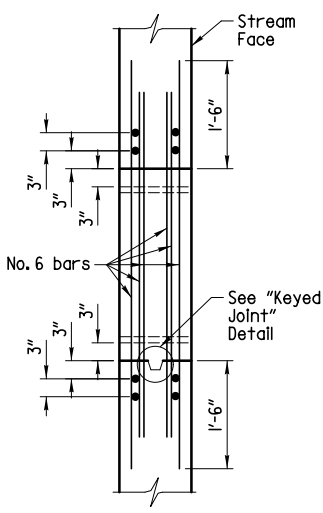
SECTION B-B
No Scale



PLAN OF BASE PLATE
No Scale



PART ELEVATION OF WALL AT 36" R.C. PIPE IN WALL
No Scale



SECTION B-B
No Scale

RAILING GENERAL NOTES

Tubing for Railing and Posts shall be ASTM A500, Grade B steel (Fy=46,000 psi).
Structural Steel for balusters and base plates shall be ASTM A709 Grade 36 (Fy=36,000 psi) or Grade 50 (Fy=50,000 psi).
Threaded rods to be included in unit price bid for Pedestrian Railing.
Railing posts shall be vertical. Grout of 1/2" minimum thickness shall be placed under the base plates to provide for vertical alignment of posts. All horizontal rails shall match the slope of the finished grade.
Place vent holes as required to prevent accumulation of water inside railing tubes.
Shop drawings of the Pedestrian Railing, including base plates and threaded rods, shall be submitted to the Engineer for approval prior to fabrication.
All railings shall have a smooth outside surface with no protrusions or depressions. All ends of tubes shall be closed and ground smooth.
Drilled holes for the threaded rod anchors shall not affect the integrity of the reinforcing bars in the concrete deck and end bent wings.
Pullout strength of threaded rod and non-shrink grout or Resin Anchoring System shall be a minimum of 5000 lb. Embedment and installation of anchors shall be in accordance with manufacturer's recommendations.
All balusters, posts, rails and base plates shall be galvanized after fabrication and in accordance with ASTM A123.
All threaded rods, hardened washers and nuts shall be galvanized in accordance with ASTM A153.
Precautions shall be taken with the galvanizing to ensure that the rail components are not water or chromate quenched after galvanizing.
Repair of damaged areas of hot-dip galvanized coatings shall be in accordance with ASTM A780.
Galvanized surfaces to be coated shall be prepared in accordance with Subsection 807.87.
All balusters, posts, rails and other components of the rail shall be coated in accordance with Section 807.75 of the Standard Specifications which includes prime, tie and finish coats. Color of the finish shall be Brown (Federal Standard 595 Color 30045) or as approved by the Engineer.
During the coating of the rail components, all surfaces of concrete and other areas not to receive the coating shall be protected from drippings of coating material and overspray. All coating material on surfaces not to be coated shall be immediately cleaned to remove all coating material to the satisfaction of the Engineer.
At the option of the Contractor, the tie coat and finish field coats may be applied in the shop. The Contractor shall exercise extreme care during all phases of loading, hauling, handling and erection of the rail to minimize damage and shall be fully responsible for all repairs and cleaning of the coating systems as required by the Engineer. Exposed threaded rods shall be field coated with a paint closely matching the color of the rail.
The contract unit price per linear foot for Pedestrian Railing shall include furnishing, coating and erecting the railing complete with 1/2" Dia. threaded rods, washers, hex nuts and anchor system.

Measurement of Pedestrian Railing is to the nearest linear foot measured parallel to grade from end of railing to end of railing. See Roadway Plans for quantities.

REVISIONS	DATE

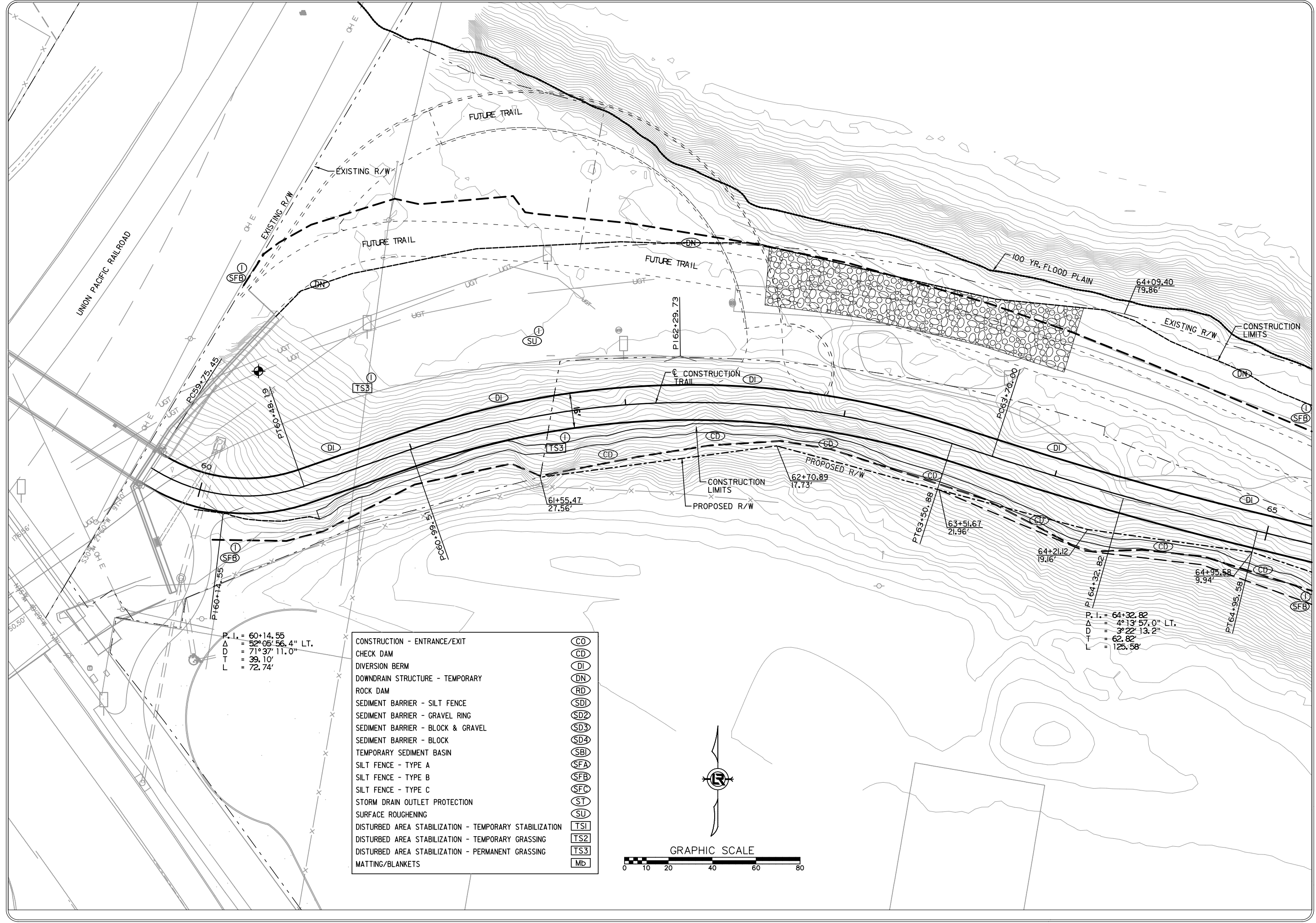
CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 SPECIAL DETAILS

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 SHEET NO.
C - 04

REVISIONS	DATE



P.L. = 60+14.55
 Δ = 52°08'56.4" LT.
 D = 71°37'11.0"
 T = 39.10'
 L = 72.74'

P.L. = 64+32.82
 Δ = 4°13'57.0" LT.
 D = 3°22'13.2"
 T = 62.82'
 L = 125.58'

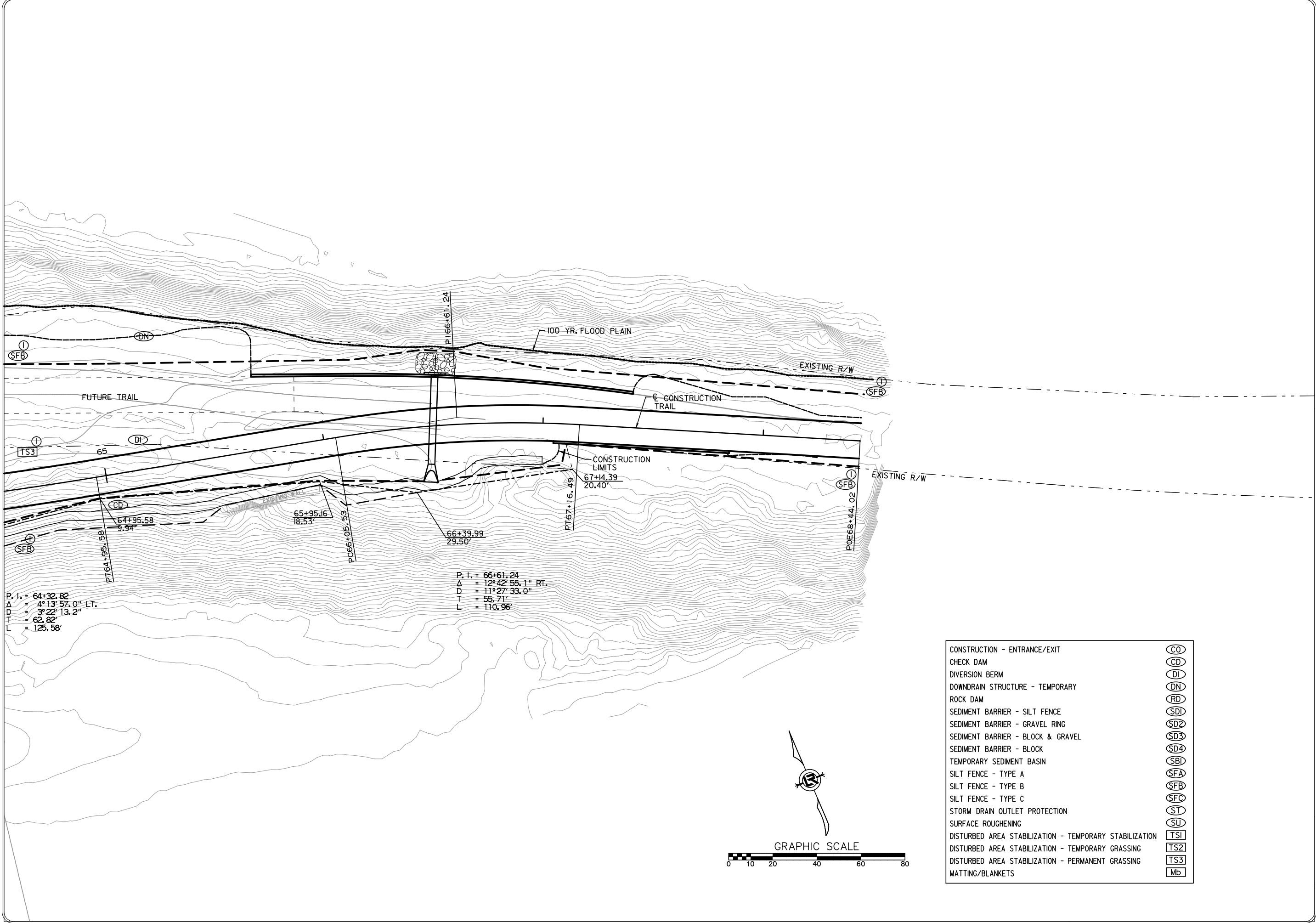
CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SBI)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

CITY OF LITTLE ROCK, ARKANSAS
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 TEMPORARY EROSION CONTROL PLAN
 ARKANSAS RIVER TRAIL SHEET X

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P. I. = 64+32.82
 Δ = 4° 13' 57.0" LT.
D = 3° 22' 13.2"
T = 62.82'
L = 125.58'

P. I. = 66+61.24
 Δ = 12° 42' 55.1" RT.
D = 11° 27' 33.0"
T = 55.71'
L = 110.96'

CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SBI)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(MB)

