



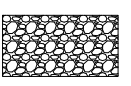



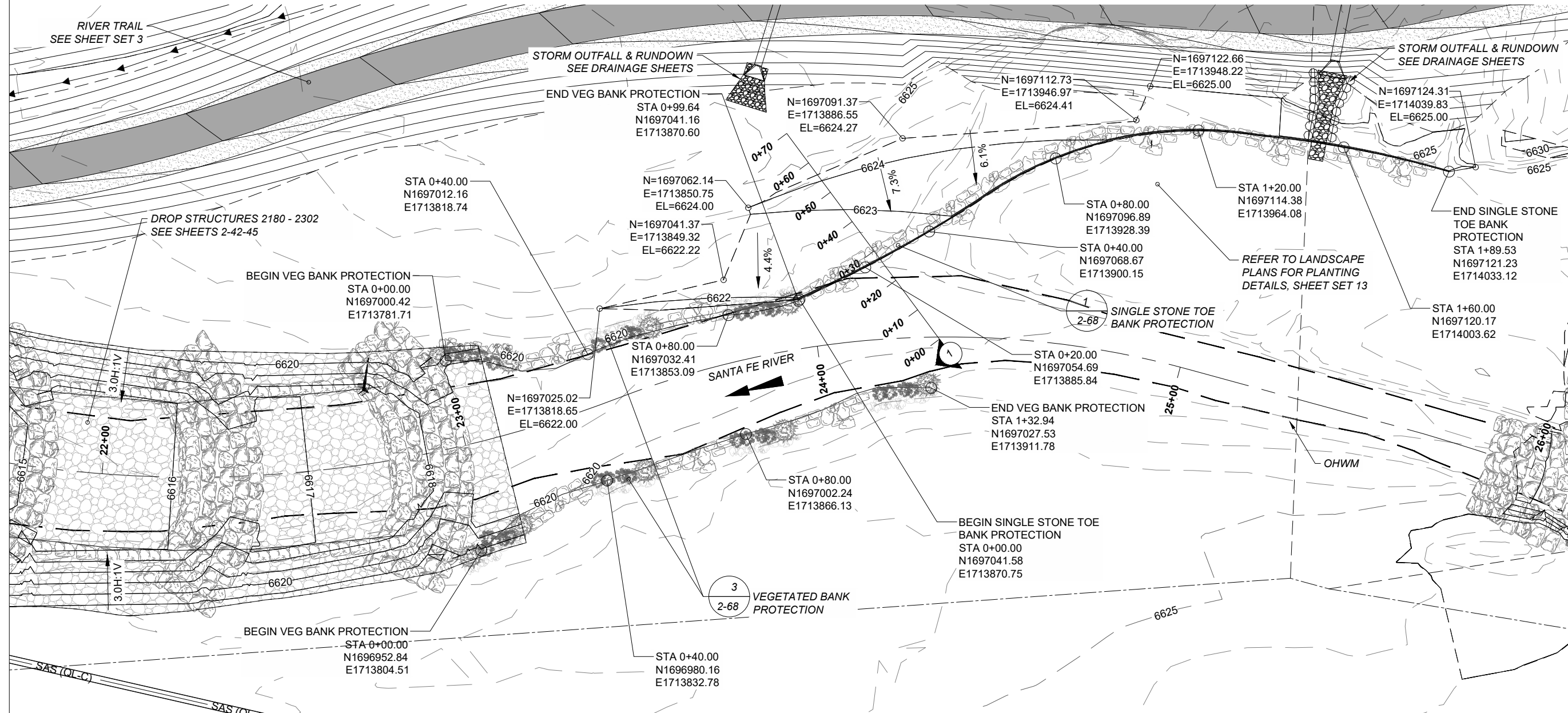


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 Approved: MM
 Checked: RKR
 Designer: SW
 Project Management Initials:
 Last saved by: CALVIN.SANCHEZ(2023-08-22) Last Plotted: 2023-08-24
 Filename: c:\pwworking\usm\dm\03256\SRFG_BANK_STRUC.dwg

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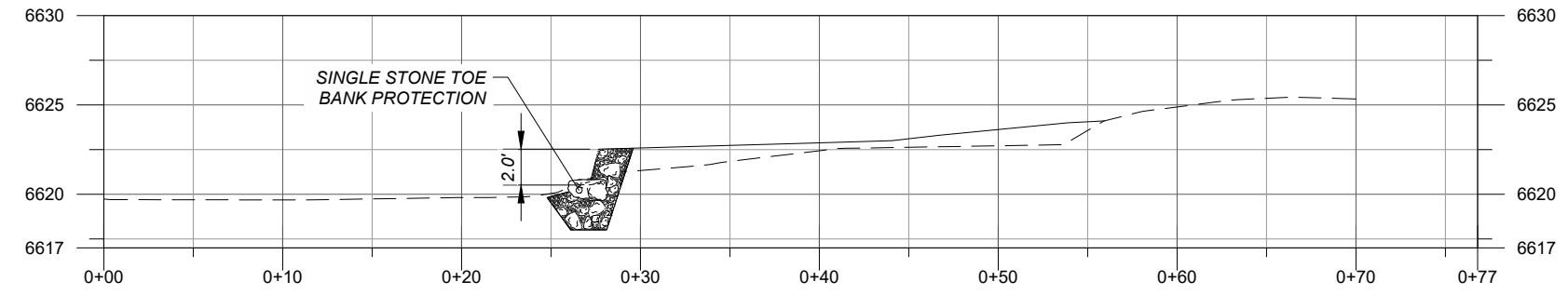
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-  STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
-  STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
-  RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
-  SELECT BACKFILL BEDDING MATERIAL 602011

-  FINISHED GRADE
-  EXISTING GRADE
-  ORDINARY HIGH WATER MARK (OHWM)



BANK PROTECTION 2500 PLAN

SCALE: 1" = 30'



TYPICAL CROSS SECTION 1

SCALE: 1" = 10'



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

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REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION



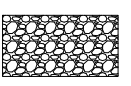




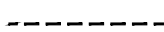
KEY PLAN

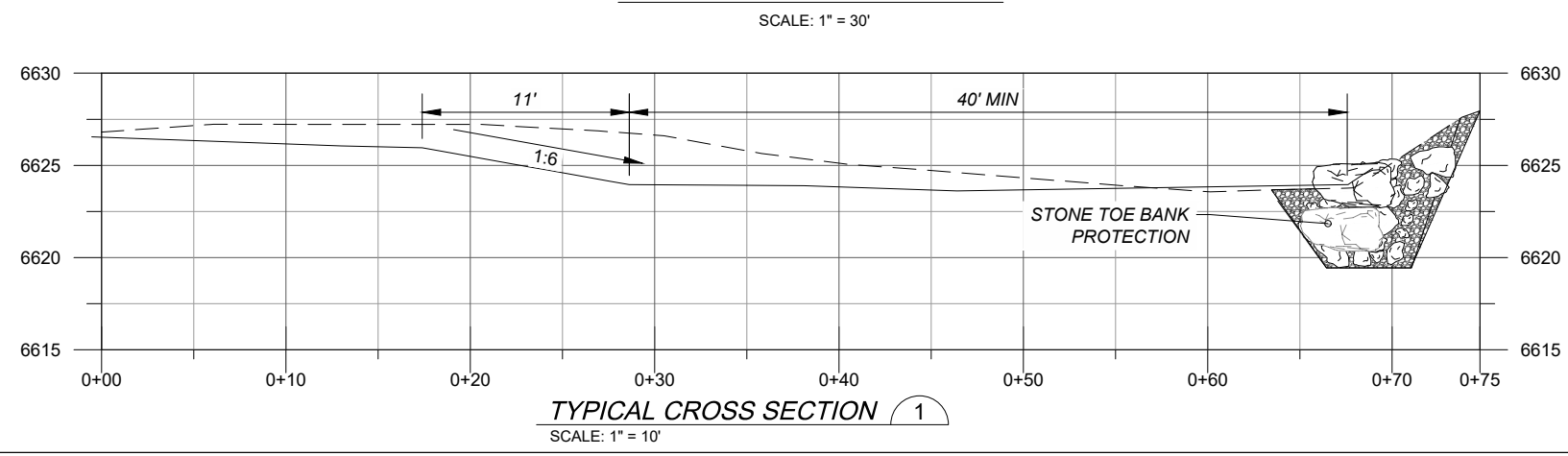
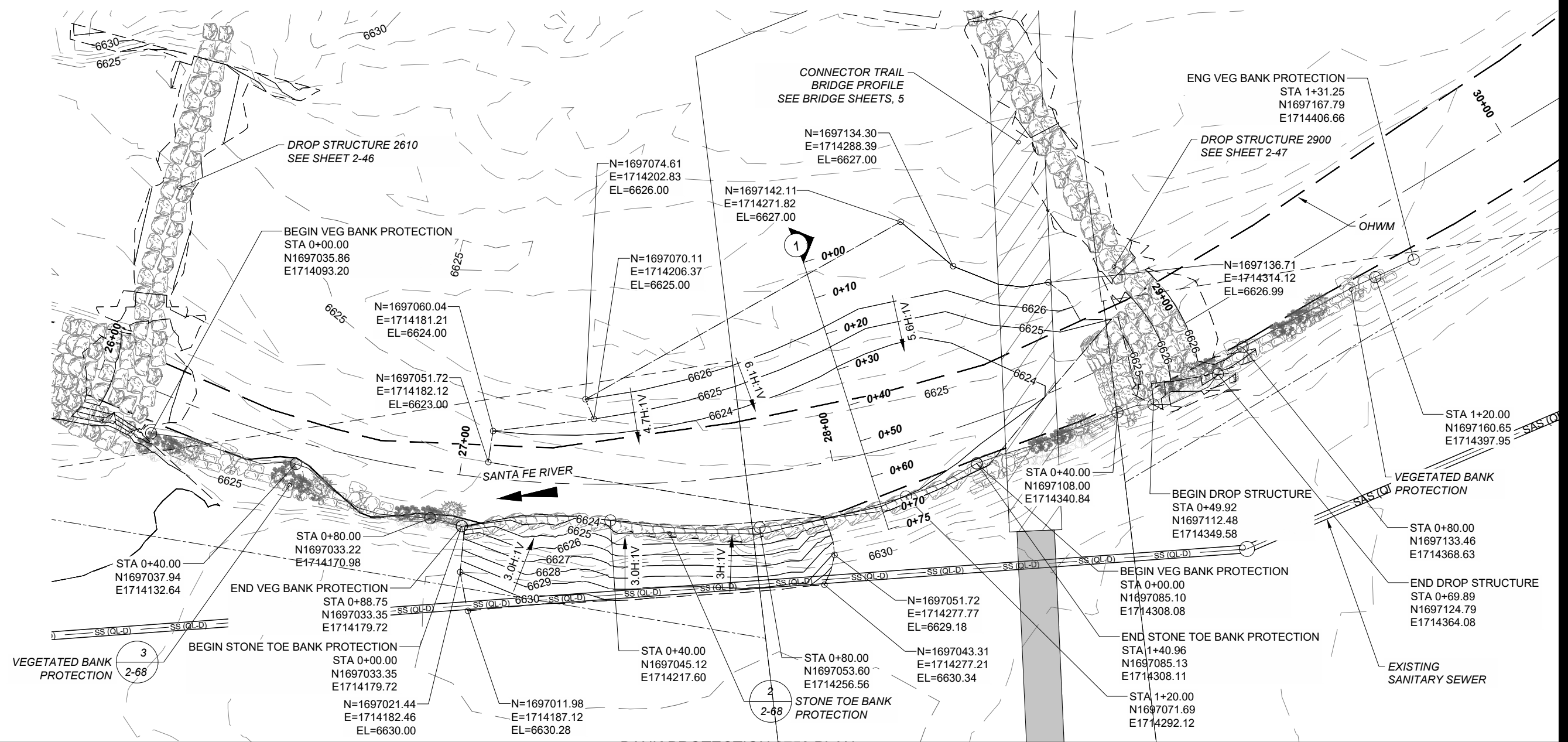
PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 2500

SHEET NUMBER
 2 - 58

LEGEND:

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 STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032	 RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031		 EXISTING GRADE
			 ORDINARY HIGH WATER MARK (OHWM)



PROJECT
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REGISTRATION







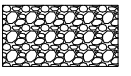


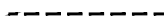
ISSUE/REVISION

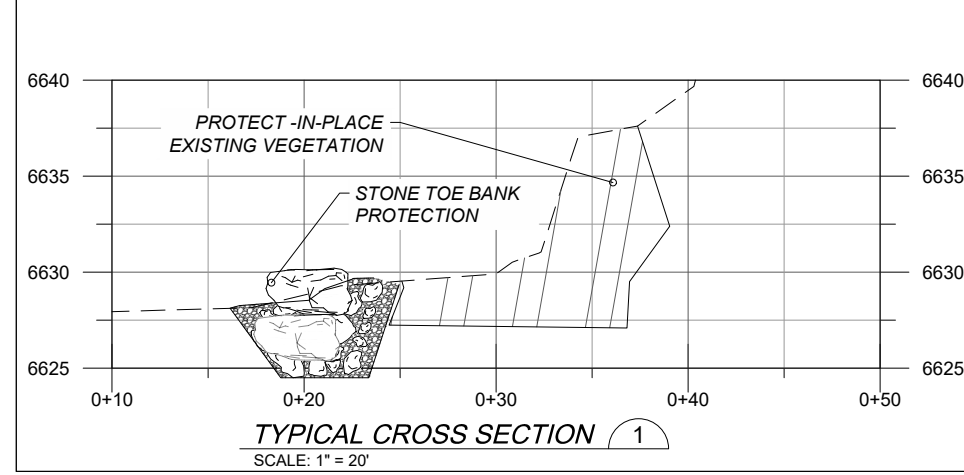
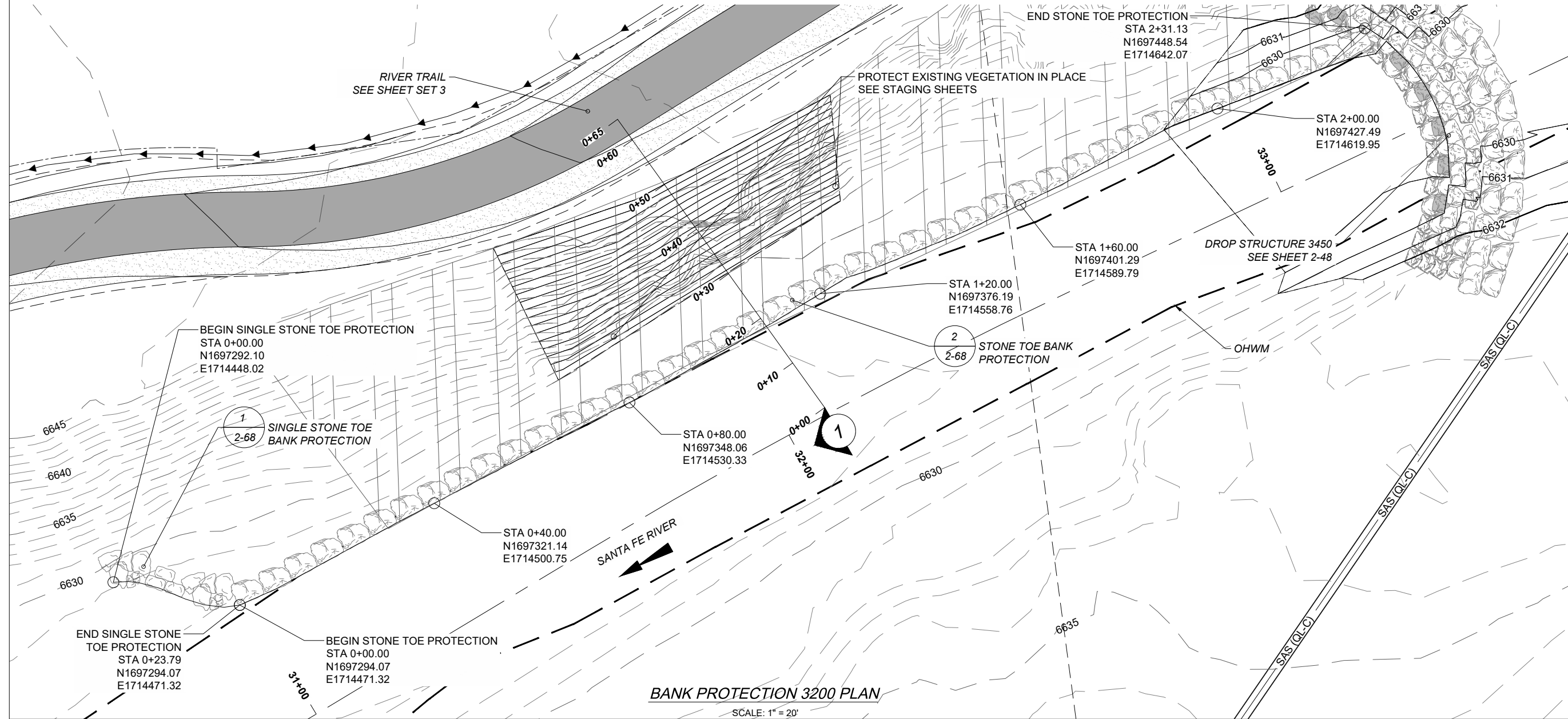
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708
SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 2750
SHEET NUMBER
 2 - 59

LEGEND:

-  HABITAT BOULDER 602032
-  STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
-  STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
-  RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
-  SELECT BACKFILL BEDDING MATERIAL 602011
-  FINISHED GRADE
-  EXISTING GRADE
-  ORDINARY HIGH WATER MARK (OHWM)



MINIMIZE DISTURBANCE WITHIN EXISTING VEGETATED AREA WHEN PLACING STONE TOE BANK PROTECTION. BANK PROTECTION TO BE PLACED AT TOE OF SLOPE.



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

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I/R	DATE	DESCRIPTION

KEY PLAN





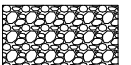



PROJECT NUMBER
 357-7708

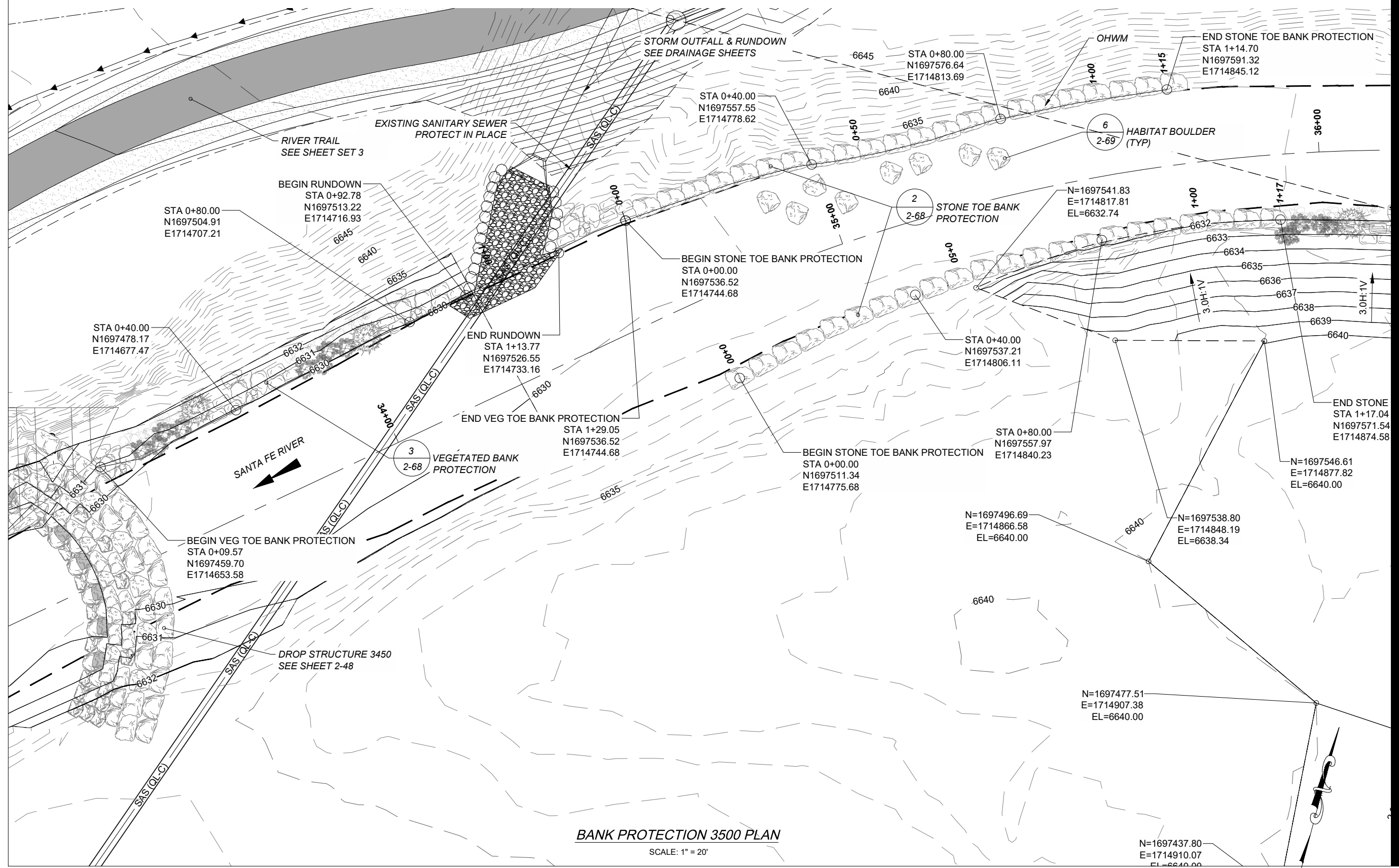
SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 3200

SHEET NUMBER
 2 - 60

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 Approved: MM
 Checked: RKR
 Designer: SW
 Project Management Initials:
 Last saved by: CALVIN.SANCHEZ(2023-08-22) - Last Plotted: 2023-08-24
 Filename: c:\pwworking\usm\dm\03256\SRFG_BANK_STRUC_S1TRUC.dwg

LEGEND:

-  HABITAT BOULDER 602032
-  STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
-  STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
-  RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
-  SELECT BACKFILL BEDDING MATERIAL 602011
-  FINISHED GRADE
-  EXISTING GRADE
-  ORDINARY HIGH WATER MARK (OHWM)



BANK PROTECTION 3500 PLAN
 SCALE: 1" = 20'



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 GREENWAY PROJECT
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I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 3500

SHEET NUMBER
 2 - 61

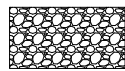
LEGEND:



HABITAT BOULDER
602032



STRUCTURE BOULDER - BELOW
FINISHED GRADE
602032



SELECT BACKFILL BEDDING
MATERIAL
602011



STRUCTURE BOULDER - ABOVE
FINISHED GRADE
602032



RIPRAP (CLASS D OR CLASS 7)
602030 OR 602031

———— FINISHED GRADE

----- EXISTING GRADE

----- ORDINARY HIGH WATER MARK
(OHWM)

1. OVERBANK MATERIAL SHOULD BE SCREENED AND REPURPOSED.
2. REVEGETATE ALL DISTURBED AREAS. SEE LANDSCAPE SHEETS.



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

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I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

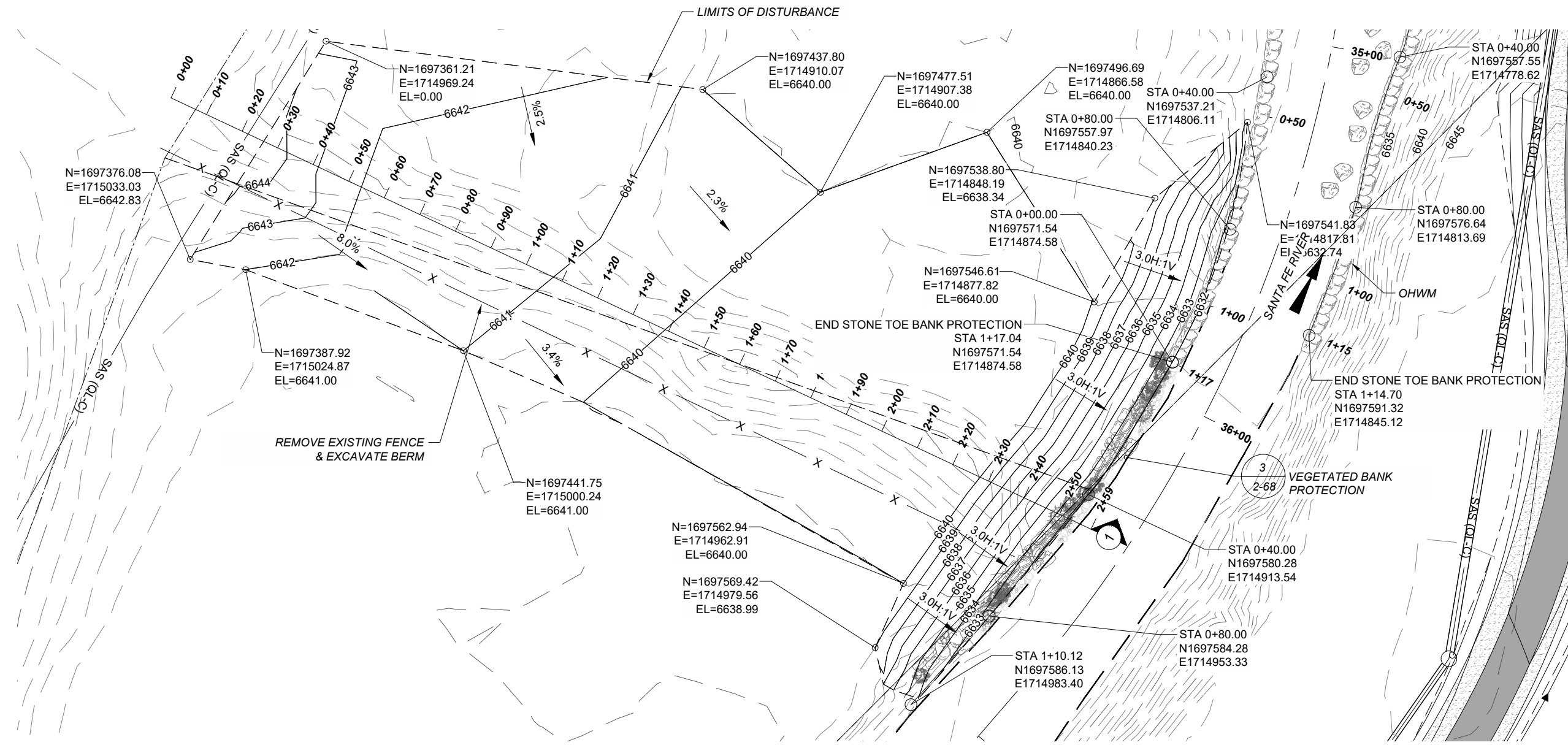
357-7708

SHEET TITLE

SANTA FE RIVER
BANK STRUCTURE 3600

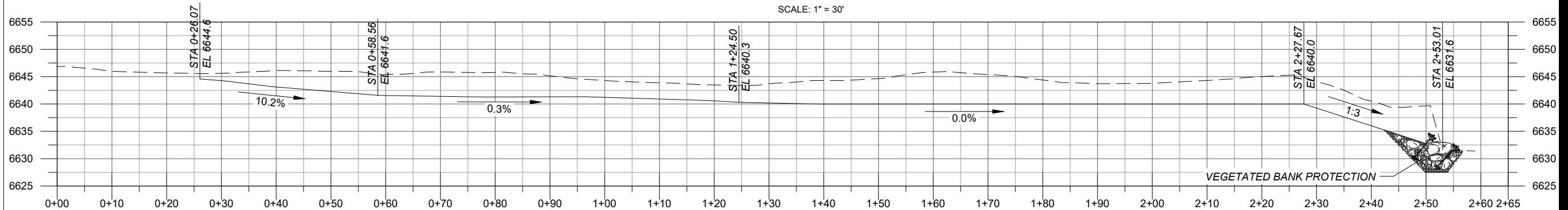
SHEET NUMBER

2 - 62



BANK PROTECTION 3600 & GRADING PLAN





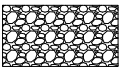



SCALE: 1" = 30'

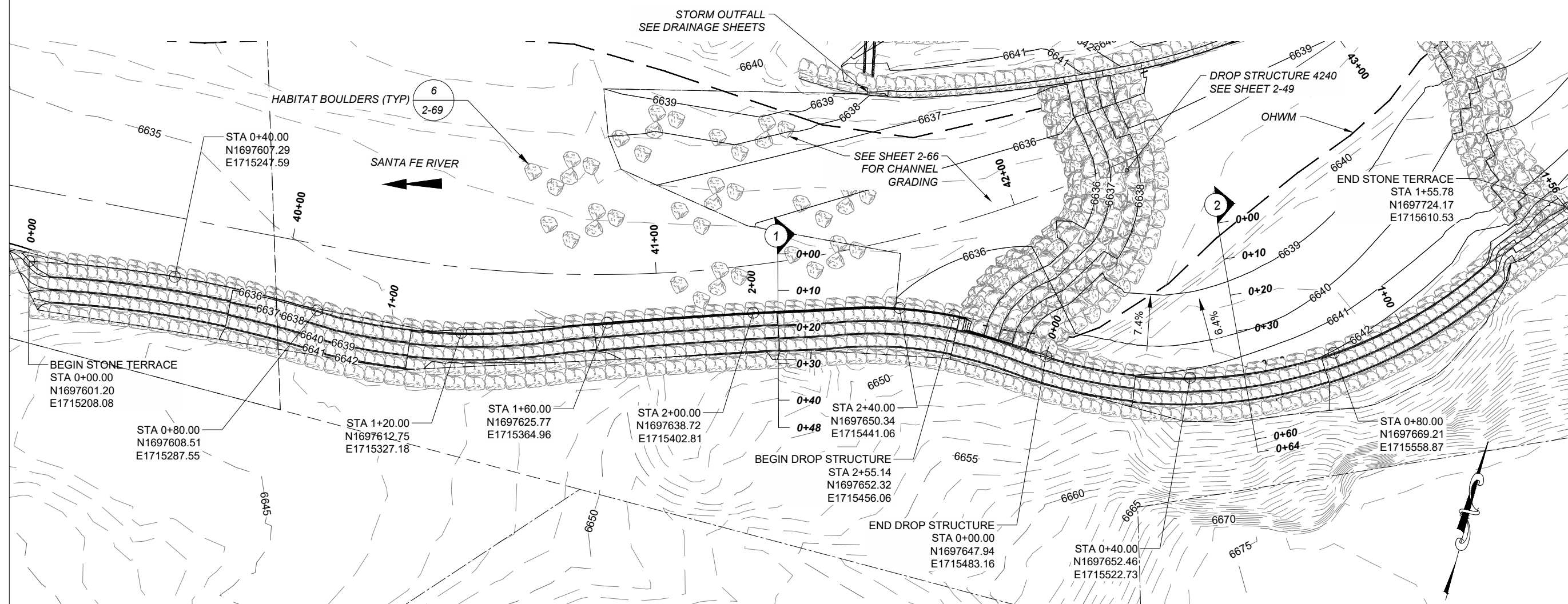


TYPICAL CROSS SECTION 1

SCALE: 1" = 20'

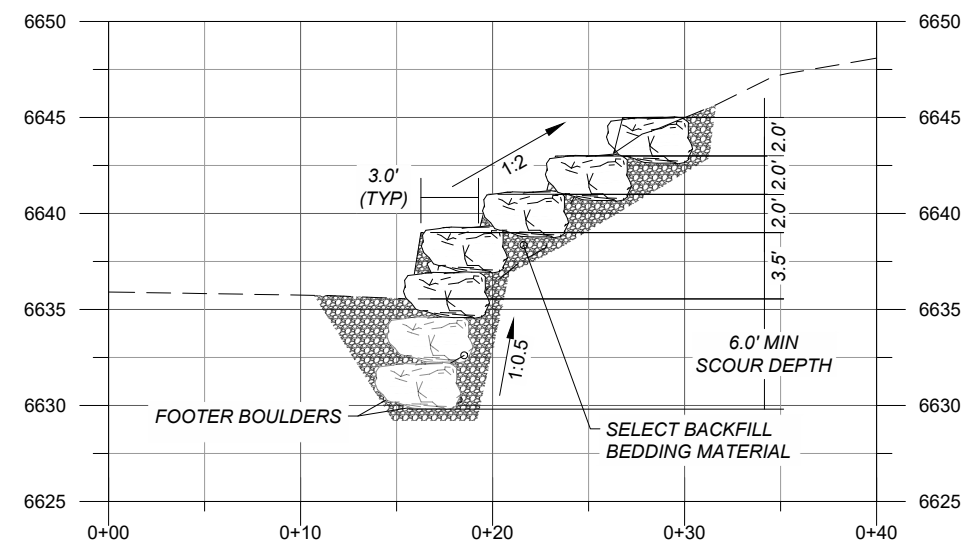
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-  STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
-  STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
-  RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
-  SELECT BACKFILL BEDDING MATERIAL 602011
-  FINISHED GRADE
-  EXISTING GRADE
-  ORDINARY HIGH WATER MARK (OHWM)

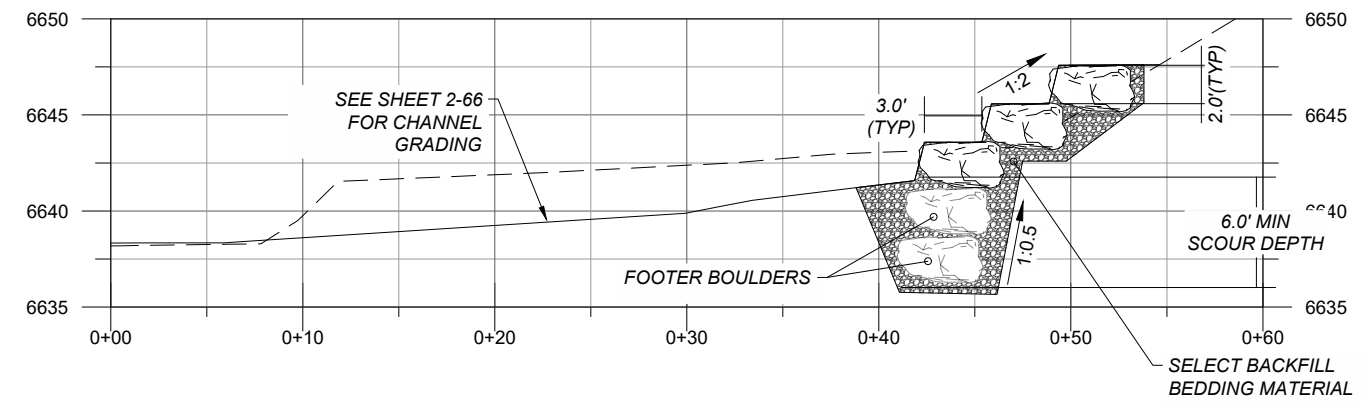


BANK PROTECTION 4150 PLAN

SCALE: 1" = 30'



STONE TOE TERRACE TYP SECTION 1
 SCALE: 1" = 10'



STONE TOE TERRACE TYP SECTION 2
 SCALE: 1" = 10'



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

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REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 4150

SHEET NUMBER
 2 - 63

LEGEND:

- HABITAT BOULDER 602032
- STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
- STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
- RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
- SELECT BACKFILL BEDDING MATERIAL 602011
- FINISHED GRADE
- EXISTING GRADE
- ORDINARY HIGH WATER MARK (OHWM)

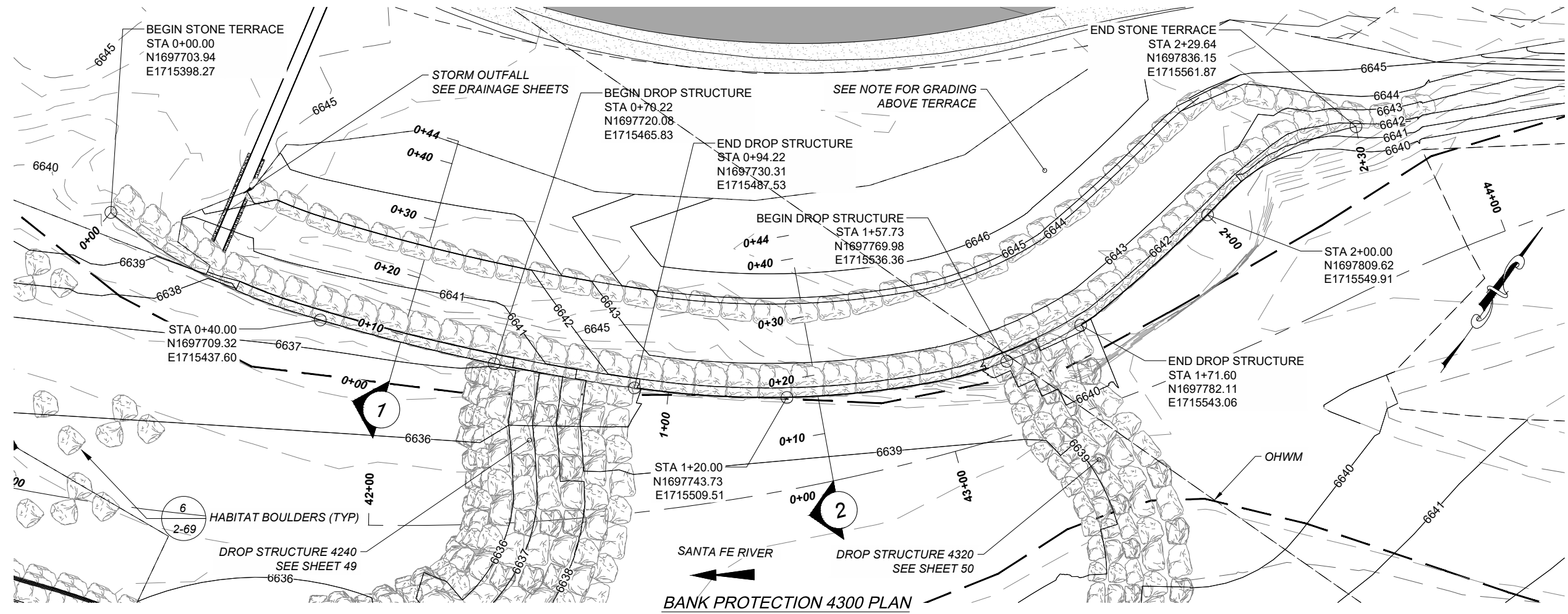
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PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

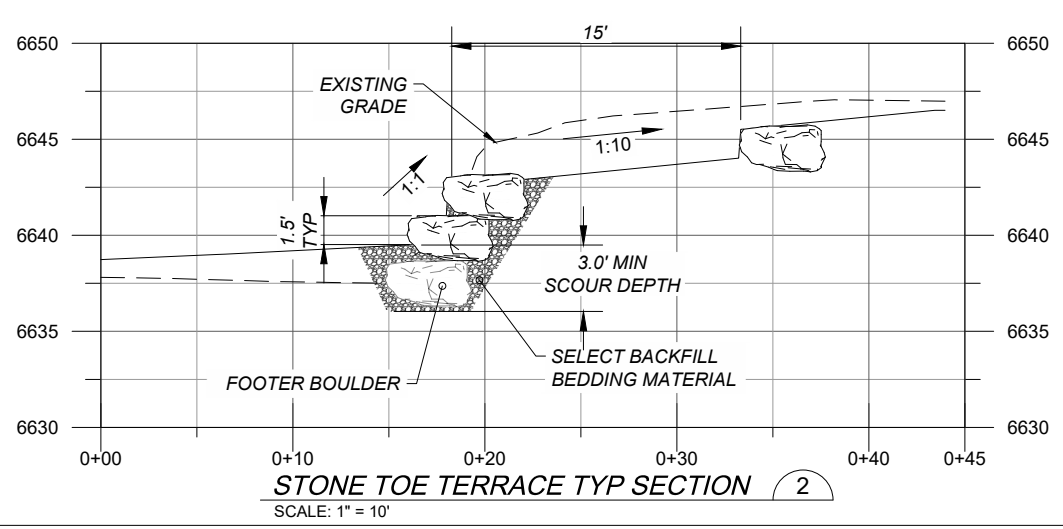
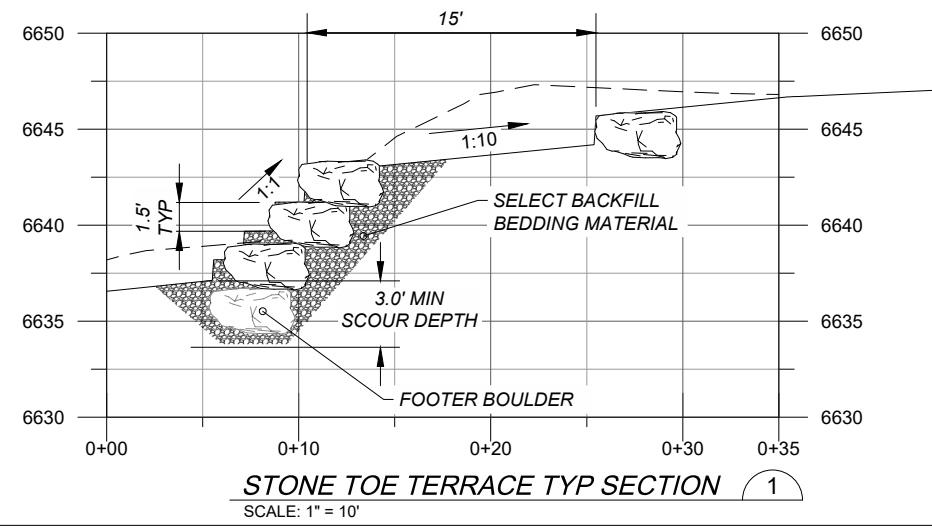
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BANK PROTECTION 4300 PLAN
 SCALE: 1" = 20'



REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION



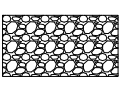





KEY PLAN

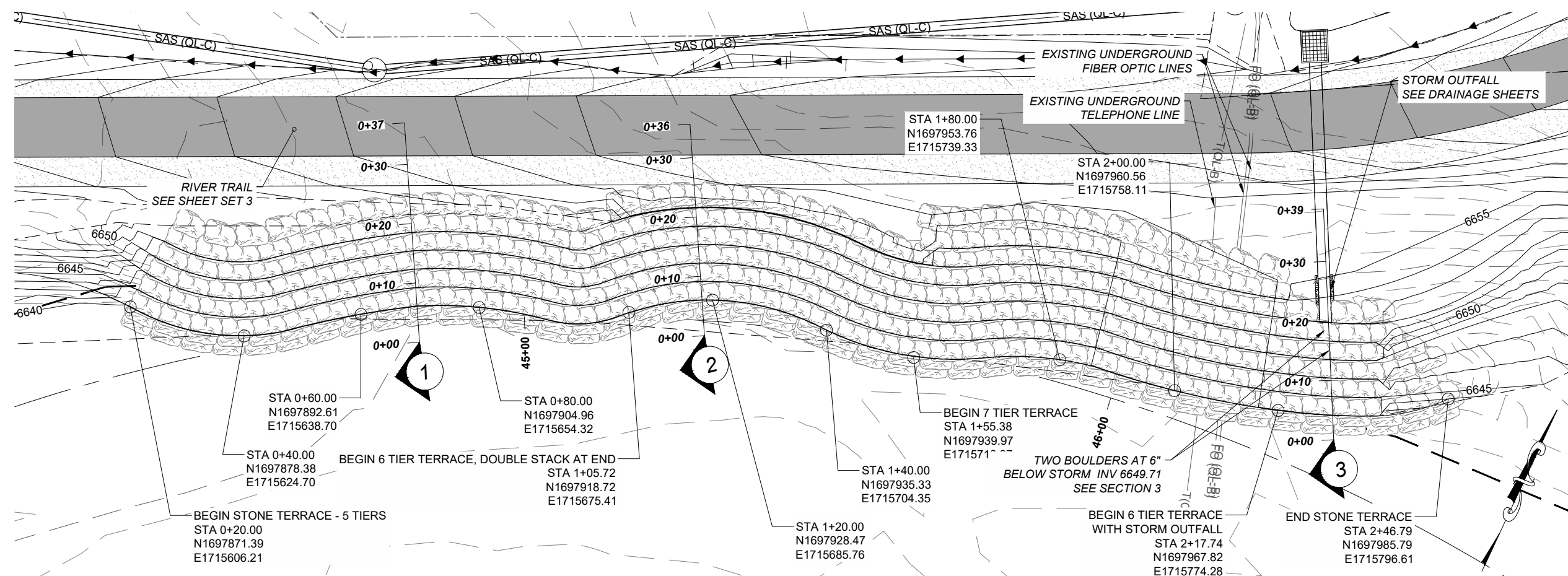
PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 4300

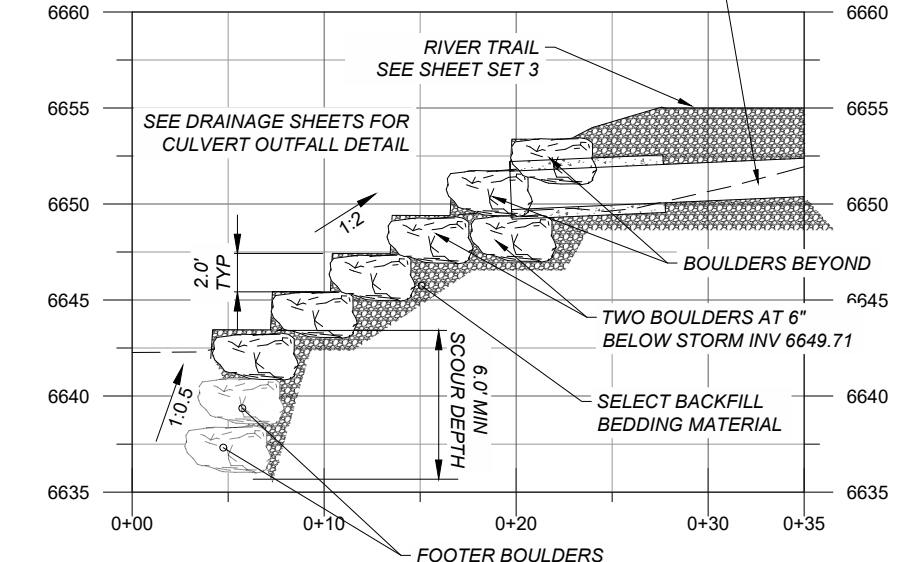
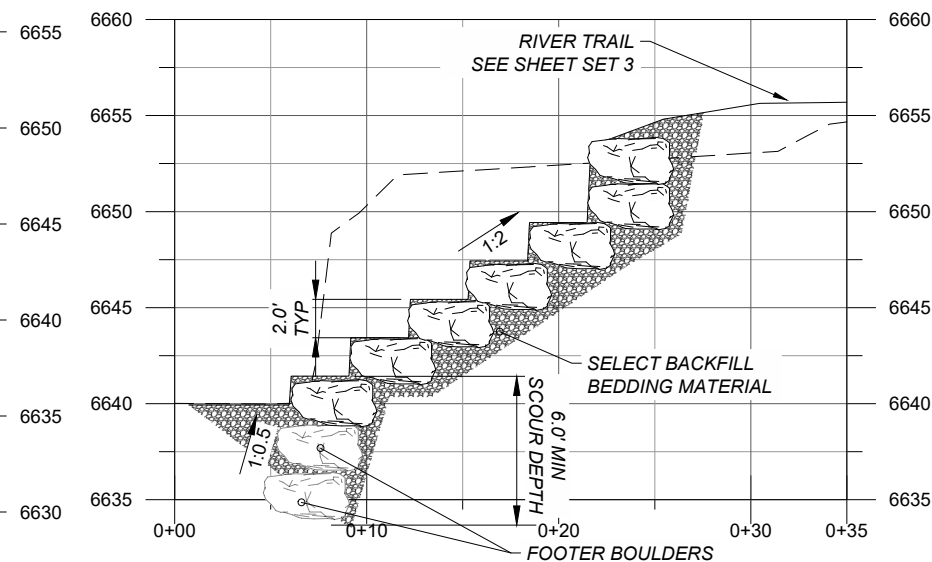
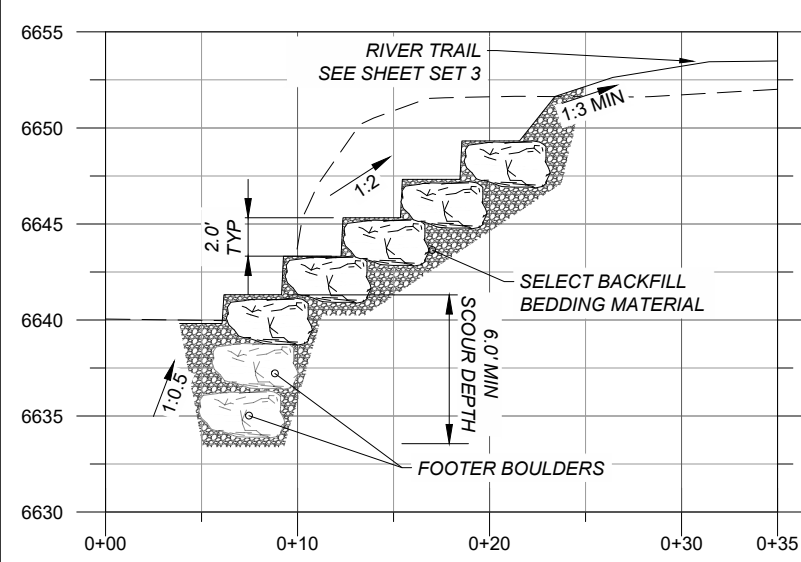
SHEET NUMBER
 2 - 64

LEGEND:

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	STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032		RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031		EXISTING GRADE		ORDINARY HIGH WATER MARK (OHWM)



BANK PROTECTION 4530 PLAN
 SCALE: 1" = 20'



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

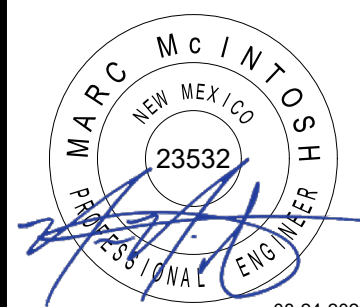
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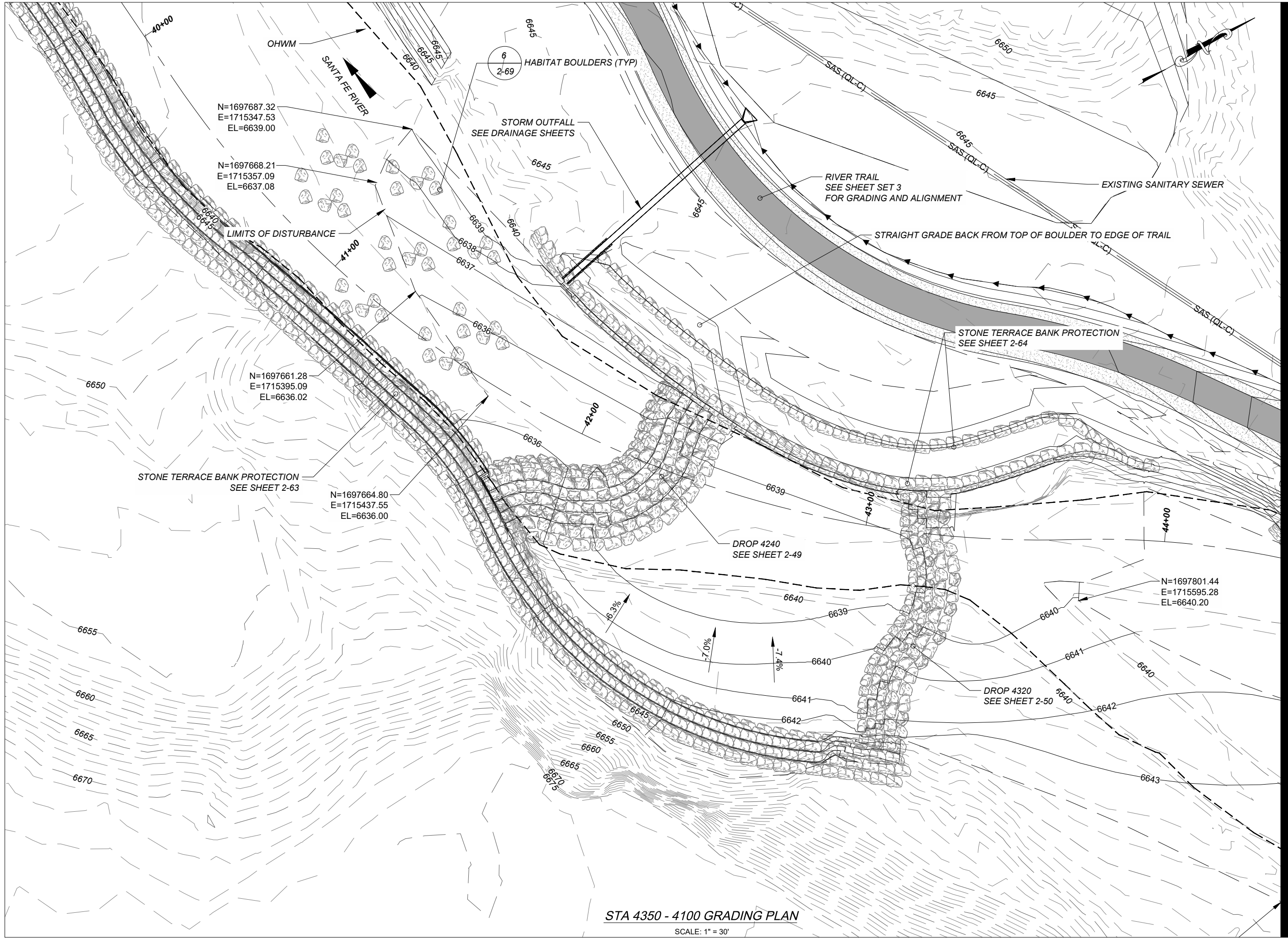
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KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 BANK STRUCTURE 4530

SHEET NUMBER
 2 - 65



STA 4350 - 4100 GRADING PLAN
 SCALE: 1" = 30'

PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

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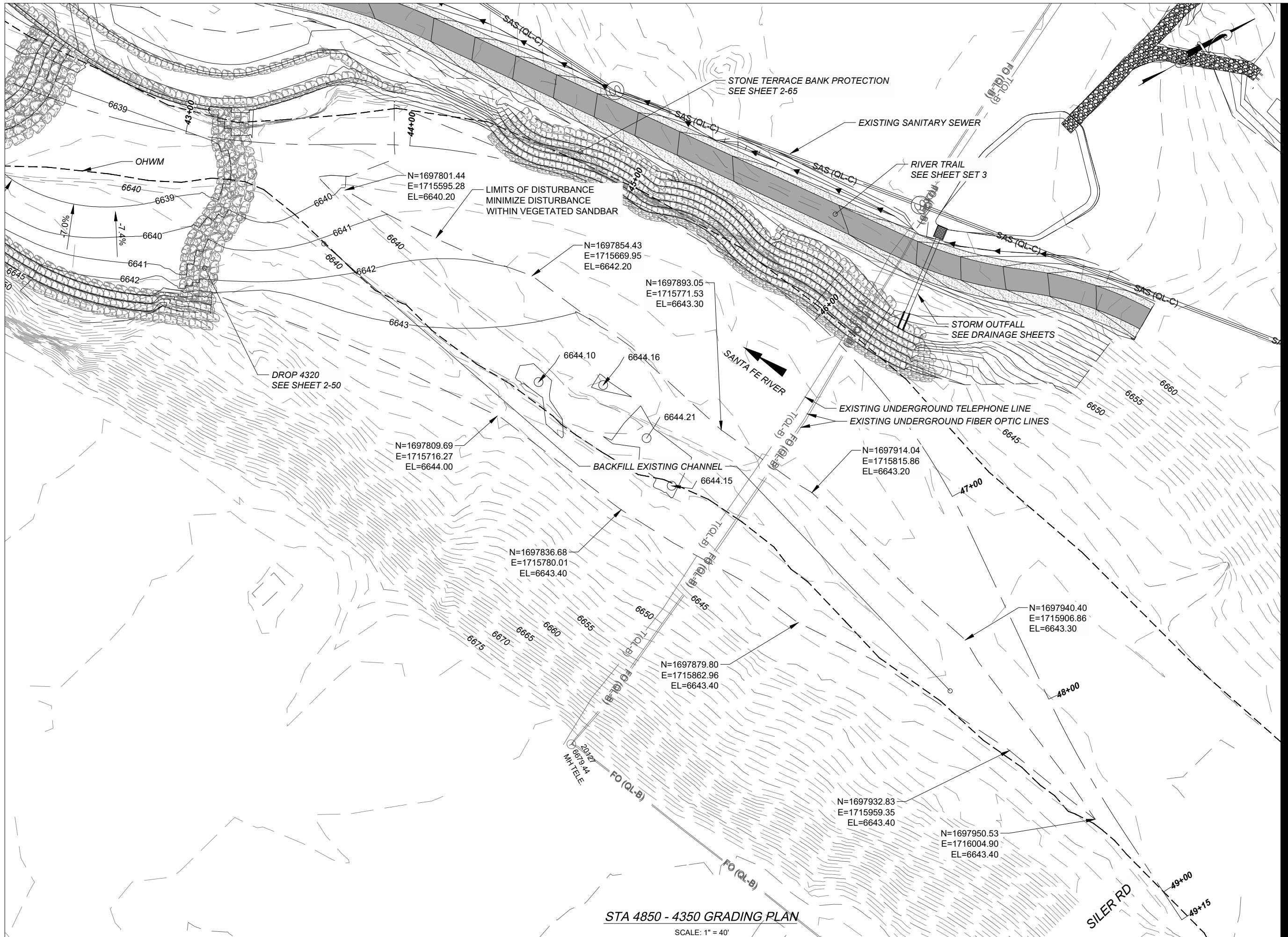


ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708
SHEET TITLE
 SANTA FE RIVER
 CHANNEL GRADING
SHEET NUMBER
 2 - 66

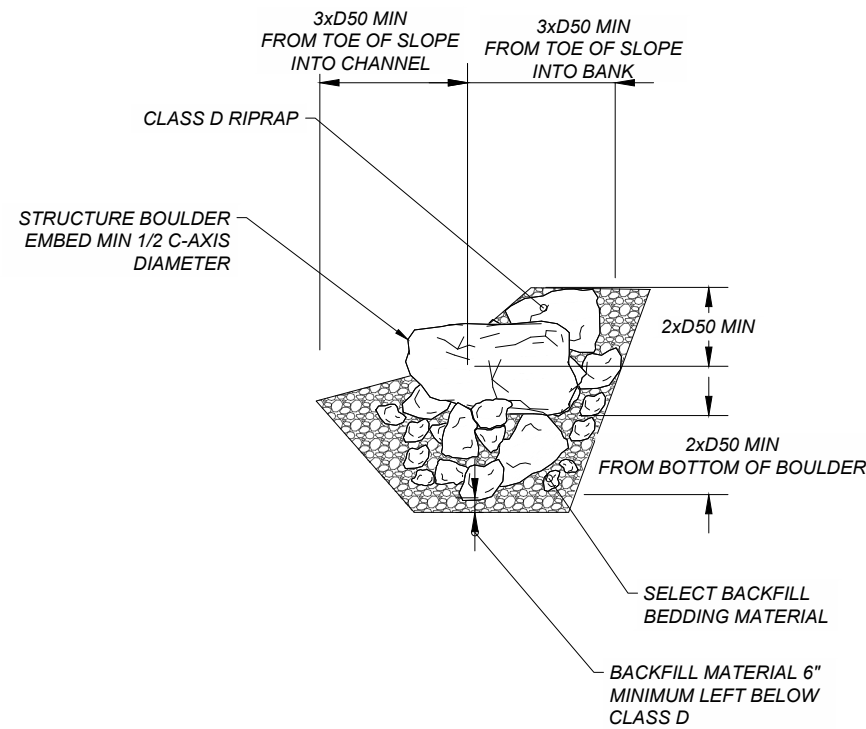


STA 4850 - 4350 GRADING PLAN
SCALE: 1" = 40'

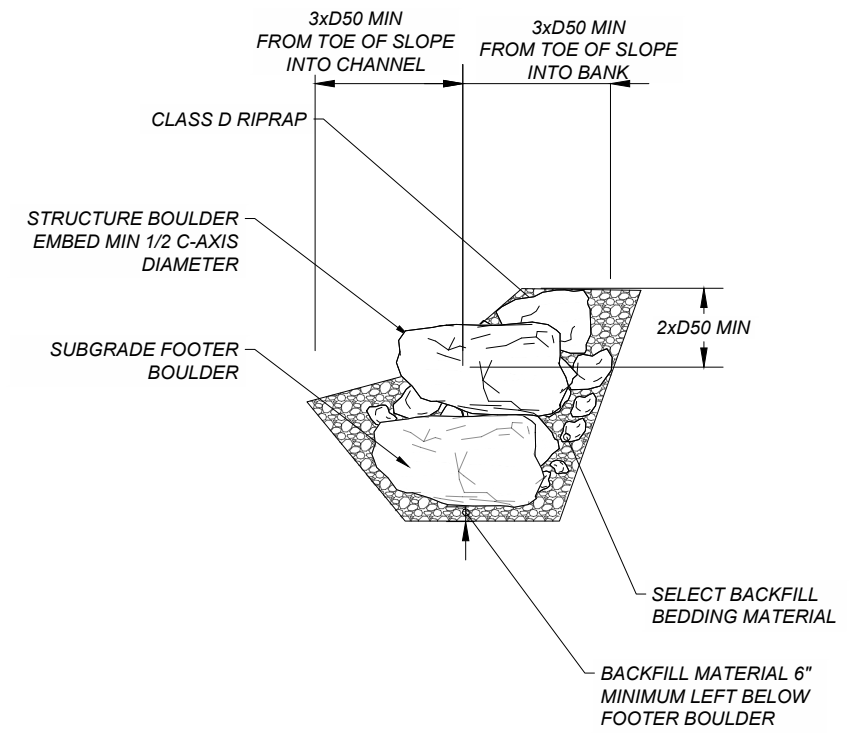


08-24-2023

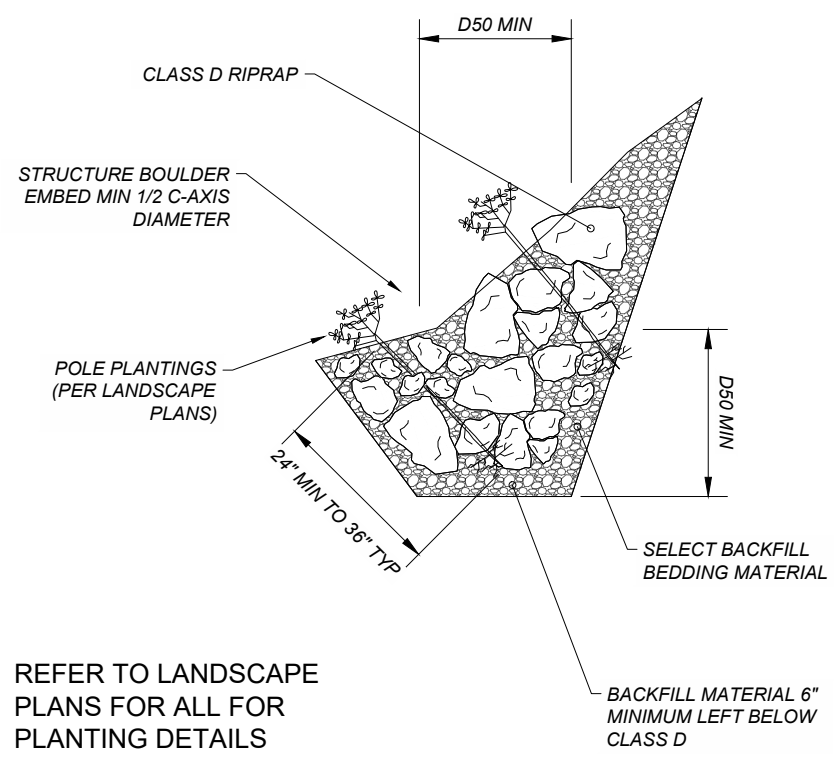
I/R	DATE	DESCRIPTION



STONE TOE BANK PROTECTION - ONE BOULDER (1)



STONE TOE BANK PROTECTION - TWO BOULDERS (2)



REFER TO LANDSCAPE PLANS FOR ALL FOR PLANTING DETAILS

VEGETATED BANK PROTECTION (3)

GENERAL NOTES:

1. CONTRACTOR TO FIELD CHECK AND VERIFY LOCATION AND DEPTHS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION
2. RESEED ALL DISTURBED AREAS. SEE PLANTING PLANS SHEETS XX
3. ALL STONE TOE BANK PROTECTION TO BE STRUCTURE BOULDERS. SEE SPECIFICATIONS FOR BOULDER GRADATIONS.
4. BACKFILL BANK PROTECTION AND FILL VOIDS WITH SELECT BACKFILL BEDDING MATERIAL.
5. CLASS D RIPRAP FOR STONE TOE BANK PROTECTION SHALL BE PLACED TO A MINIMUM DEPTH OF 2 x D50 BELOW THE SURFACE STRUCTURE BOULDER.
6. IMBRICATE GEOTEXTILE WITH OVERLAP DOWNSTREAM TO UPSTREAM UNDER ALL DROP STRUCTURES.
7. MINIMUM 1.0 FT BEDDING MATERIAL LIFT BELOW ALL DROP BOULDERS.
8. CONSTRUCT DROP STRUCTURES DOWNSTREAM TO UPSTREAM, STACKING BOULDERS WITH MAXIMUM INTERLOCKING CONTACT.
9. WHERE DROP STRUCTURES AND BANK PROTECTION STRUCTURES INTERCEPT, BUILD AS A CONTINUOUS STRUCTURE AND MINIMIZE GAPS BETWEEN.
10. COMPACT EXCAVATION PRIOR TO PLACEMENT OF GEOTEXTILE.
11. REFER TO DETAIL 7 FOR CONSTRUCTION TOLERANCES.
12. SEE SPECIFICATIONS FOR BOULDER, RIPRAP AND BEDDING GRADATIONS.
13. CONSTRUCTION OF DROP STRUCTURES AND BANK PROTECTION SHALL INCLUDE SELECTION, ROTATION, PLACEMENT AND ADJUSTMENT OF INDIVIDUAL BOULDERS TO MAXIMIZE CONTACT AND MINIMIZE VOID SPACE (< 3" VOID SPACES).
14. KEY ALL DROP STRUCTURES INTO BANK A MINIMUM OF 8' EACH SIDE FROM CREST TO BOTTOM OF FOOTER.
15. SUBSTANDARD WORK MAY BE REJECTED BY ENGINEER IF VOID SPACE SPECIFICATIONS OR DESIGN GRADE TOLERANCES ARE NOT MET.
16. GEOTEXTILE FABRIC TO BE US FABRICS US 250 WOVEN GEOTEXTILE OR APPROVED ALTERNATE.

REGISTRATION

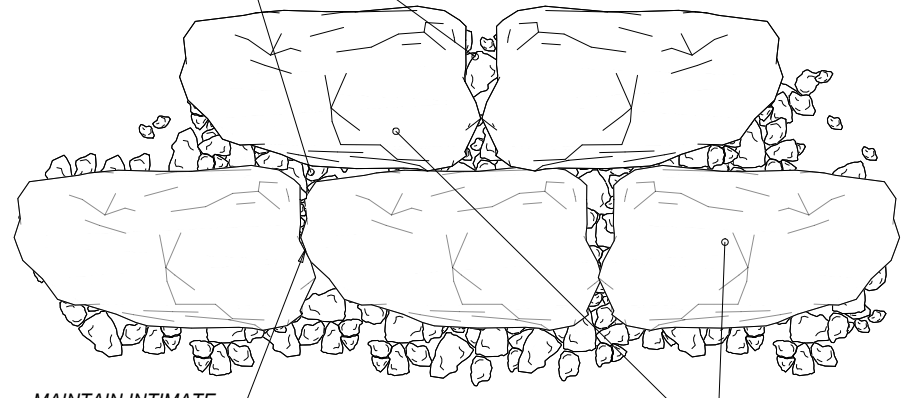


ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PLACE SELECT BACKFILL MATERIAL (BY HAND IF NECESSARY) TO MINIMIZE VOIDS (3" MAX VOID SPACE IN ANY DIRECTION)

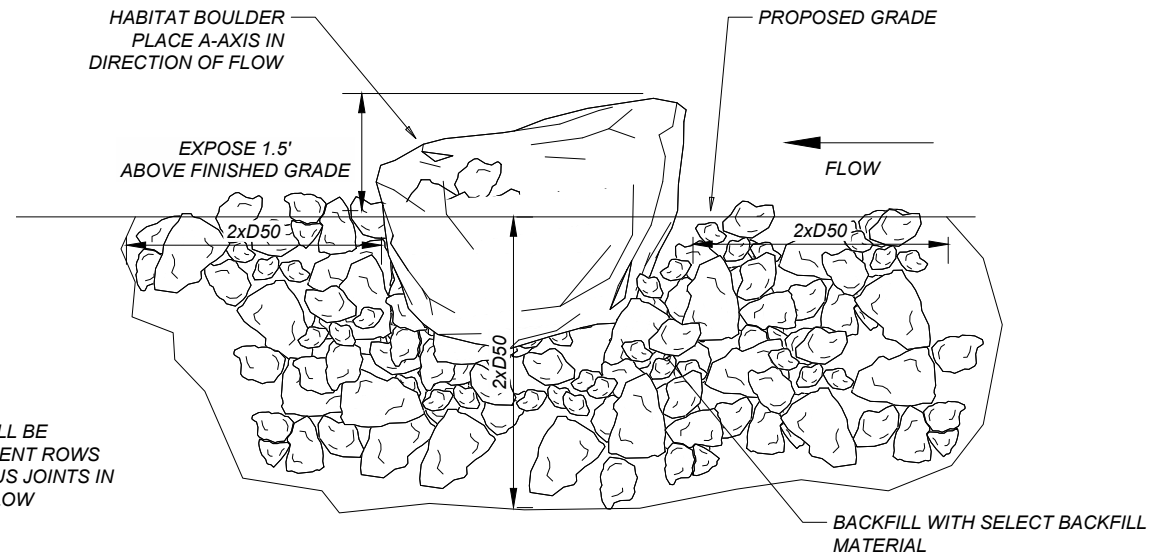


MAINTAIN INTIMATE CONTACT BETWEEN ALL ADJACENT BOULDERS

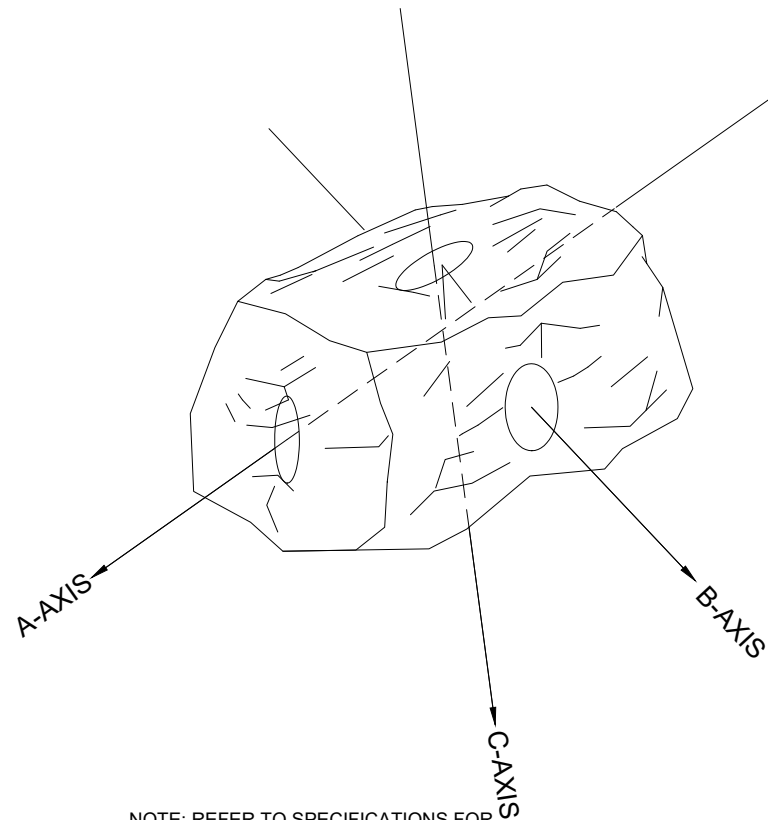
BOULDER ROWS SHALL BE OFFSET FROM ADJACENT ROWS TO AVOID CONTINUOUS JOINTS IN THE DIRECTION OF FLOW

DROP STRUCTURE BOULDER MATRIX (5)

NOTES:
 1. SPACE BOULDERS A MINIMUM OF 4' IN A TRIANGLE PATTERN

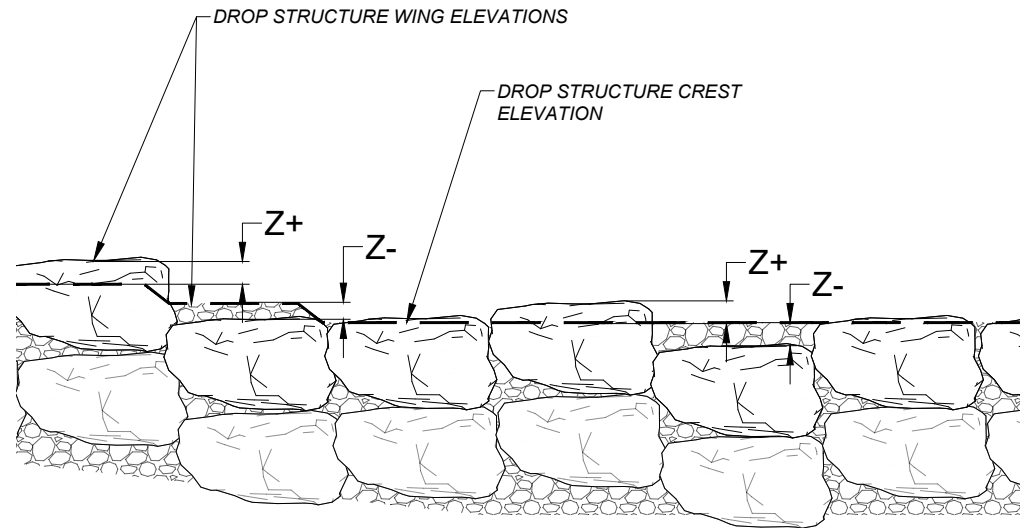


HABITAT BOULDER (6)



NOTE: REFER TO SPECIFICATIONS FOR STRUCTURE BOULDER GRADATION.