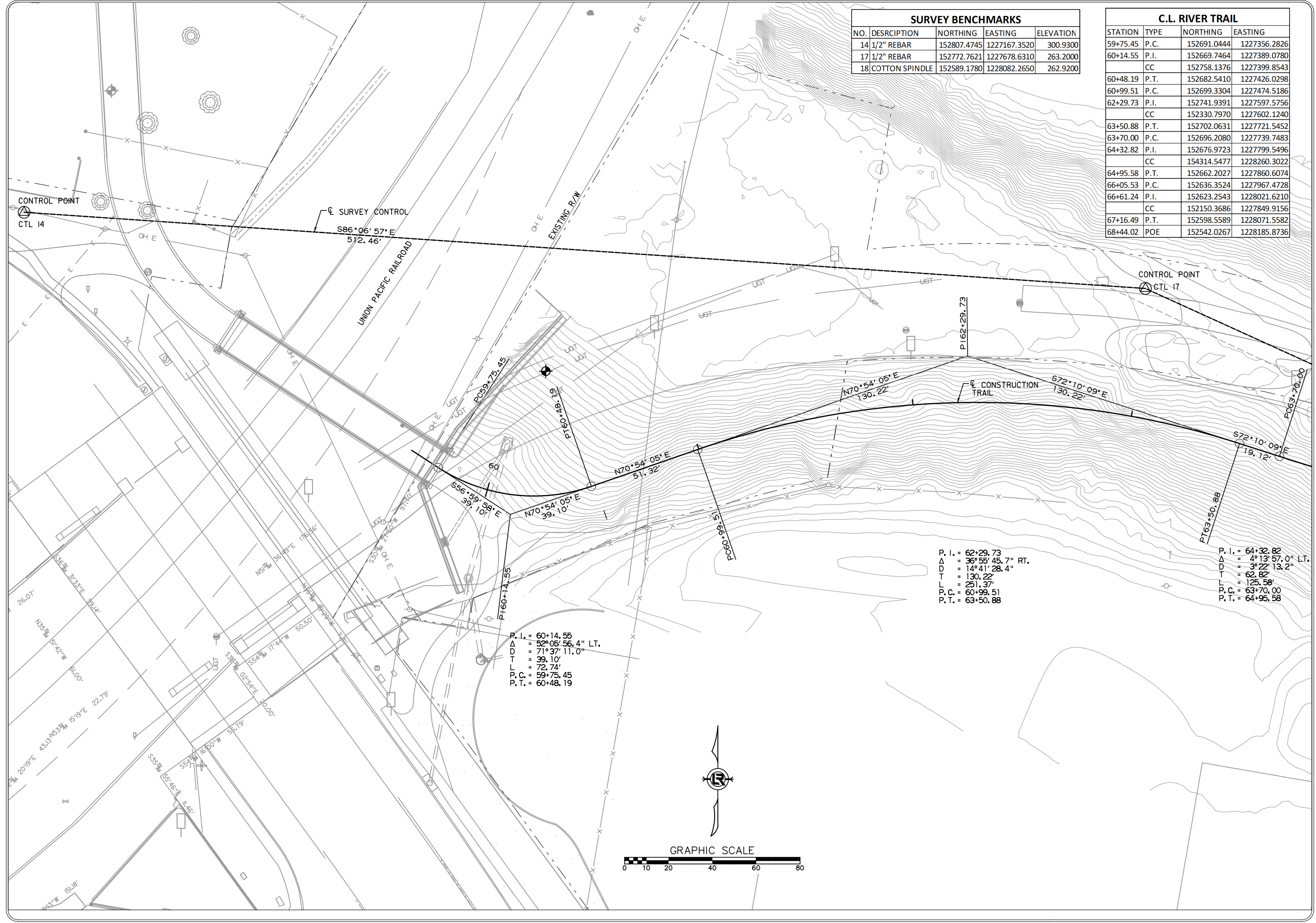
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 TEMPORARY EROSION CONTROL PLAN
 ARKANSAS RIVER TRAIL SHEET 5

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 SHEET NO.
C-06



SURVEY BENCHMARKS				
NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
14	1/2" REBAR	152807.4745	1227167.3520	300.9300
17	1/2" REBAR	152772.7621	1227678.6310	263.2000
18	COTTON SPINDLE	152589.1780	1228082.2650	262.9200

C.L. RIVER TRAIL			
STATION	TYPE	NORTHING	EASTING
59+75.45	P.C.	152691.0444	1227356.2826
60+14.55	P.I.	152669.7464	1227389.0780
	CC	152758.1376	1227399.8543
60+48.19	P.T.	152682.5410	1227426.0298
60+99.51	P.C.	152699.3304	1227474.5186
62+29.73	P.I.	152741.9391	1227597.5756
	CC	152330.7970	1227602.1240
63+50.88	P.T.	152702.0631	1227721.5452
63+70.00	P.C.	152696.2080	1227739.7483
64+32.82	P.I.	152676.9723	1227799.5496
	CC	154314.5477	1228260.3022
64+95.58	P.T.	152662.2027	1227860.6074
66+05.53	P.C.	152636.3524	1227967.4728
66+61.24	P.I.	152623.2543	1228021.6210
	CC	152150.3686	1227849.9156
67+16.49	P.T.	152598.5589	1228071.5582
68+44.02	POE	152542.0267	1228185.8736


P.I. = 60+14.55
 Δ = 52°06'56.4" LT.
 D = 71°37'11.0"
 T = 39.10'
 L = 72.74'
 P.C. = 59+75.45
 P.T. = 60+48.19

P.I. = 62+29.73
 Δ = 36°55'45.7" RT.
 D = 14°41'28.4"
 T = 130.22'
 L = 251.37'
 P.C. = 60+99.51
 P.T. = 63+50.88

P.I. = 64+32.82
 Δ = 4°13'57.0" LT.
 D = 3°22'13.2"
 T = 62.82'
 L = 125.58'
 P.C. = 63+70.00
 P.T. = 64+95.58

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 FIELD TIES / LAYOUT SHEET 1


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 LITTLE ROCK, ARKANSAS 72201



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 SCALE
 1" =
 PROJECT NO.
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 SHEET NO.
C-07

REVISIONS	DATE

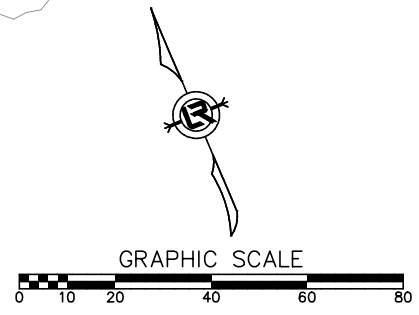
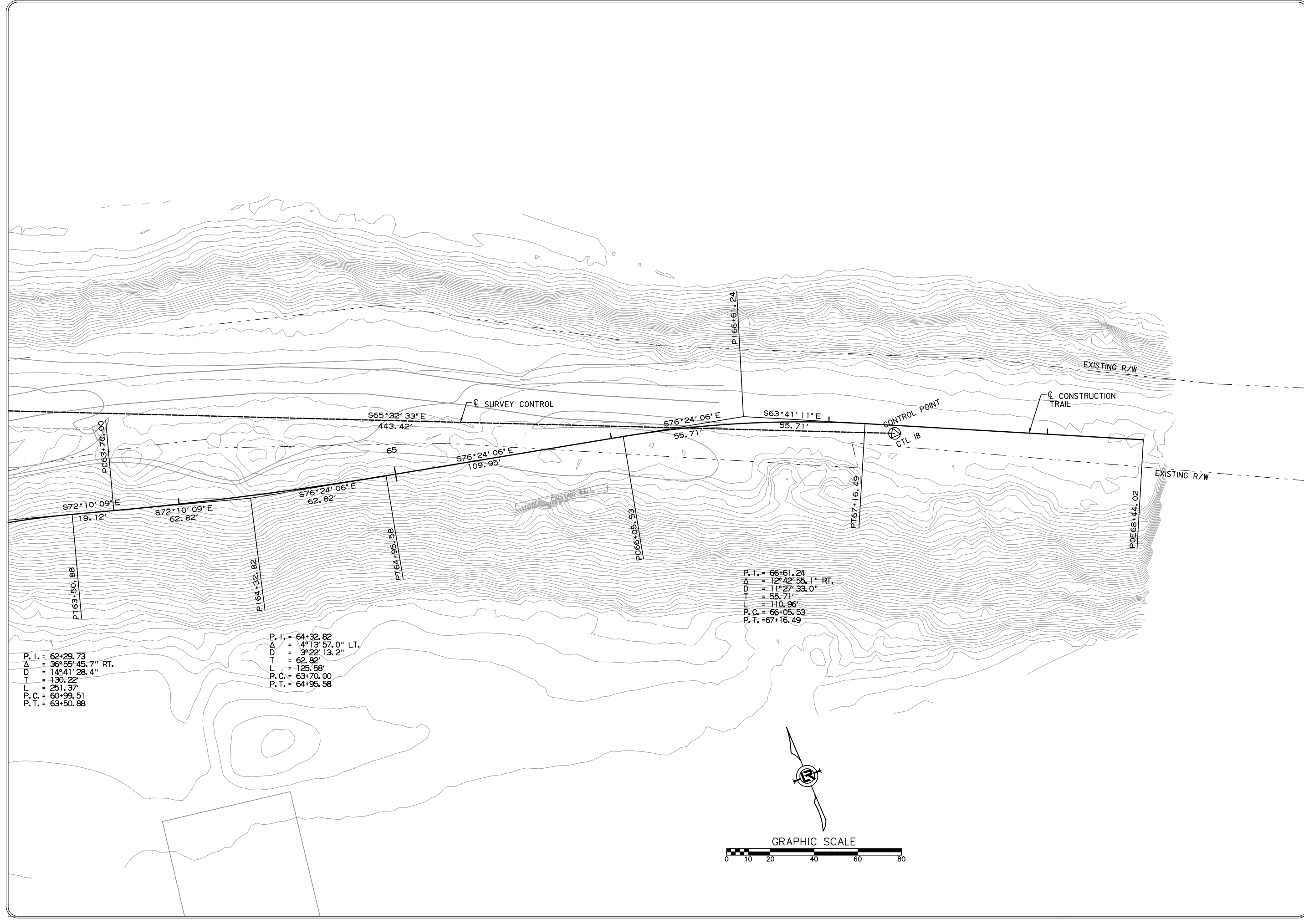
CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 FIELD TIES / LAYOUT SHEET 2

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 1" =
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 SHEET NO.
C-08



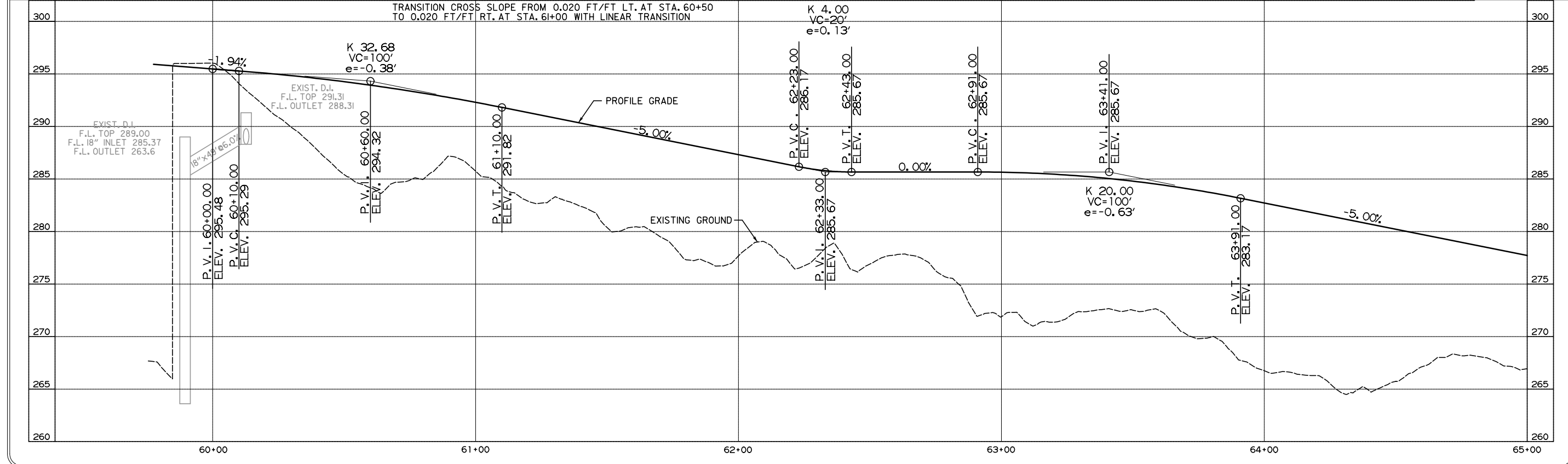
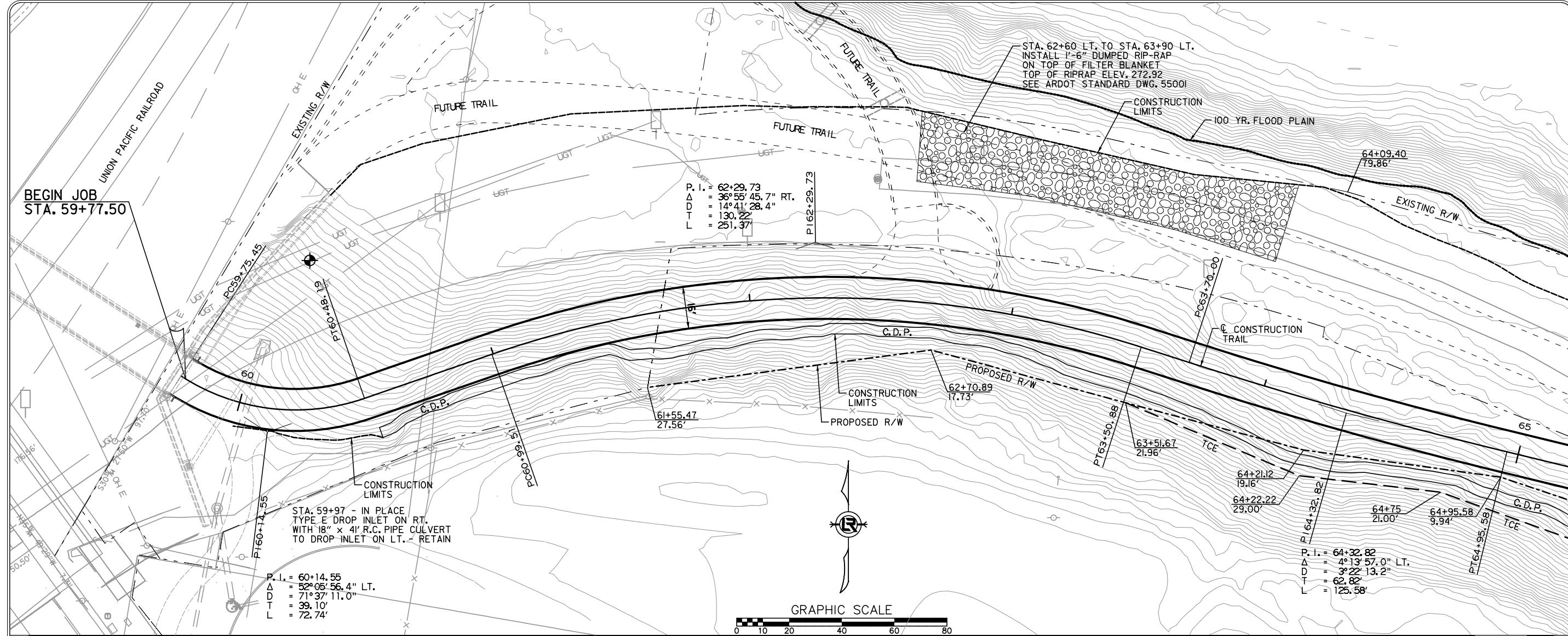
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 PLAN & PROFILE
 ARKANSAS RIVER TRAIL SHEET 1

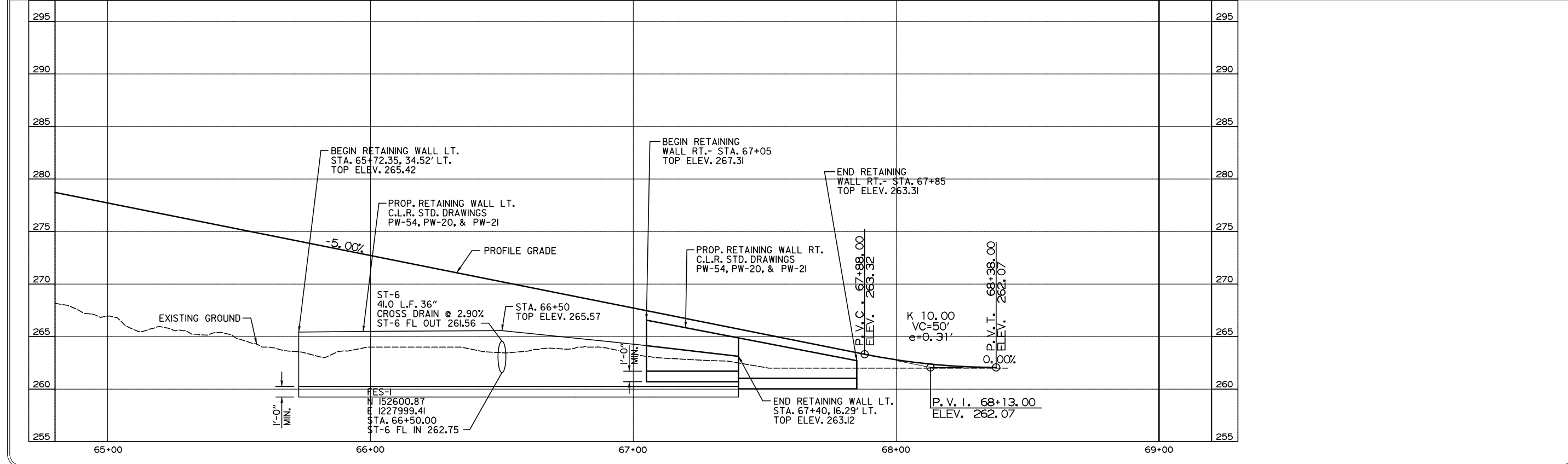
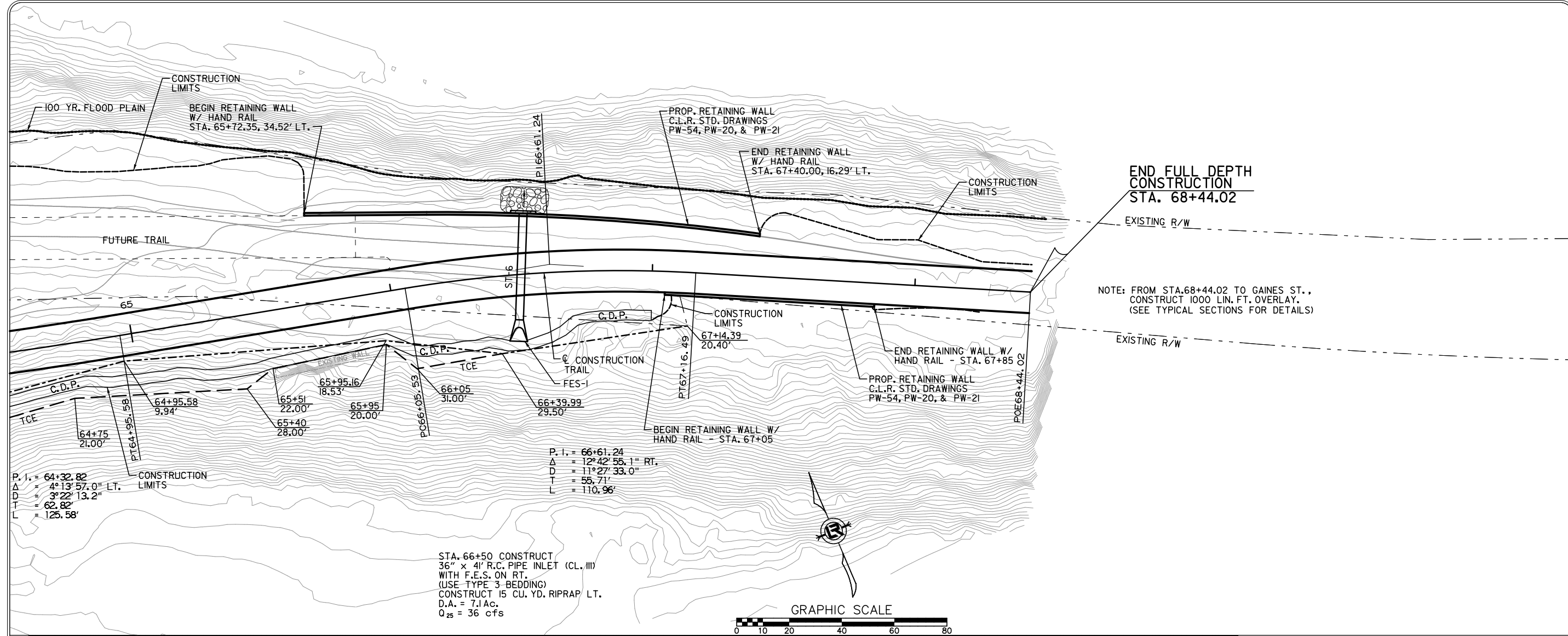
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 LITTLE ROCK, ARKANSAS 72201

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 RFR
 CHECKED
 BAP
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 PROJECT NO.
 XX-X-XX-XX
 SHEET NO.
C-9



REVISIONS	DATE



CITY OF LITTLE ROCK, ARKANSAS

ARKANSAS RIVER TRAIL FLAP CONNECTOR

PLAN & PROFILE

ARKANSAS RIVER TRAIL SHEET 2

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201

60% SUBMITTAL

DRAWN BY RFR

DESIGNED RFR

CHECKED BAP

DATE 9 / 16 / 22


SCALE 1" = 40'

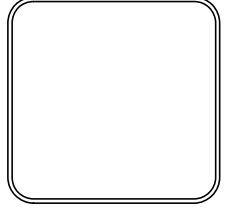
PROJECT NO. XX-X-XX-XX

SHEET NO. C-10

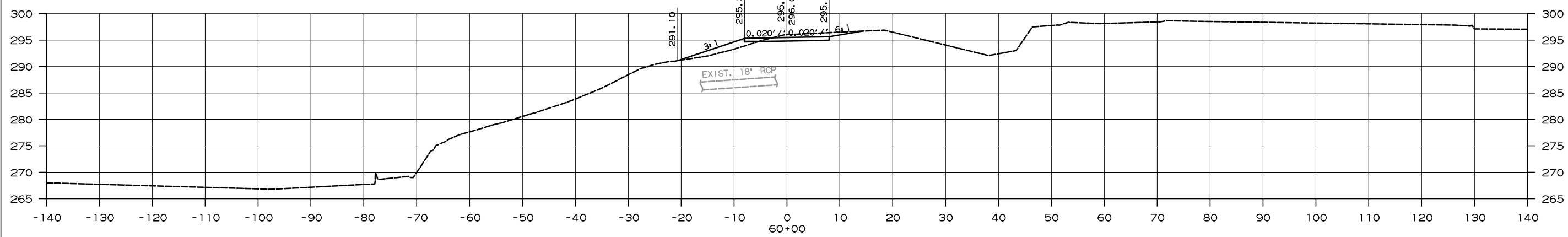
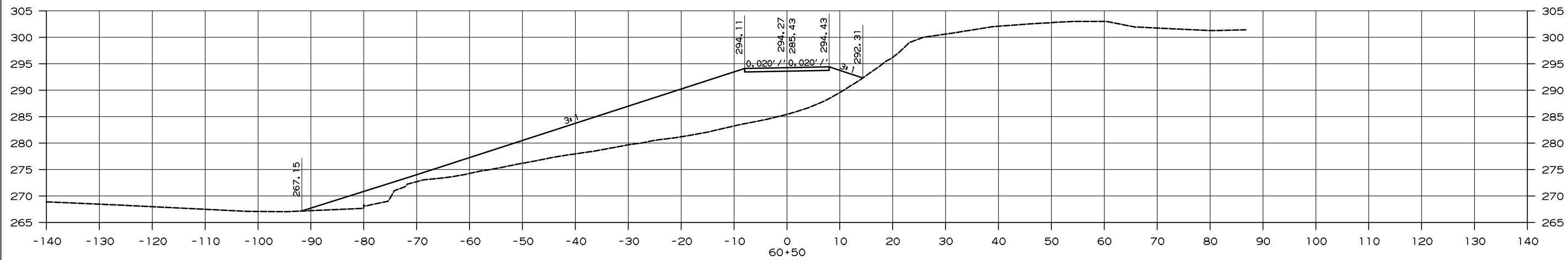
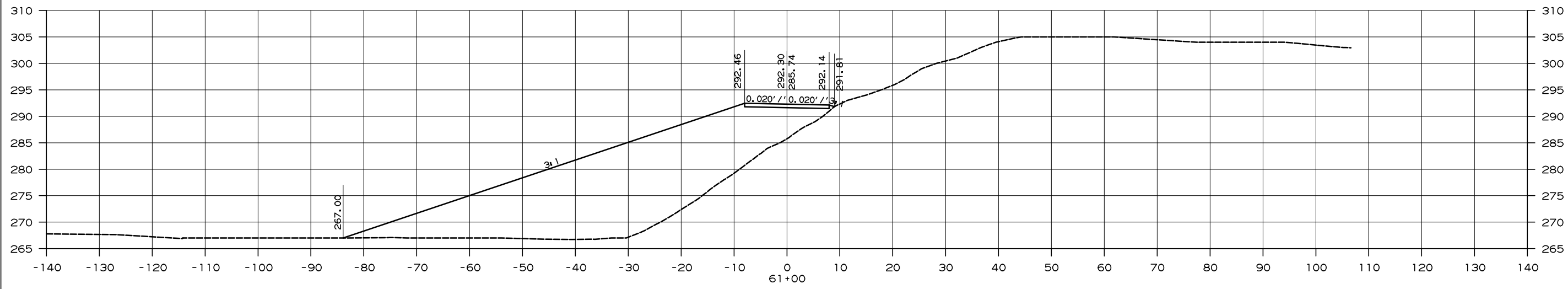
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




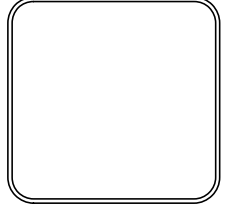
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CHECKED BAP
DATE 9 / 16 / 22
SCALE 1" =
PROJECT NO. XX-X-XX-XX
SHEET NO. C-11