BOULDER AXIAL PLACEMENT (7)



BOULDER VERTICAL VARIANCE (8)

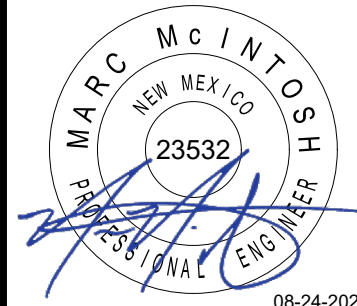
DROP STRUCTURE VERTICAL VARIANCE

FINISHED GRADE DELTA Z VARIANCE (FT)	
DROP STRUCTURE CREST	NTE 0.5'
DROP STRUCTURE RAMP AND WINGS	NTE 1.0'
AVERAGE DELTA Z VARIANCE* (FT)	
DROP STRUCTURE CREST	0.0'
DROP STRUCTURE WINGS	0.1'
DROP STRUCTURE RAMP	0.1'
DROP STRUCTURE BOTTOM OF FOOTER (B.O.F.)	0.0'

BANK PROTECTION VERTICAL VARIANCE

FINISHED GRADE DELTA Z VARIANCE (FT)	
BANK PROTECTION 4530	NTE 1.0"
AVERAGE DELTA Z VARIANCE* (FT)	
BANK PROTECTION 4530 20-FT AVERAGE	0.0'

*AVERAGE DELTA Z VARIANCE INDICATES THE SUMMATION OF DISCREPANCIES BETWEEN PLAN AND INSTALLED TOP OF BOULDER ELEVATIONS OVER THE ENTIRE LENGTH OF THE STRUCTURE COMPONENT (CREST, WINGS, RAMP, BANK PROTECTION BOULDER)



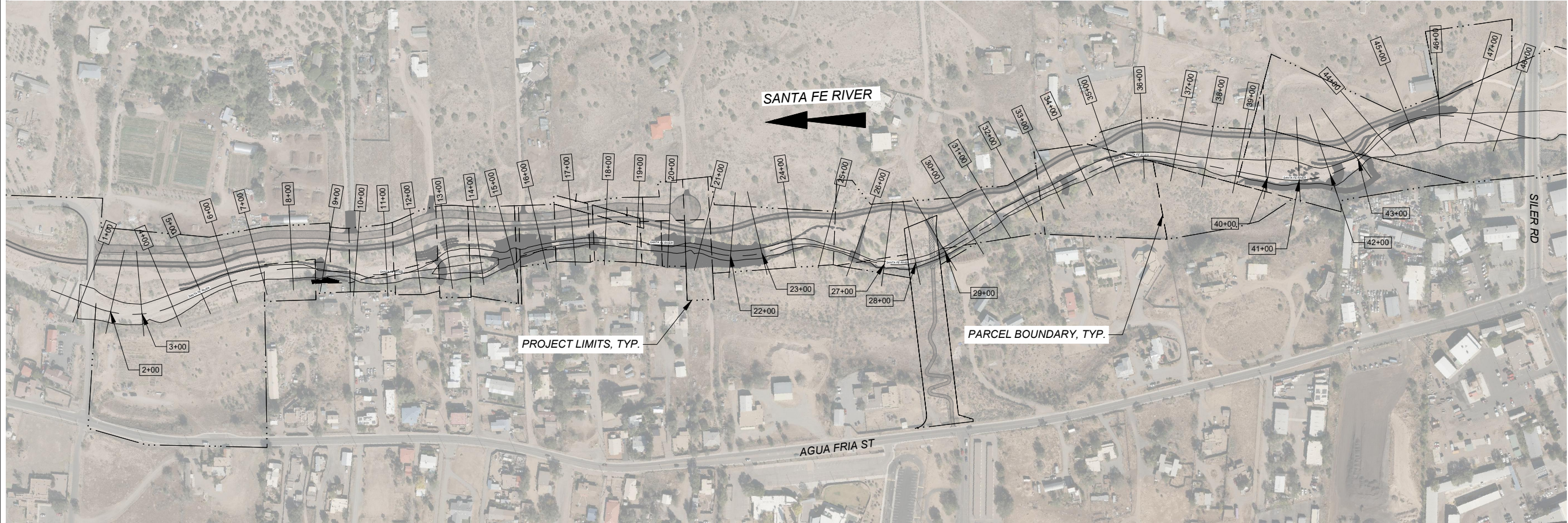
I/R	DATE	DESCRIPTION



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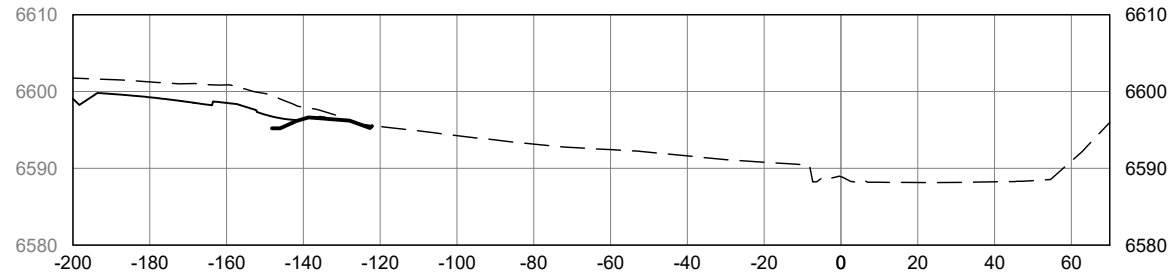
I/R	DATE	DESCRIPTION

KEY PLAN

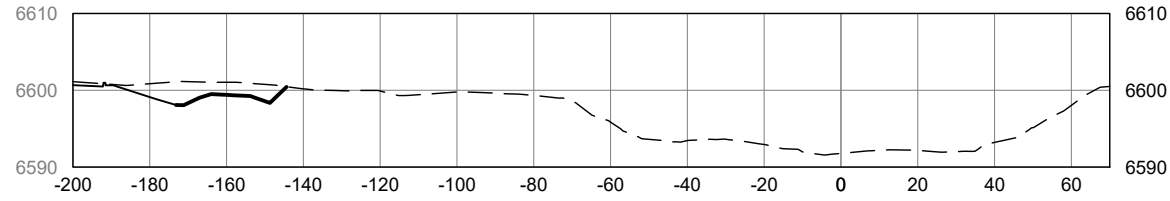


OVERALL PLAN
 SCALE: 1" = 350'

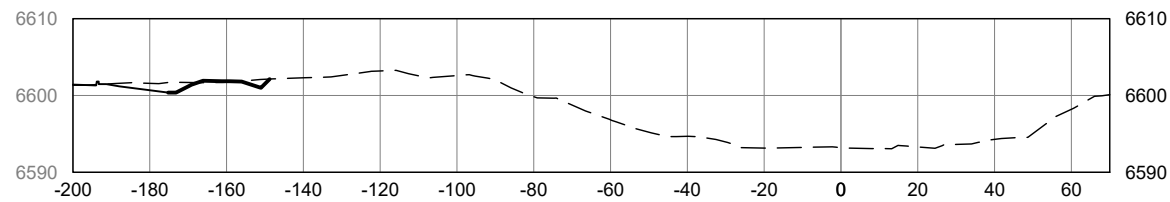




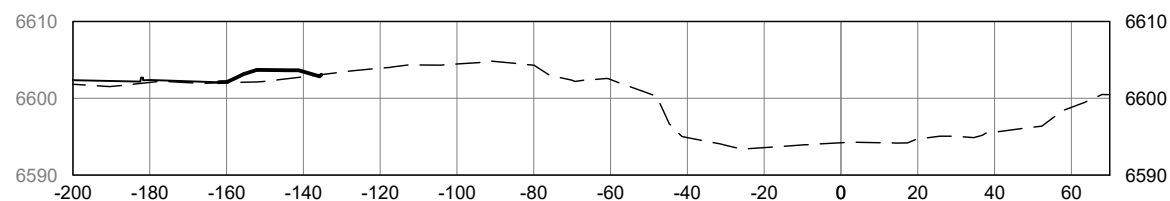
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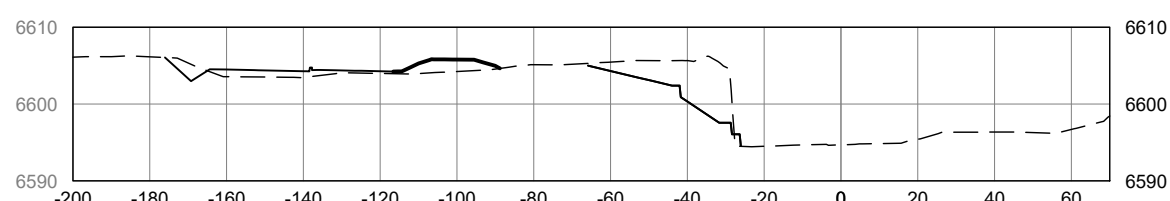
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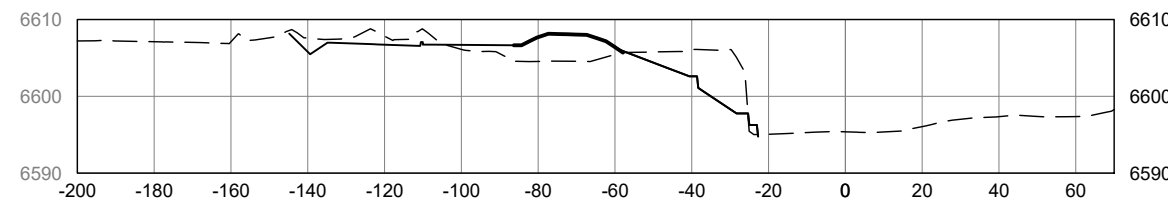
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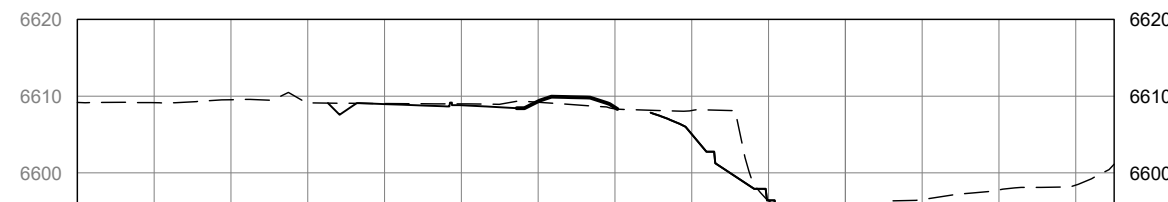
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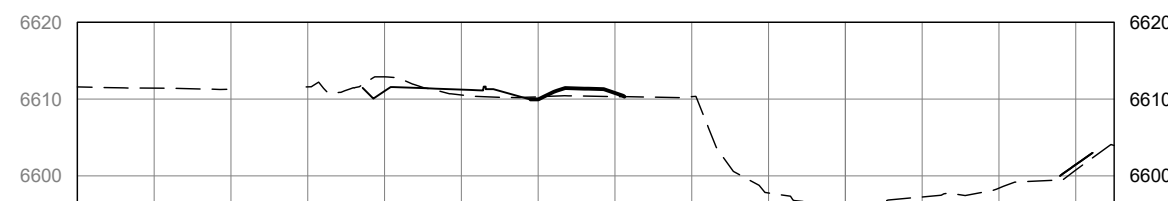
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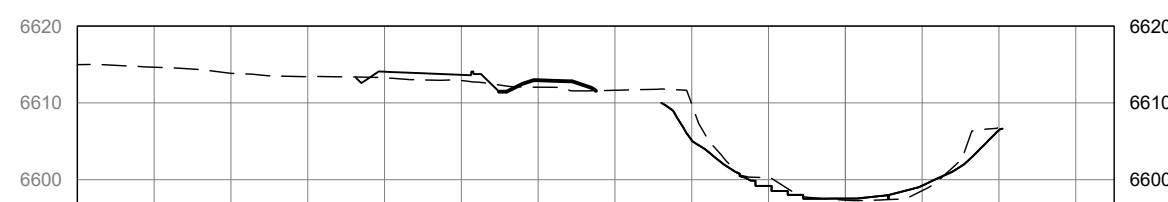
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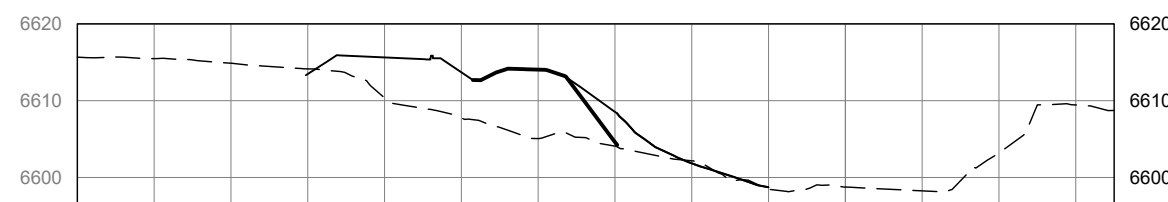
7+00



8+00



9+00



10+00

- PROPOSED GRADE
- RIVER TRAIL PROPOSED GRADE
- EXISTING GRADE

RIVER CROSS SECTIONS
SCALE = 2:1 (H:V)



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

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REGISTRATION



ISSUE/REVISION

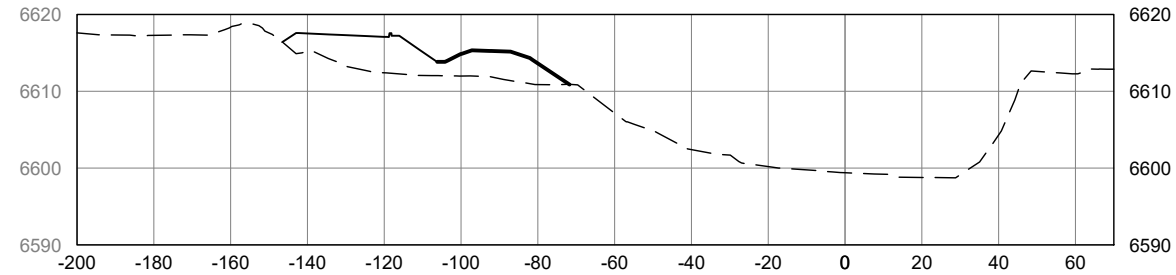
I/R	DATE	DESCRIPTION

KEY PLAN

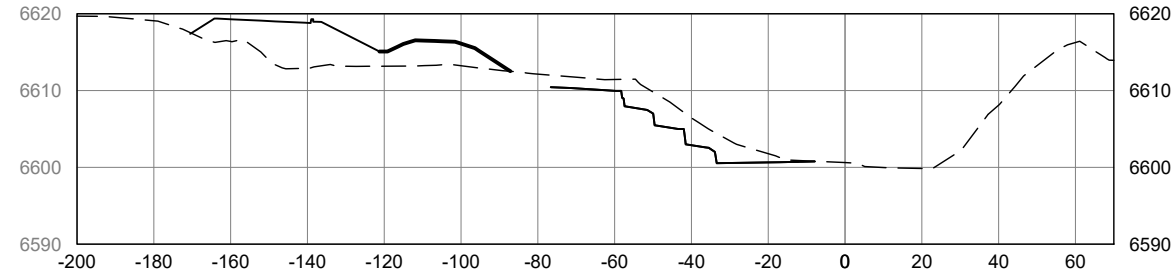
PROJECT NUMBER
357-7708

SHEET TITLE
SANTA FE RIVER
CHANNEL CROSS SECTIONS

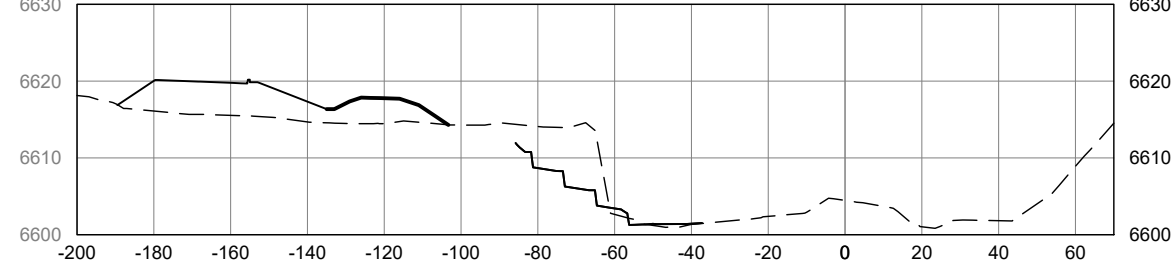
SHEET NUMBER
2 - 71



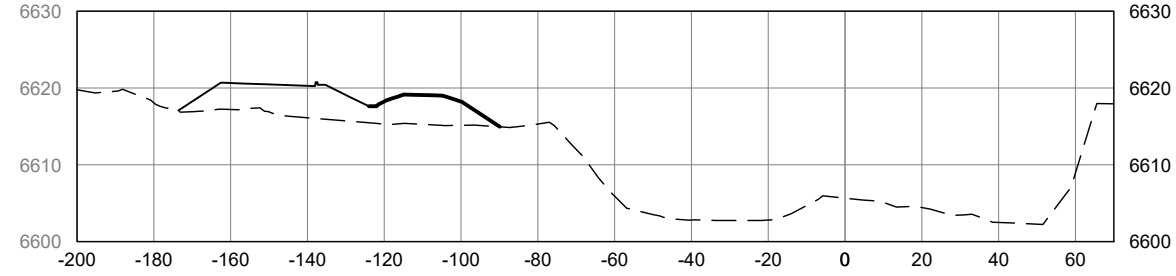
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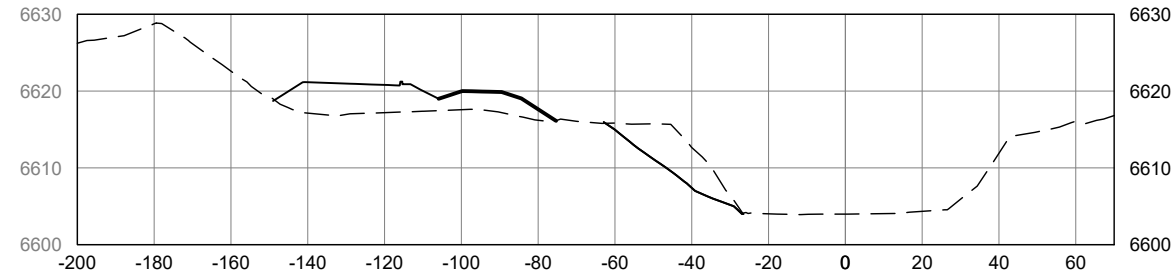
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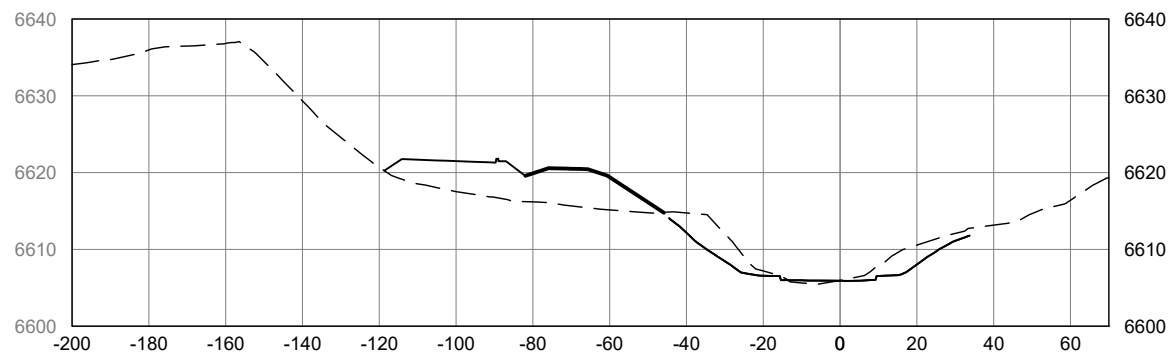
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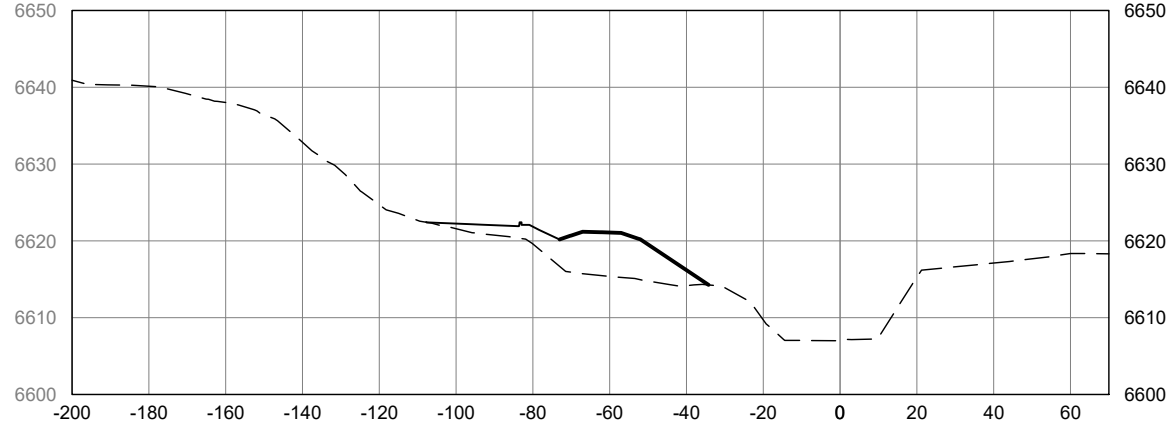
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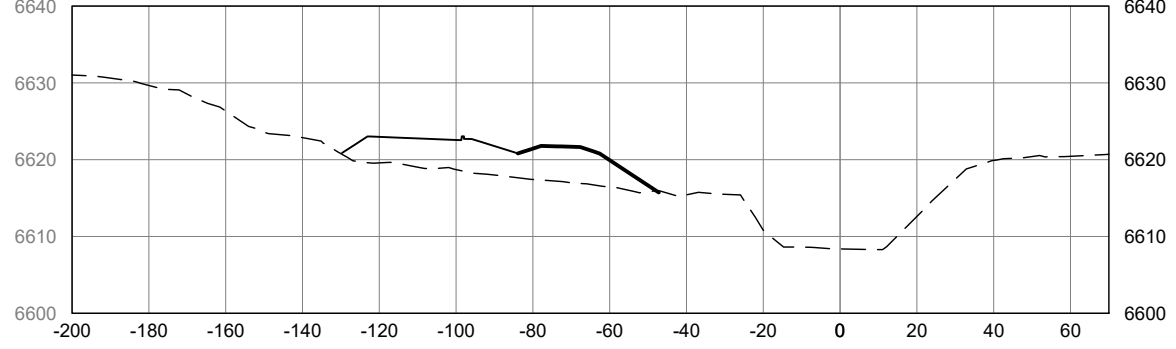
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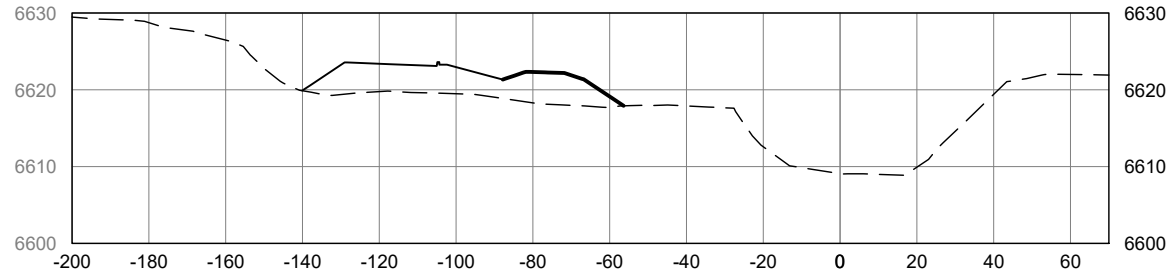
16+00



17+00



18+00



19+00

RIVER CROSS SECTIONS
SCALE = 2:1 (H:V)

- PROPOSED GRADE
- RIVER TRAIL PROPOSED GRADE
- - - - - EXISTING GRADE



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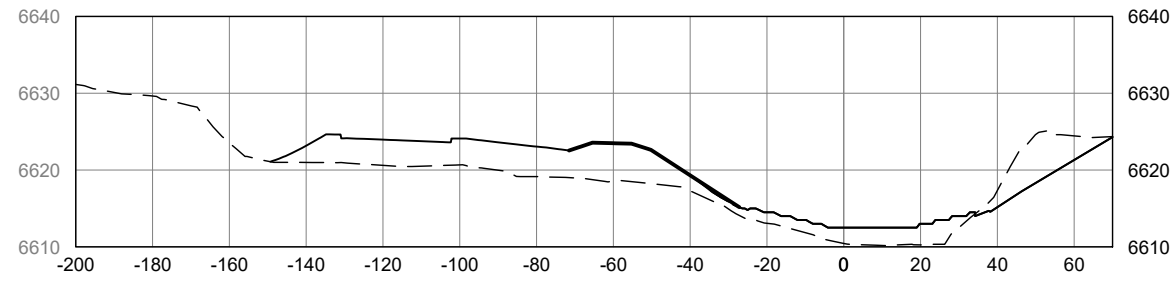


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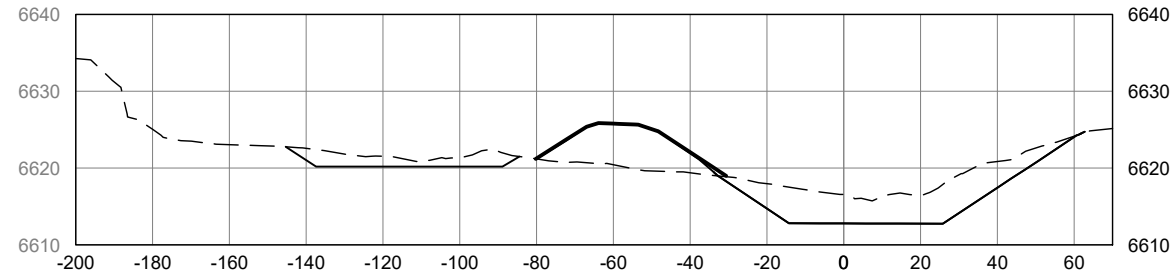
I/R	DATE	DESCRIPTION

KEY PLAN

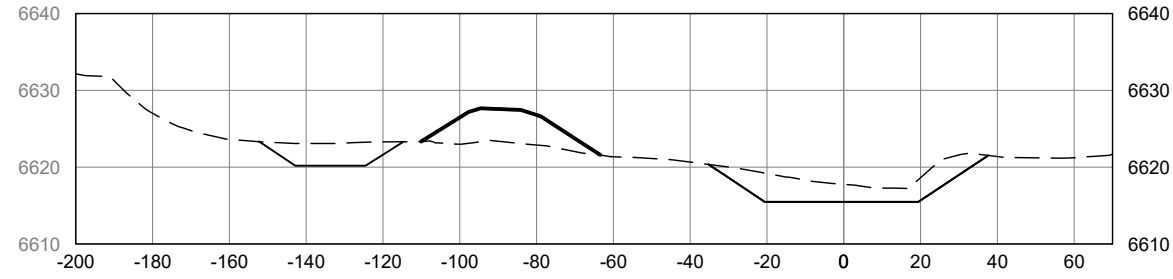
PROJECT NUMBER
357-7708
SHEET TITLE
SANTA FE RIVER
CHANNEL CROSS SECTIONS
SHEET NUMBER
2 - 72



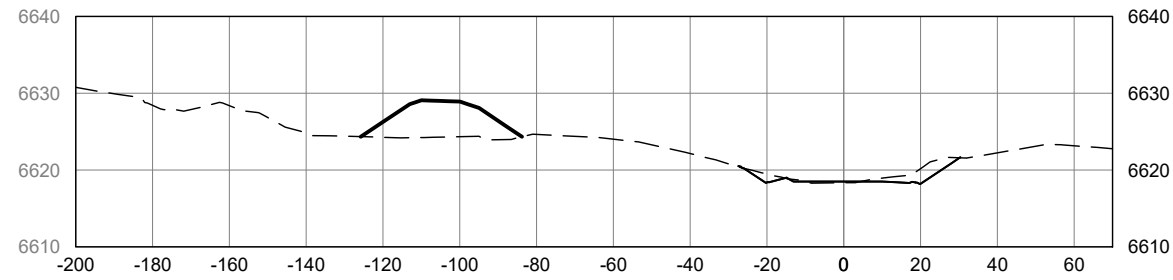
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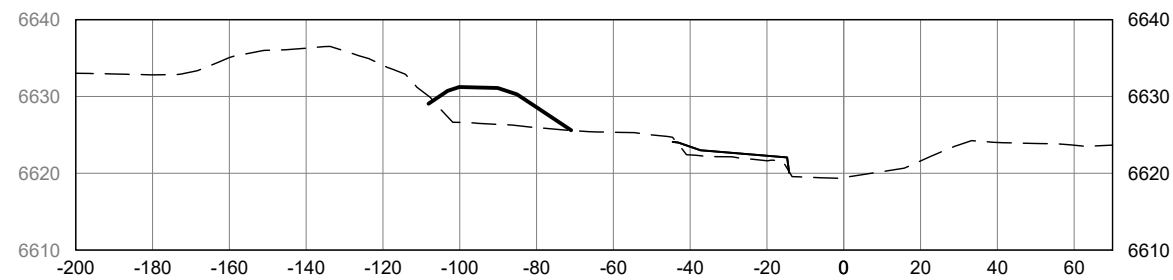
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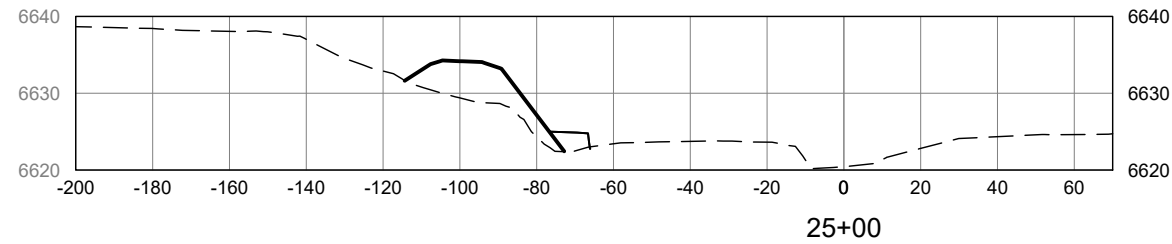
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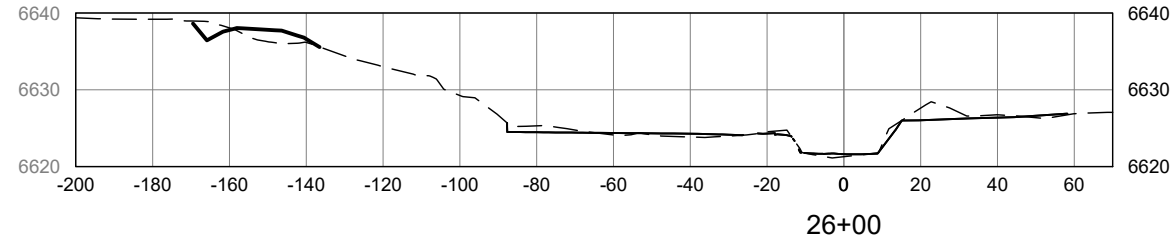
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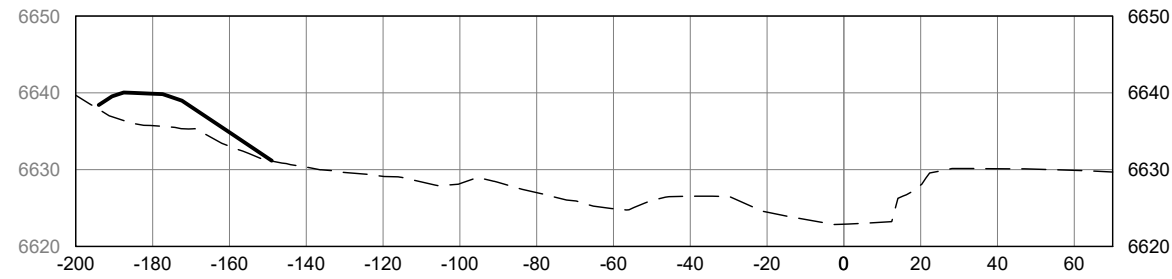
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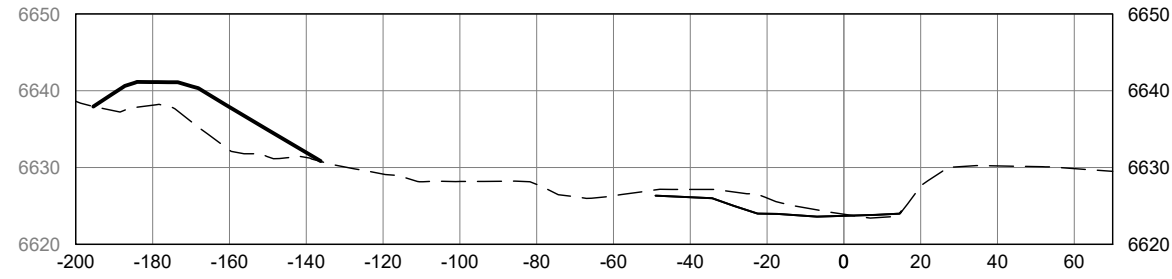
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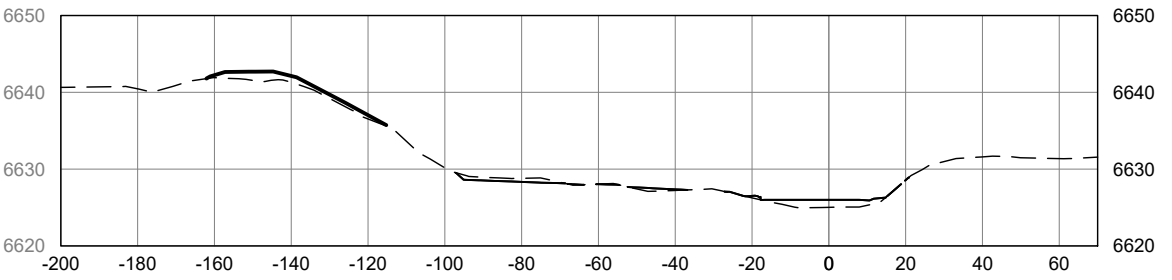
26+00



27+00



28+00



29+00

RIVER CROSS SECTIONS
 SCALE = 2:1 (H:V)

- PROPOSED GRADE
- RIVER TRAIL PROPOSED GRADE
- EXISTING GRADE



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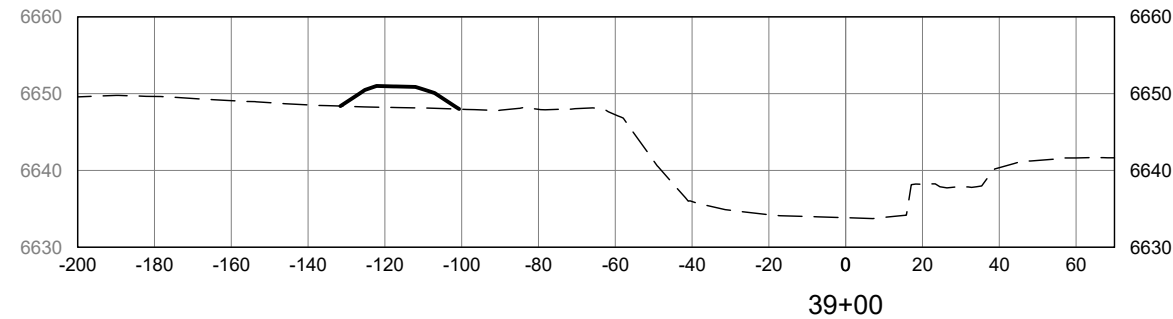
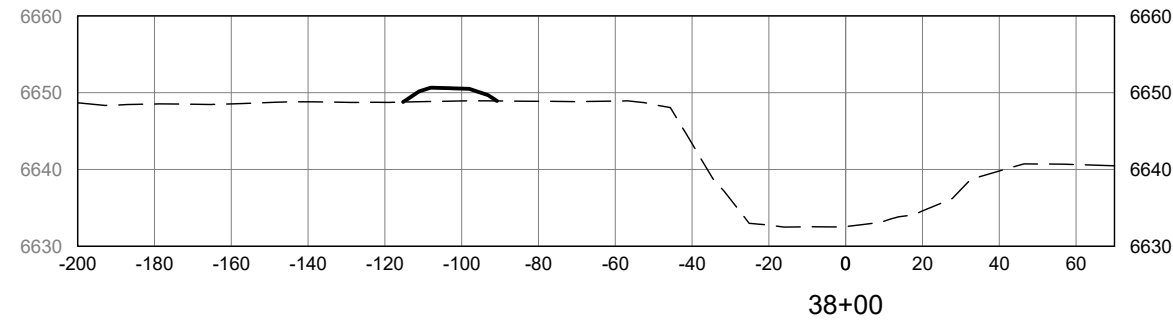
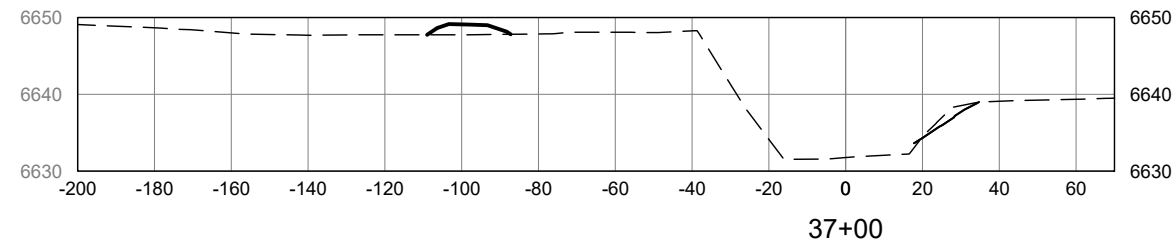
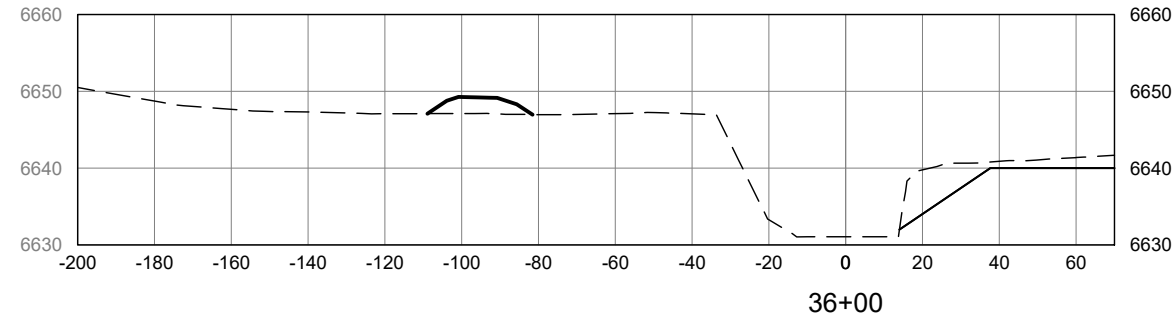
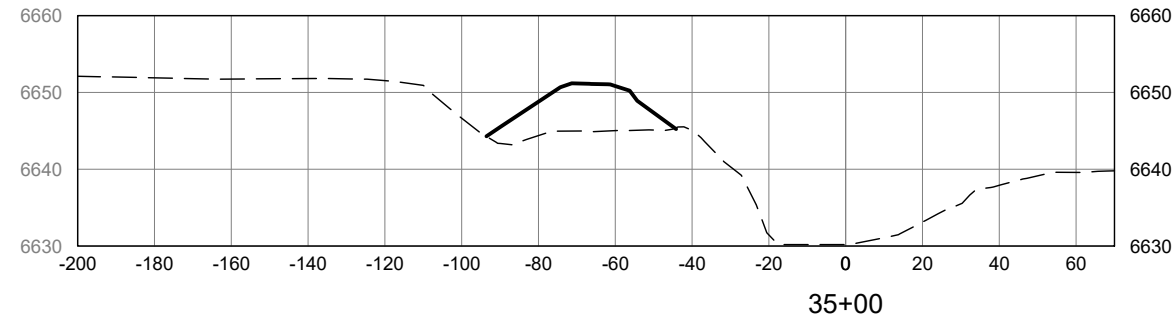
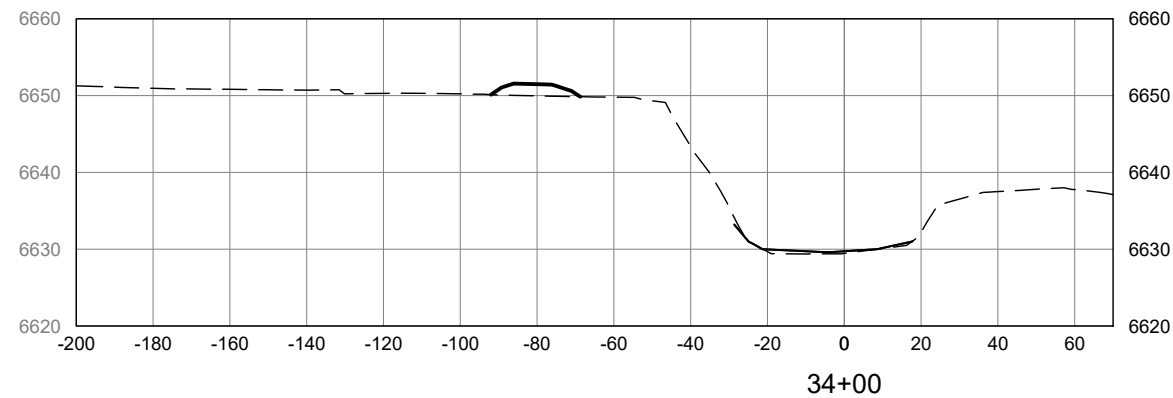
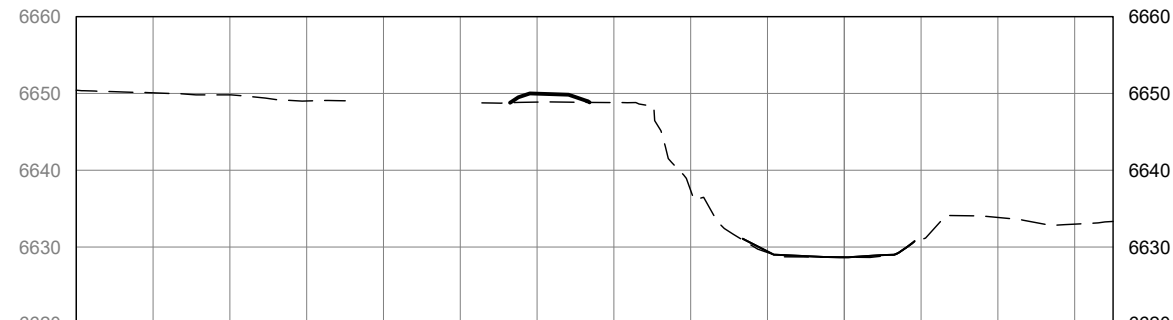
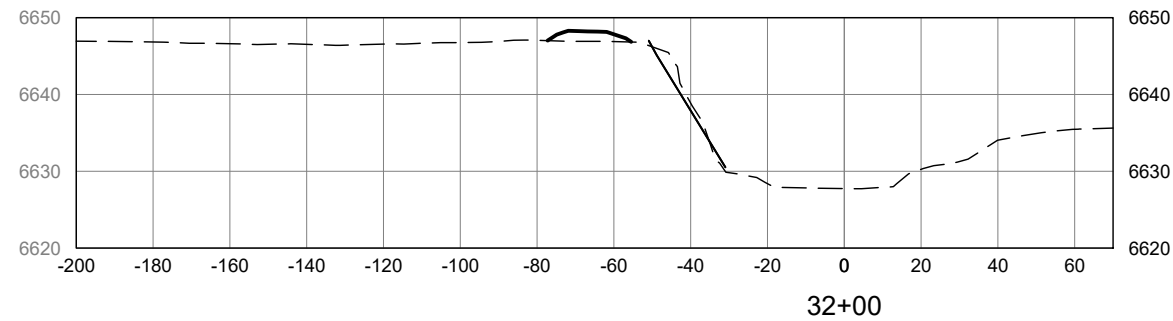
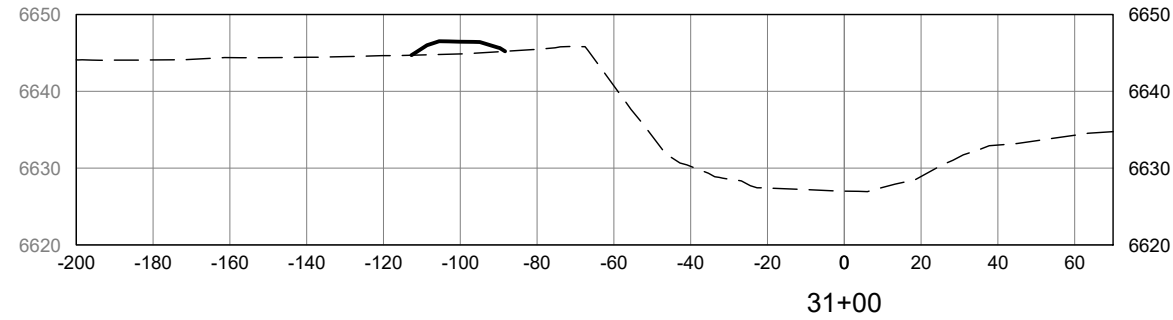
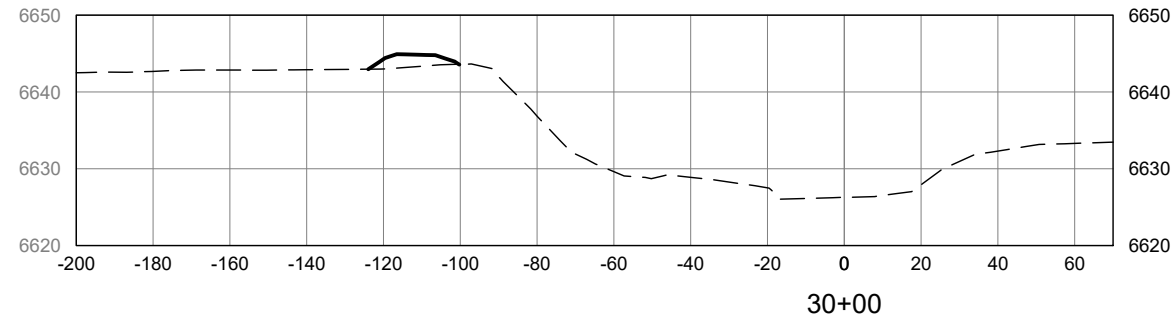


ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708
SHEET TITLE
 SANTA FE RIVER
 CHANNEL CROSS SECTIONS
SHEET NUMBER
 2 - 73



RIVER CROSS SECTIONS
SCALE = 2:1 (H:V)

- PROPOSED GRADE
- RIVER TRAIL PROPOSED GRADE
- EXISTING GRADE



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

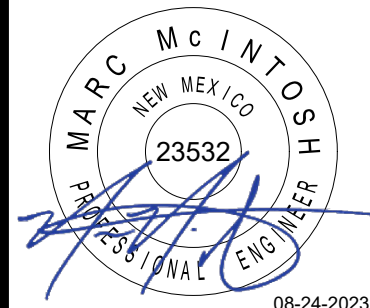
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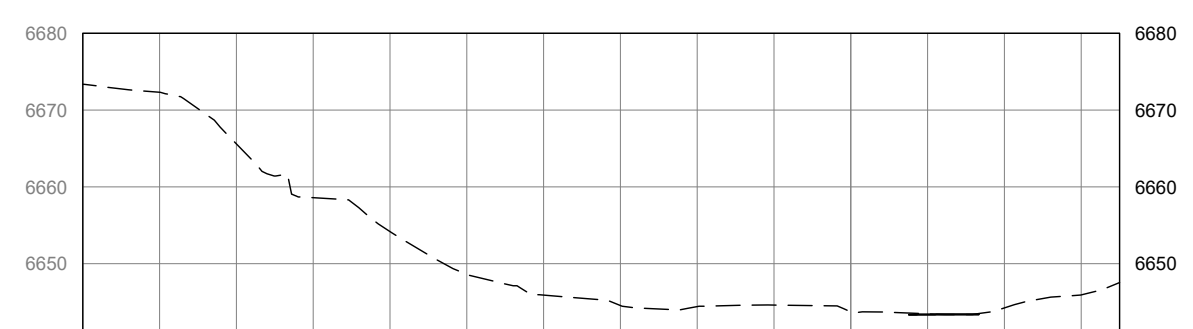
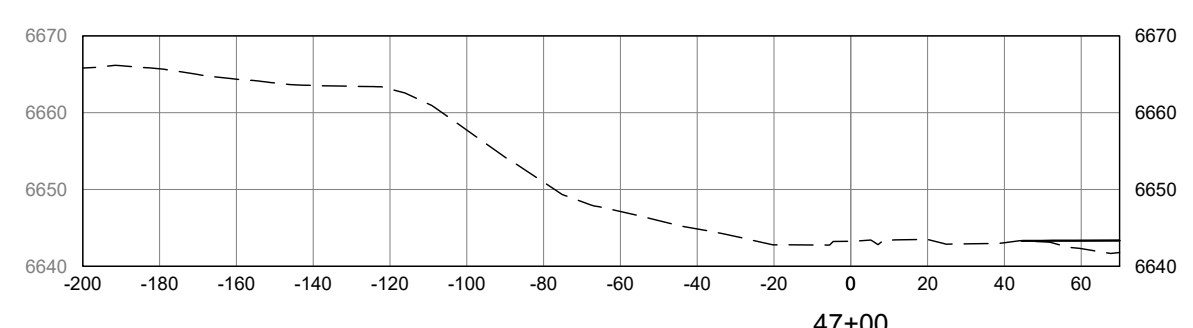
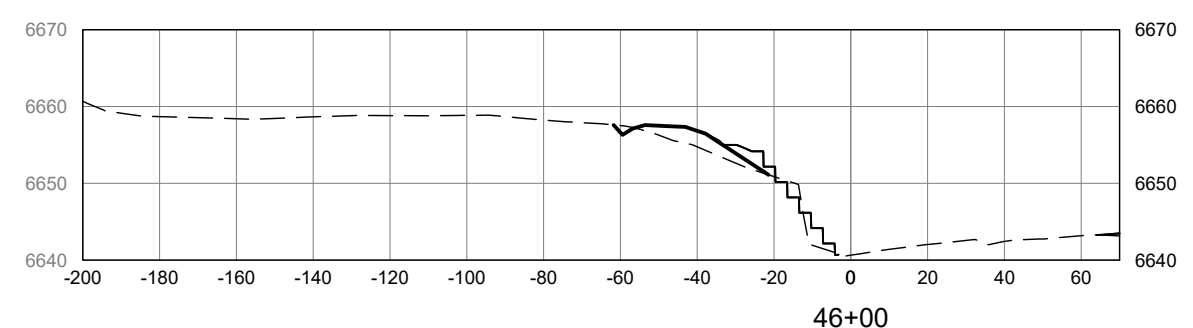
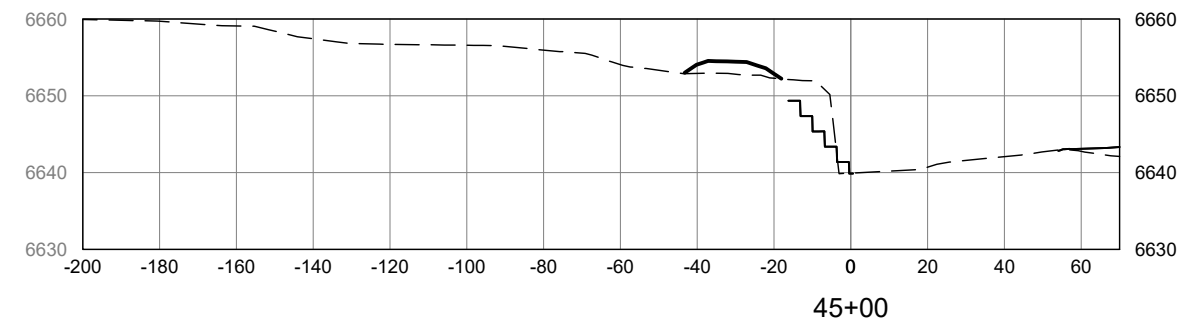
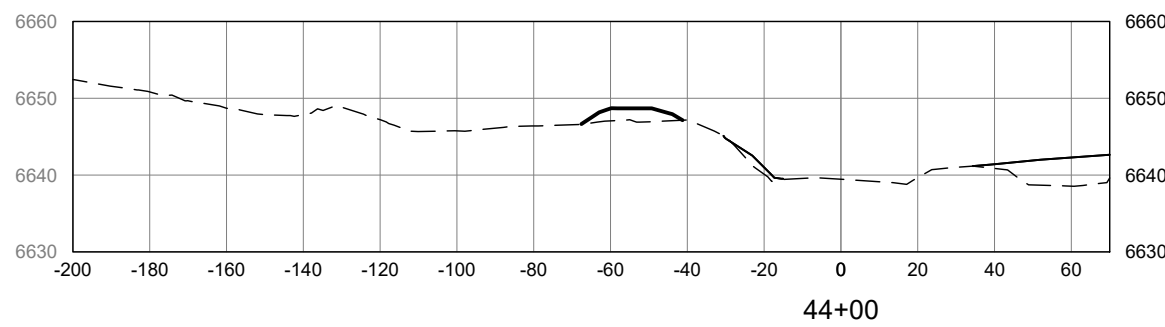
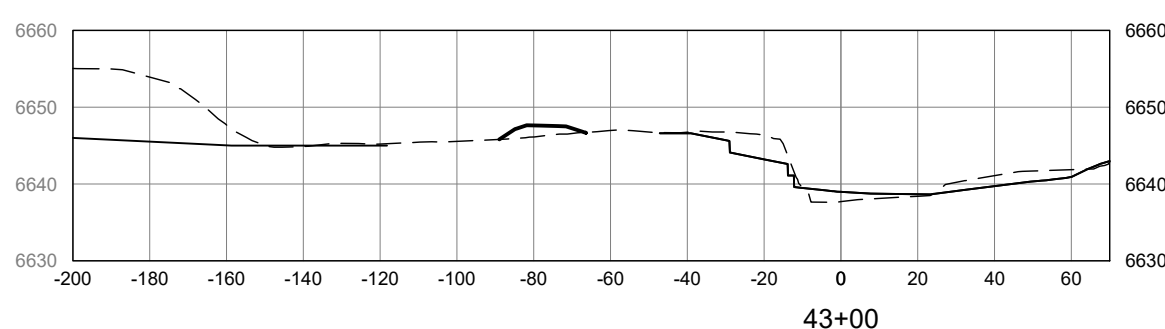
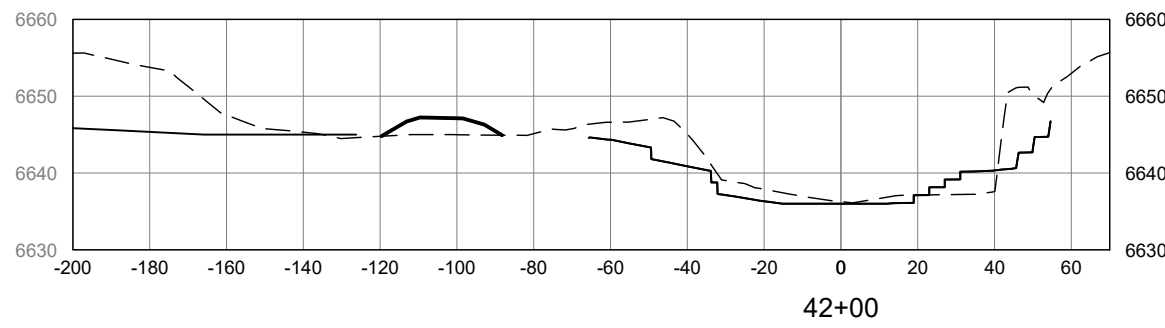
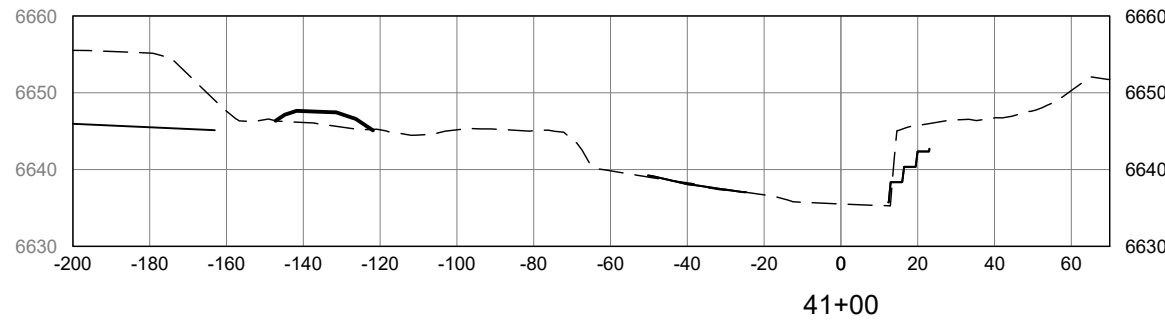
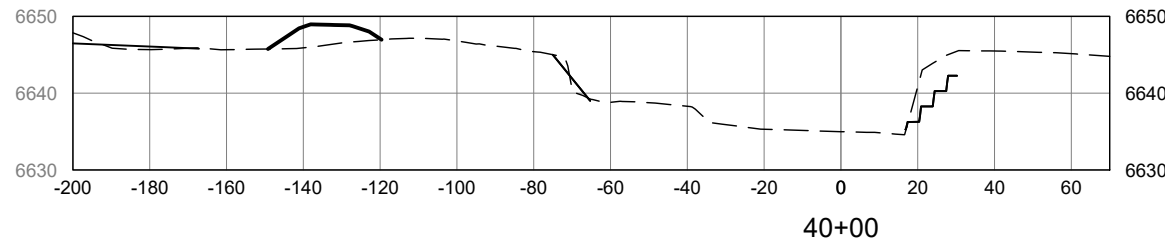


ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708
SHEET TITLE
 SANTA FE RIVER
 CHANNEL CROSS SECTIONS
SHEET NUMBER
 2 - 74



RIVER CROSS SECTIONS
SCALE = 2:1 (H:V)

- PROPOSED GRADE
- RIVER TRAIL PROPOSED GRADE
- - - - EXISTING GRADE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

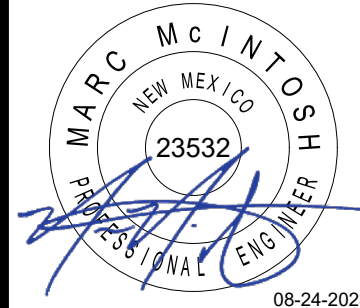
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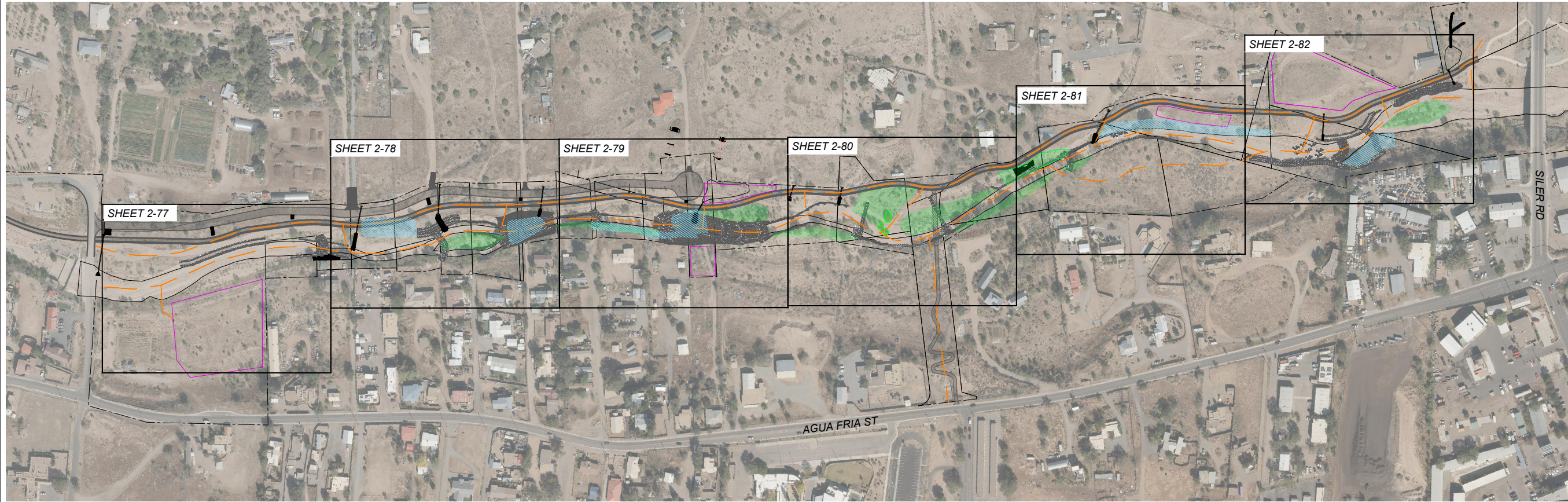


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I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
357-7708
SHEET TITLE
SANTA FE RIVER
CHANNEL CROSS SECTIONS
SHEET NUMBER
2 - 75



OVERALL PLAN

SCALE: 1" = 350'

LEGEND

	PARCEL LINE
	TEMPORARY STAGING AREA
	TEMPORARY ACCESS CORRIDOR
	SENSITIVE AREA - PROTECT IN PLACE
	CONCRETE DEBRIS REMOVAL AREA



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

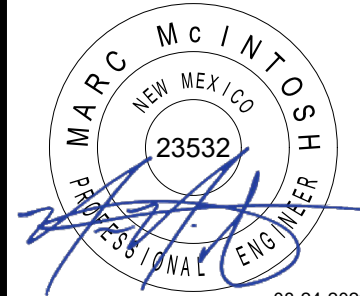
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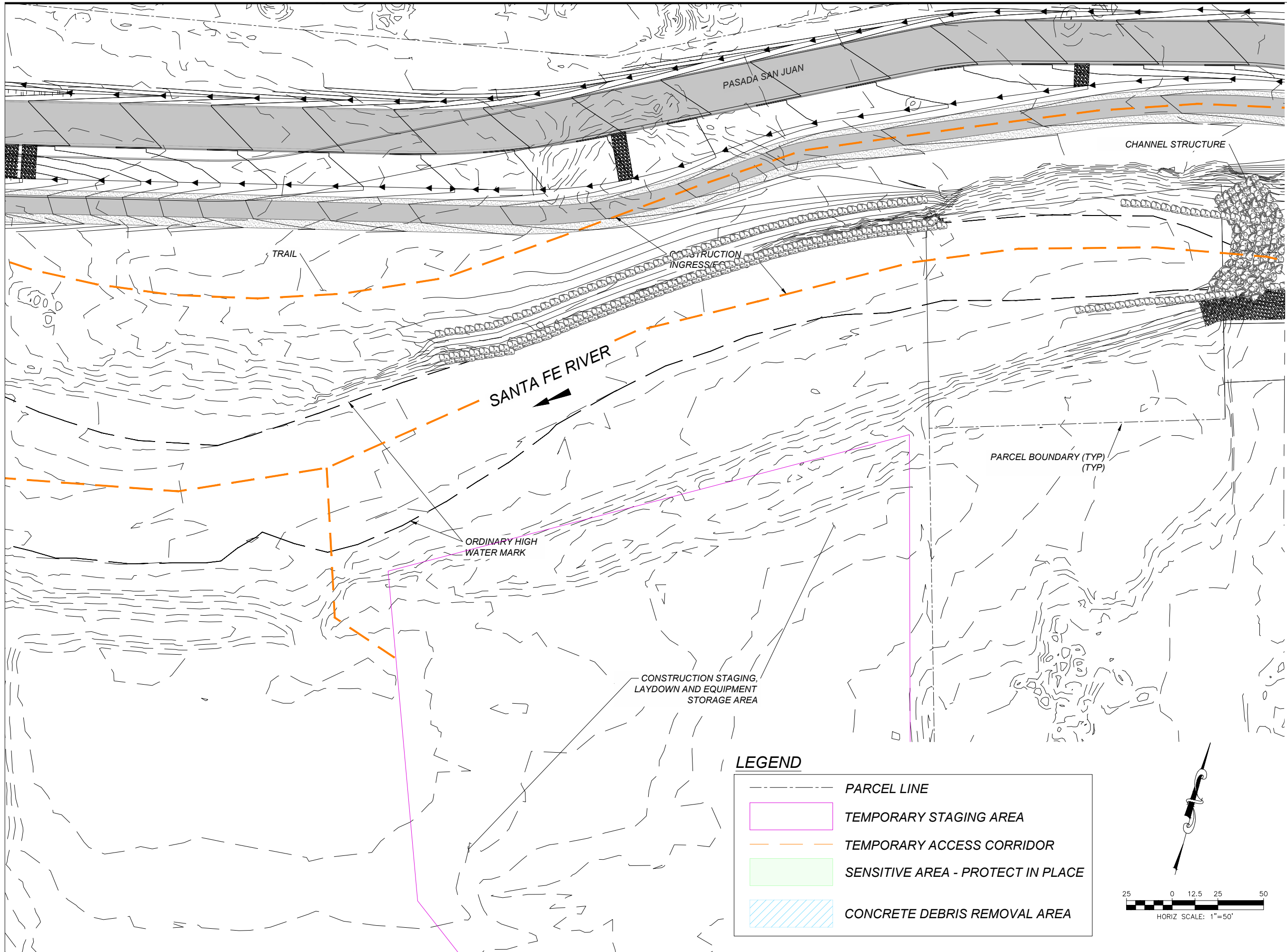


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KEY PLAN

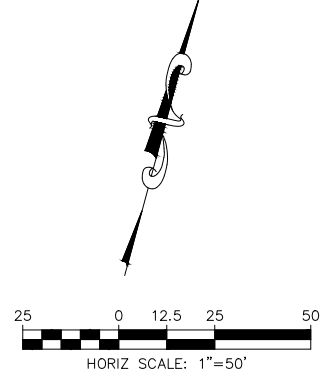
PROJECT NUMBER
 357-7708
SHEET TITLE
 SANTA FE RIVER
 STAGING AND ACCESS
 POTENTIAL ALTERNATIVES INDEX
SHEET NUMBER
 2 - 76



MATCHLINE - SEE DWG 2-78

LEGEND

- PARCEL LINE
- TEMPORARY STAGING AREA
- TEMPORARY ACCESS CORRIDOR
- SENSITIVE AREA - PROTECT IN PLACE
- CONCRETE DEBRIS REMOVAL AREA



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

CLIENT
SANTA FE COUNTY
 100 Catron St.
 Santa Fe, New Mexico 87501
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SUBSURFACE UTILITY ENGINEERING
COLLIERS ENGINEERING & DESIGN
 T 505.228.3154

REGISTRATION



08-24-2023

ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 SANTA FE RIVER
 STAGING AND ACCESS
 POTENTIAL ALTERNATIVES PLAN

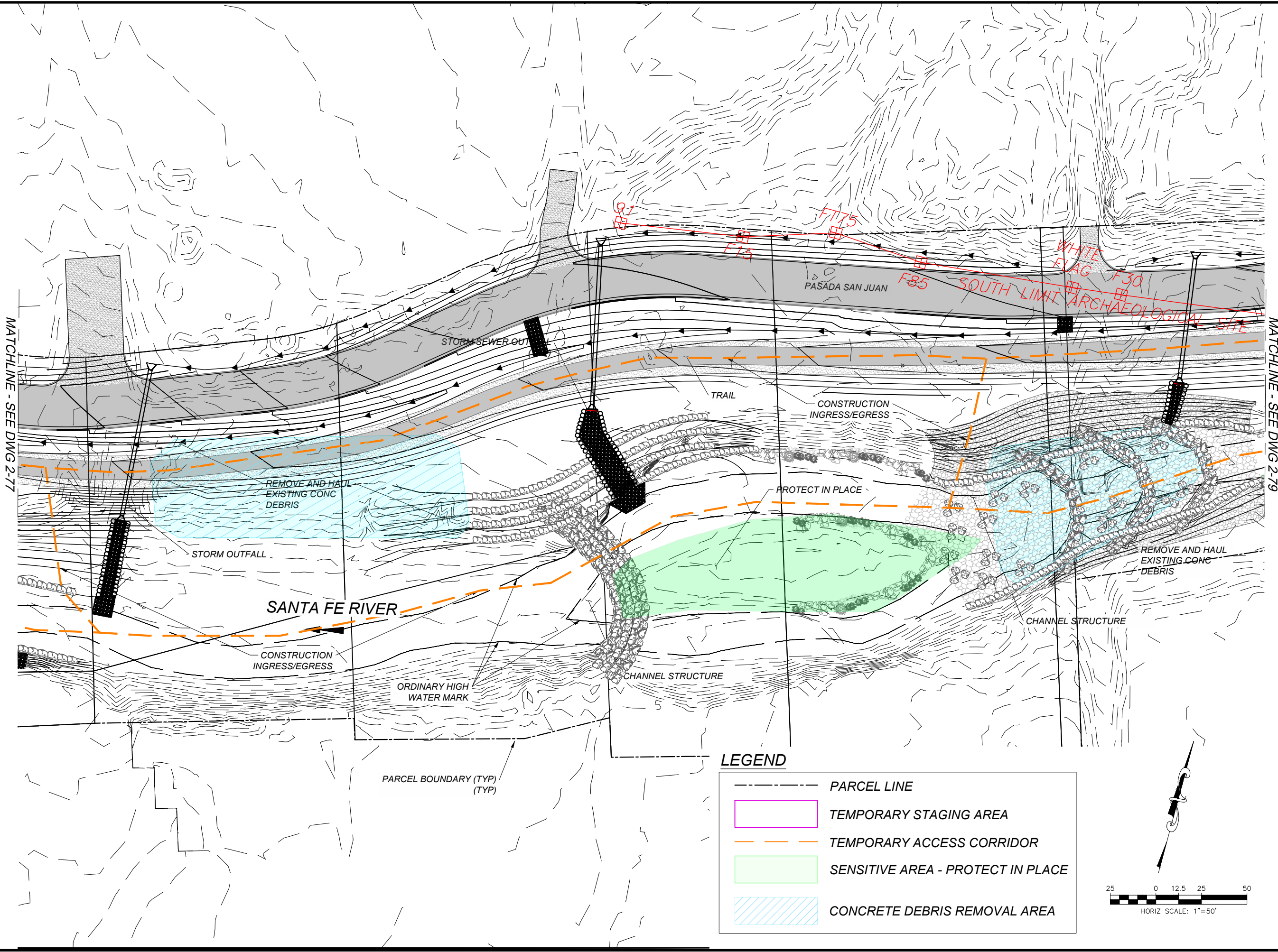
SHEET NUMBER
 2 - 77



ISSUE/REVISION

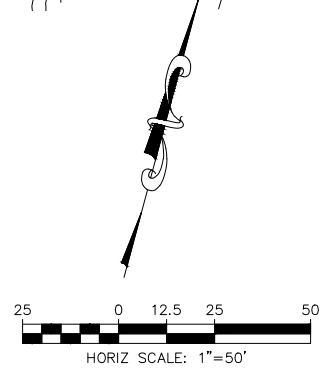
I/R	DATE	DESCRIPTION

KEY PLAN



LEGEND

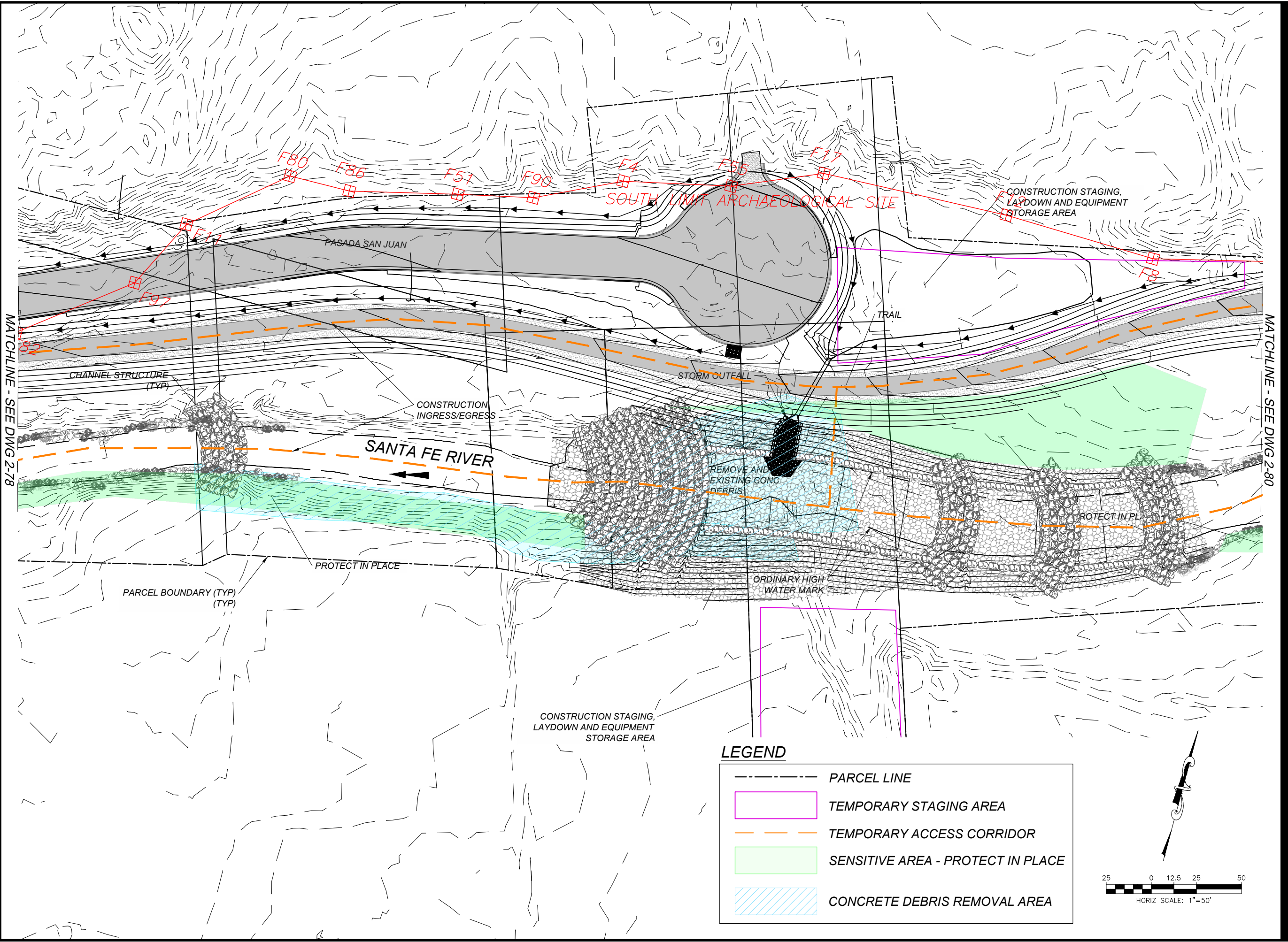
- PARCEL LINE
- TEMPORARY STAGING AREA
- TEMPORARY ACCESS CORRIDOR
- SENSITIVE AREA - PROTECT IN PLACE
- CONCRETE DEBRIS REMOVAL AREA



Project Management Initials: Designer: SW Checked: RKR Approved: MM
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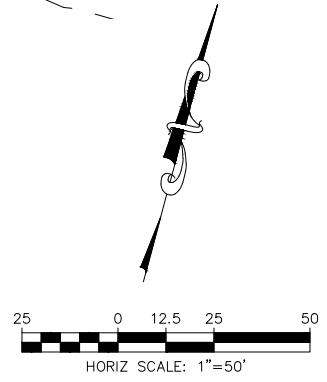


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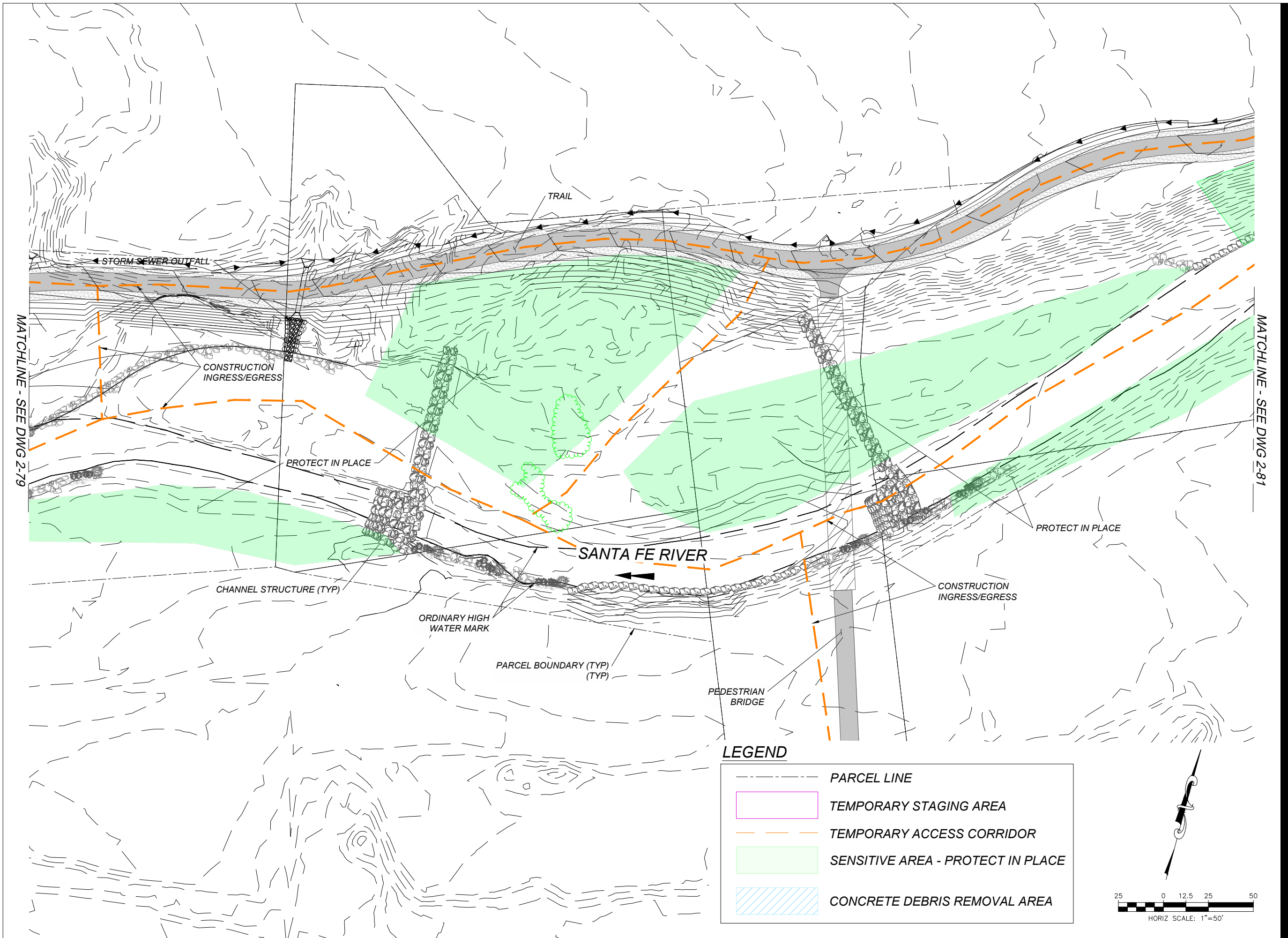
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	PARCEL LINE
	TEMPORARY STAGING AREA
	TEMPORARY ACCESS CORRIDOR
	SENSITIVE AREA - PROTECT IN PLACE
	CONCRETE DEBRIS REMOVAL AREA



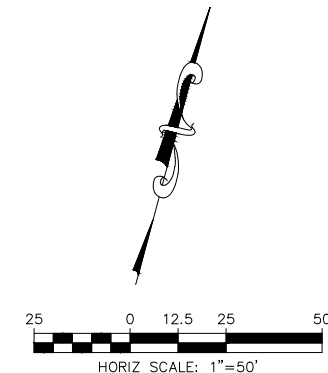
Project Management Initials: Designer: SW Checked: RKR Approved: MM

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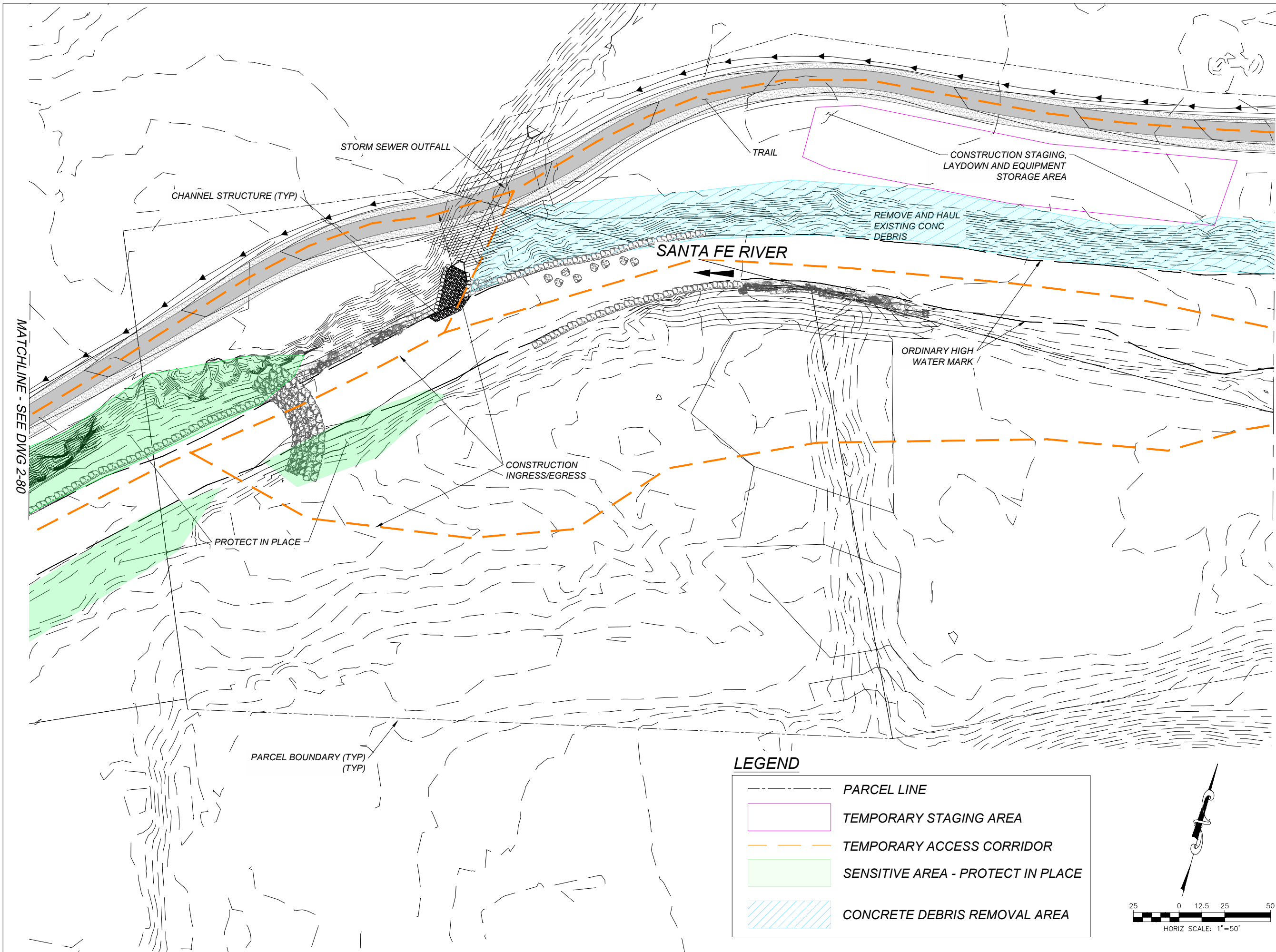


LEGEND

	PARCEL LINE
	TEMPORARY STAGING AREA
	TEMPORARY ACCESS CORRIDOR
	SENSITIVE AREA - PROTECT IN PLACE
	CONCRETE DEBRIS REMOVAL AREA