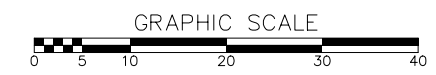
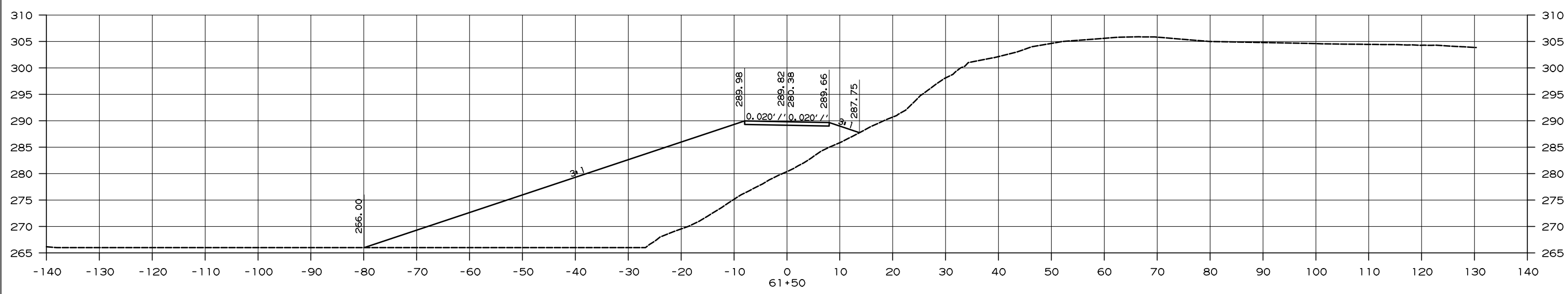
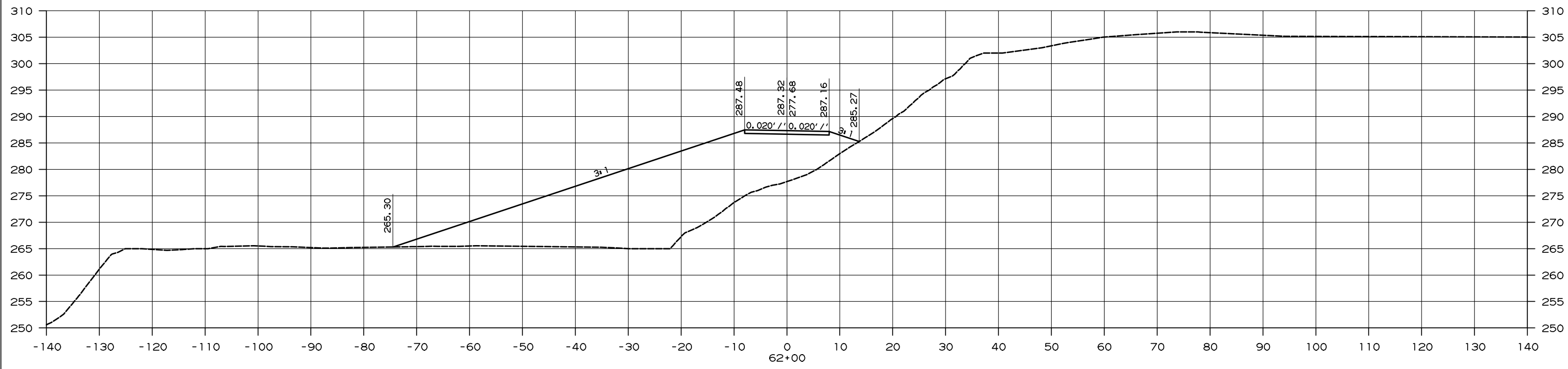
REVISIONS	DATE

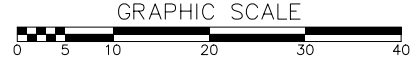
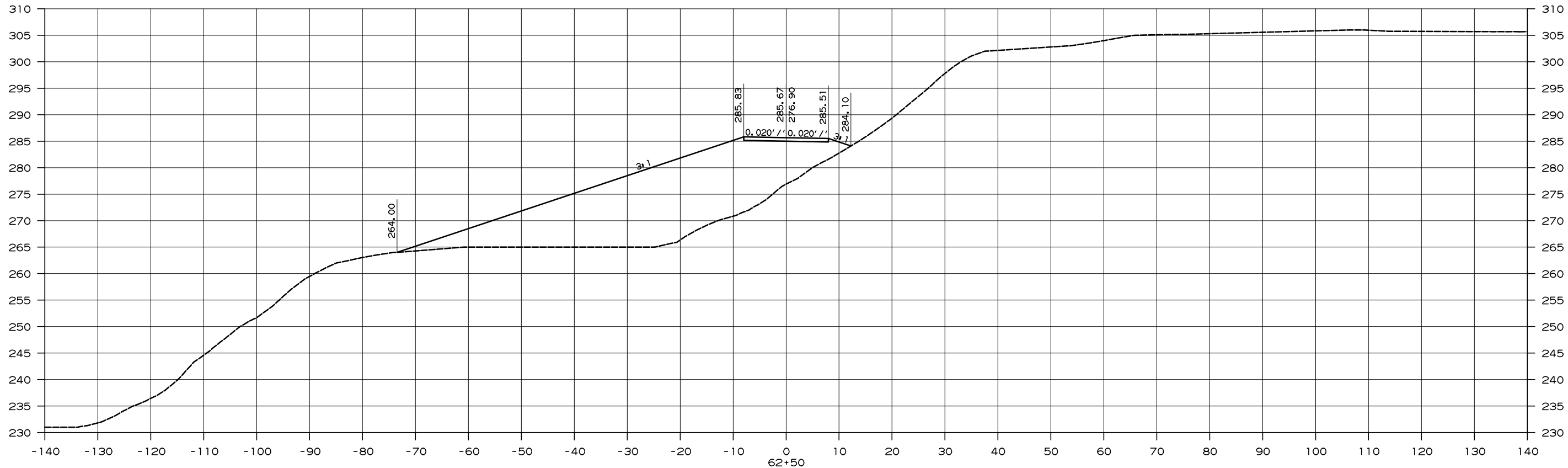
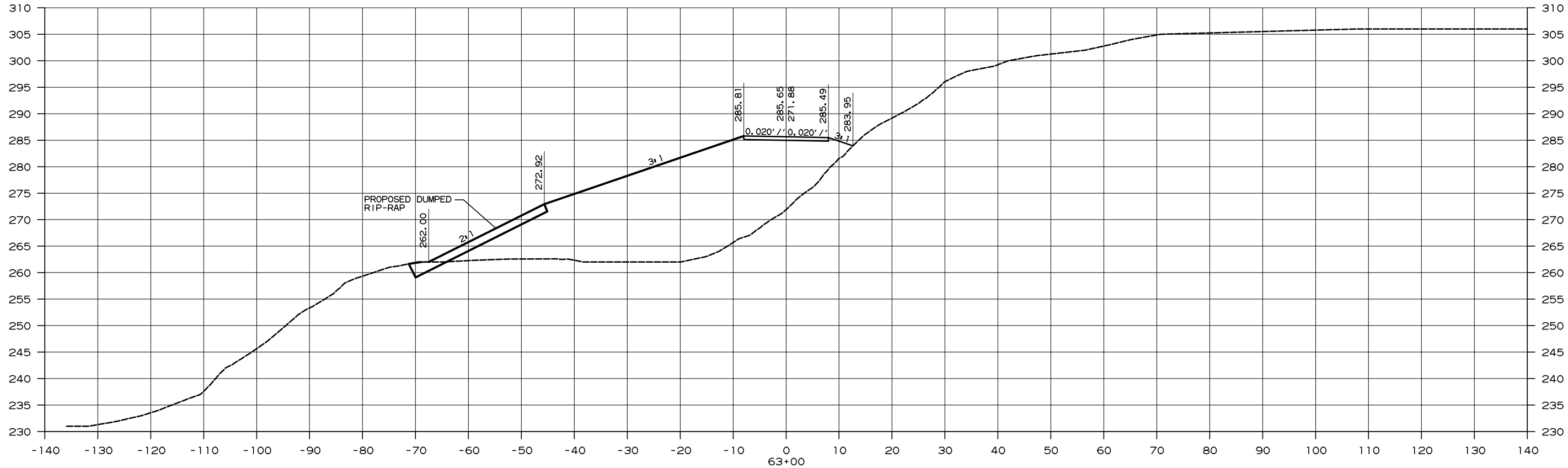
CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
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 CIVIL ENGINEERING
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 LITTLE ROCK, ARKANSAS 72201



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DESIGNED RFR
CHECKED MAA
DATE 9 / 16 / 22
SCALE 1" =
PROJECT NO. XX-X-XX-XX
SHEET NO. C-12

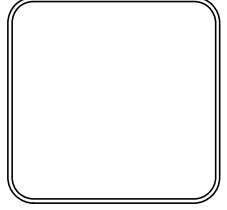




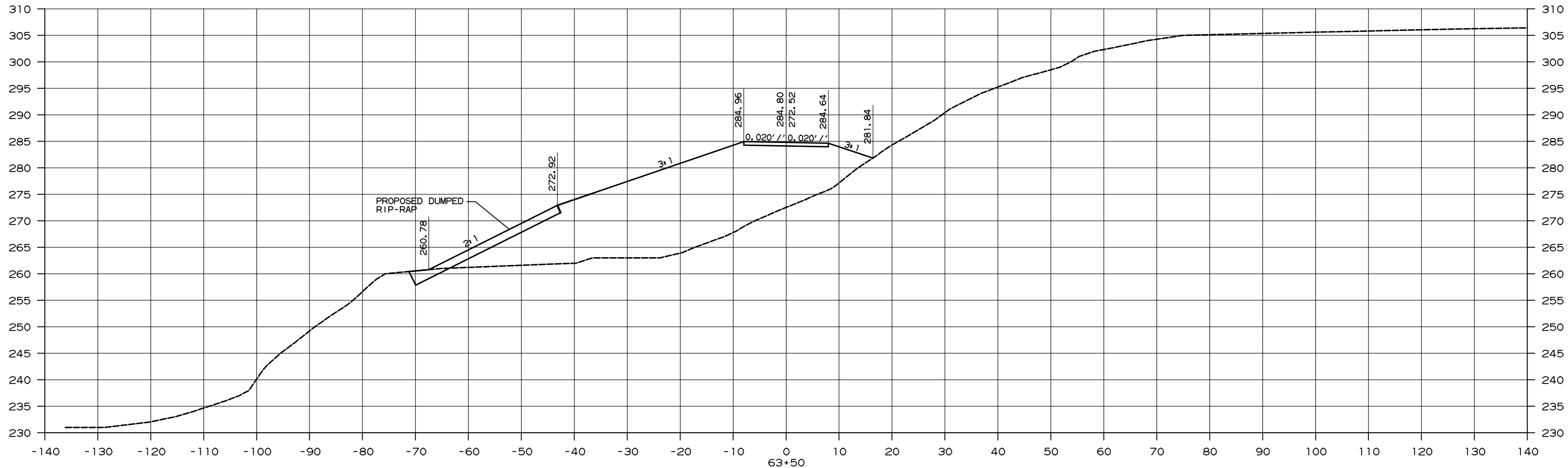
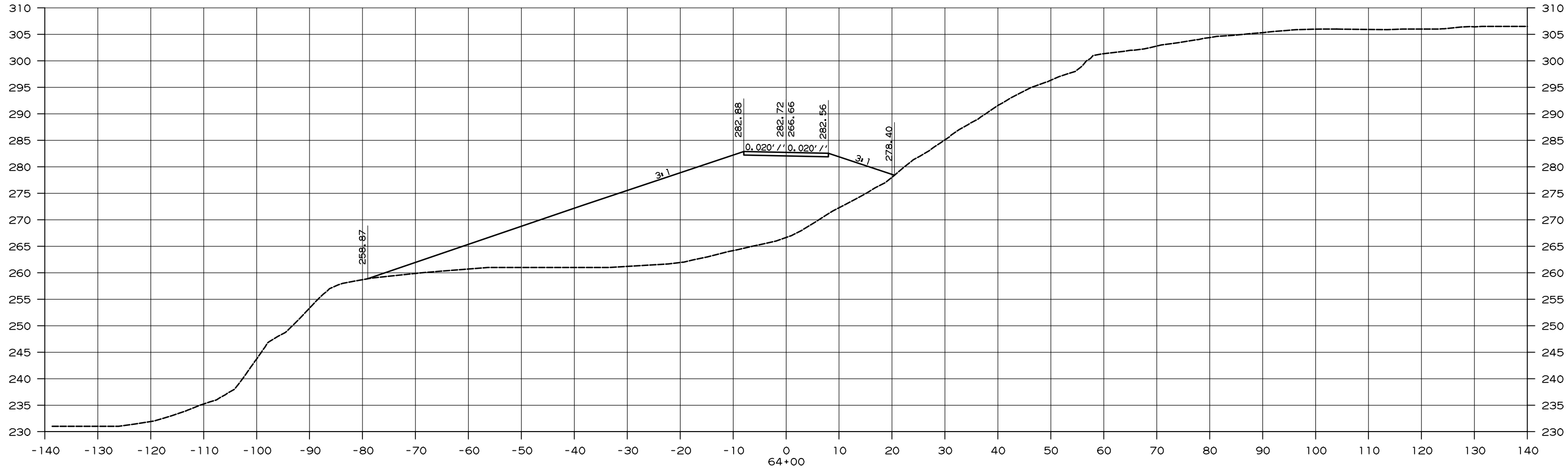
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X

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 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




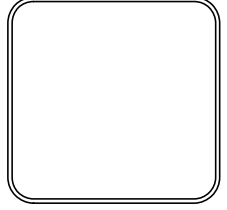
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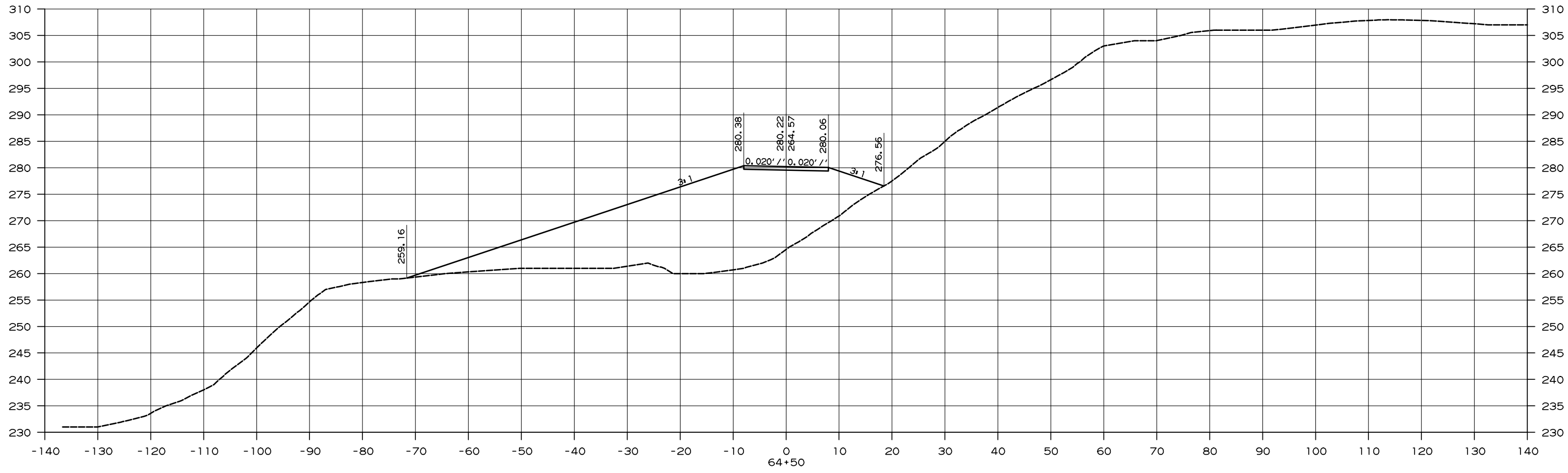
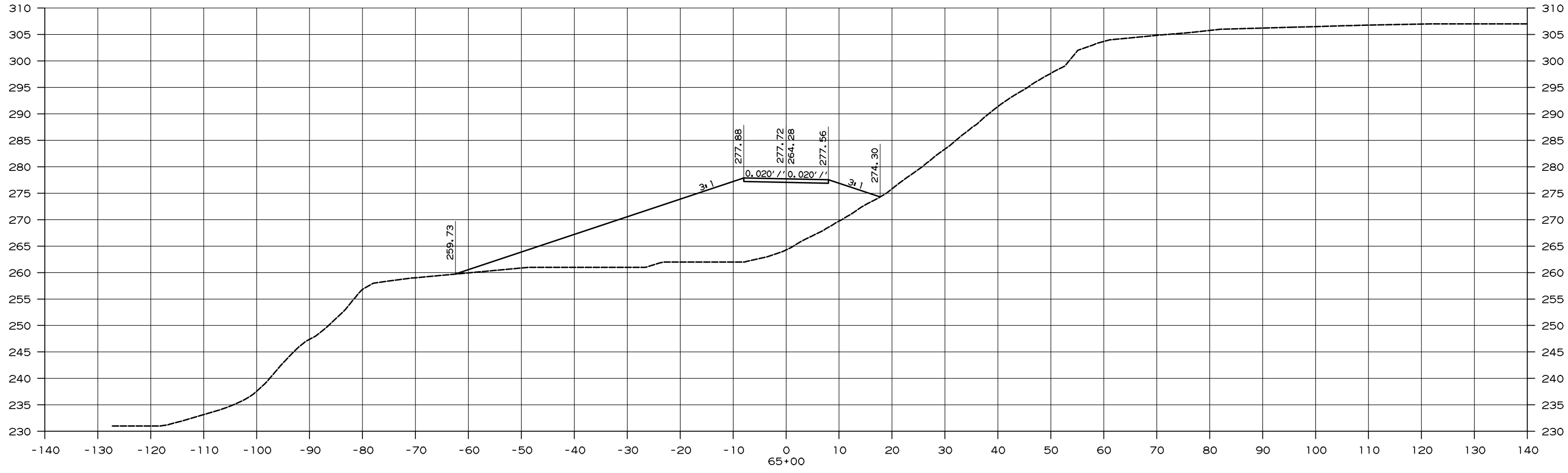
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
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DESIGNED RFR
CHECKED BAP
DATE 9 / 16 / 22
SCALE 1" =
PROJECT NO. XX-X-XX-XX
SHEET NO. C-14




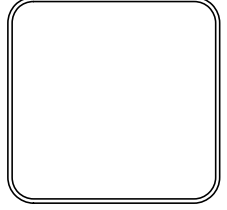
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
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 ARKANSAS RIVER TRAIL SHEET X

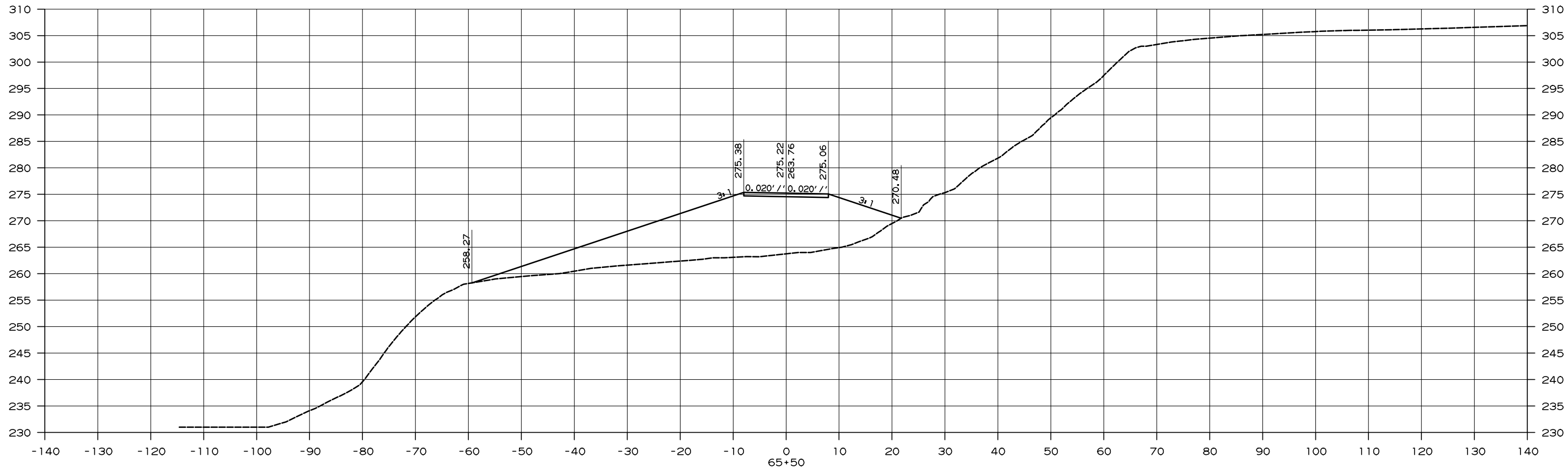
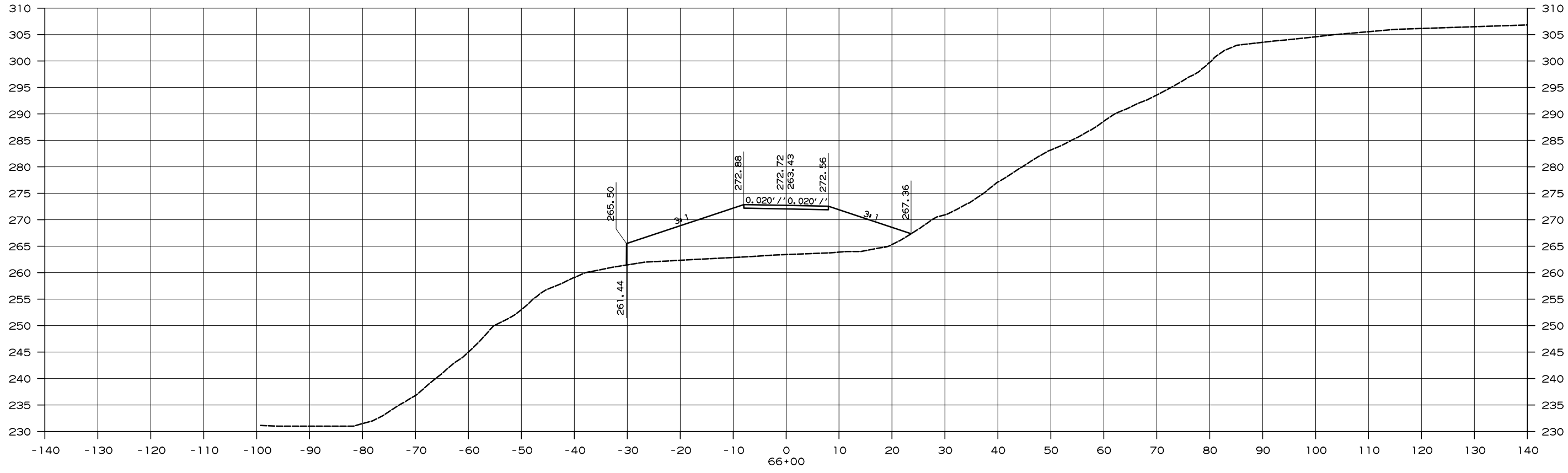


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 CIVIL ENGINEERING
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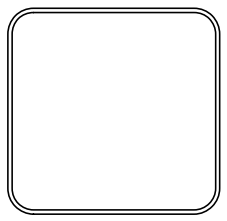
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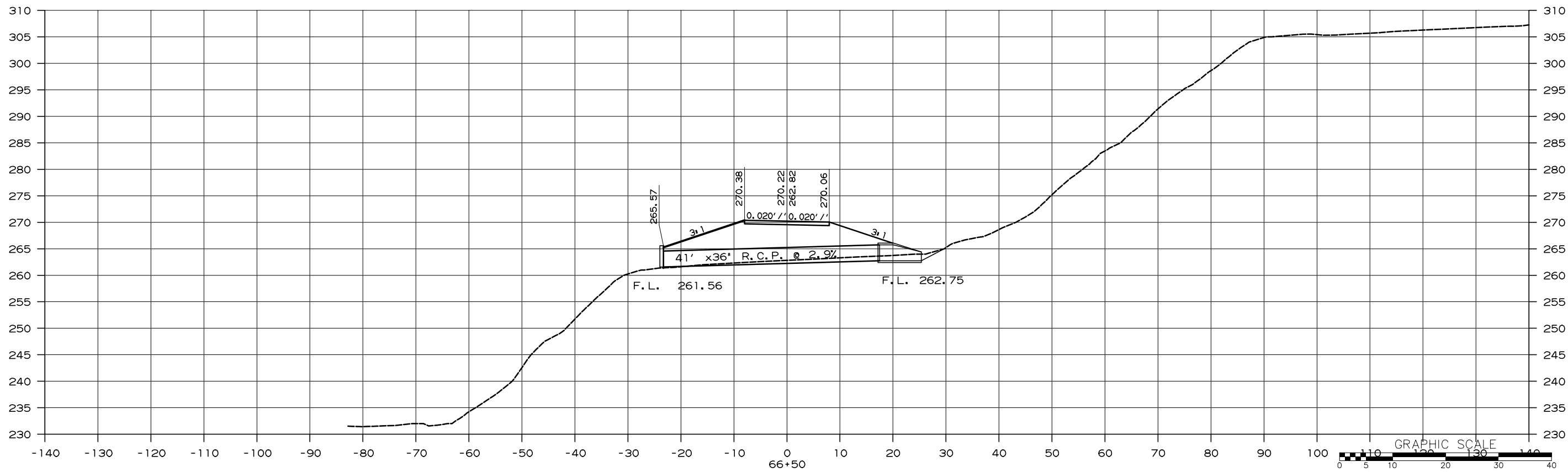
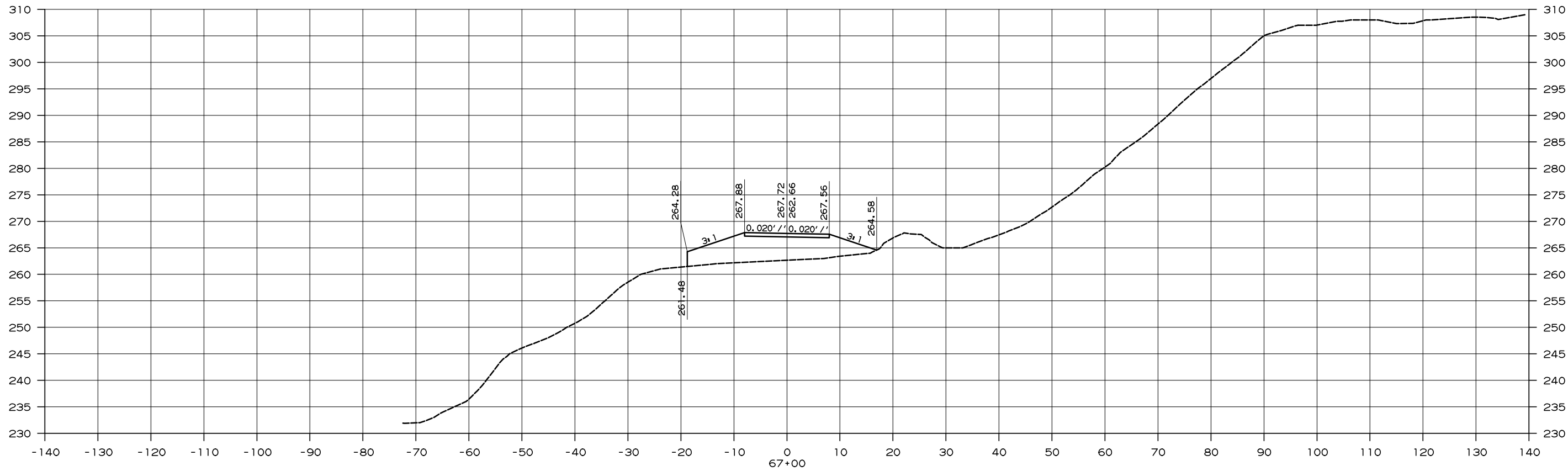
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
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 LITTLE ROCK, ARKANSAS 72201