I/R	DATE	DESCRIPTION



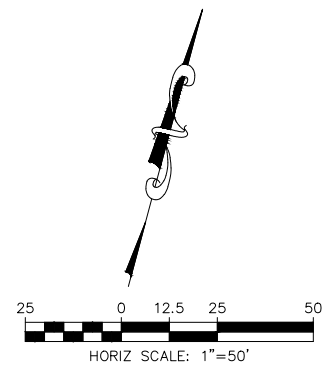
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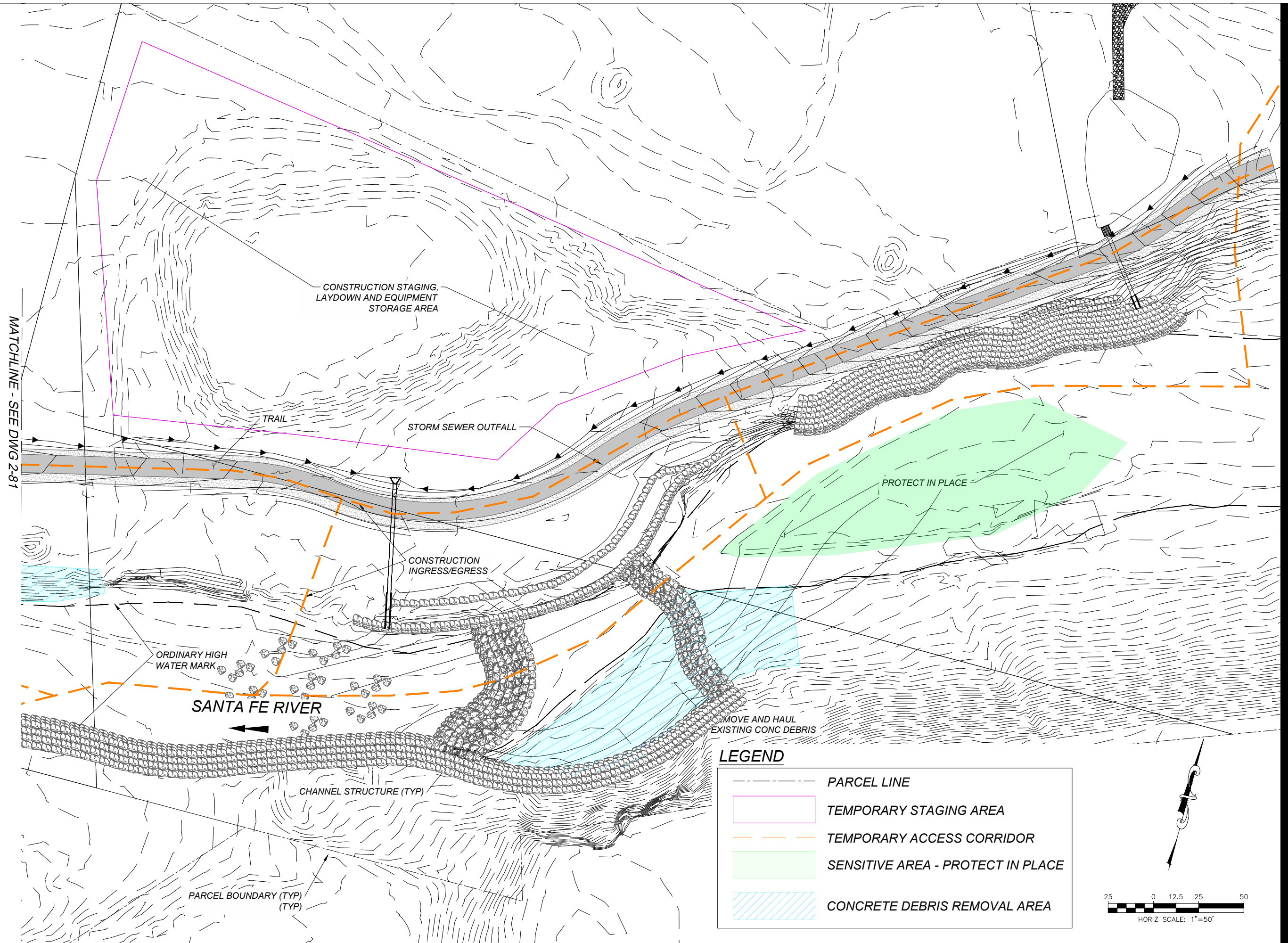
I/R	DATE	DESCRIPTION

KEY PLAN

LEGEND

	PARCEL LINE
	TEMPORARY STAGING AREA
	TEMPORARY ACCESS CORRIDOR
	SENSITIVE AREA - PROTECT IN PLACE
	CONCRETE DEBRIS REMOVAL AREA

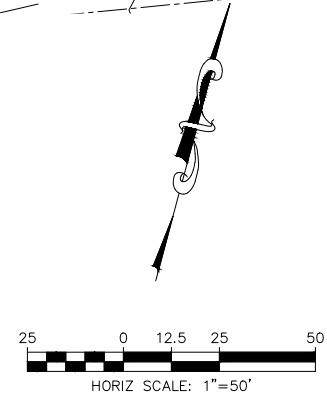




MATCHLINE - SEE DWG 2-81

LEGEND

- PARCEL LINE
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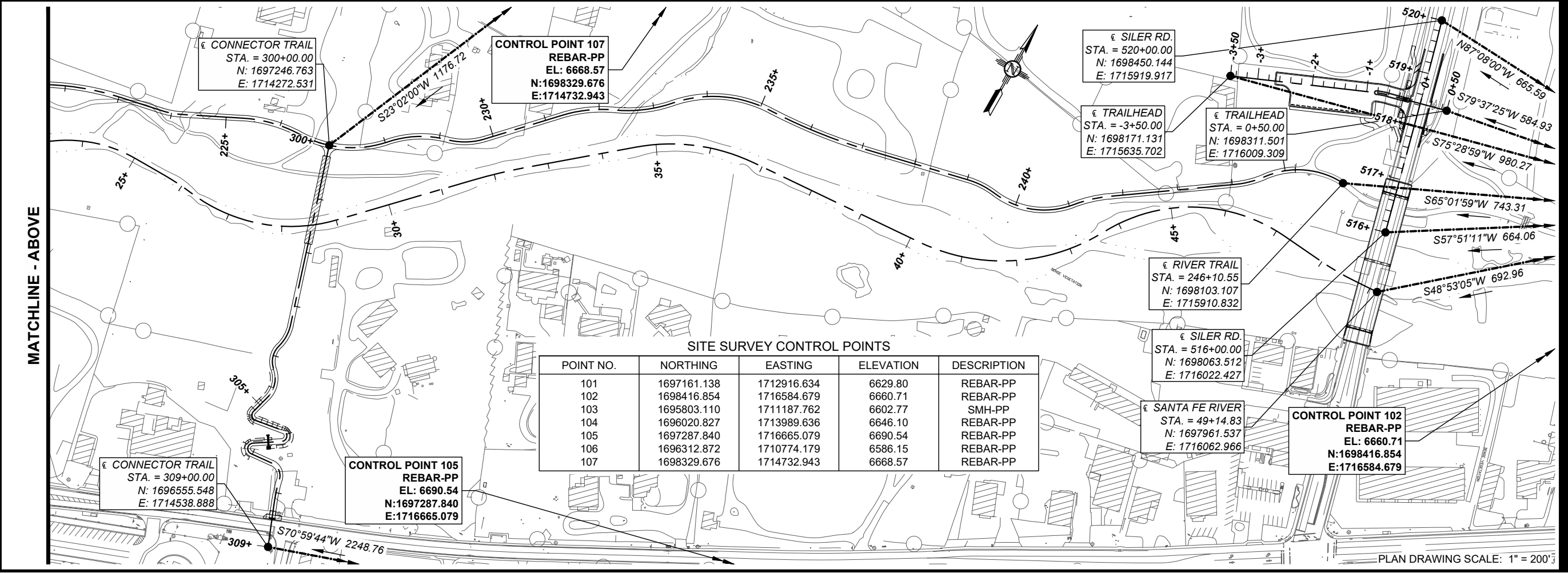
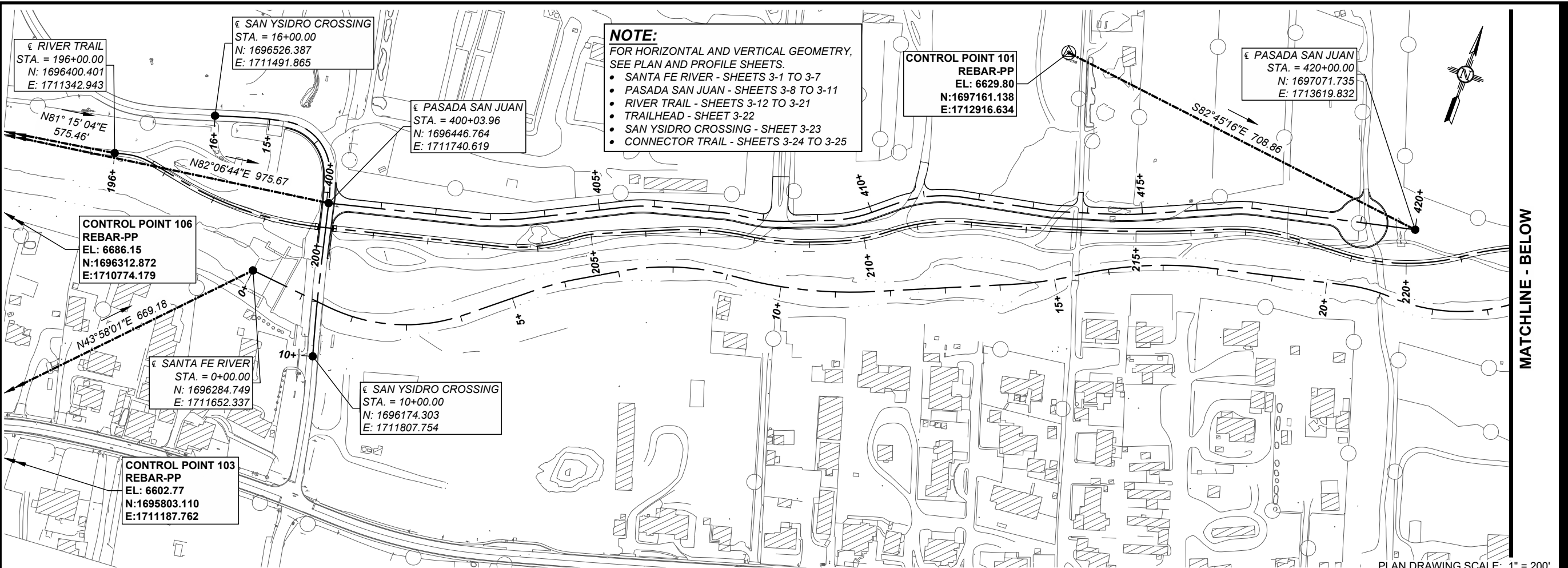
ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN



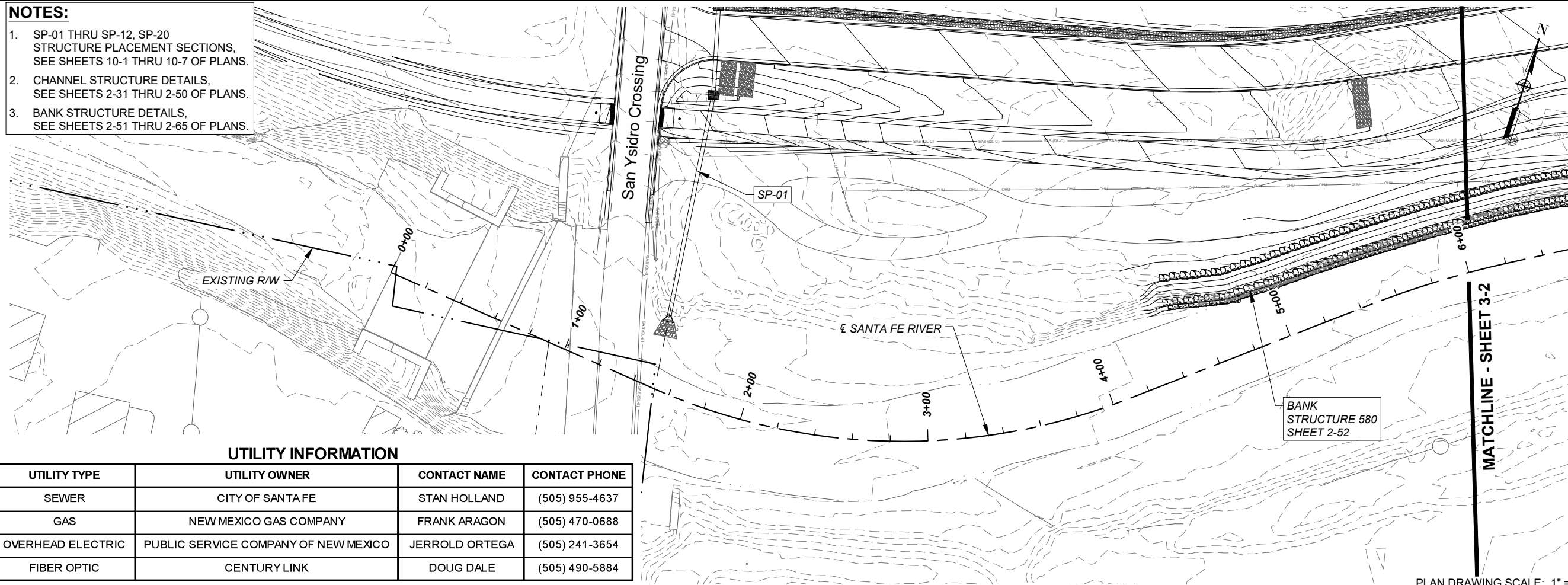
I/R	DATE	DESCRIPTION



SITE SURVEY CONTROL POINTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	1697161.138	1712916.634	6629.80	REBAR-PP
102	1698416.854	1716584.679	6660.71	REBAR-PP
103	1695803.110	1711187.762	6602.77	SMH-PP
104	1696020.827	1713989.636	6646.10	REBAR-PP
105	1697287.840	1716665.079	6690.54	REBAR-PP
106	1696312.872	1710774.179	6586.15	REBAR-PP
107	1698329.676	1714732.943	6668.57	REBAR-PP

- NOTES:**
- SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 - CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 - BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.

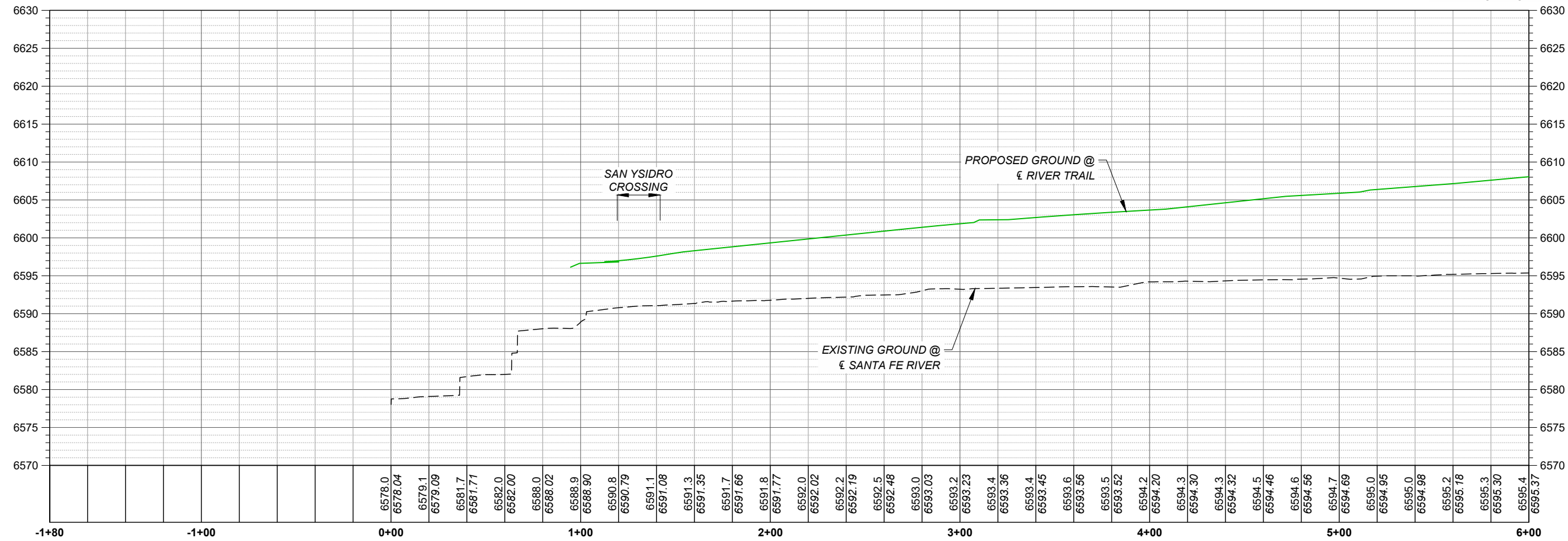


UTILITY INFORMATION

UTILITY TYPE	UTILITY OWNER	CONTACT NAME	CONTACT PHONE
SEWER	CITY OF SANTA FE	STAN HOLLAND	(505) 955-4637
GAS	NEW MEXICO GAS COMPANY	FRANK ARAGON	(505) 470-0688
OVERHEAD ELECTRIC	PUBLIC SERVICE COMPANY OF NEW MEXICO	JERROLD ORTEGA	(505) 241-3654
FIBER OPTIC	CENTURY LINK	DOUG DALE	(505) 490-5884

PLAN DRAWING SCALE: 1" = 60'

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'



SANTA FE RIVER PROFILE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

CLIENT

SANTA FE COUNTY



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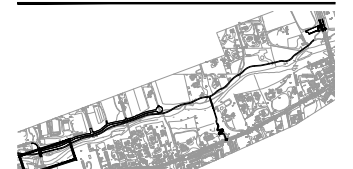
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

357-7708

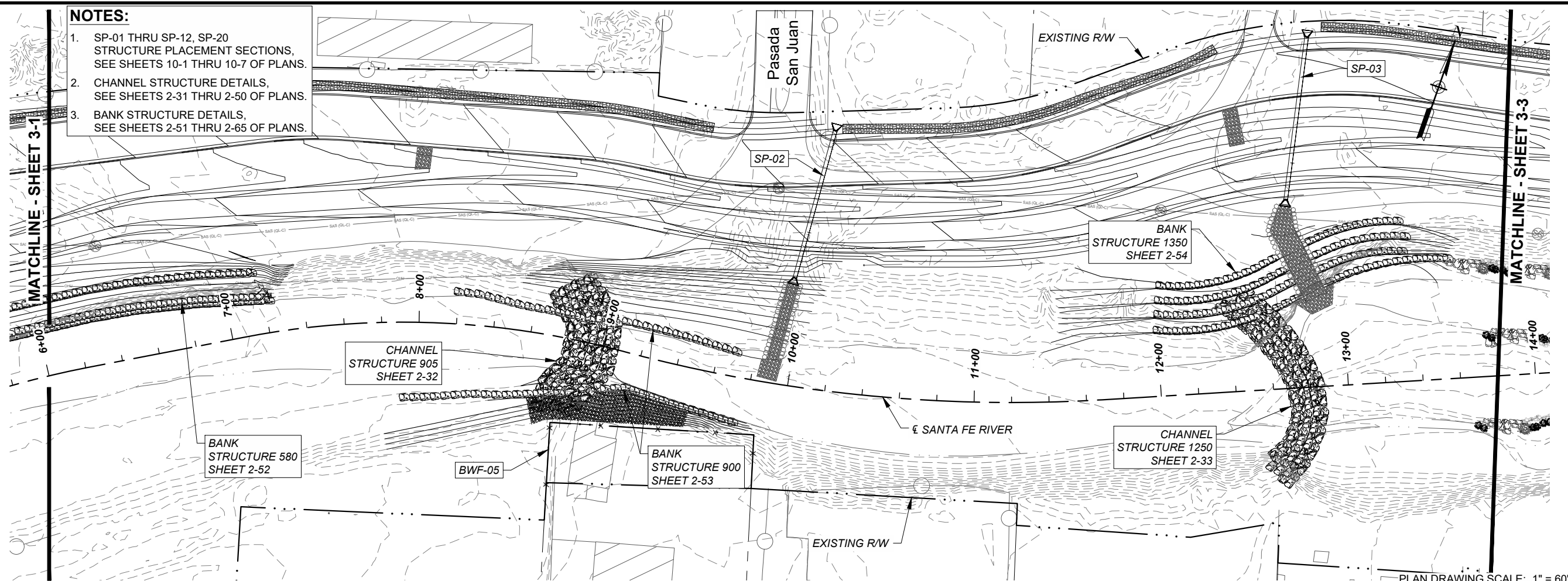
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SANTA FE RIVER
PLAN AND PROFILE

SHEET NUMBER

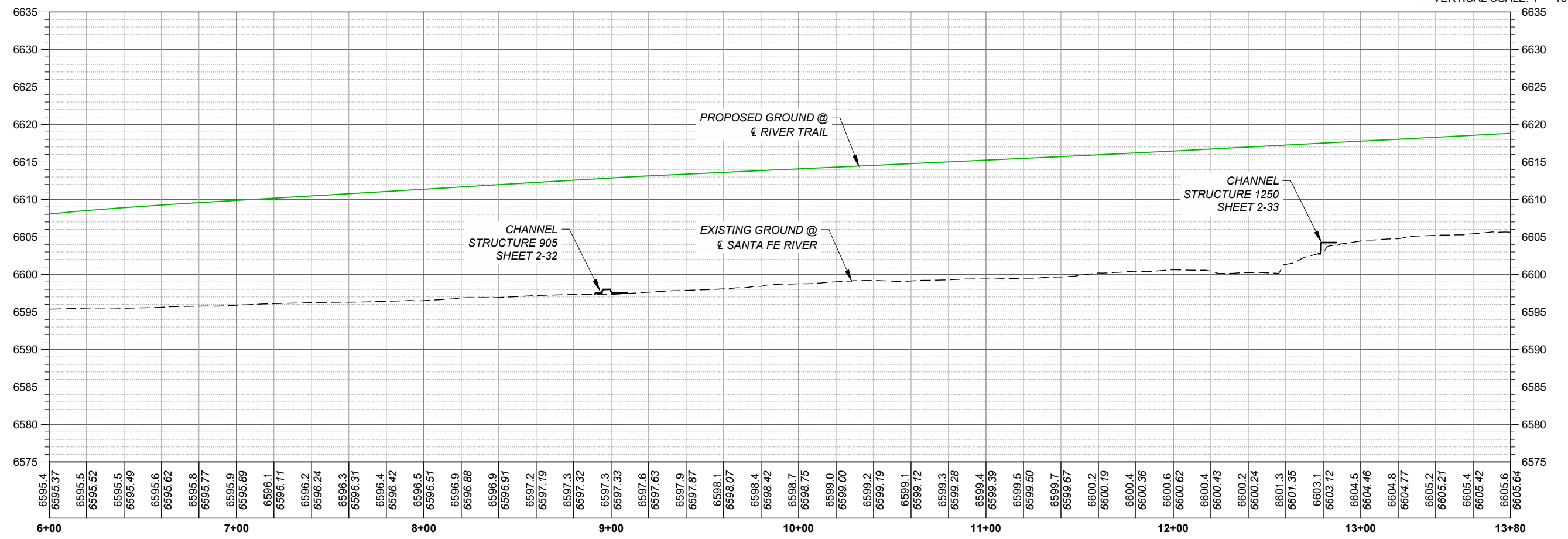
3 - 1

- NOTES:**
1. SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 2. CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 3. BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.



PLAN DRAWING SCALE: 1" = 60'

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'



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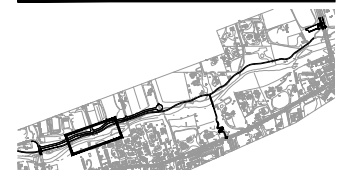
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I/R	DATE	DESCRIPTION

KEY PLAN



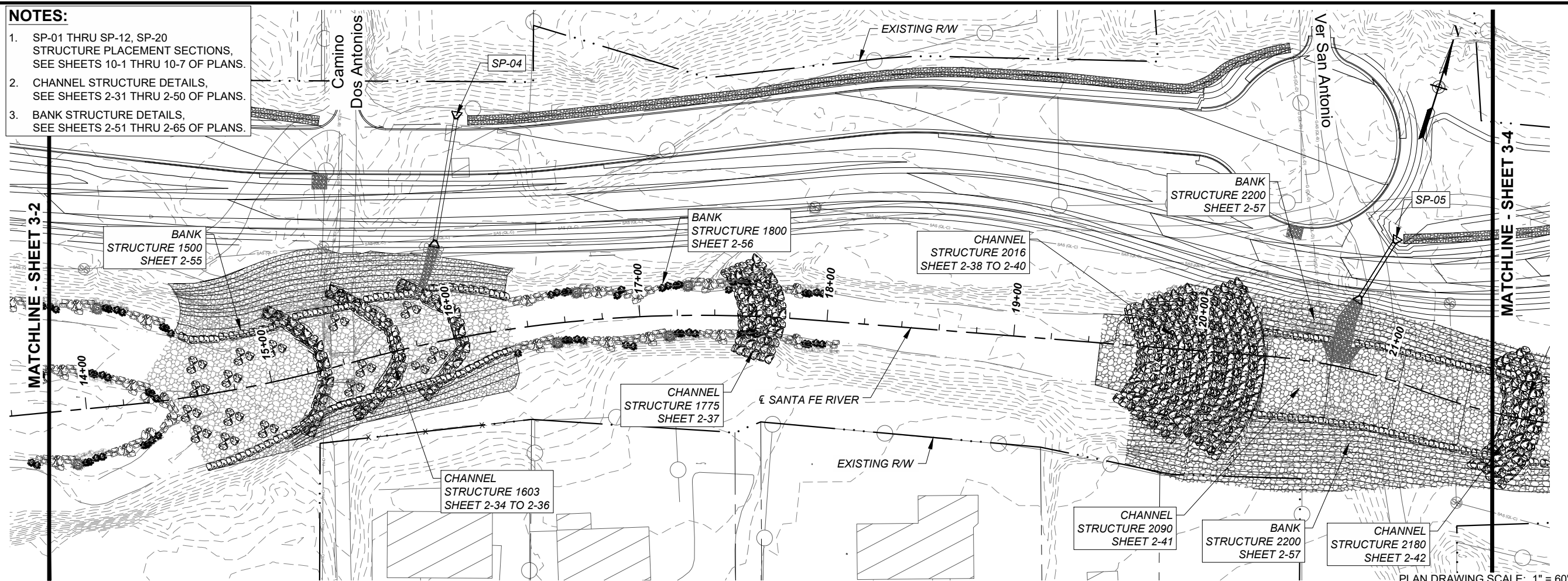
PROJECT NUMBER
357-7708

SHEET TITLE
SANTA FE RIVER
PLAN AND PROFILE

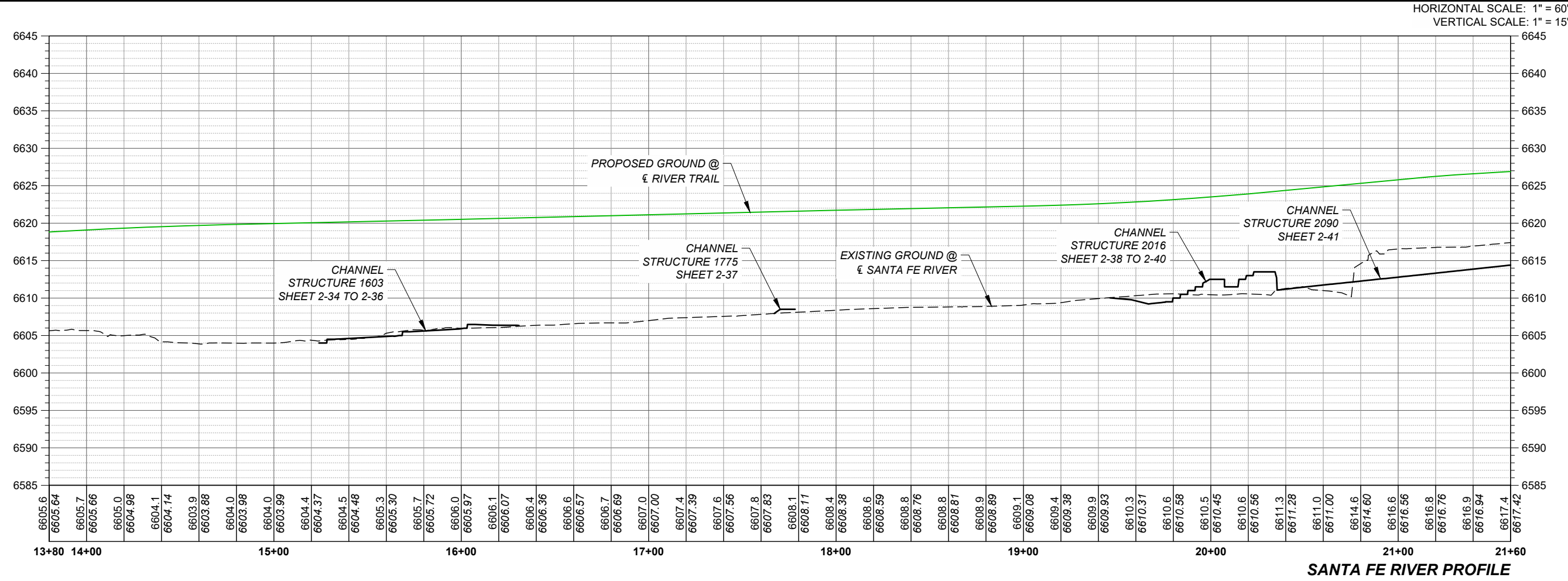
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Project Management Initials: Designer: CDS Checked: RKR Approved: MM
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- NOTES:**
- SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
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 - CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 - BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.



PLAN DRAWING SCALE: 1" = 60'



SANTA FE RIVER PROFILE



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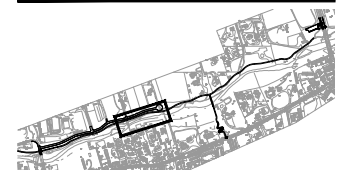
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

357-7708

SHEET TITLE

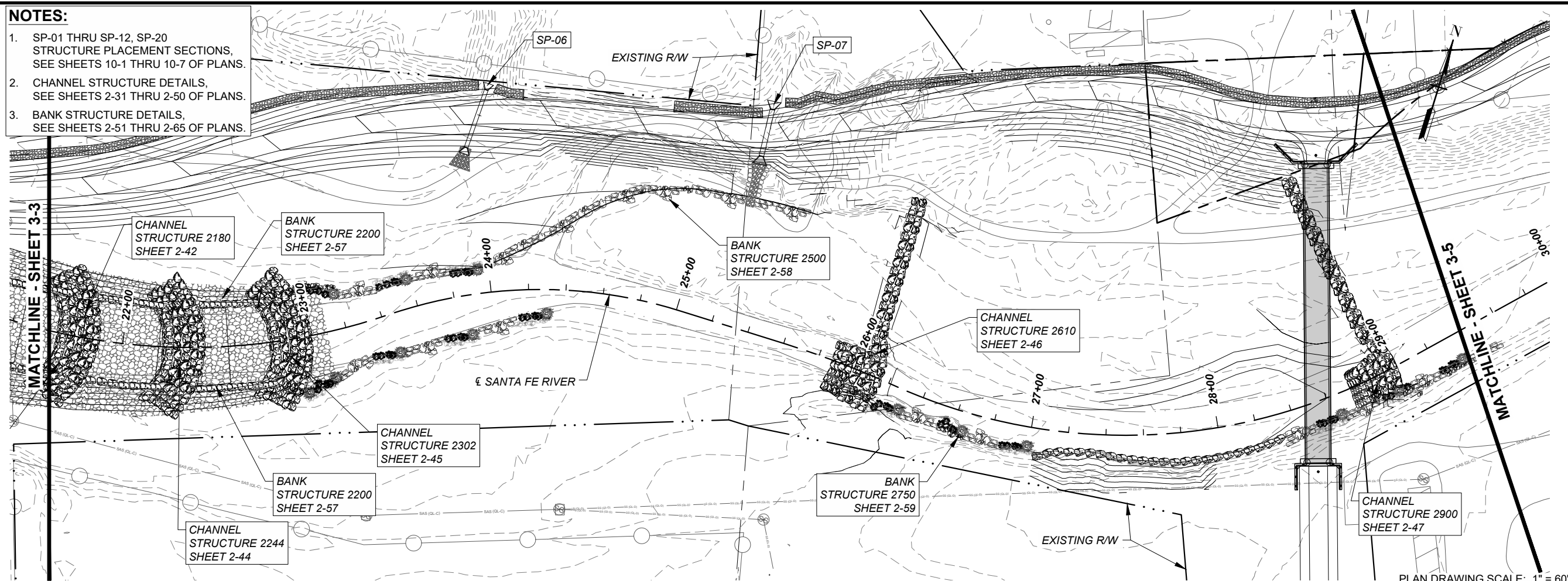
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SHEET NUMBER

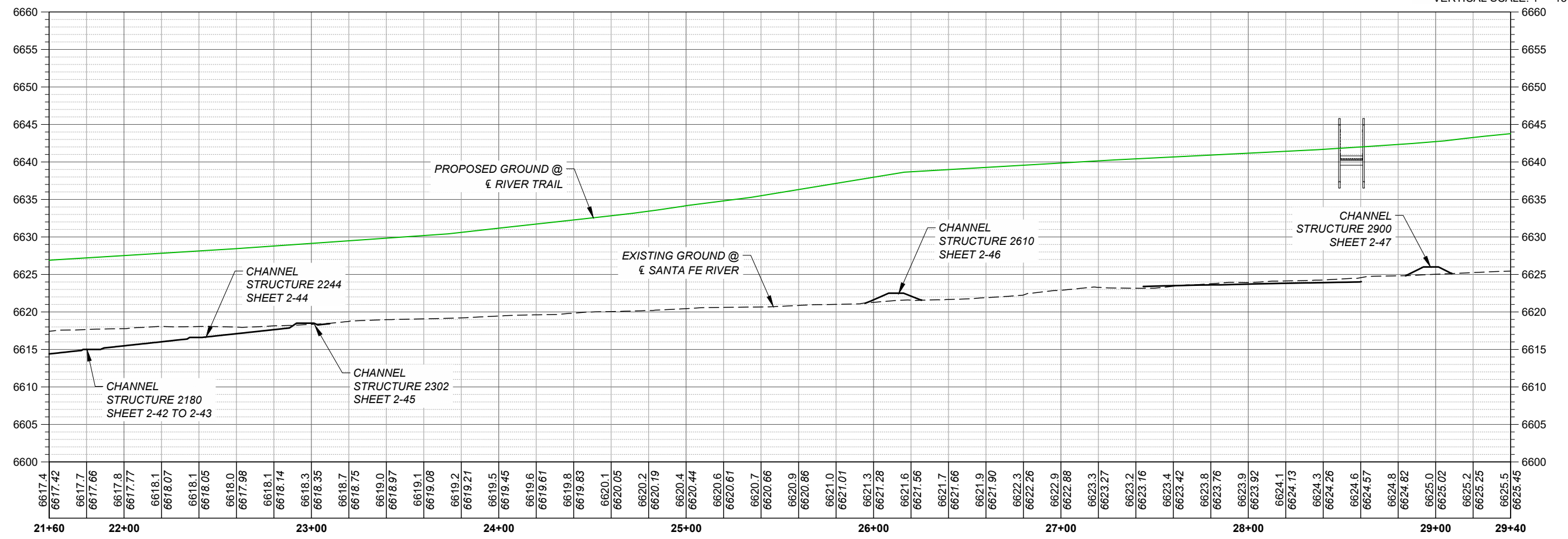
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NOTES:

1. SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
2. CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
3. BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.



PLAN DRAWING SCALE: 1" = 60'
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'



SANTA FE RIVER PROFILE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

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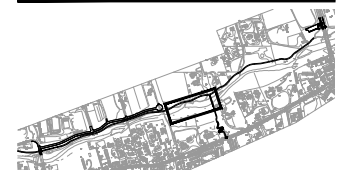
REGISTRATION



ISSUE/REVISION

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KEY PLAN

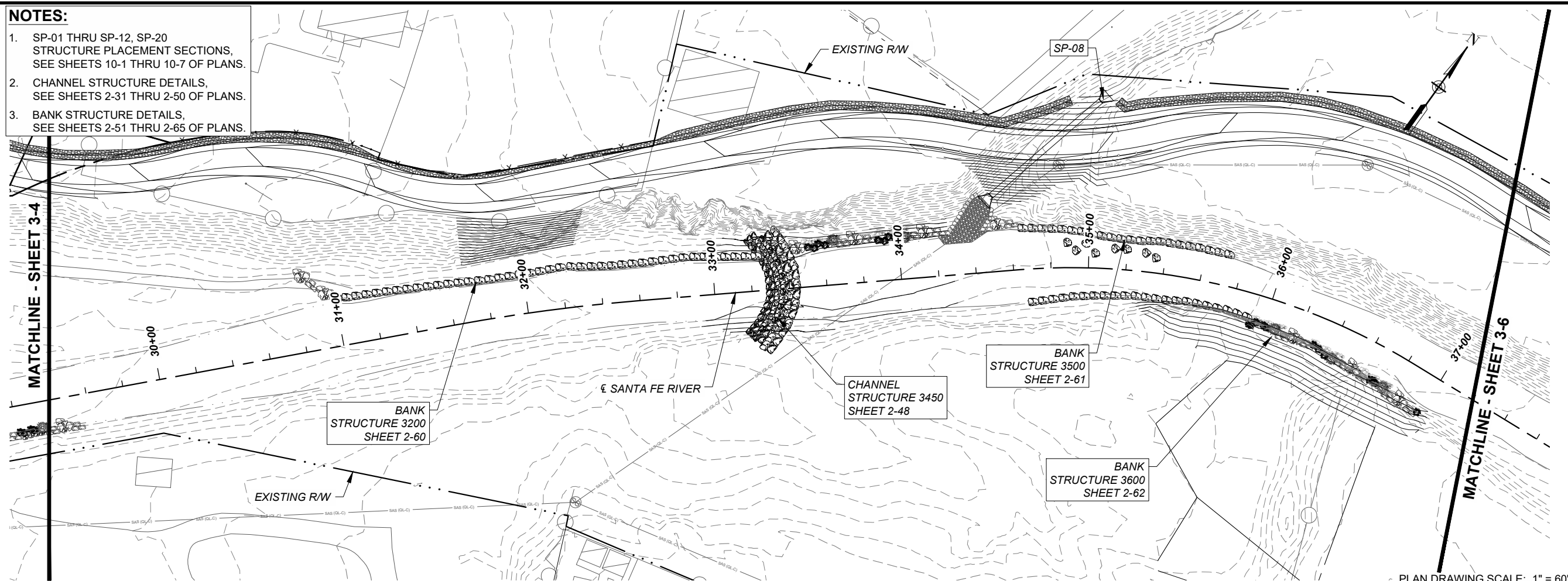


PROJECT NUMBER
357-7708

SHEET TITLE
SANTA FE RIVER
PLAN AND PROFILE

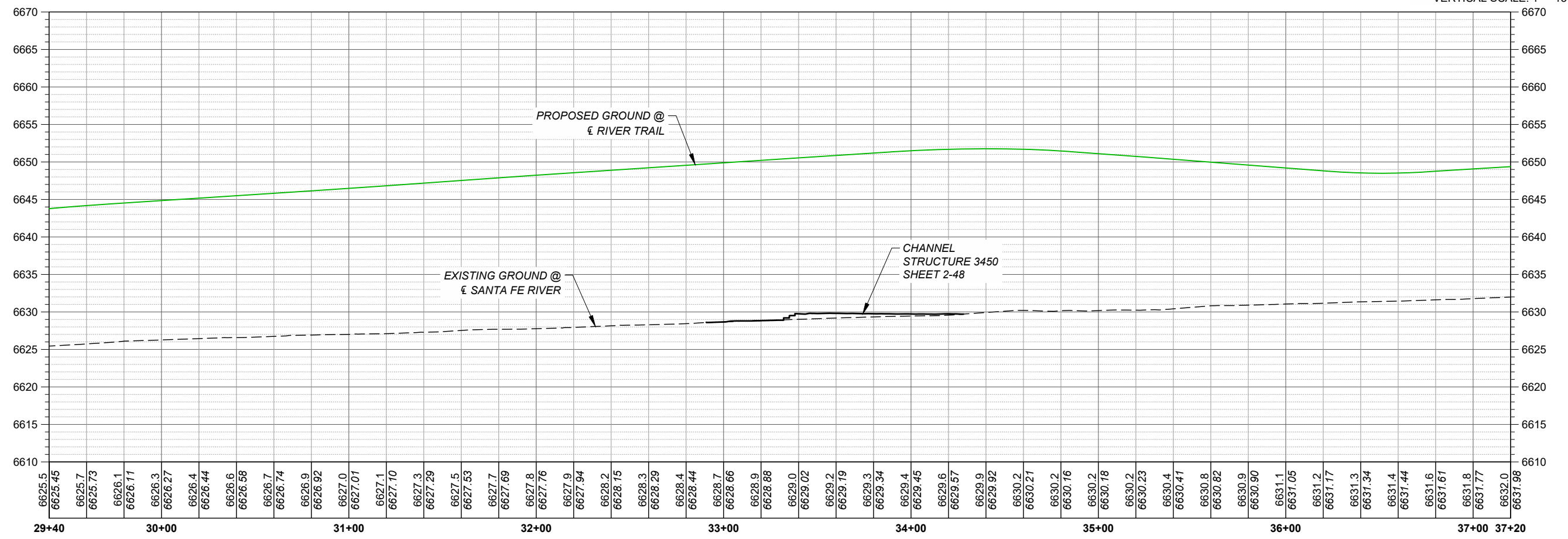
SHEET NUMBER
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- NOTES:**
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STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 2. CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 3. BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.



PLAN DRAWING SCALE: 1" = 60'

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'



SANTA FE RIVER PROFILE



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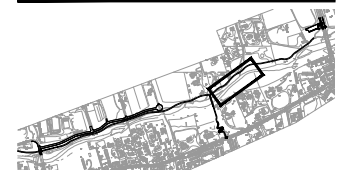
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ISSUE/REVISION

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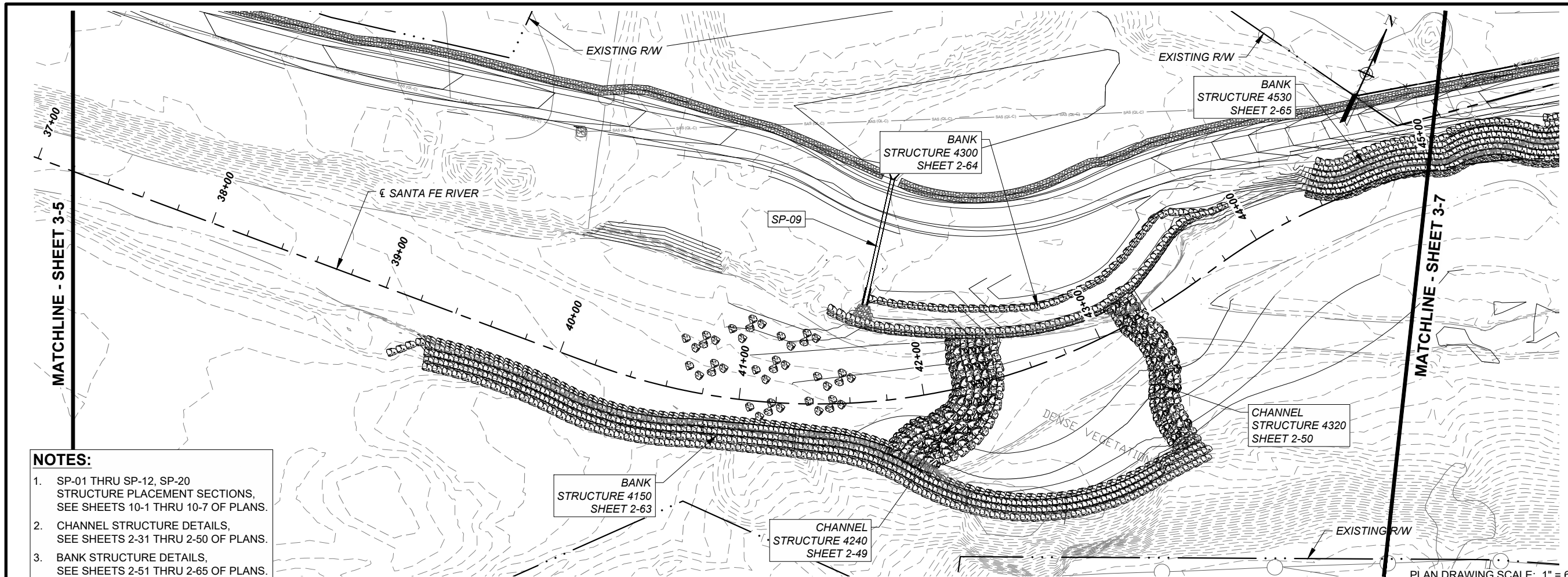
KEY PLAN



PROJECT NUMBER
357-7708

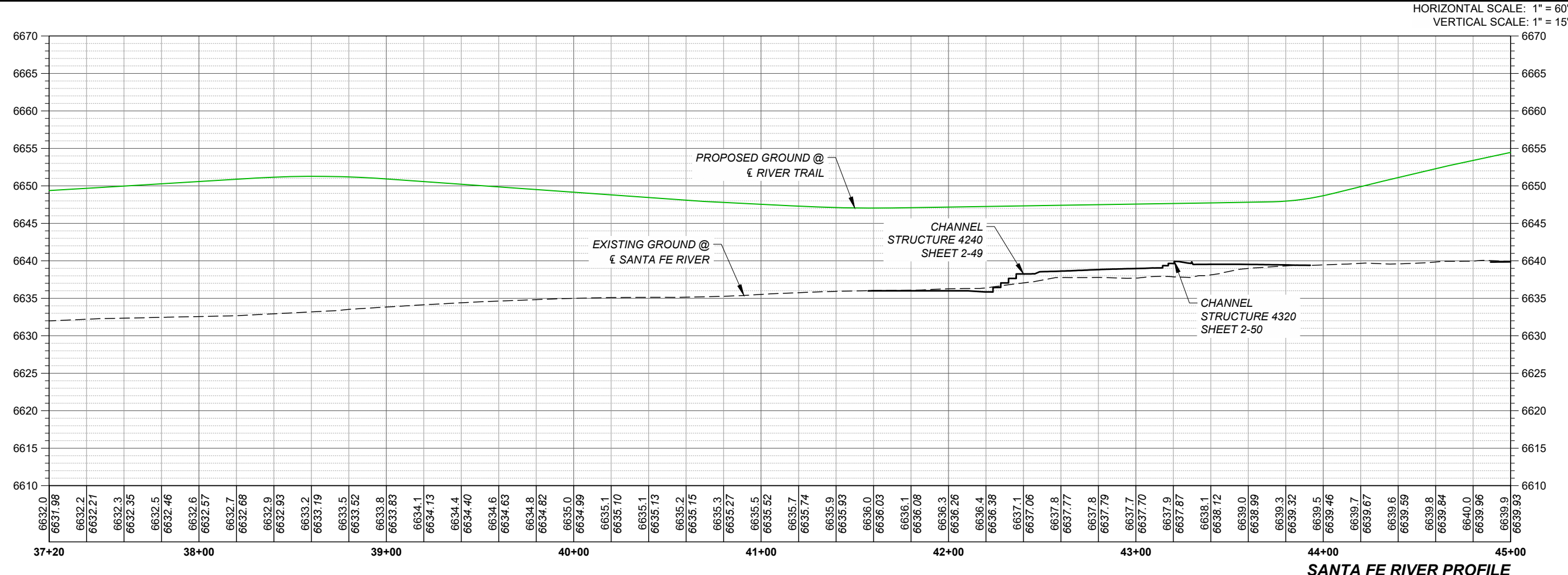
SHEET TITLE
SANTA FE RIVER
PLAN AND PROFILE

SHEET NUMBER
3 - 5



- NOTES:**
1. SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
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 2. CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 3. BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.

PLAN DRAWING SCALE: 1" = 60'



HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'

SANTA FE RIVER PROFILE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
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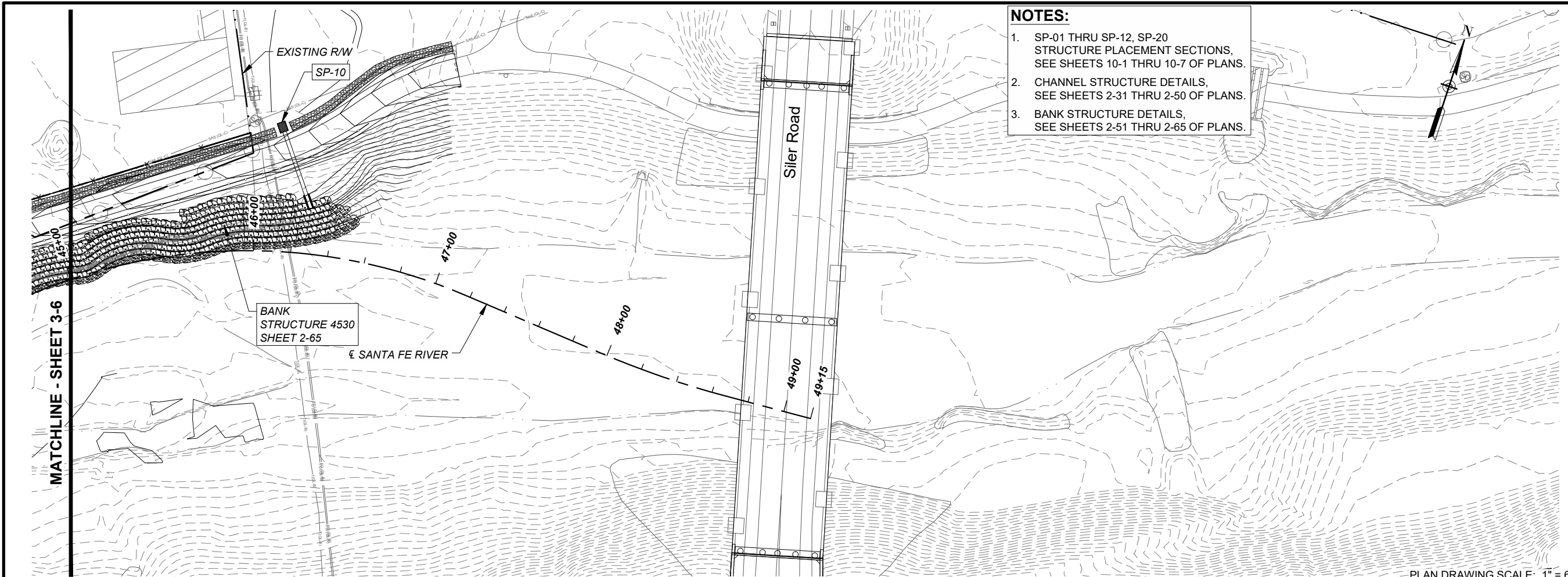
KEY PLAN



PROJECT NUMBER
357-7708

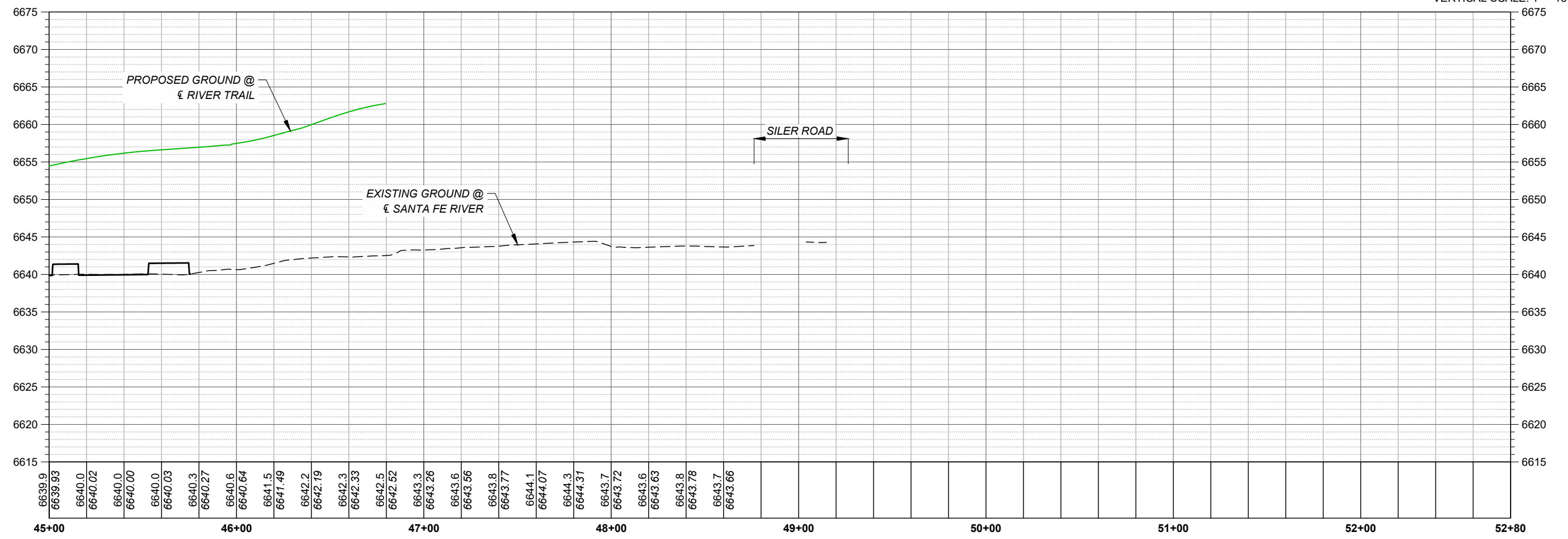
SHEET TITLE
SANTA FE RIVER
PLAN AND PROFILE

SHEET NUMBER
3 - 6



- NOTES:**
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STRUCTURE PLACEMENT SECTIONS,
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 2. CHANNEL STRUCTURE DETAILS,
SEE SHEETS 2-31 THRU 2-50 OF PLANS.
 3. BANK STRUCTURE DETAILS,
SEE SHEETS 2-51 THRU 2-65 OF PLANS.

PLAN DRAWING SCALE: 1" = 60'
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 15'



SANTA FE RIVER PROFILE



PROJECT
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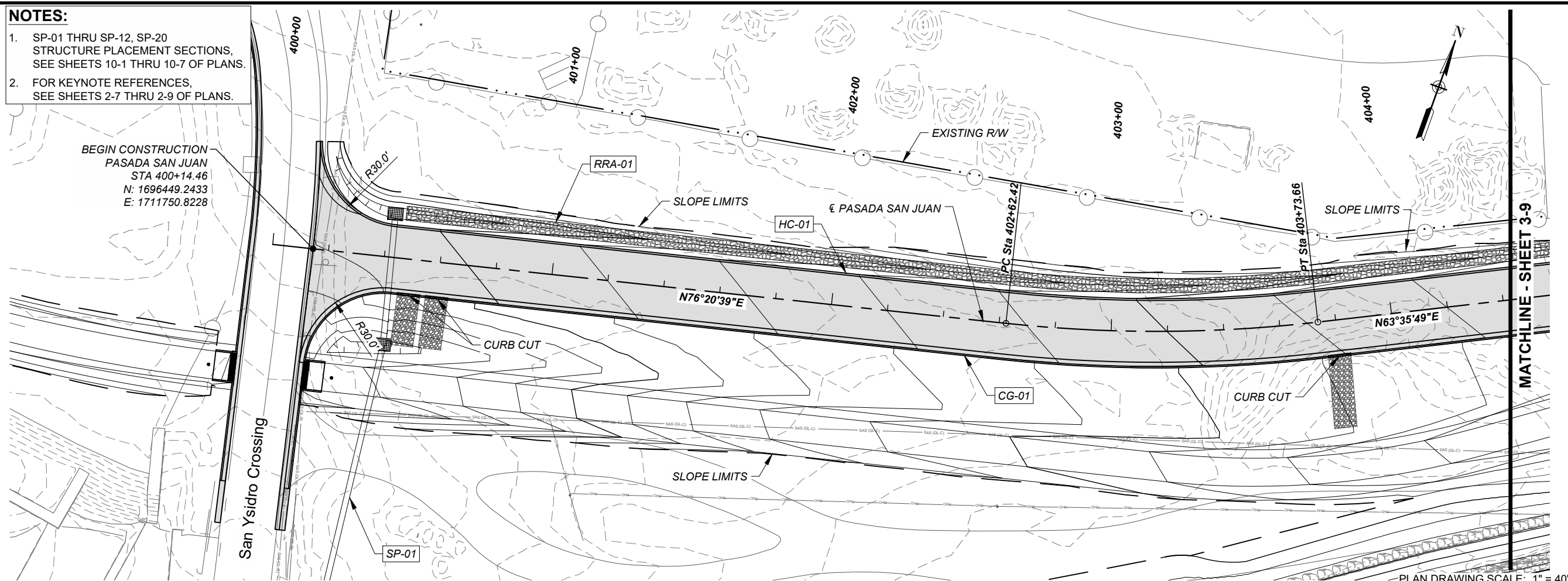
SHEET TITLE
SANTA FE RIVER
PLAN AND PROFILE

SHEET NUMBER
3 - 7

NOTES:

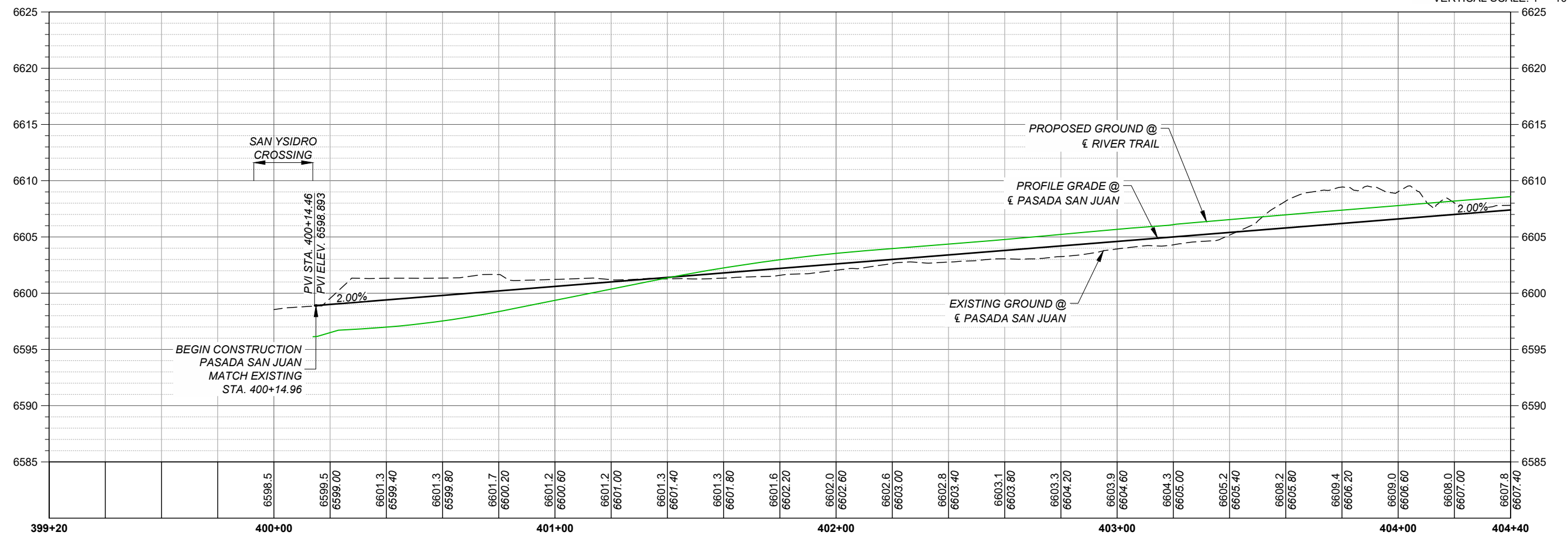
1. SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
2. FOR KEYNOTE REFERENCES,
SEE SHEETS 2-7 THRU 2-9 OF PLANS.

BEGIN CONSTRUCTION
PASADA SAN JUAN
STA 400+14.46
N: 1696449.2433
E: 1711750.8228



PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



PASADA SAN JUAN PROFILE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

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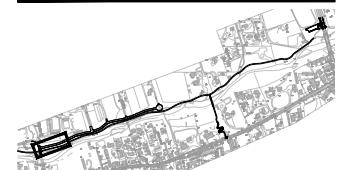
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ISSUE/REVISION

I/R	DATE	DESCRIPTION

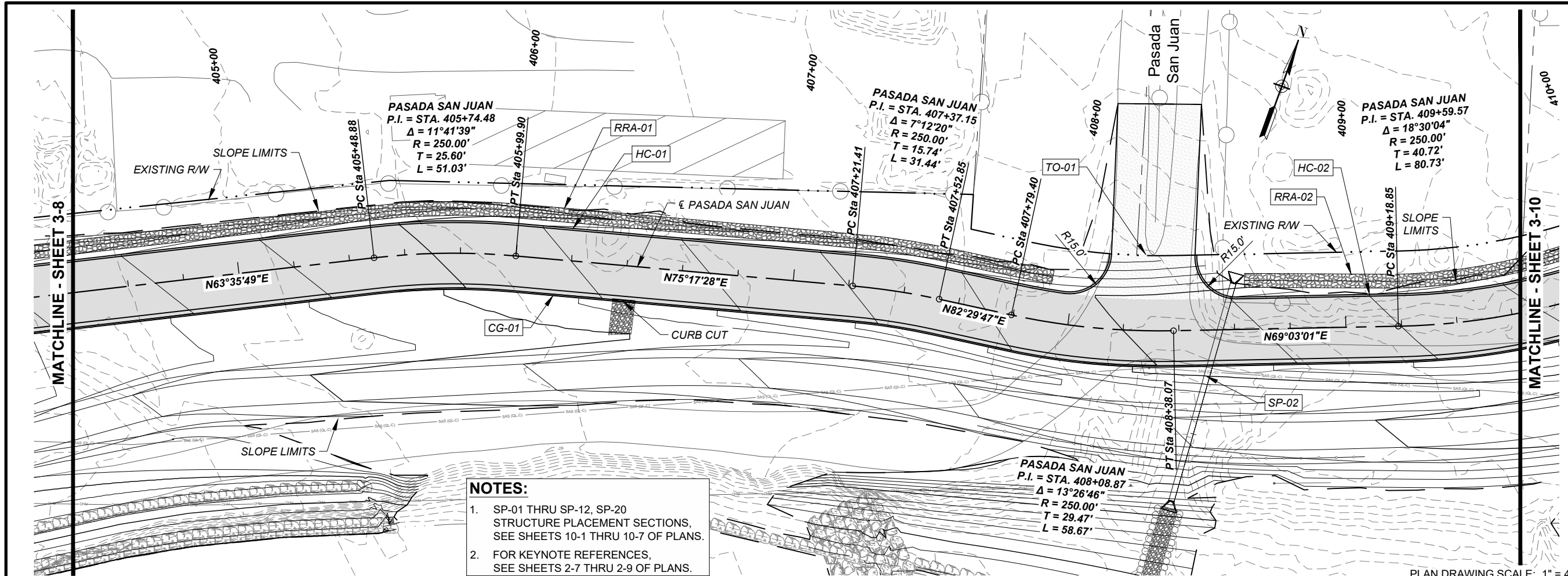
KEY PLAN



PROJECT NUMBER
357-7708

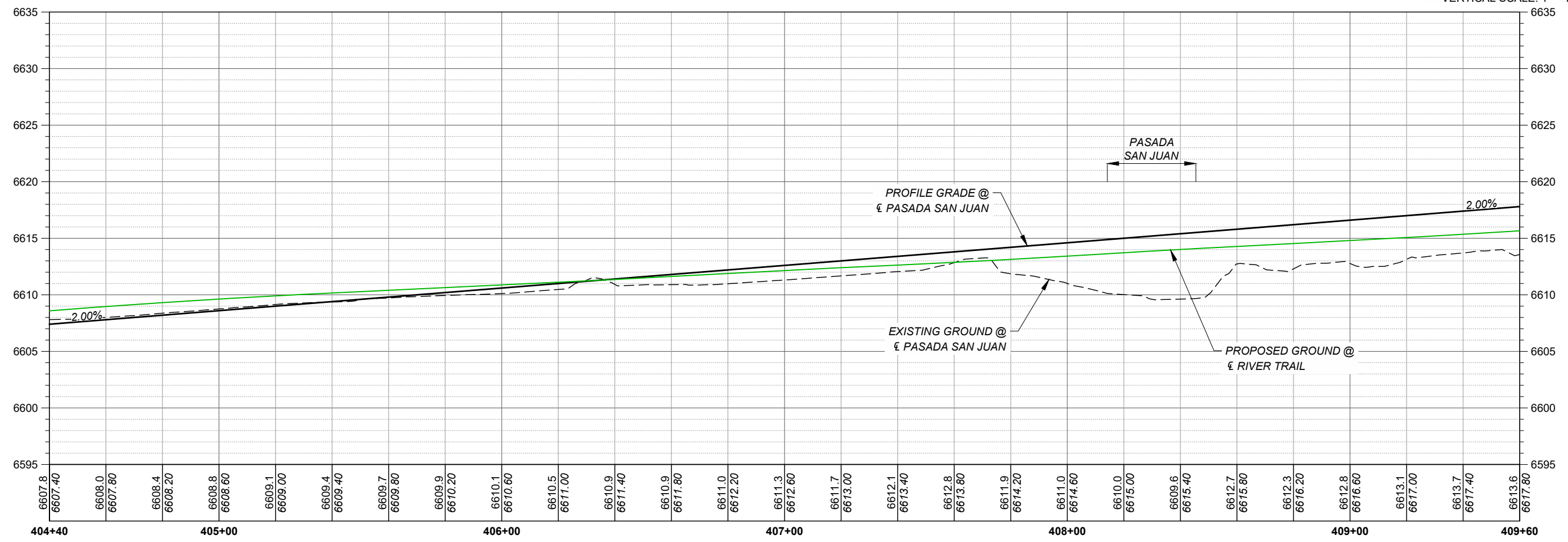
SHEET TITLE
PASADA SAN JUAN
PLAN AND PROFILE

SHEET NUMBER
3 - 8



- NOTES:**
1. SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 2. FOR KEYNOTE REFERENCES,
SEE SHEETS 2-7 THRU 2-9 OF PLANS.

PLAN DRAWING SCALE: 1" = 40'
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



PASADA SAN JUAN PROFILE



PROJECT
SANTA FE RIVER
GREENWAY PROJECT
(SECTION B)

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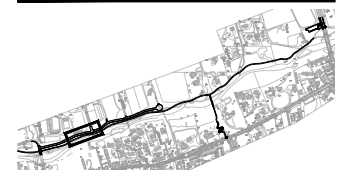
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

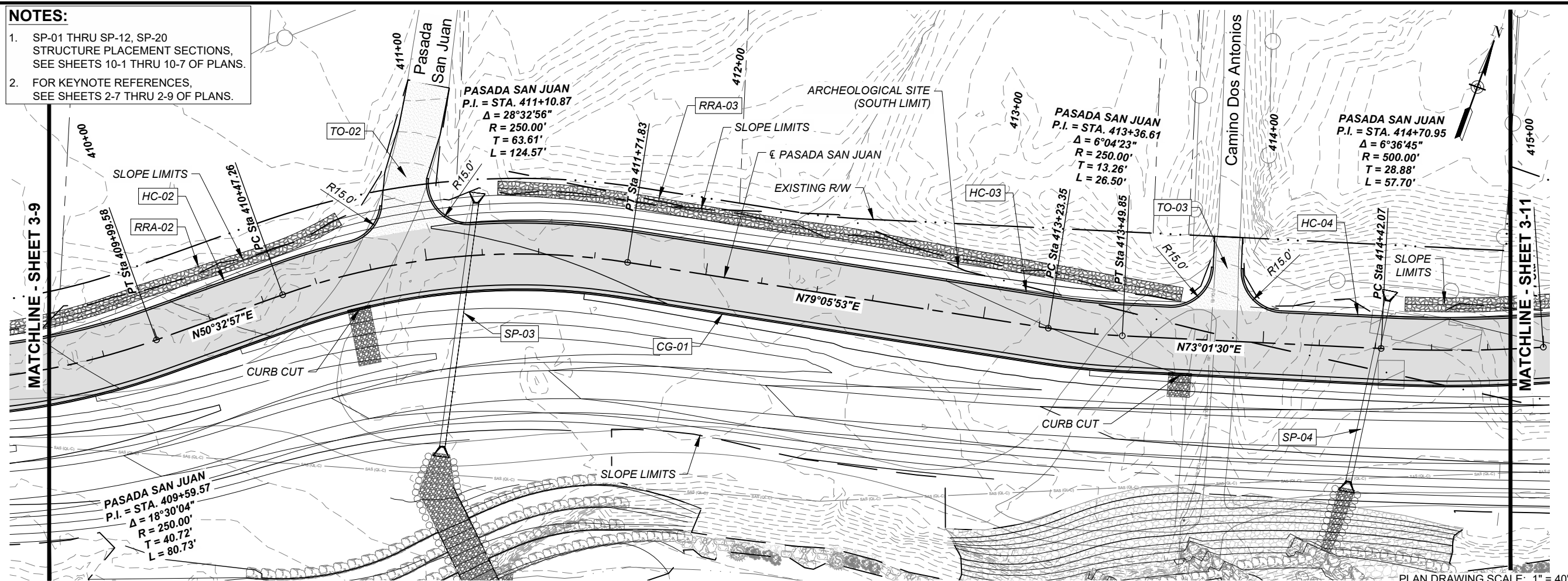


PROJECT NUMBER
357-7708

SHEET TITLE
PASADA SAN JUAN
PLAN AND PROFILE

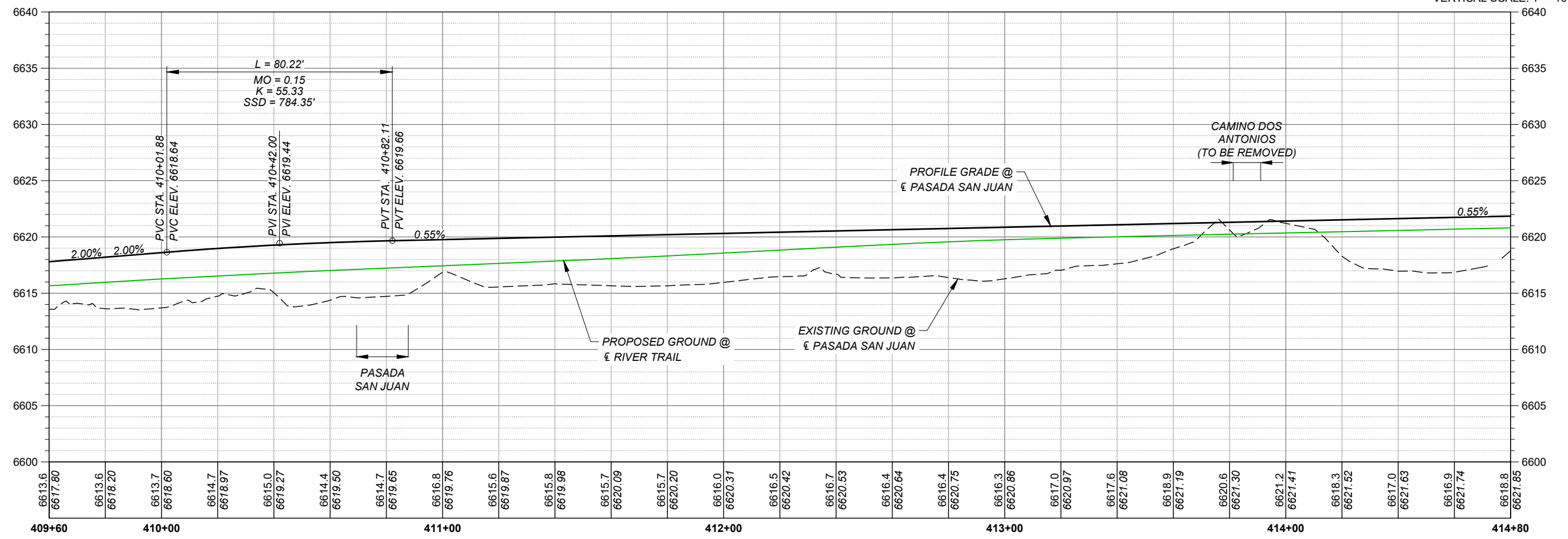
SHEET NUMBER
3 - 9

- NOTES:**
- SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
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 - FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



PASADA SAN JUAN PROFILE



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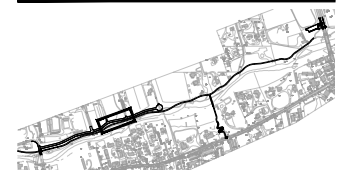
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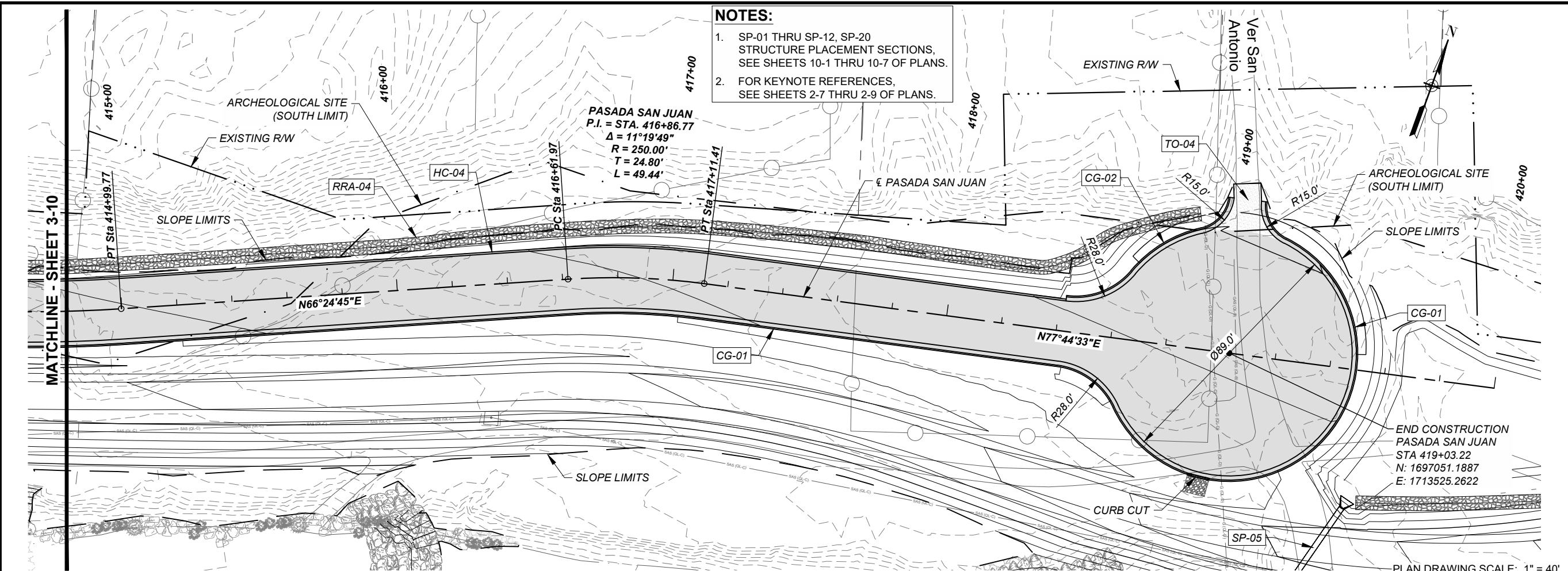
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PROJECT NUMBER
357-7708

SHEET TITLE
PASADA SAN JUAN
PLAN AND PROFILE

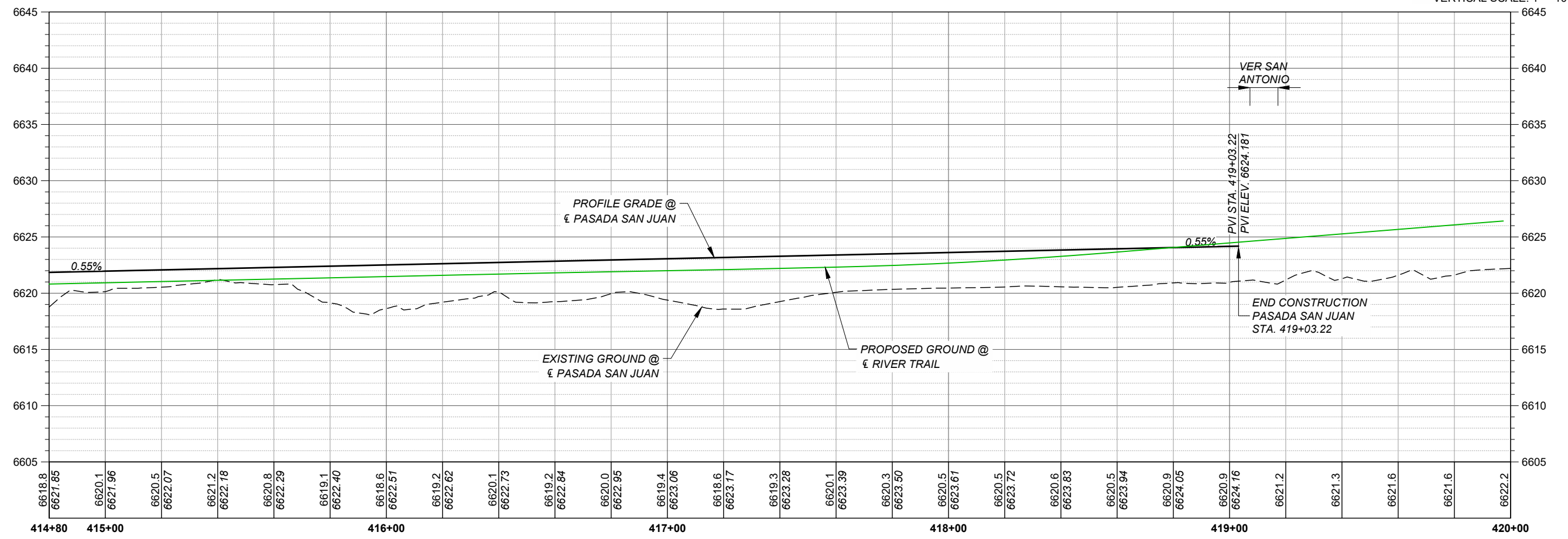
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NOTES:
 1. SP-01 THRU SP-12, SP-20
 STRUCTURE PLACEMENT SECTIONS,
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PASADA SAN JUAN
 P.I. = STA. 416+86.77
 $\Delta = 11^\circ 19' 49''$
 $R = 250.00'$
 $T = 24.80'$
 $L = 49.44'$

PLAN DRAWING SCALE: 1" = 40'
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