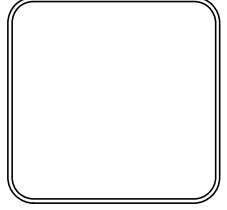
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DATE 9 / 16 / 22
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SHEET NO. C-16



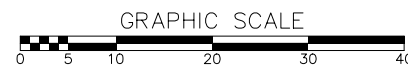
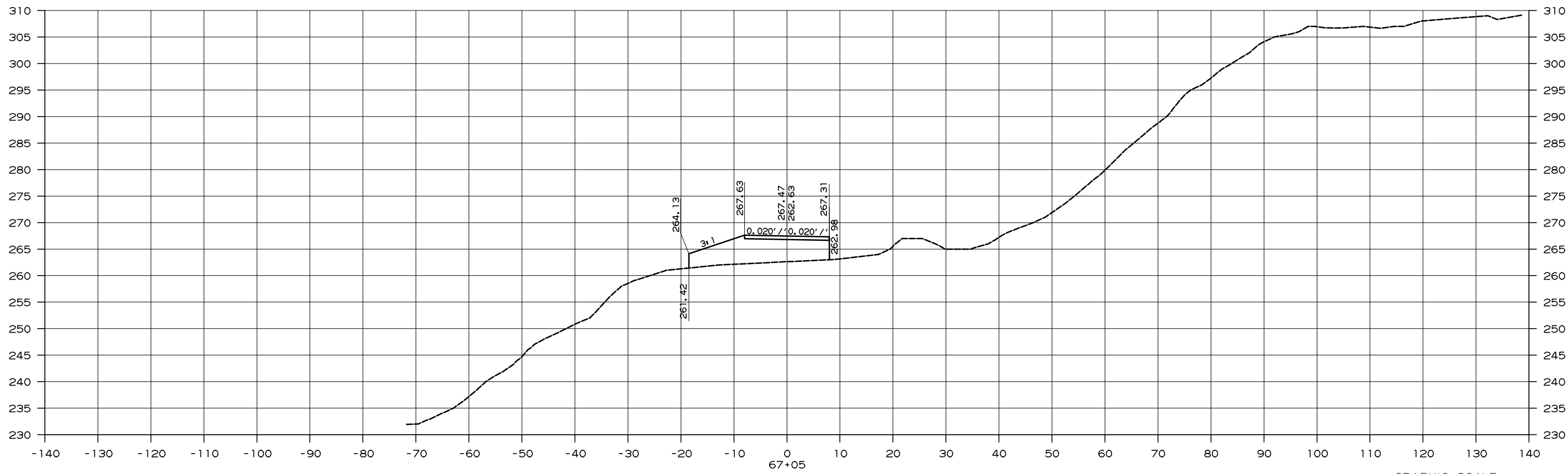
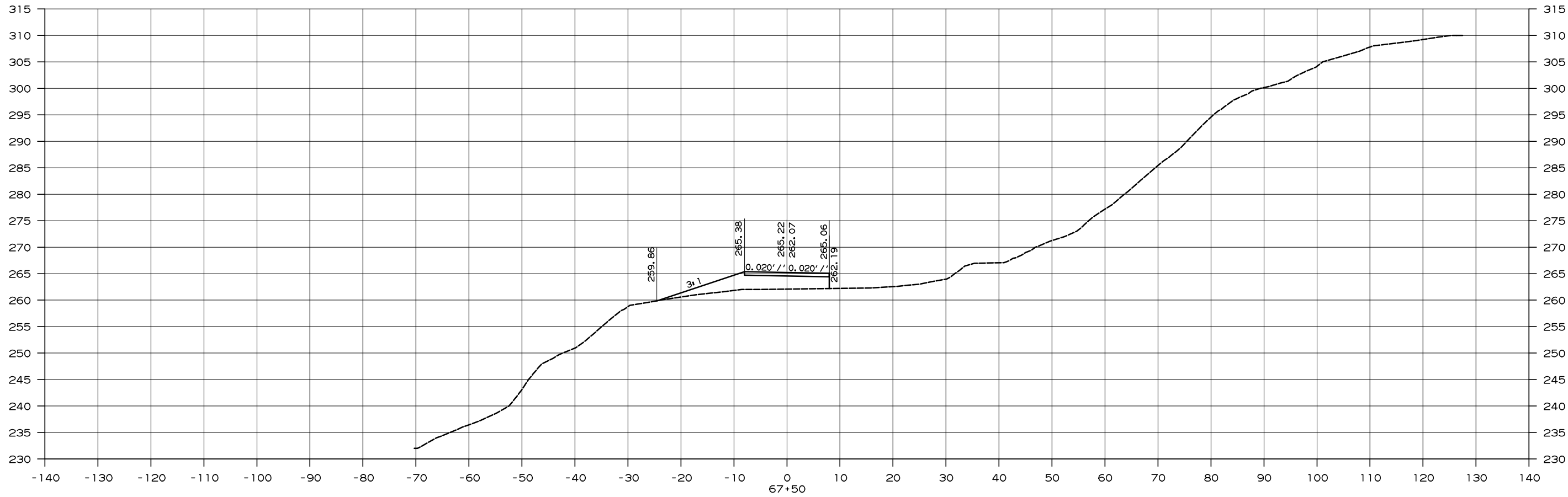
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CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


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 CIVIL ENGINEERING
 701 W. MARKHAM
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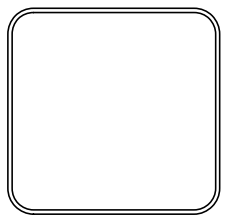
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9 / 16 / 22
SCALE
1" =
PROJECT NO.
XX-X-XX-XX
SHEET NO.
C-17



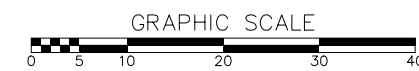
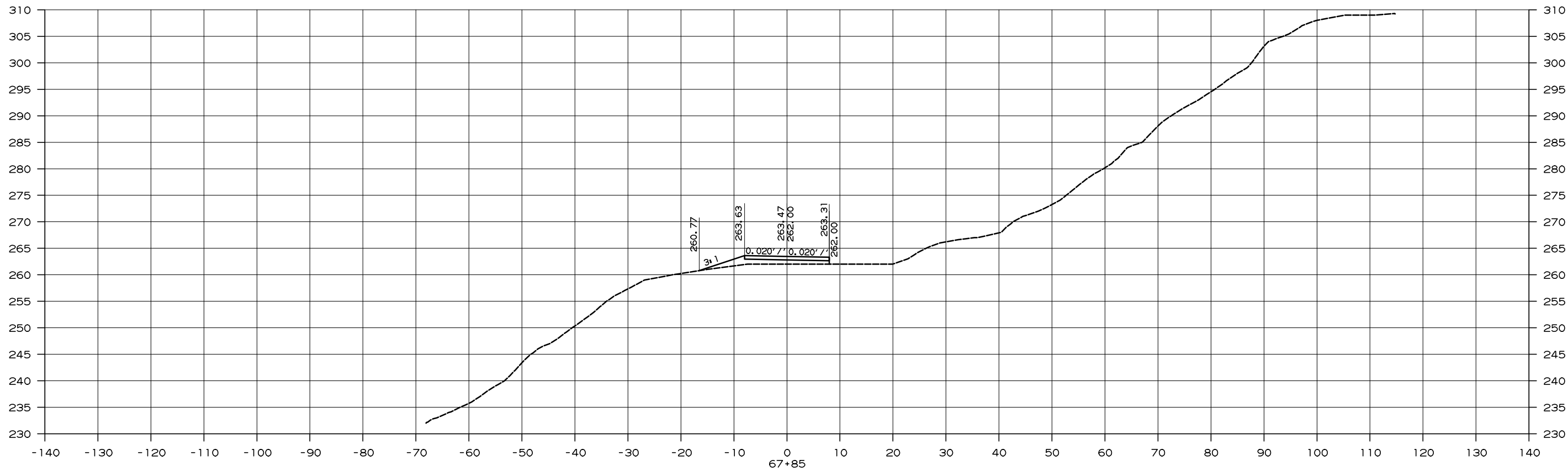
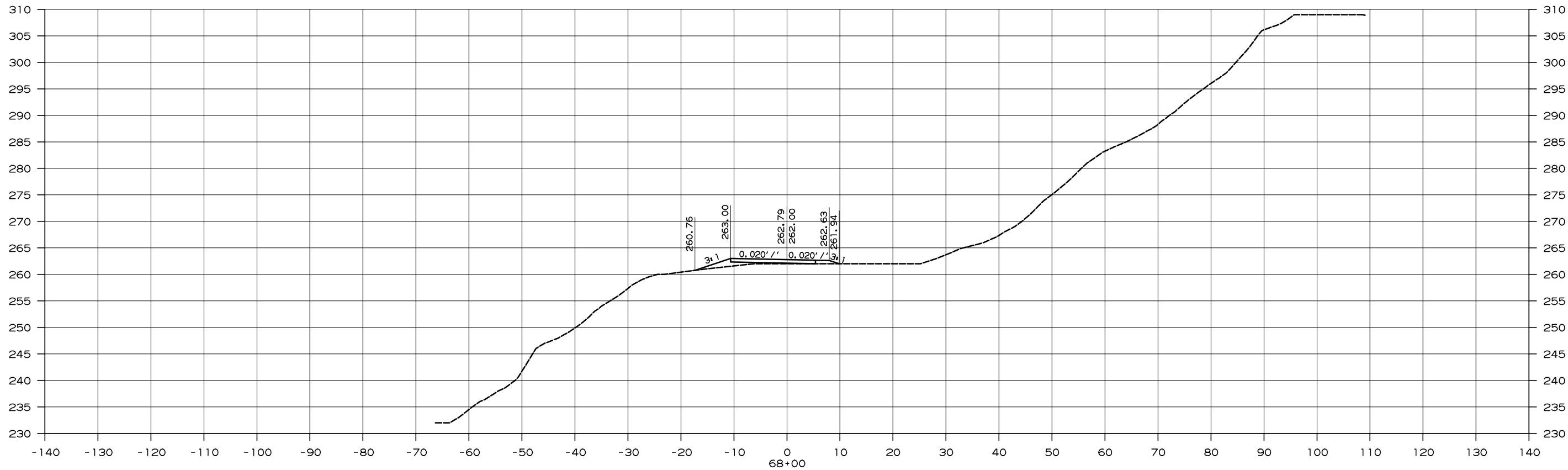
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




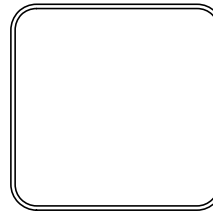
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SHEET NO. C-18



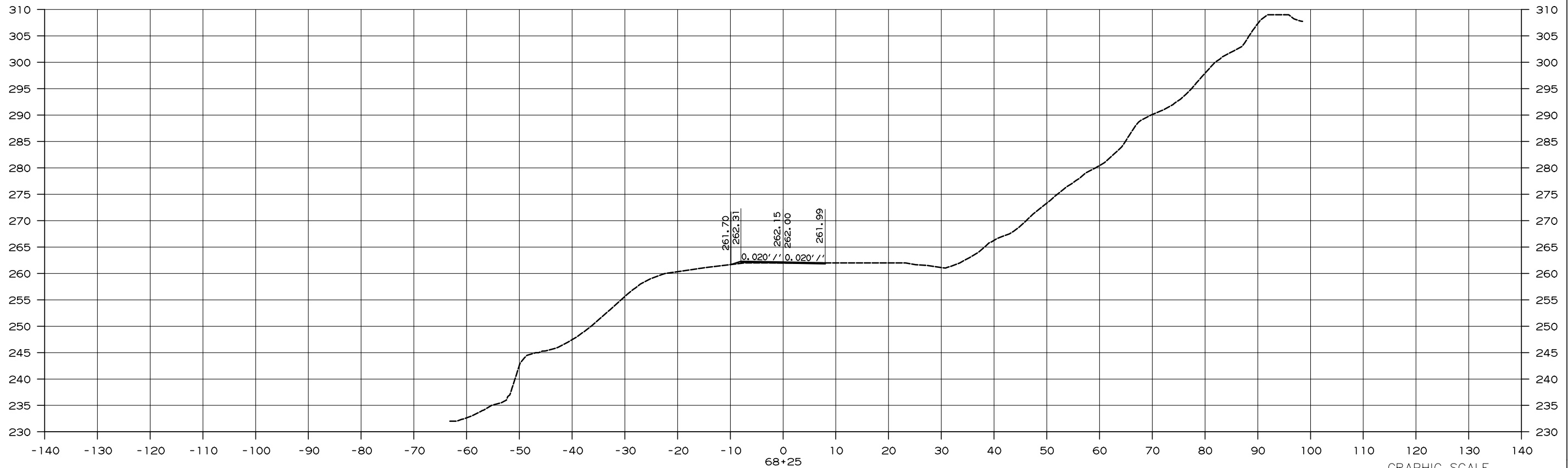
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




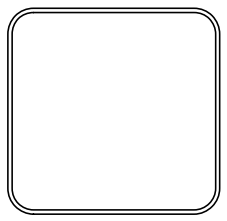
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SHEET NO.	C-19