PASADA SAN JUAN PROFILE



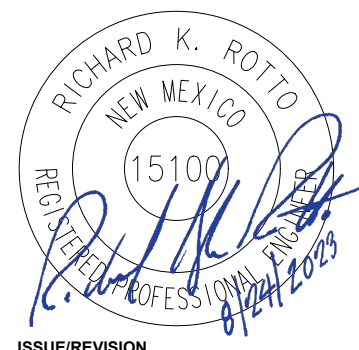
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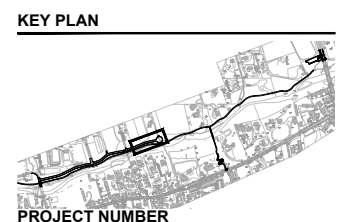
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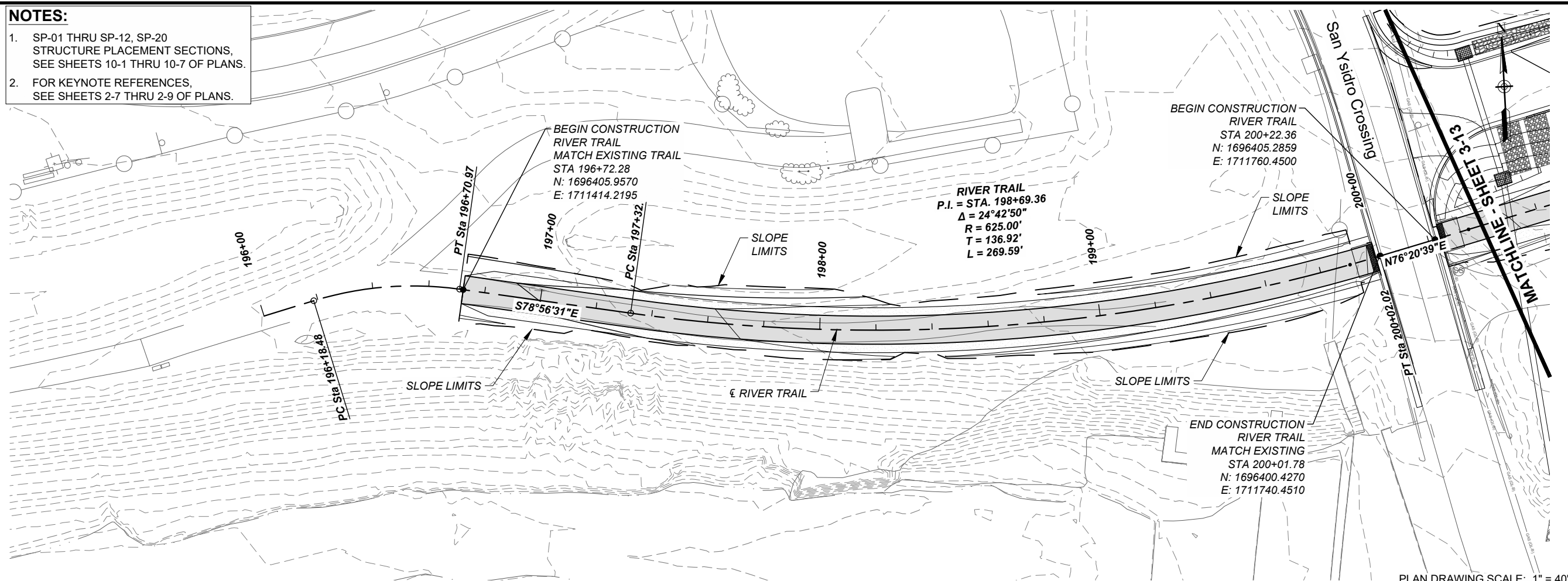
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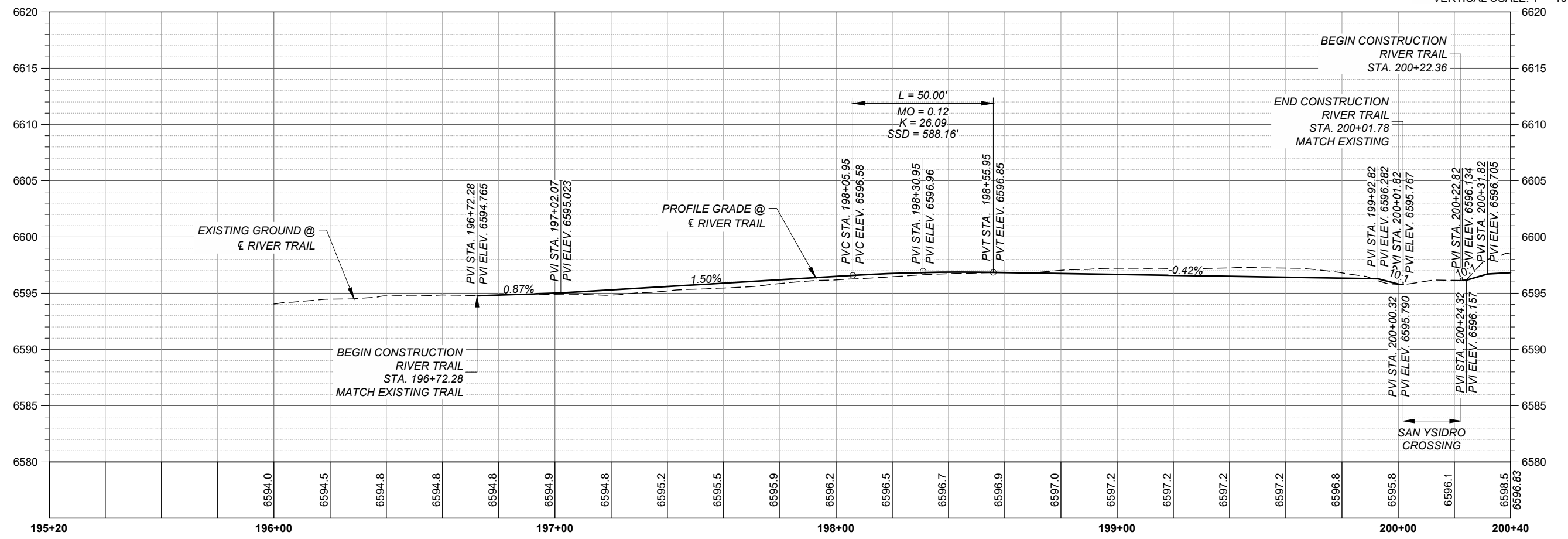
SHEET NUMBER
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NOTES:
 1. SP-01 THRU SP-12, SP-20
 STRUCTURE PLACEMENT SECTIONS,
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 2. FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



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KEY PLAN

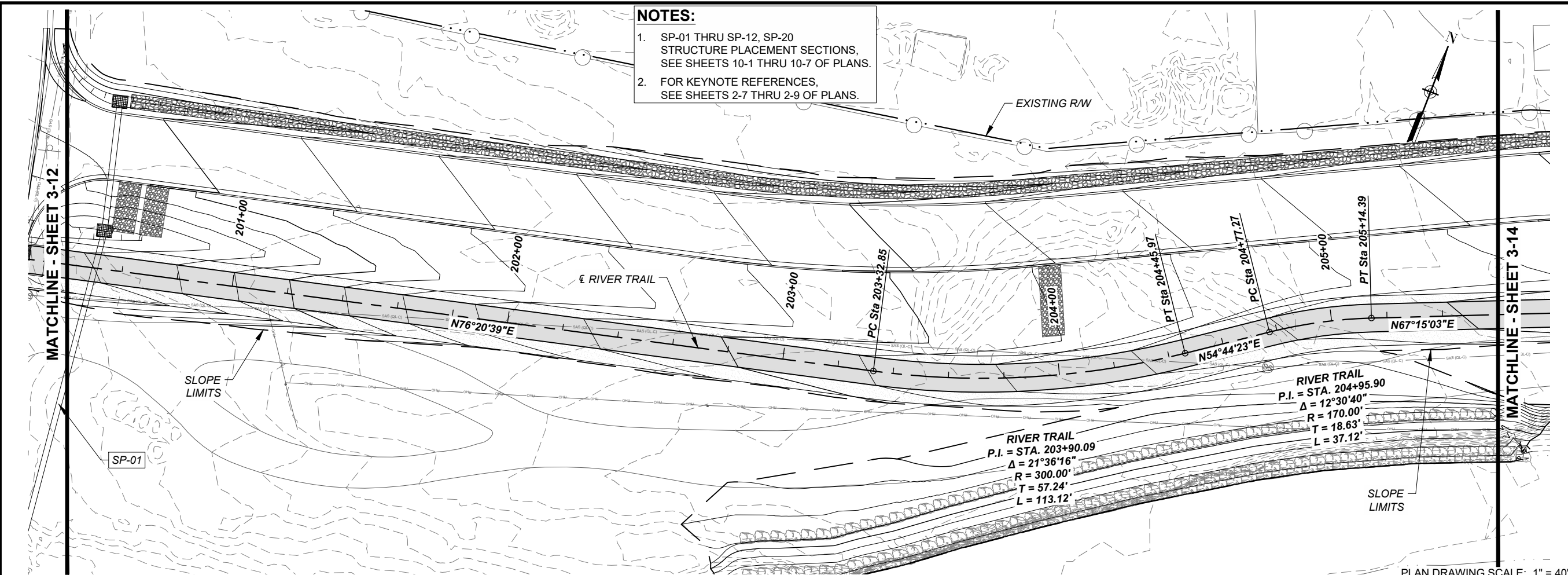


PROJECT NUMBER
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SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

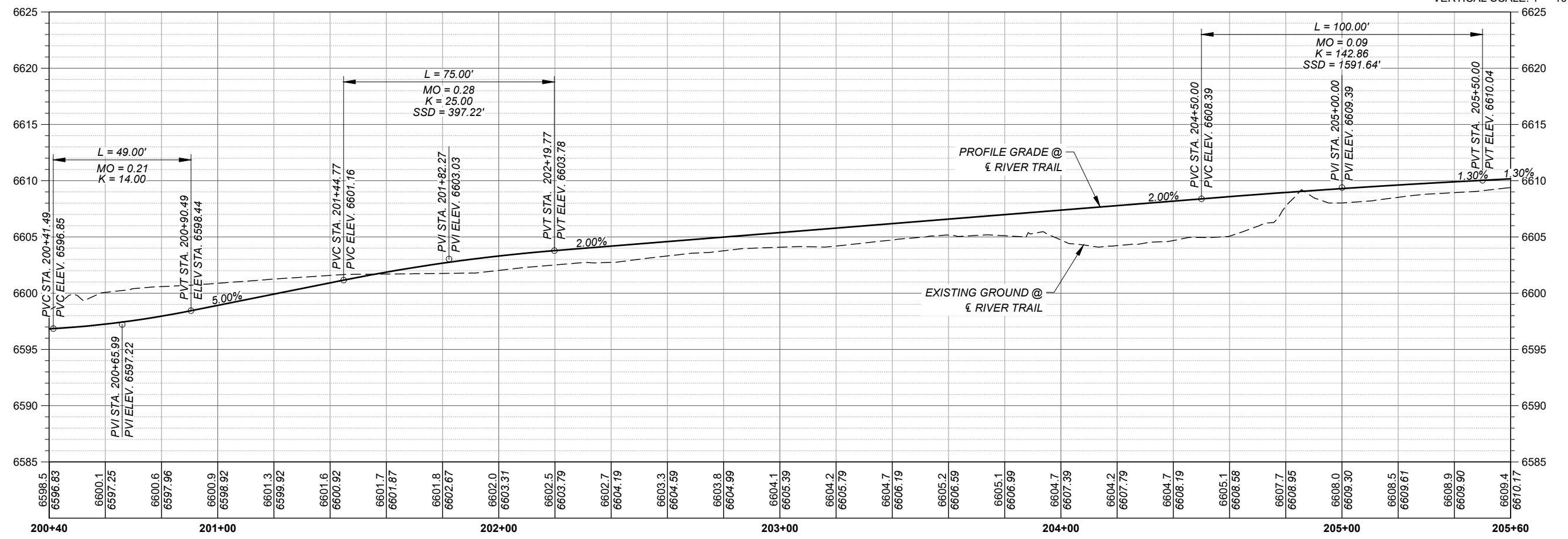
SHEET NUMBER
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NOTES:
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 STRUCTURE PLACEMENT SECTIONS,
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 2. FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



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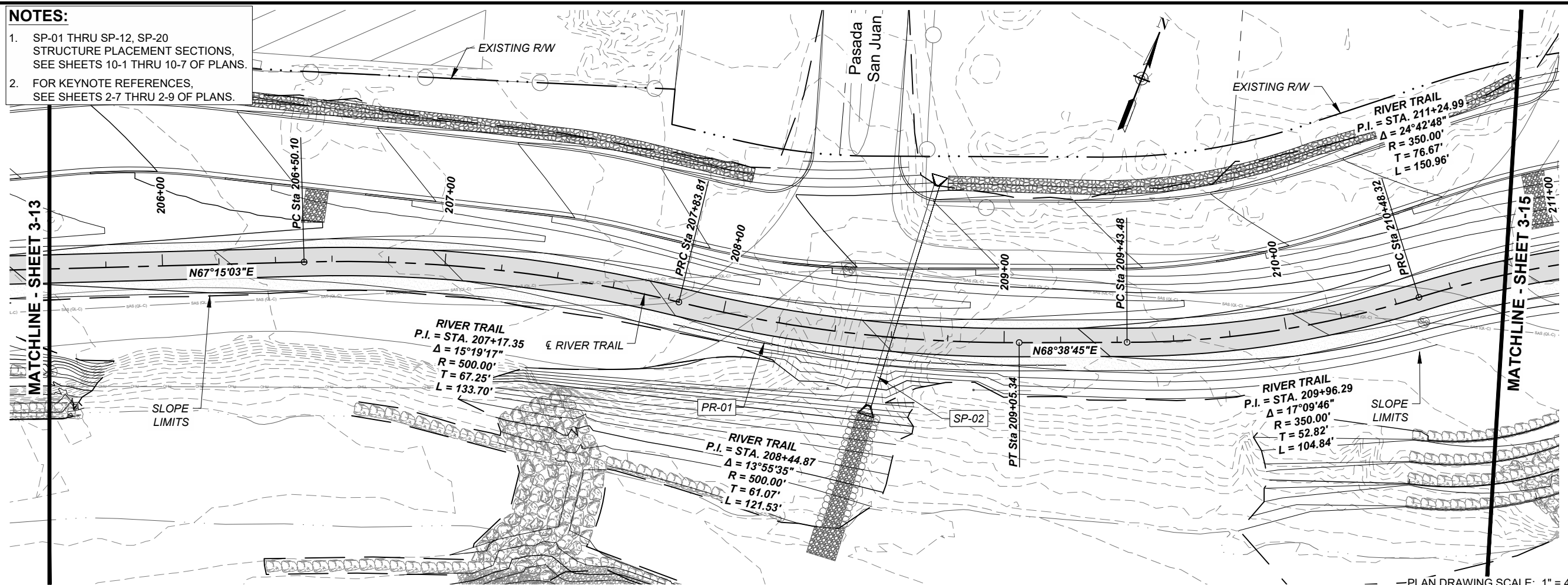


PROJECT NUMBER
 357-7708

SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

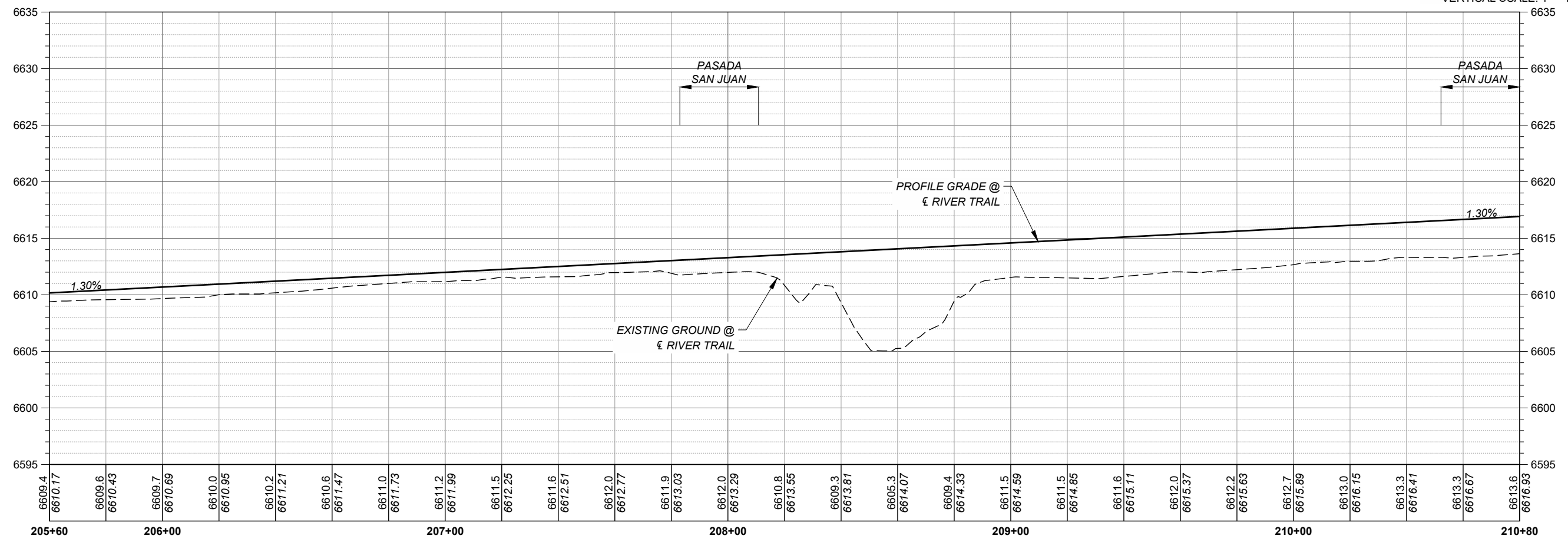
SHEET NUMBER
 3 - 13

- NOTES:**
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—PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



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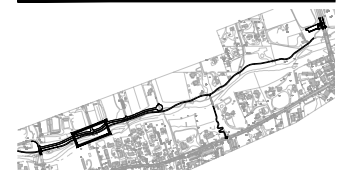
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I/R	DATE	DESCRIPTION

KEY PLAN



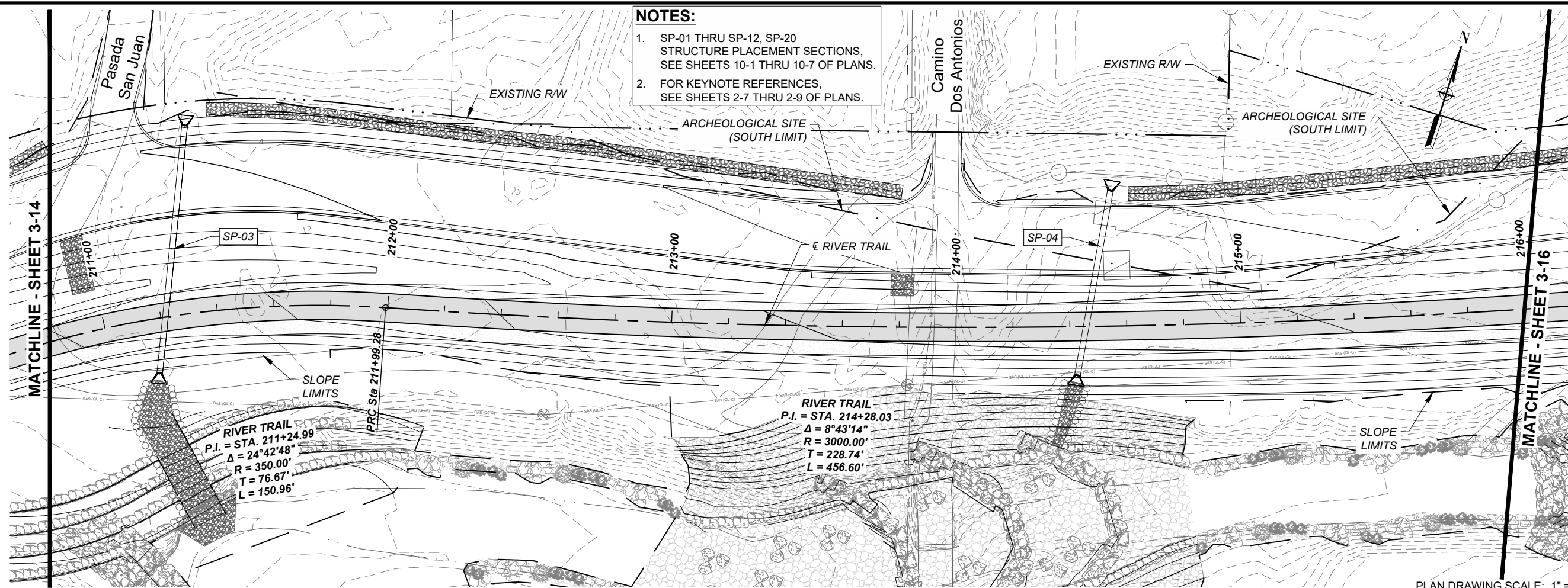
PROJECT NUMBER
357-7708

SHEET TITLE
RIVER TRAIL
PLAN AND PROFILE

SHEET NUMBER
3 - 14

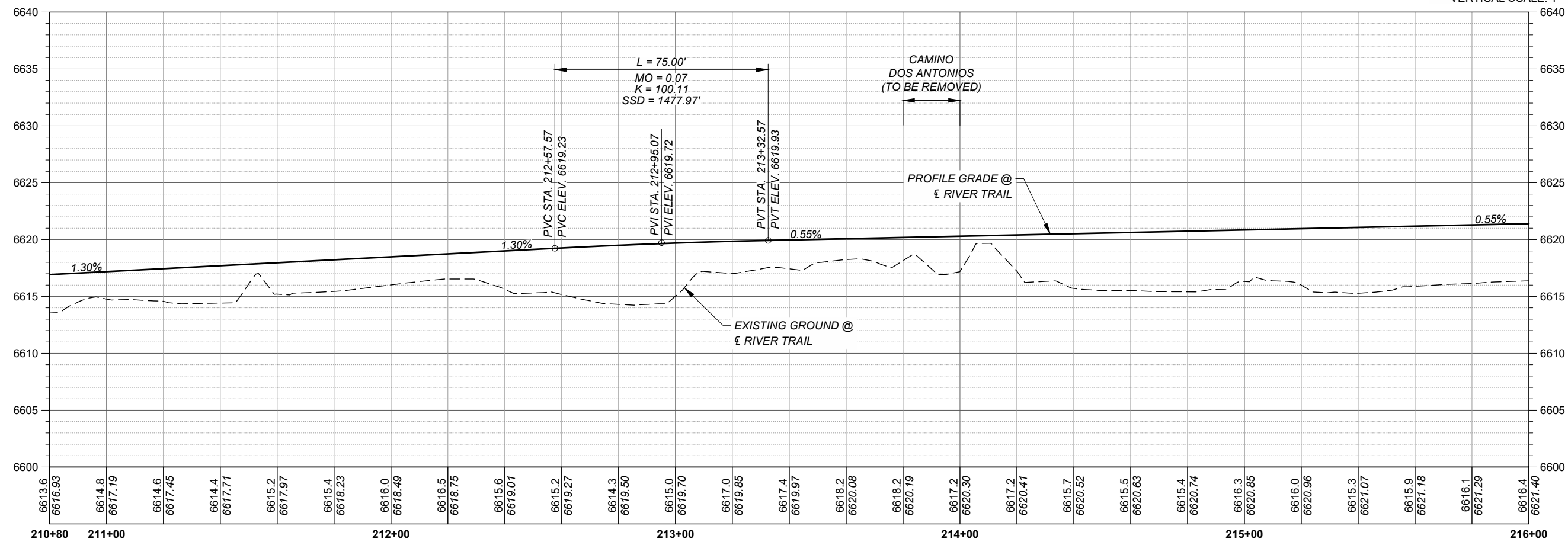
NOTES:

1. SP-01 THRU SP-12, SP-20
 STRUCTURE PLACEMENT SECTIONS,
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PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



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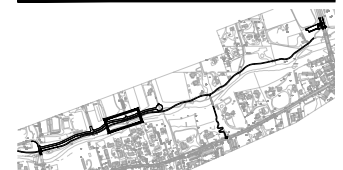
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ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

357-7708

SHEET TITLE

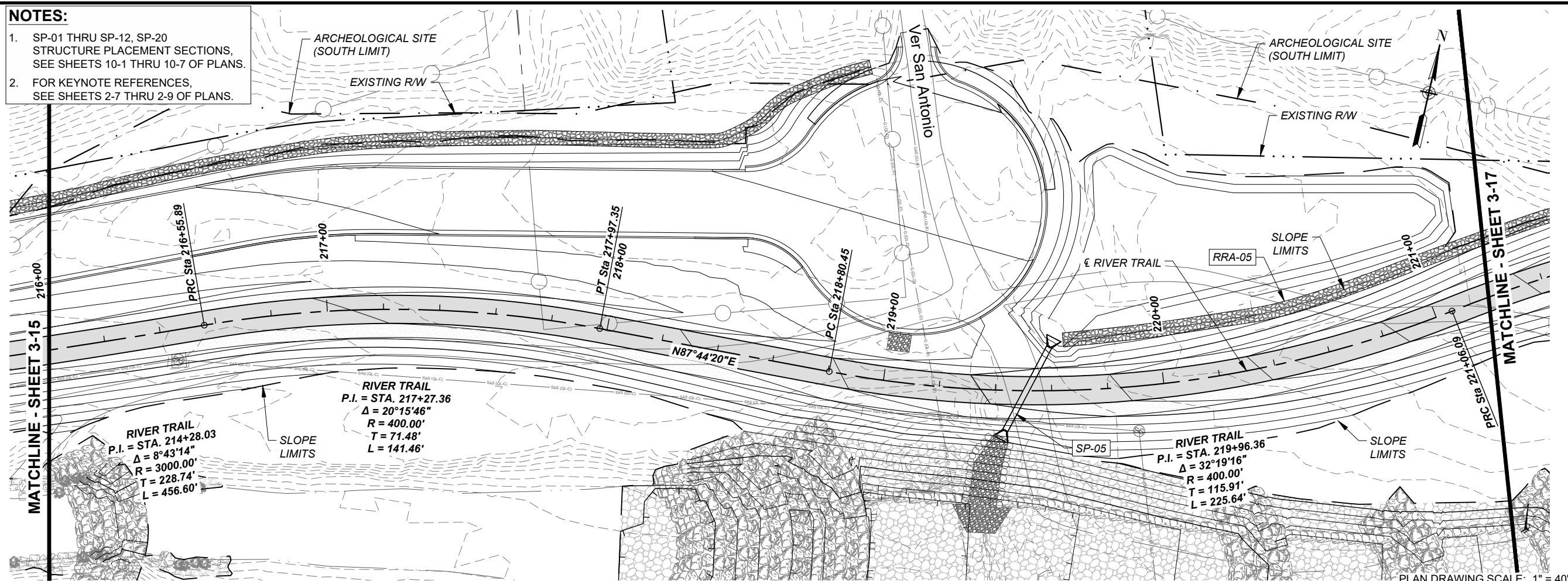
RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER

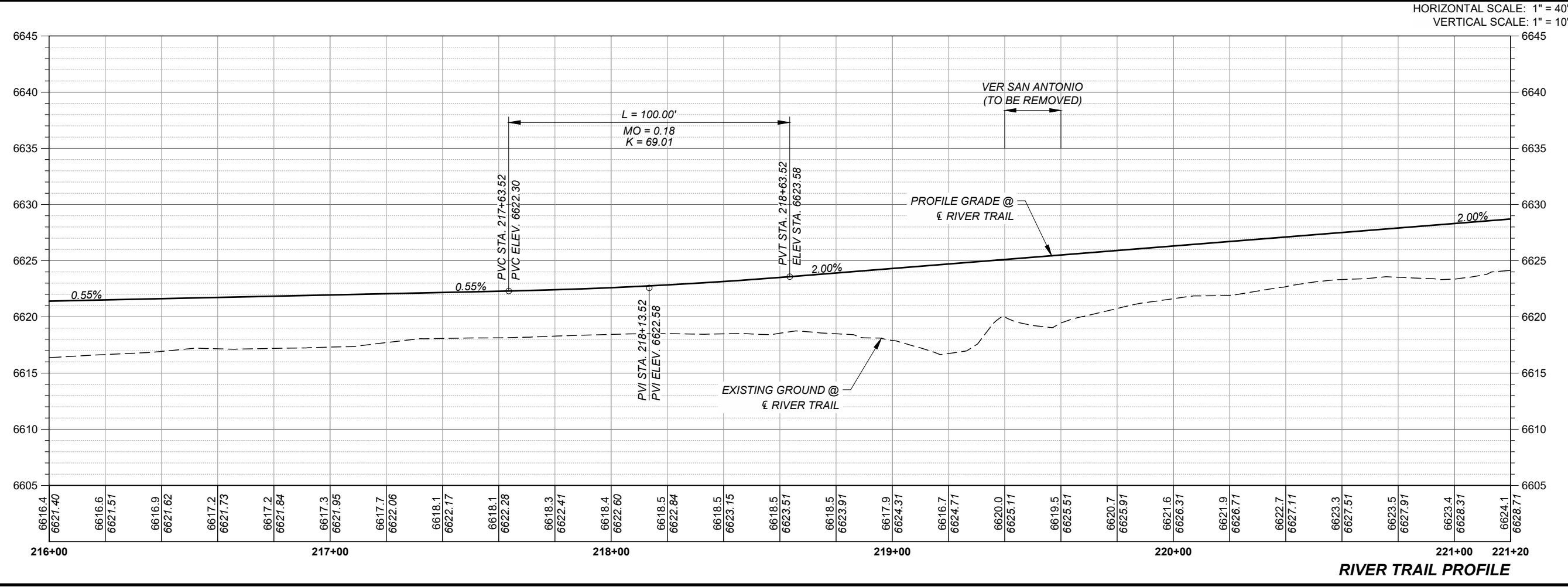
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Project Management Initials: Designer: CDS Checked: RKR Approved: MM
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- NOTES:**
- SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
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 - FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'

RIVER TRAIL PROFILE



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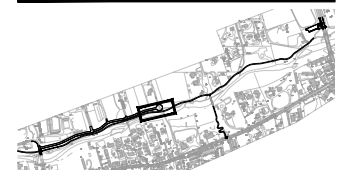
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KEY PLAN

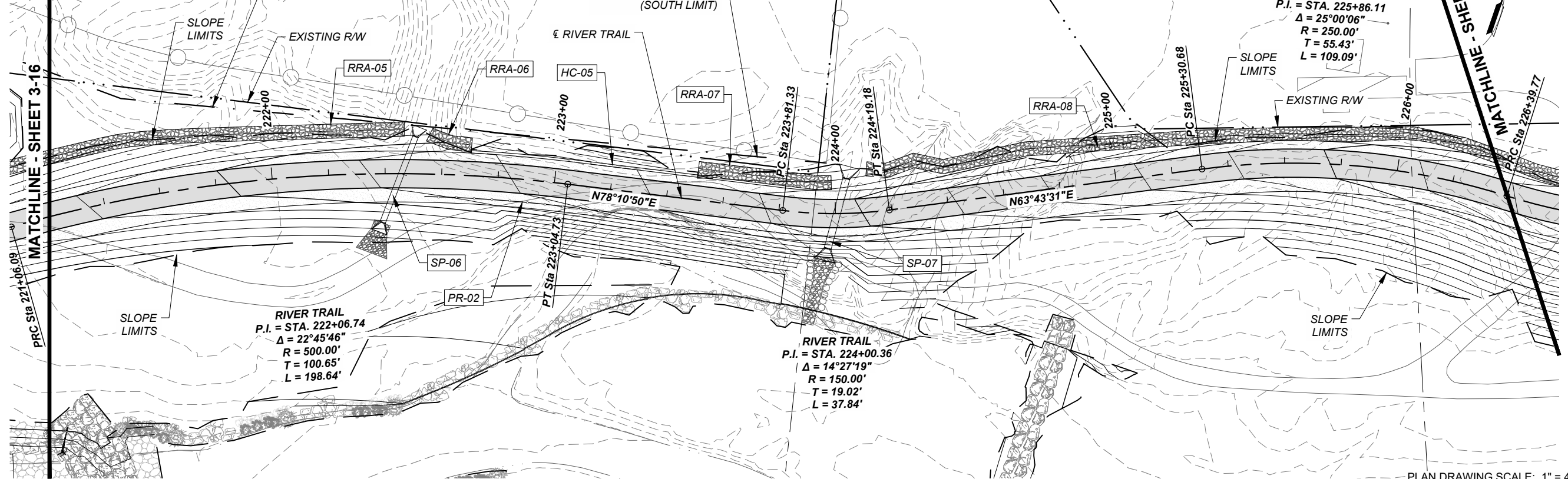


PROJECT NUMBER
 357-7708

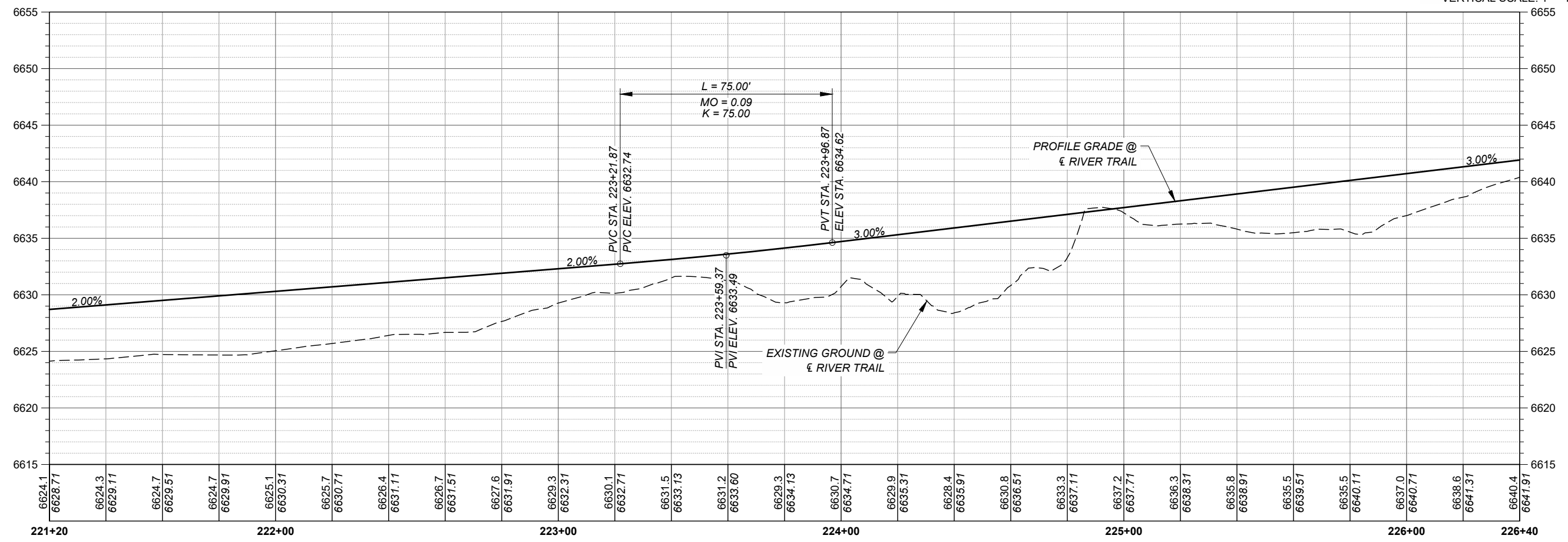
SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER
 3 - 16

- NOTES:**
- SP-01 THRU SP-12, SP-20
 STRUCTURE PLACEMENT SECTIONS,
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 - FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



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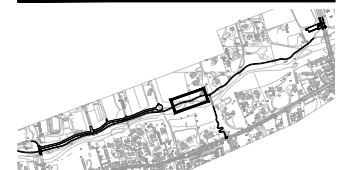
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ISSUE/REVISION

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KEY PLAN



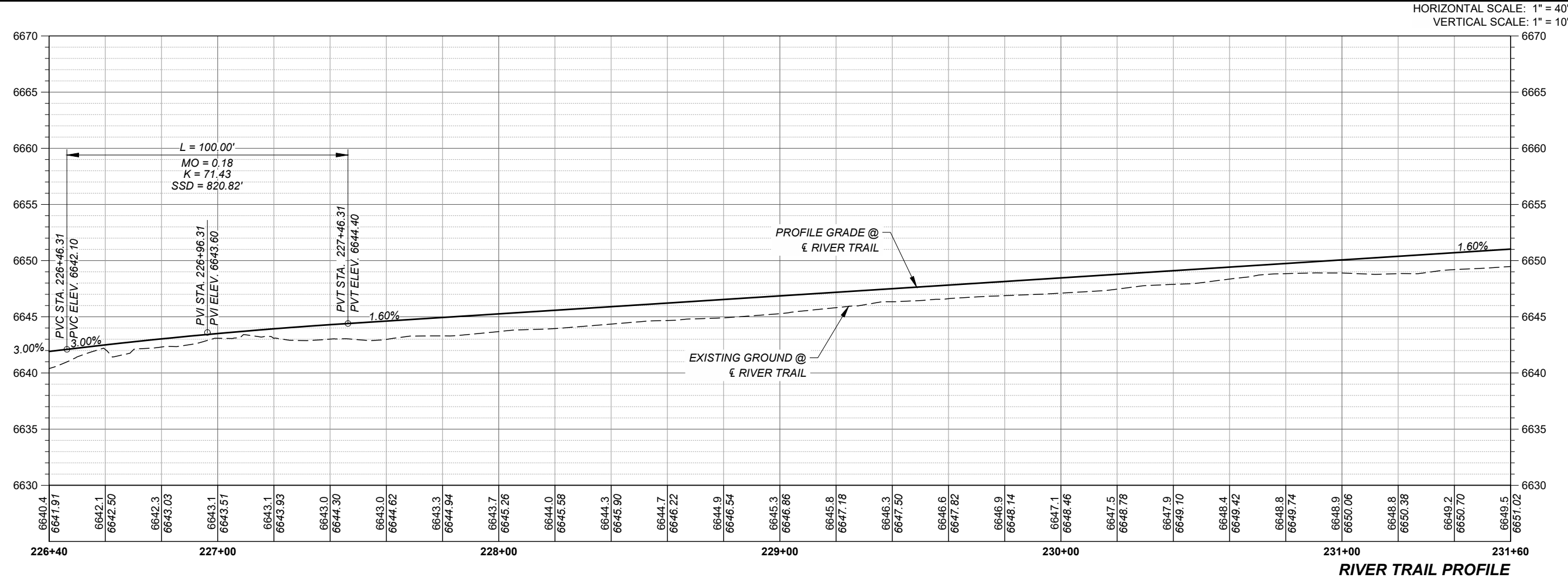
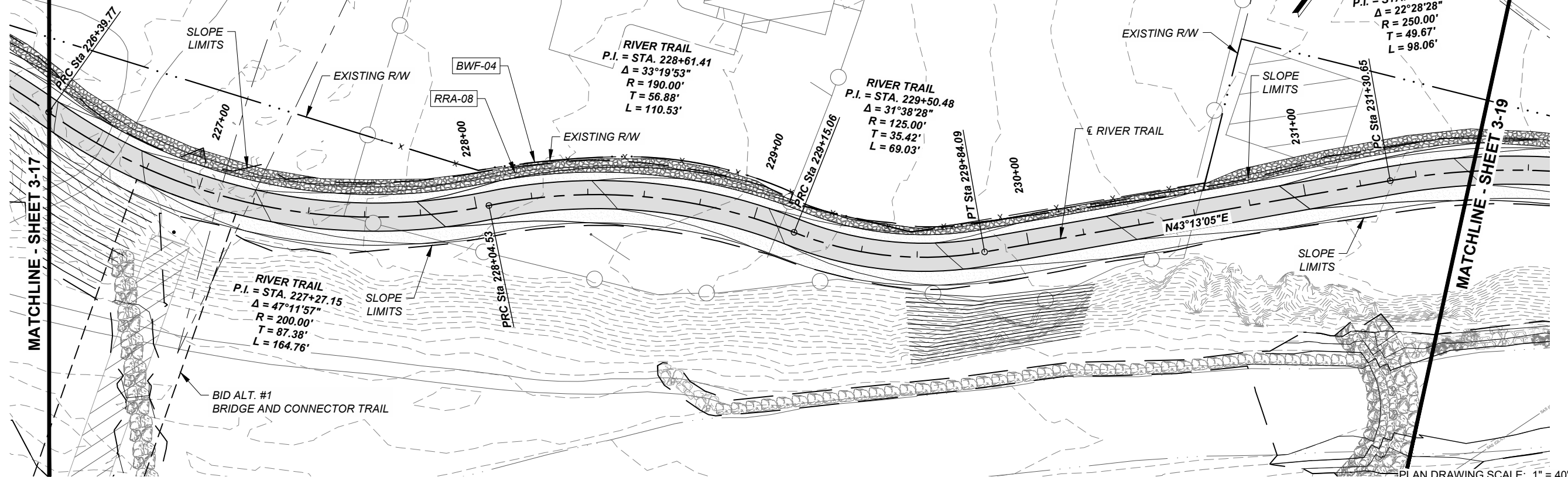
PROJECT NUMBER
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SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER
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Project Management Initials: Designer: CDS Checked: RKR Approved: MM
 ANS/B - 11 x 17
 Last saved by: CALVIN.SANCHEZ(2023-06-23) Last Plotted: 2023-08-24
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- NOTES:**
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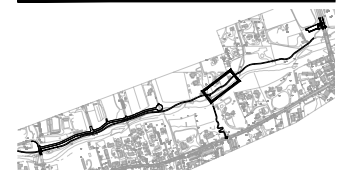
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ISSUE/REVISION