REVISIONS	DATE

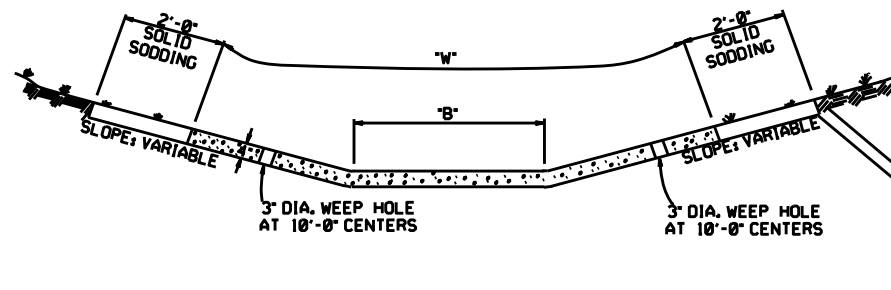
CITY OF LITTLE ROCK, ARKANSAS
ARKANSAS RIVER TRAIL FLAP CONNECTOR
 CROSS SECTIONS
 ARKANSAS RIVER TRAIL SHEET X


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



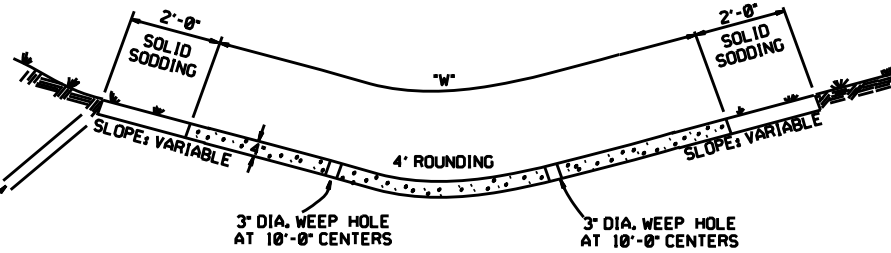
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SHEET NO.	C-20

REFER TO TABULATION OF QUANTITIES FOR "W" & "B" DIMENSIONS



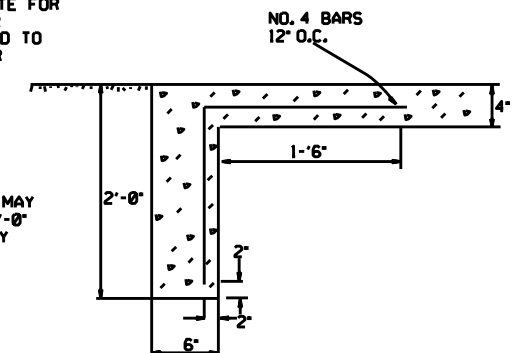
TYPE A

REFER TO TABULATION OF QUANTITIES FOR "W" DIMENSIONS



TYPE B

THE STEEL AND ADDITIONAL CONCRETE FOR THE WALLS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR "CONCRETE DITCH PAVING."



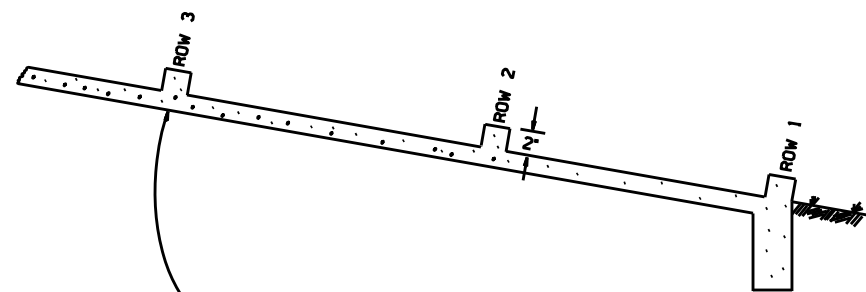
TOE WALL DETAIL FOR CONCRETE DITCH PAVING

GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.
TOE WALLS TO BE CONSTRUCTED FULL WIDTH AT EACH END OF DITCH PAVING, AND POURED MONOLITHICALLY.

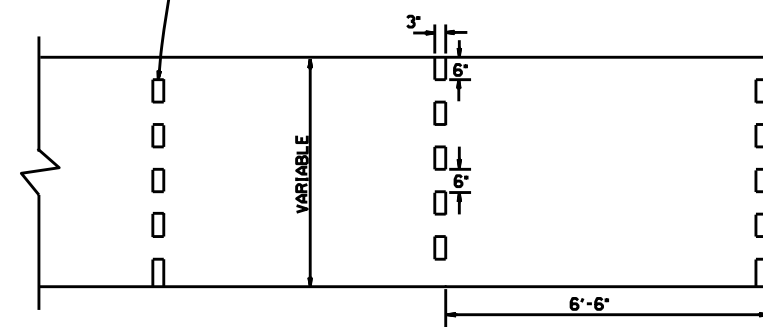
SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.

1' WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED

ENERGY DISSIPATORS TO BE USED FOR THE ENTIRE LENGTH OF DITCH WHEN SLOPE OF DITCH PAVING EXCEEDS 7%. THE DISSIPATORS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR CONCRETE DITCH PAVING.



ENERGY DISSIPATORS
(NO SCALE)

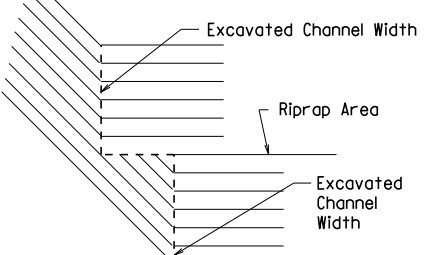
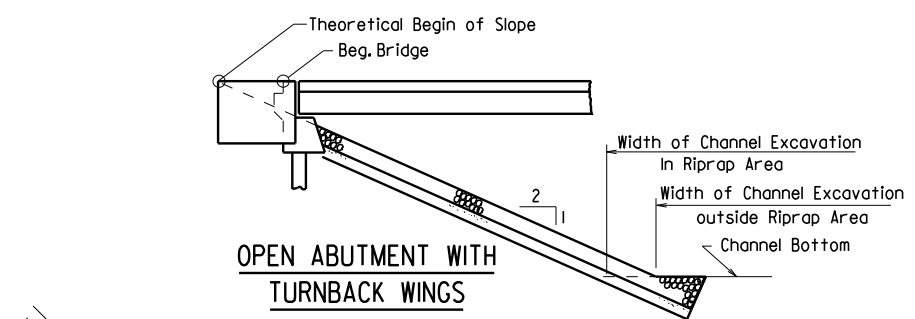
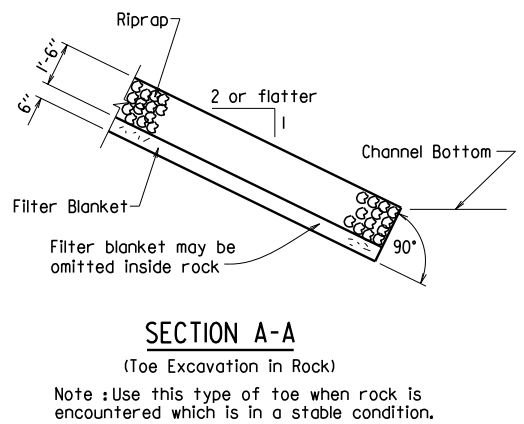
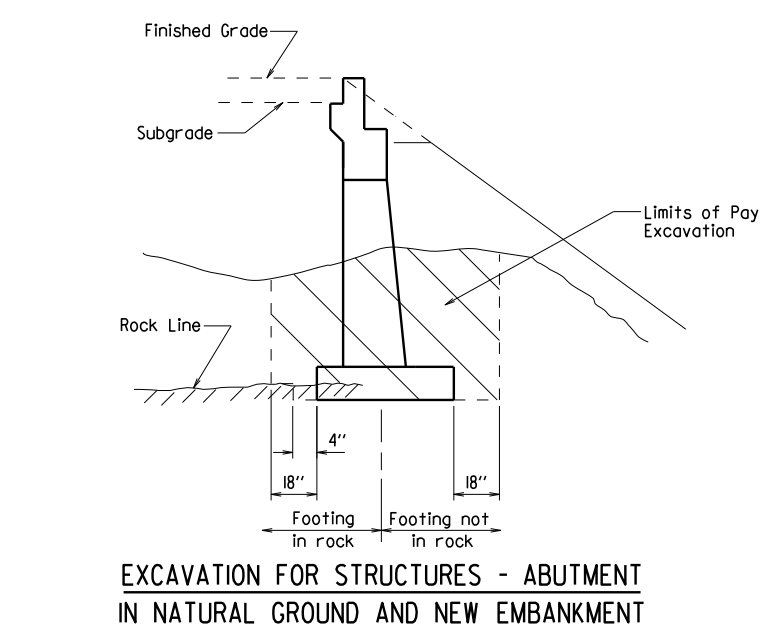
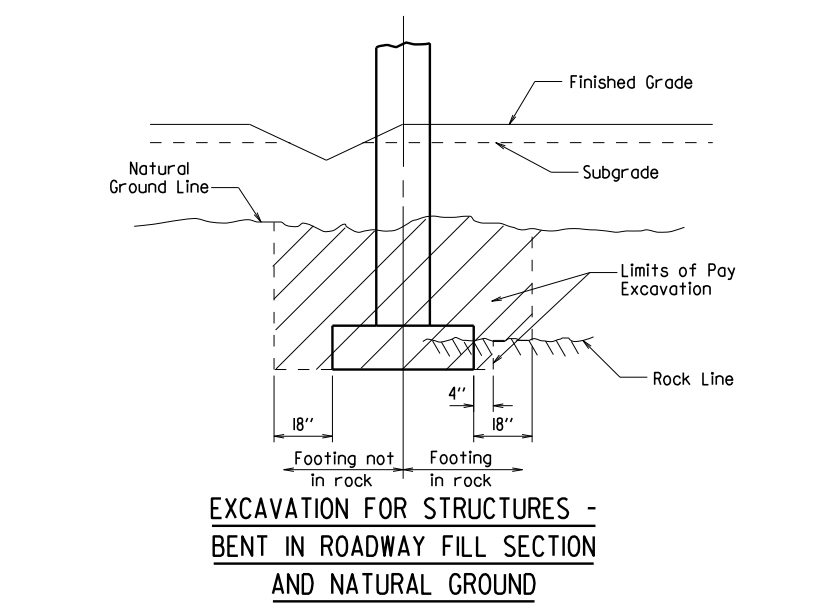
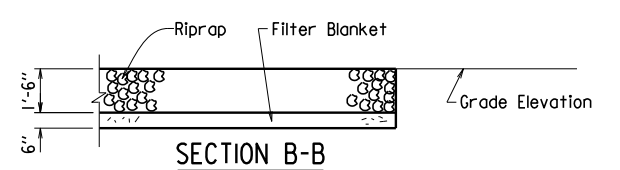
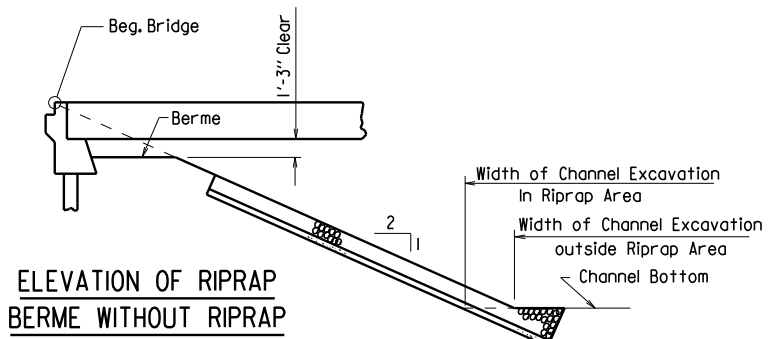
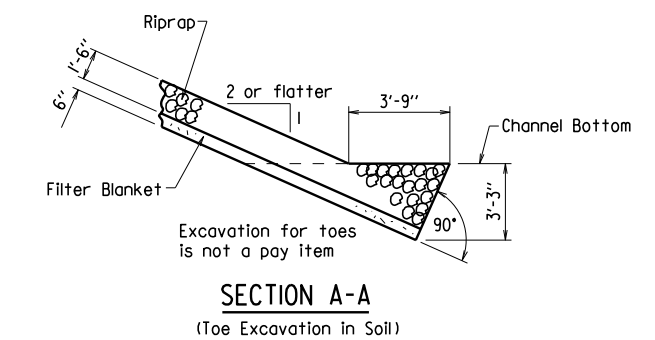
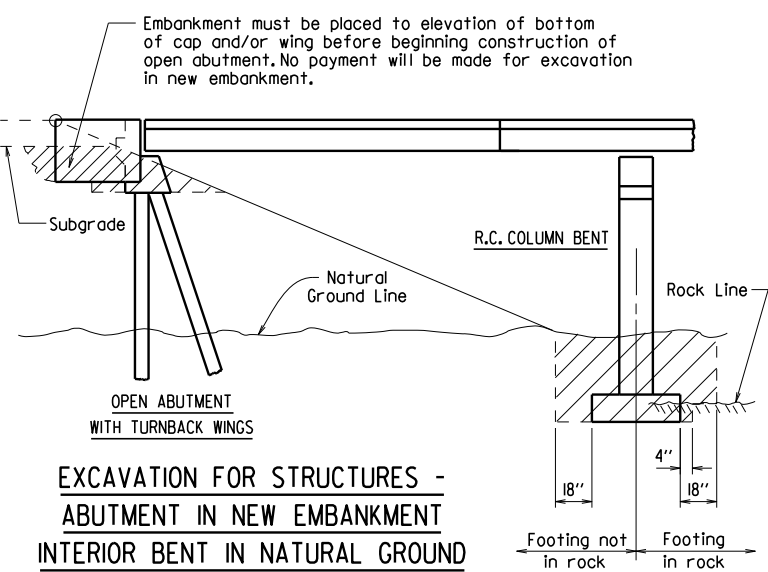
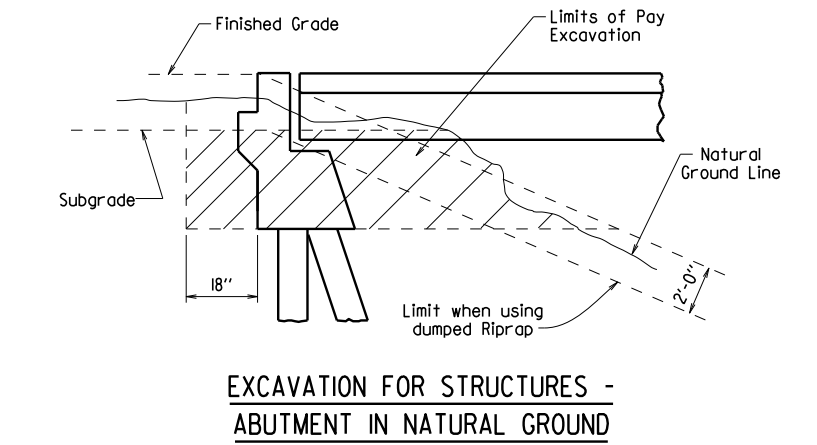
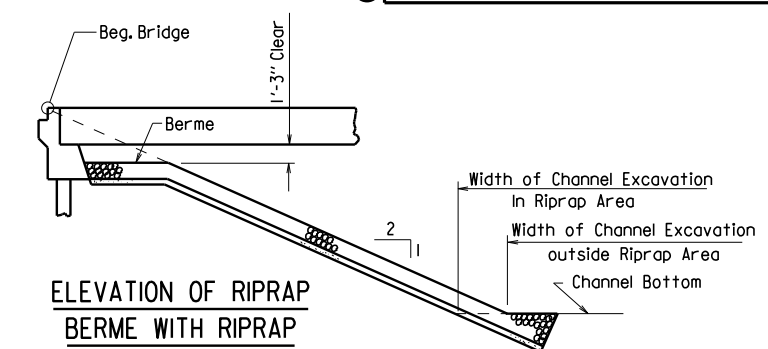
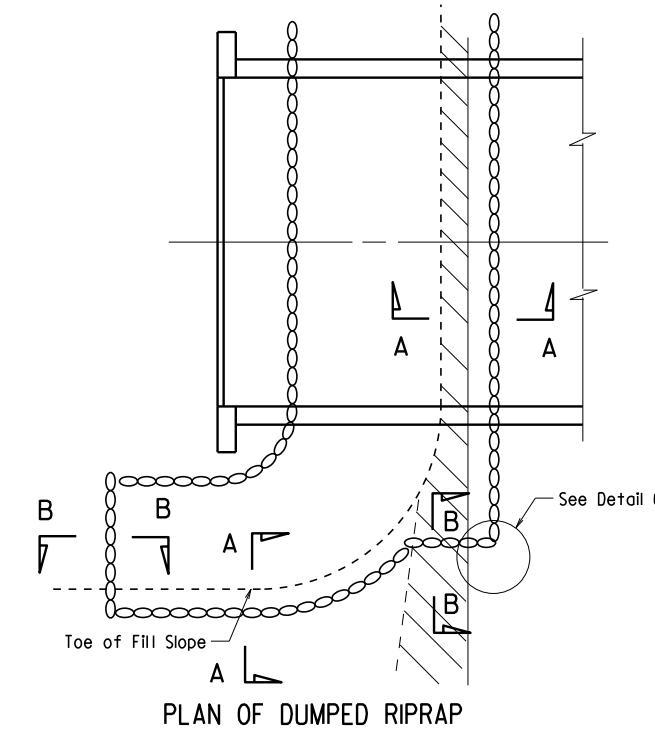
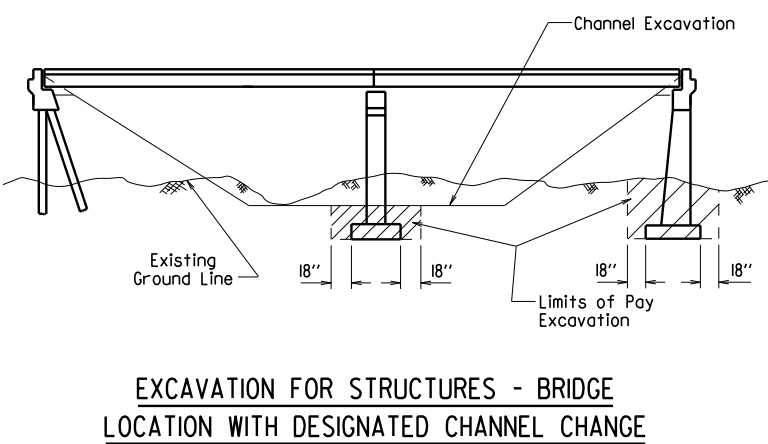
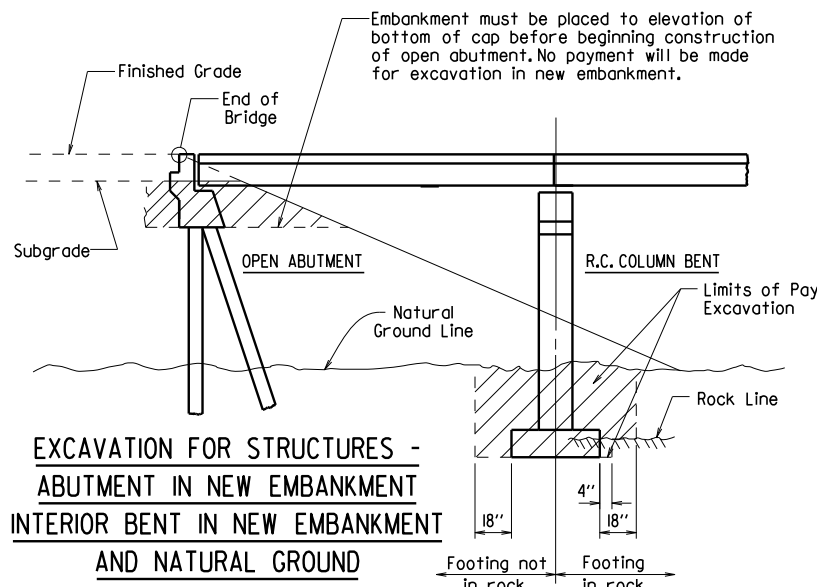
DATE	REVISION	DATE FILM'D
12-8-16	CORRECTED ENERGY DISSIPATOR DRAWING AND NOTE	
11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	653-7-15-88
4-3-87	REVISED ENERGY DISSIPATOR	671-4-3-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	632-1-9-87
11-3-86	ADDED NOTE TO ENERGY DISS.	639-12-1-86
11-1-84	ENERGY DISSIPATOR DETAILS ADDED	508-11-1-84
11-1-84	EXCAVATION DETAILS ADDED	
	TYPED A & B	
10-2-72	REVISED AND REDRAWN	508-10-2-72
	DATE	REVISION
		DATE FILM'D

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		RIPRAP & EXCAV. 55001		



Note: Use this type of toe when rock is encountered which is in a stable condition.

Note: In lieu of an aggregate filter blanket, a synthetic fiber geotextile fabric complying with the requirements of Subsection 816.02(e) may be used.

Note: Details for computing excavation for structures are included for information as to how plan quantities were calculated and for use when adjusting quantities when changing footing elevation.

STANDARD DETAILS FOR DUMPED RIPRAP AND FILTER BLANKET AND COMPUTING EXCAVATION FOR STRUCTURES

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 2-27-2014 FILENAME: b55001.dgn
 CHECKED BY: BEF DATE: 2-27-2014 SCALE: NO SCALE
 DESIGNED BY: STD. DATE:

DRAWING NO. 55001



TITLE

RETAINING WALL DETAILS
(8' MAXIMUM HEIGHT)

PW-54

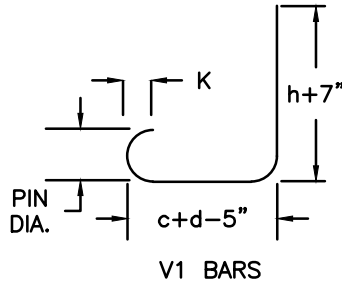
Issue Date

Revision Date

AUG, 2006

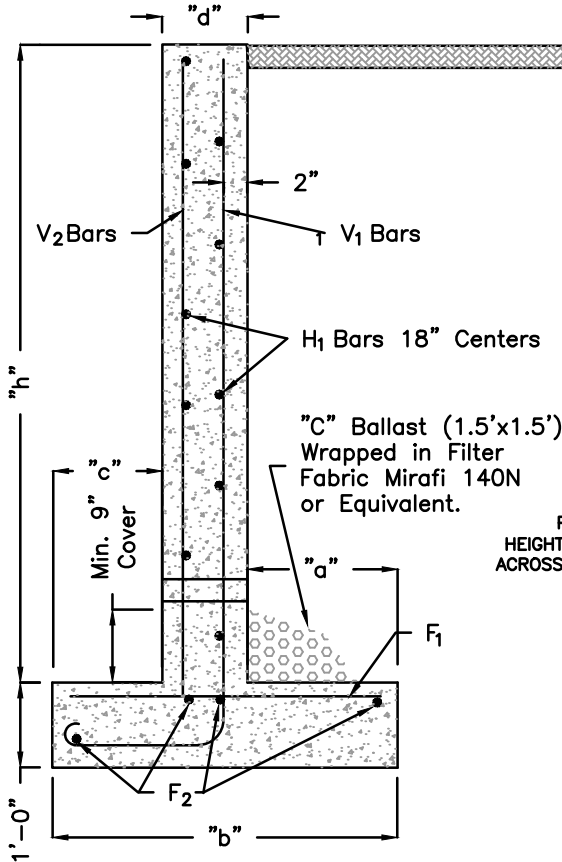
APR 2015

NOTE: IF WALL HEIGHT EXCEEDS 8' OR IF RETAINED EARTH SLOPES UP EXCEEDING 10% GRADE, THE WALL SHALL BE DESIGNED BY PROFESSIONAL ENGINEER WITH GEOTECHNICAL STUDY.



BENDING DIAGRAM

BAR SIZE	BAR	PIN DIA.
#4	4 1/2"	2 1/2"
#5	5"	3"

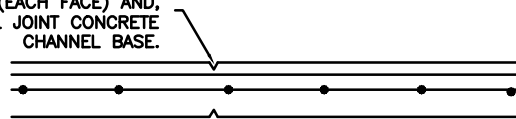


PROVIDE KEYWAY AT BASE OF WALL. KEYWAY NOT REQUIRED ON WALLS LESS THAN 4'.

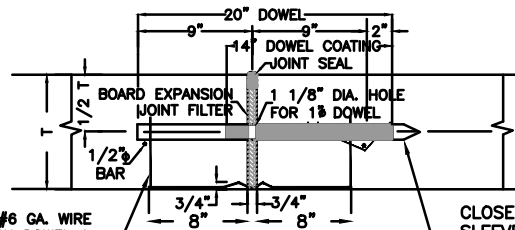
STEEL SCHEDULE

"h"	"c"	"d"	"a"	"b"	V ₁ bars		F ₁ bars		H ₁	V ₂	F ₂
					Size	Spacing	Size	Spacing	#4 bars Spac.	#4 bars Spac.	#4 bars Spac.
1'-0"	8"	8"	8"	2'-0"	#4	12"	#4	18"	18"	18"	5
2'-0"	8"	8"	8"	2'-0"	#4	12"	#4	18"	18"	18"	5
3'-0"	8"	8"	8"	2'-0"	#4	12"	#4	18"	18"	18"	5
4'-0"	8"	8"	1'-2"	2'-6"	#4	12"	#4	12"	18"	18"	5
5'-0"	8"	8"	1'-8"	3'-0"	#4	9"	#4	9"	18"	18"	5
6'-0"	8"	8"	2'-2"	3'-6"	#4	6"	#4	6"	18"	18"	6
7'-0"	12"	8"	2'-4"	4'-0"	#4	6"	#4	6"	18"	18"	6
8'-0"	12"	8"	2'-10"	4'-6"	#4	6"	#4	6"	18"	18"	6

PROVIDE 3/4" CHAMFER FULL HEIGHT OF WALL (EACH FACE) AND, ACROSS TOP. TOOL JOINT CONCRETE CHANNEL BASE.



CONTROL JOINT
USED AT 10' O.C. EACH SIDE
(TO ALIGN WITH FENCE POSTS)



DOWEL BAR CONSISTING OF MIN. #6 GA. WIRE CHAIR & DOWEL WOLDER AT EACH DOWEL & TWO 1/2" STEEL BARS AT EACH CHAIR. 3/4" EXPANSION JOINT AT 80' O.C.

EXPANSION JOINT
(DOWEL BARS TO BE 12" ON CENTER)

CLOSED END DOWEL BAR SLEEVE TO FIT DOWEL AND BE SECURED BY BAR TIE OR WELDING.

REINFORCED CONCRETE RETAINING WALL

2" WEEP HOLES (MAX. SPACING 10'-0" CTRS.) TO BE PLACED TO ALIGN WITH CONTROL JOINTS. ALL EXPOSED EDGES TO BE CHAMFERED 3/4".