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KEY PLAN



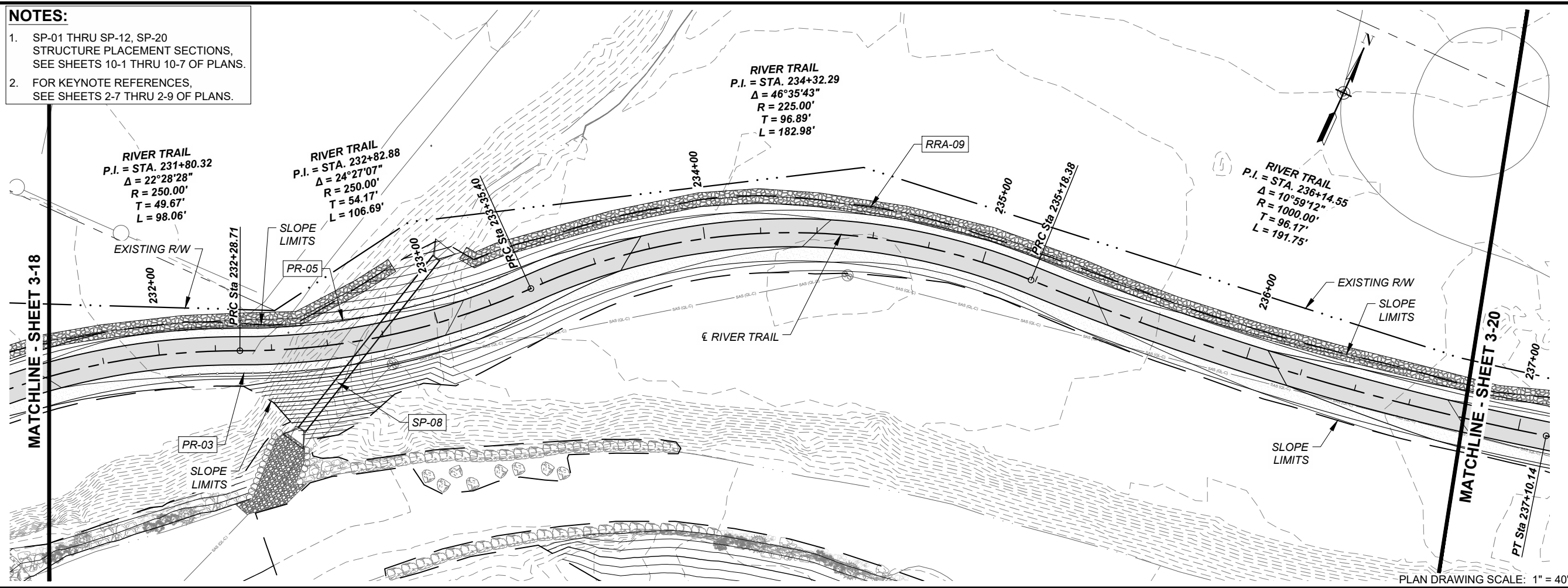
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SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER
 3 - 18

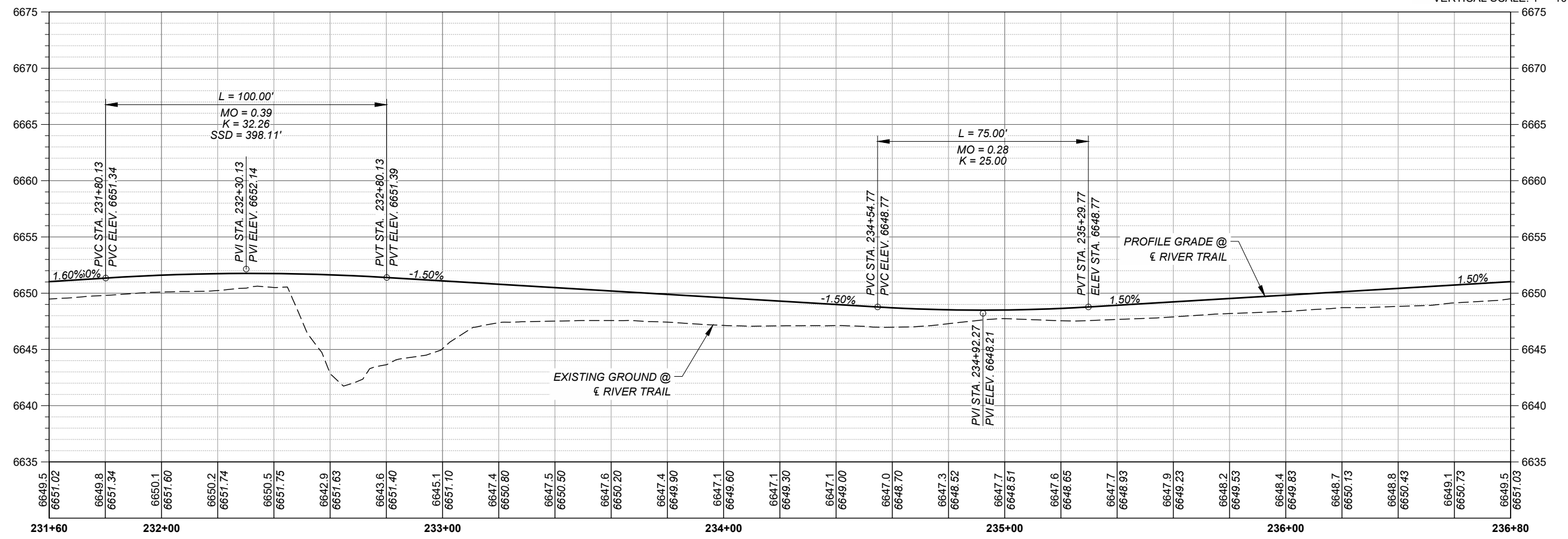
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- NOTES:**
- SP-01 THRU SP-12, SP-20
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 - FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



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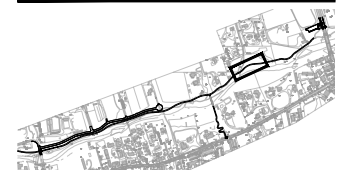
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ISSUE/REVISION

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KEY PLAN



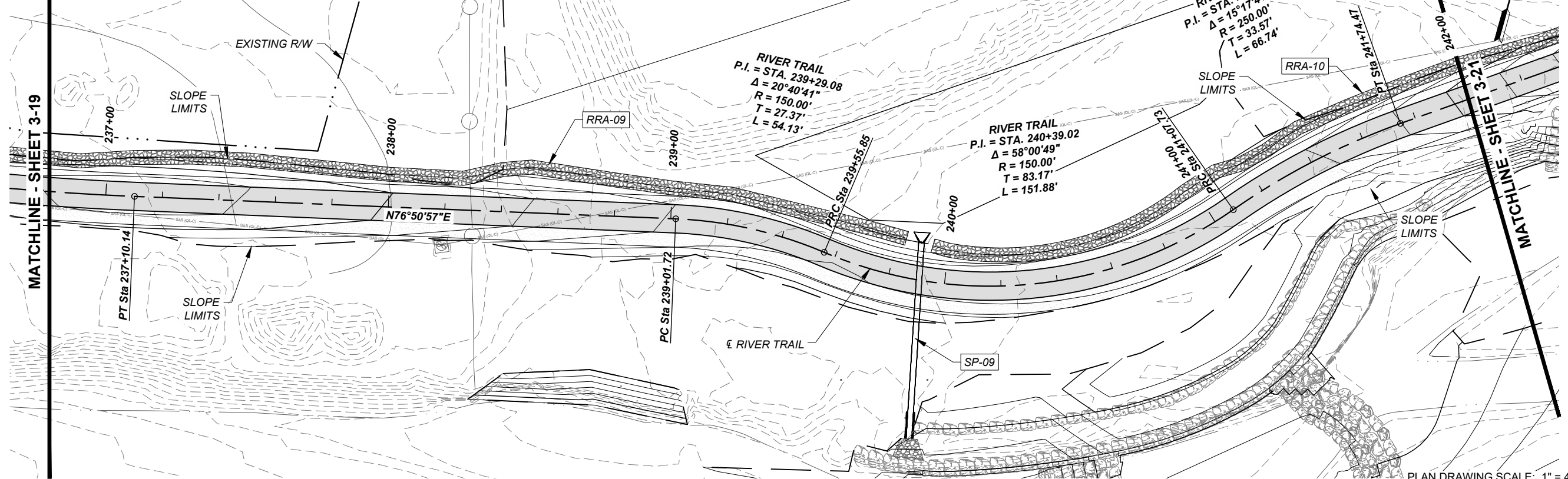
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SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

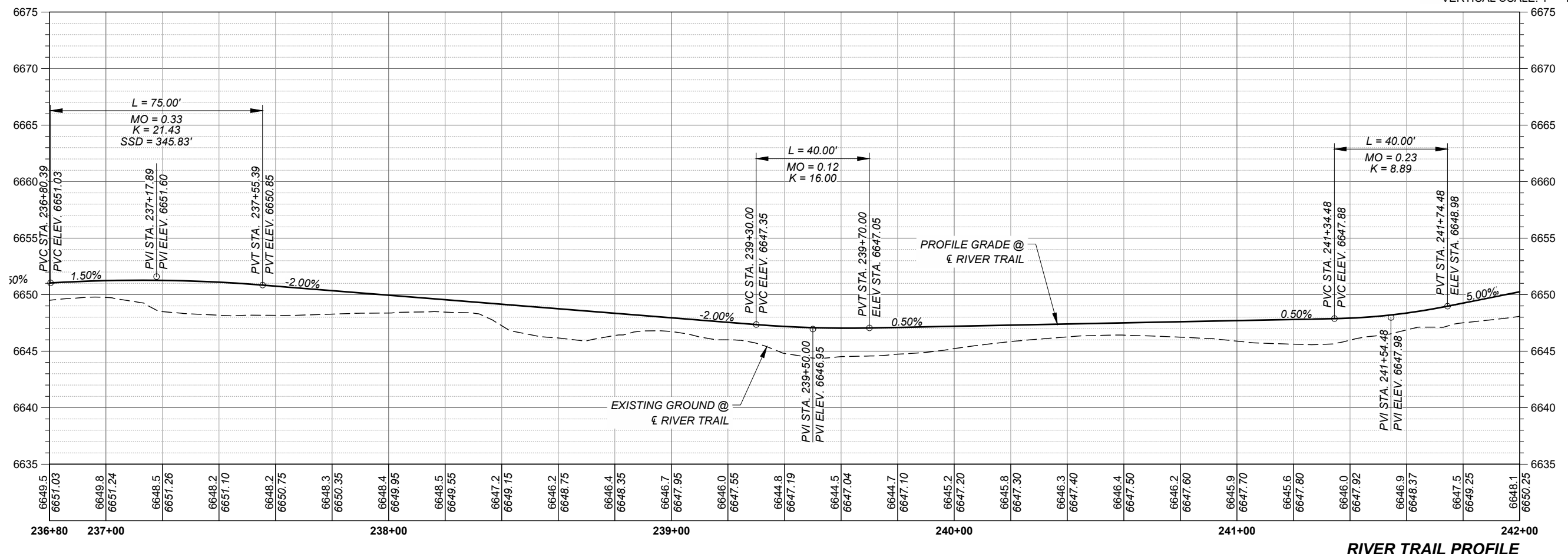
SHEET NUMBER
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ANSI B - 11 x 17
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- NOTES:**
- SP-01 THRU SP-12, SP-20
 STRUCTURE PLACEMENT SECTIONS,
 SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 - FOR KEYNOTE REFERENCES,
 SEE SHEETS 2-7 THRU 2-9 OF PLANS.



PLAN DRAWING SCALE: 1" = 40'
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



RIVER TRAIL PROFILE



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

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REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN



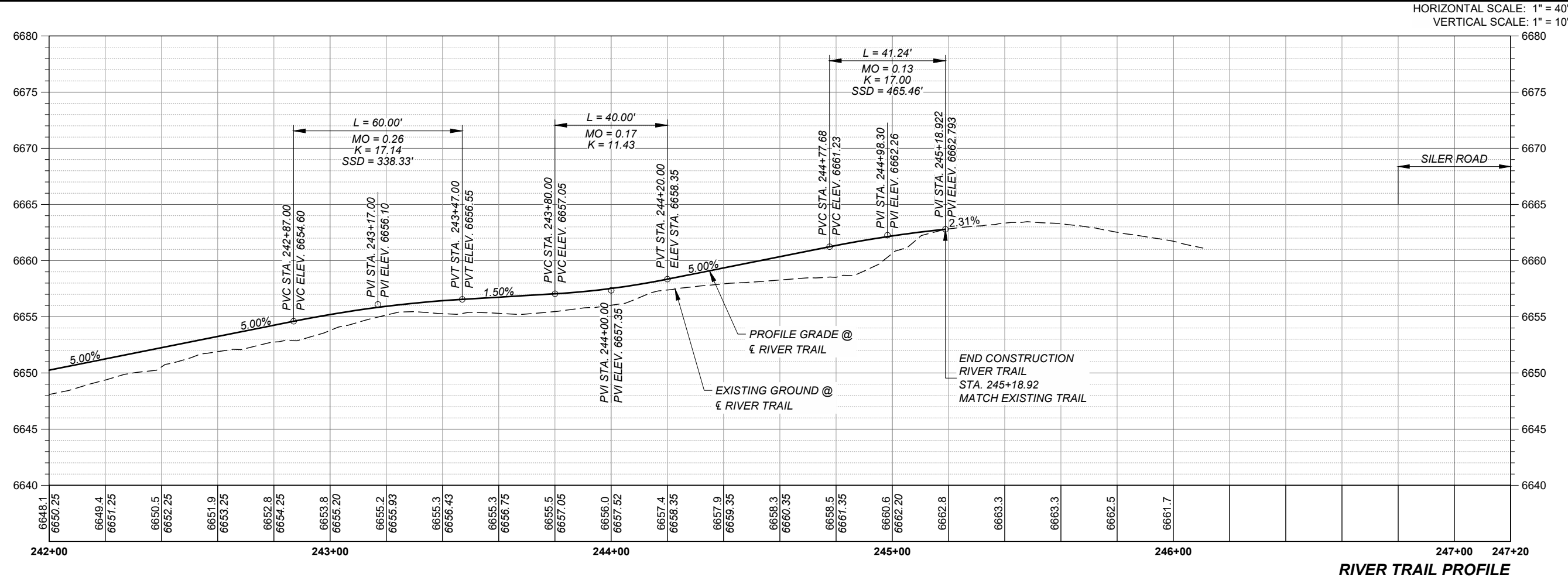
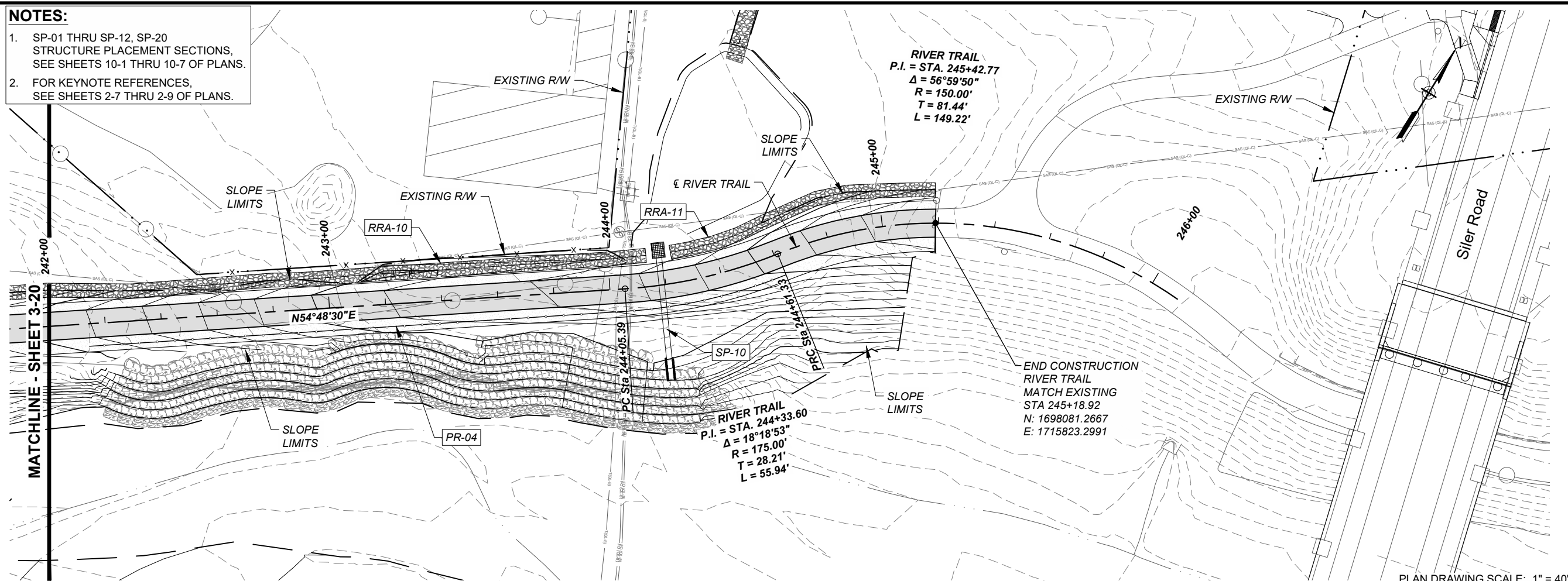
PROJECT NUMBER
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SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER
 3 - 20

ANSI B - 11 x 17
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RIVER TRAIL PROFILE



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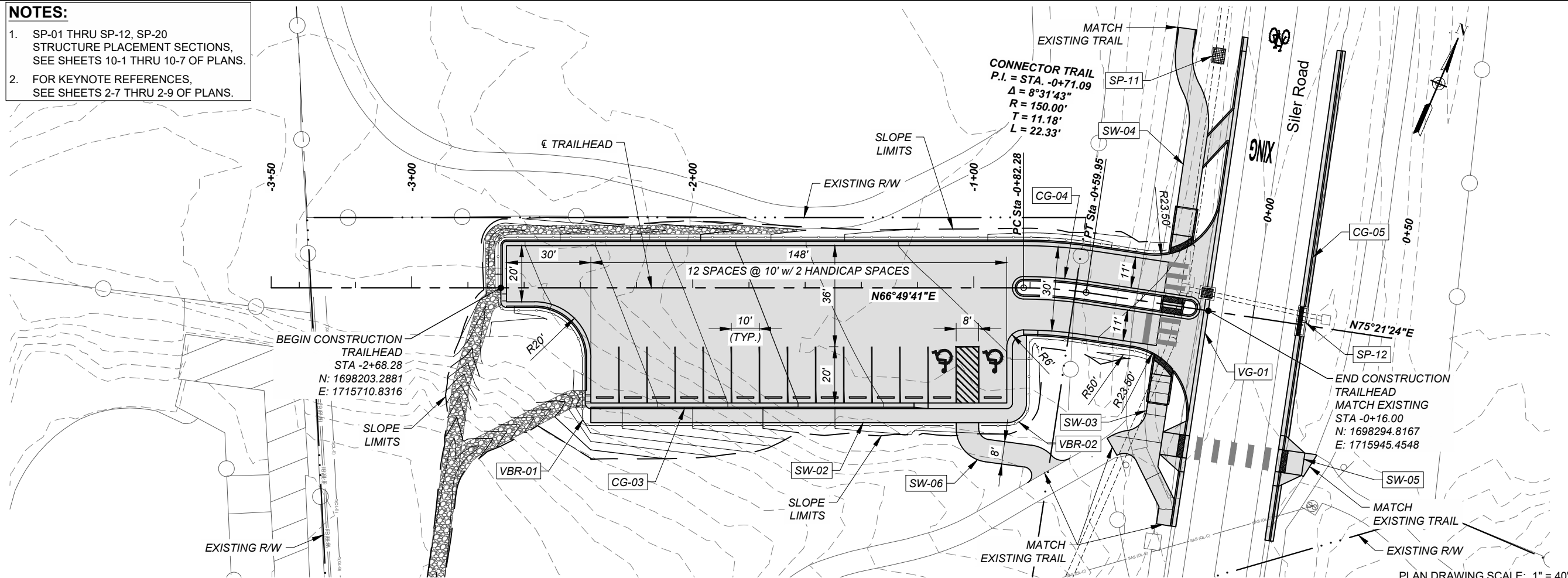


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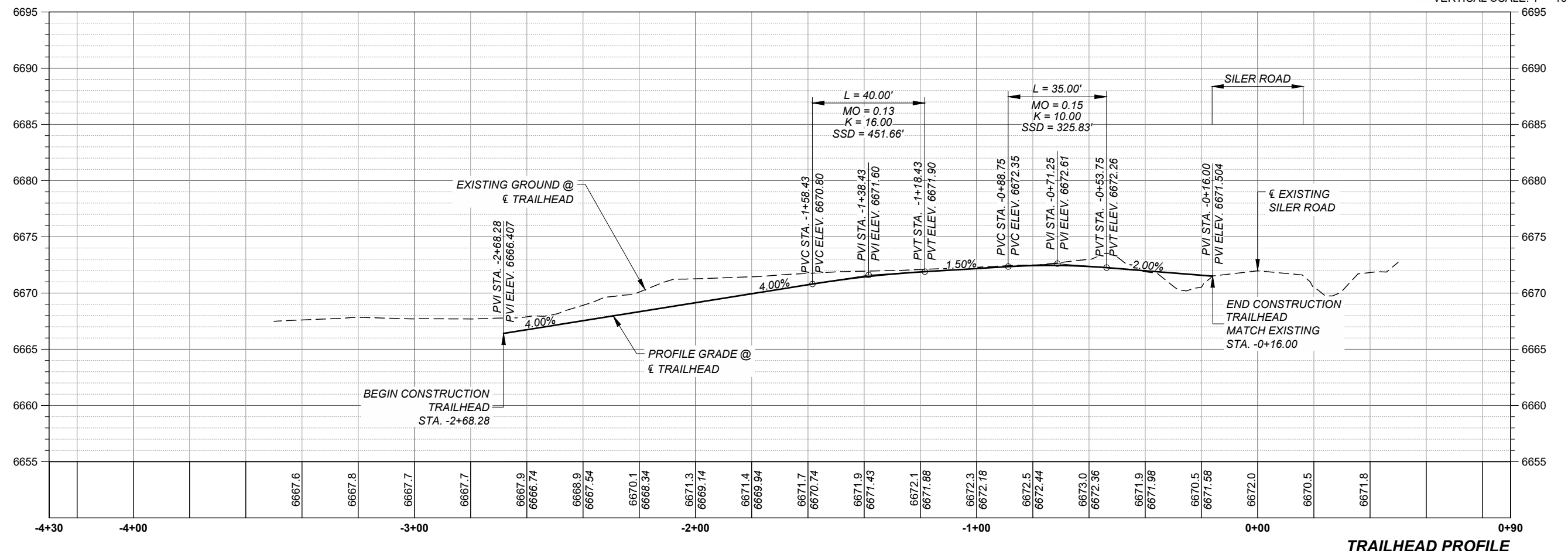
SHEET TITLE
 RIVER TRAIL
 PLAN AND PROFILE

SHEET NUMBER
 3 - 21

- NOTES:**
- SP-01 THRU SP-12, SP-20
STRUCTURE PLACEMENT SECTIONS,
SEE SHEETS 10-1 THRU 10-7 OF PLANS.
 - FOR KEYNOTE REFERENCES,
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PLAN DRAWING SCALE: 1" = 40'
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



TRAILHEAD PROFILE



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KEY PLAN

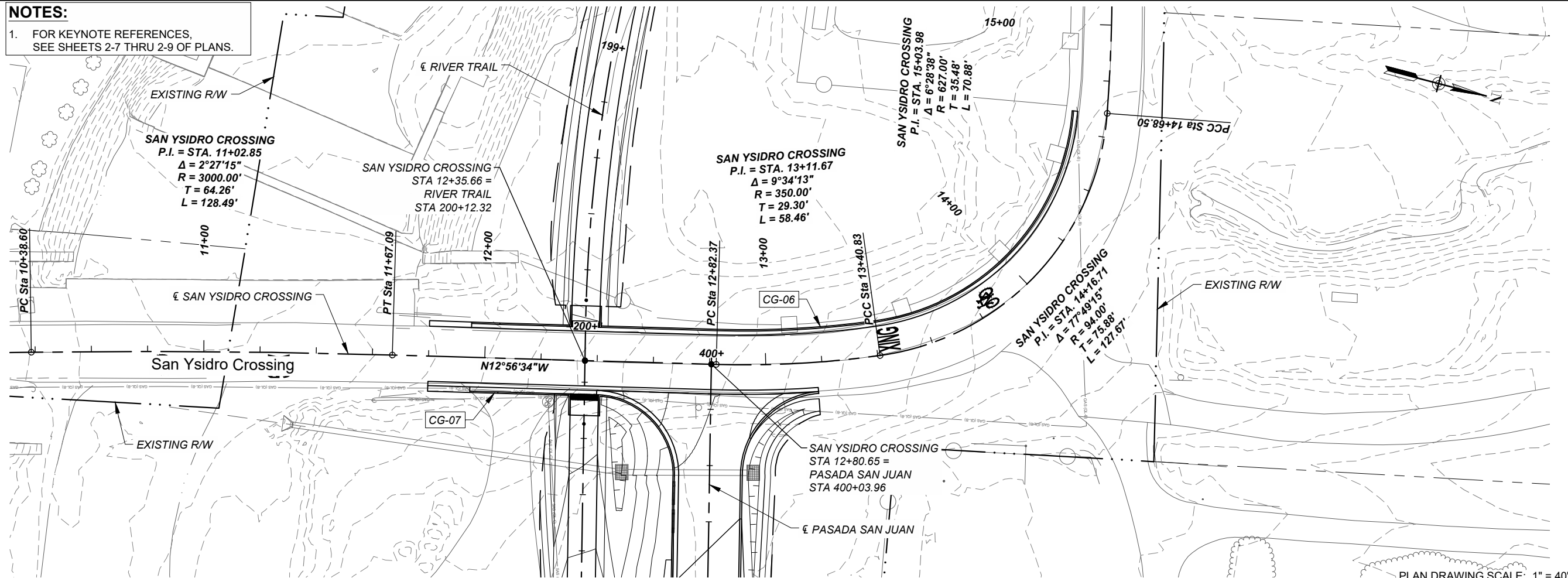


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357-7708

SHEET TITLE
TRAILHEAD
PLAN AND PROFILE

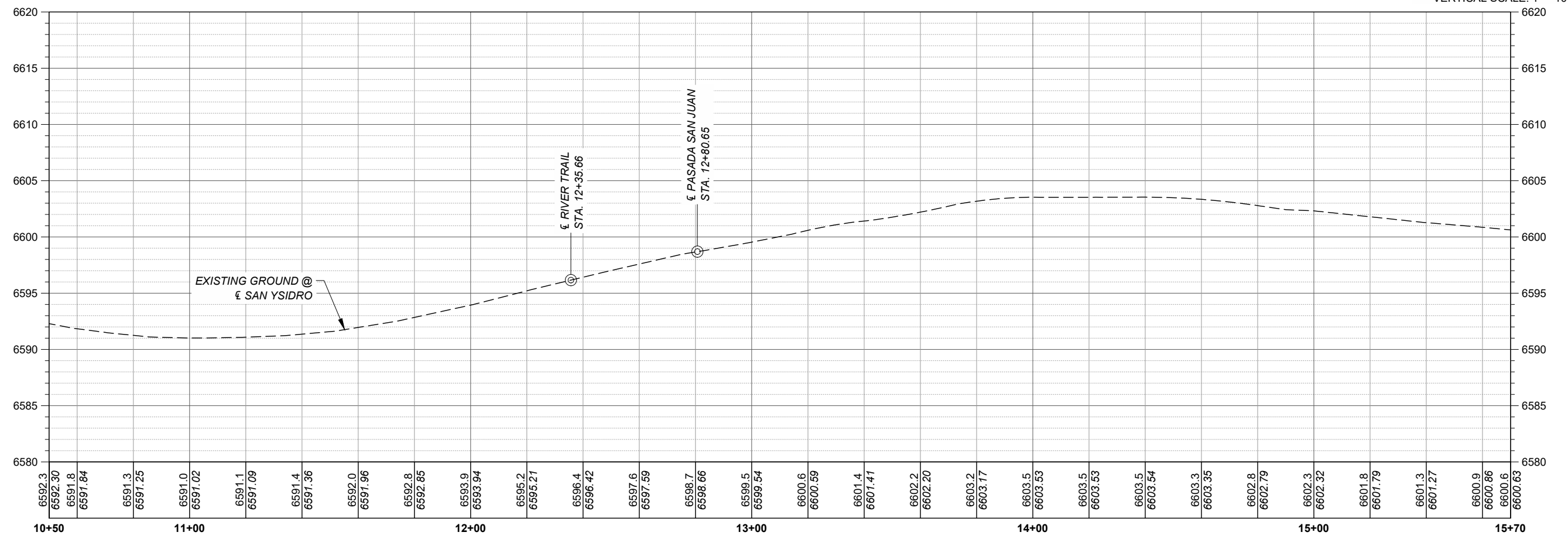
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3 - 22

NOTES:
 1. FOR KEYNOTE REFERENCES, SEE SHEETS 2-7 THRU 2-9 OF PLANS.



PLAN DRAWING SCALE: 1" = 40'

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



TRAILHEAD PROFILE



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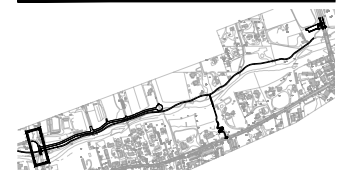
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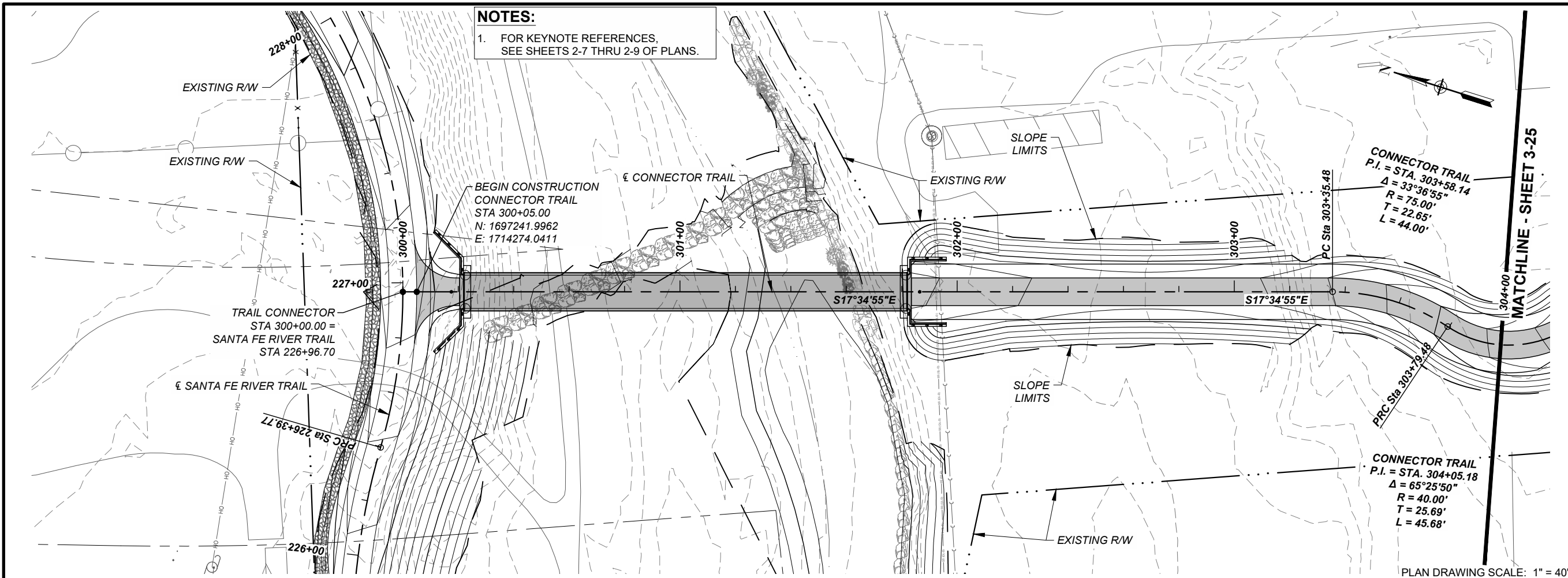
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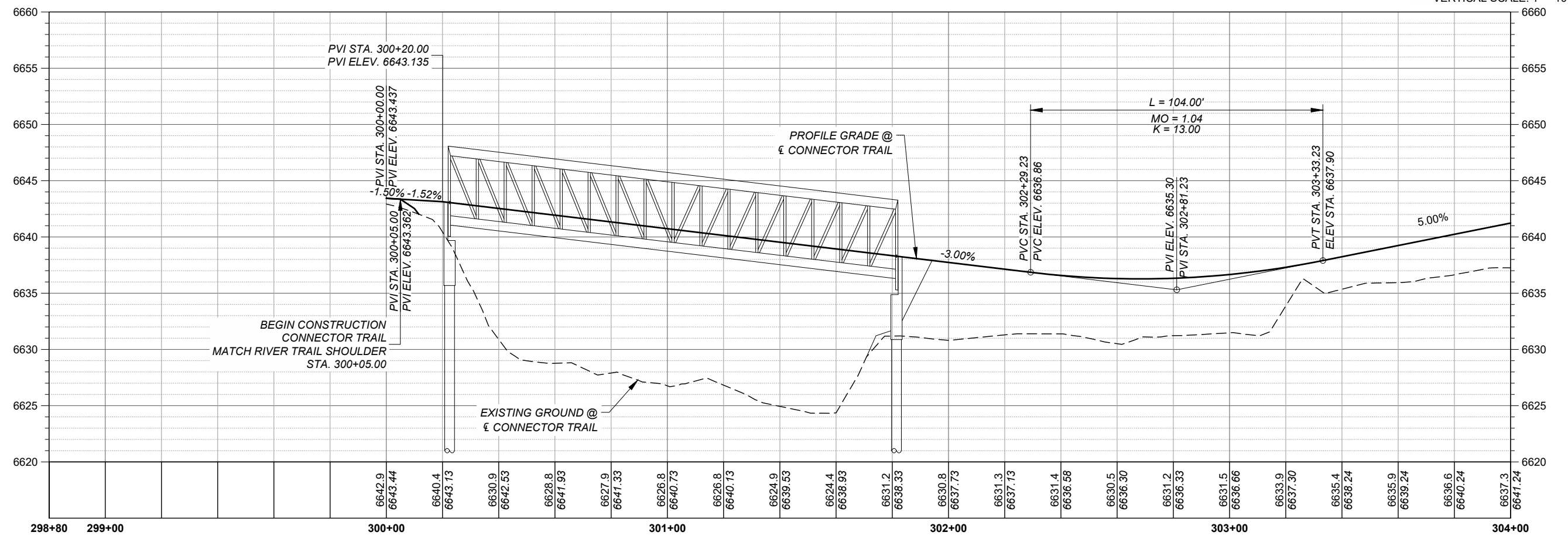
PROJECT NUMBER
 357-7708

SHEET TITLE
 SAN YSIDRO CROSSING
 PLAN AND PROFILE

SHEET NUMBER
 3 - 23



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



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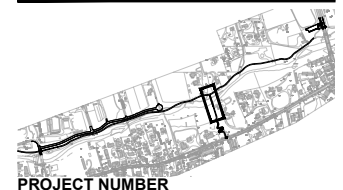
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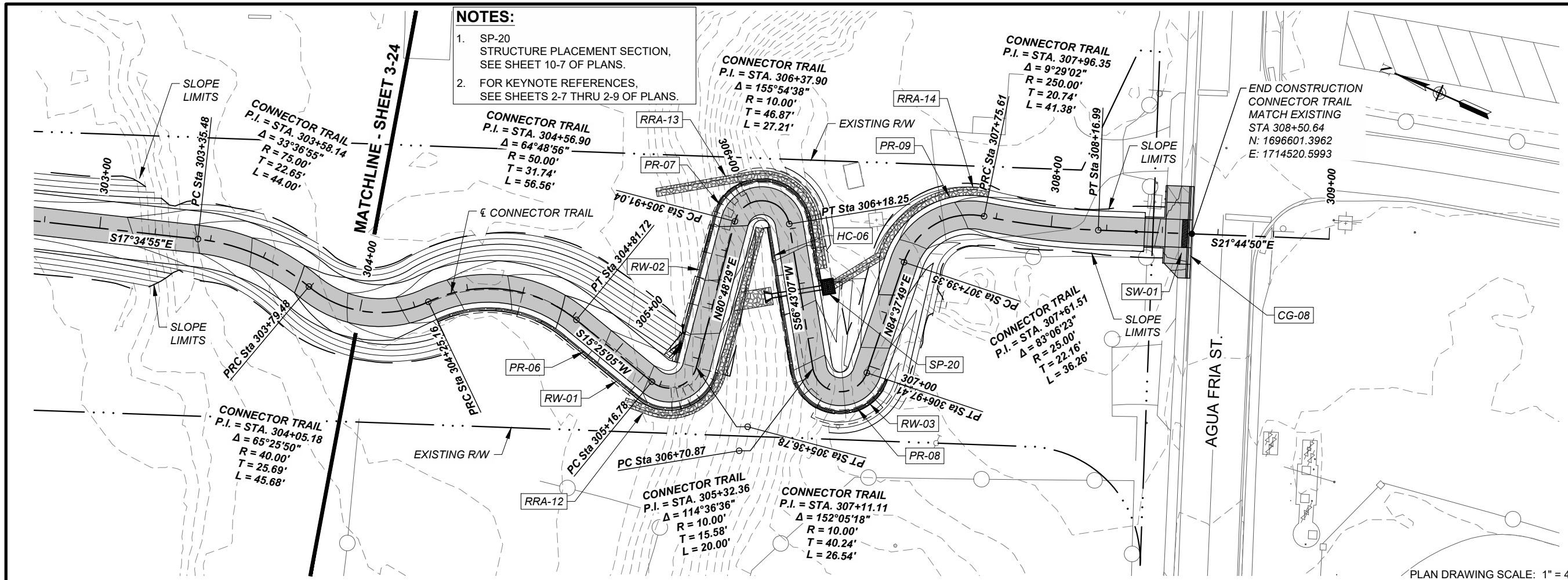
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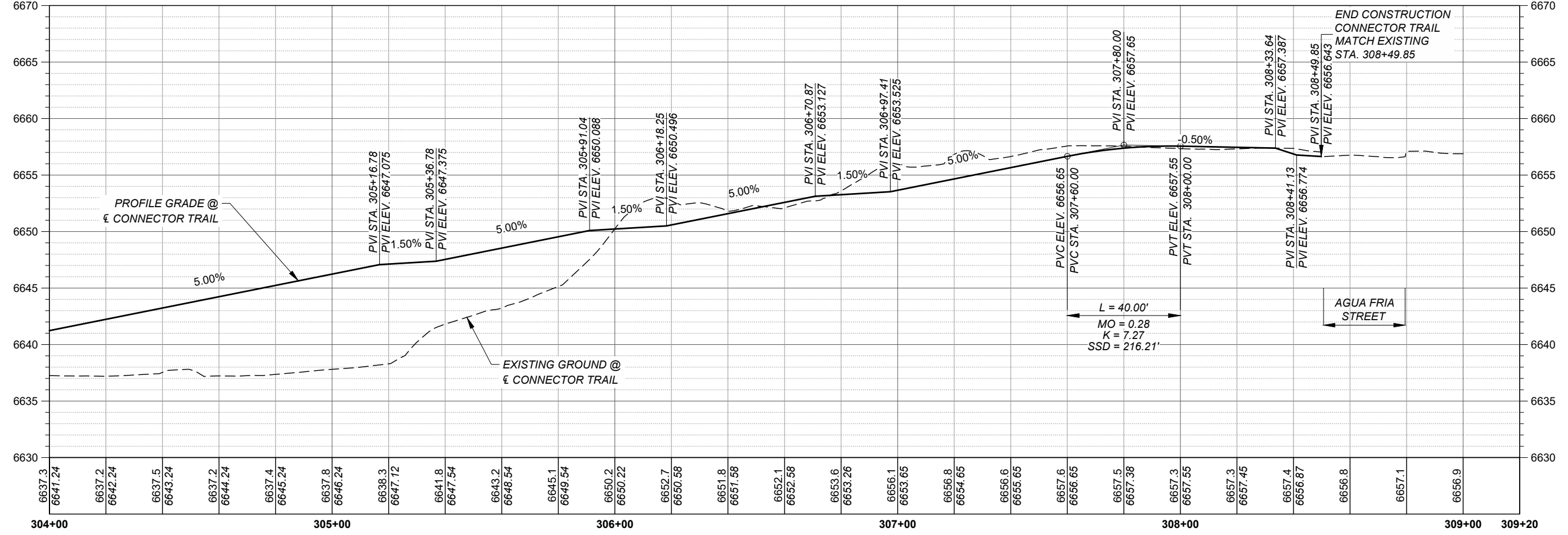
PROJECT NUMBER
357-7708

SHEET TITLE
BRIDGE AND CONNECTOR TRAIL
PLAN AND PROFILE

SHEET NUMBER
3 - 24



HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



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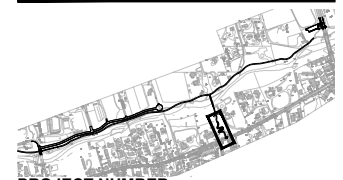
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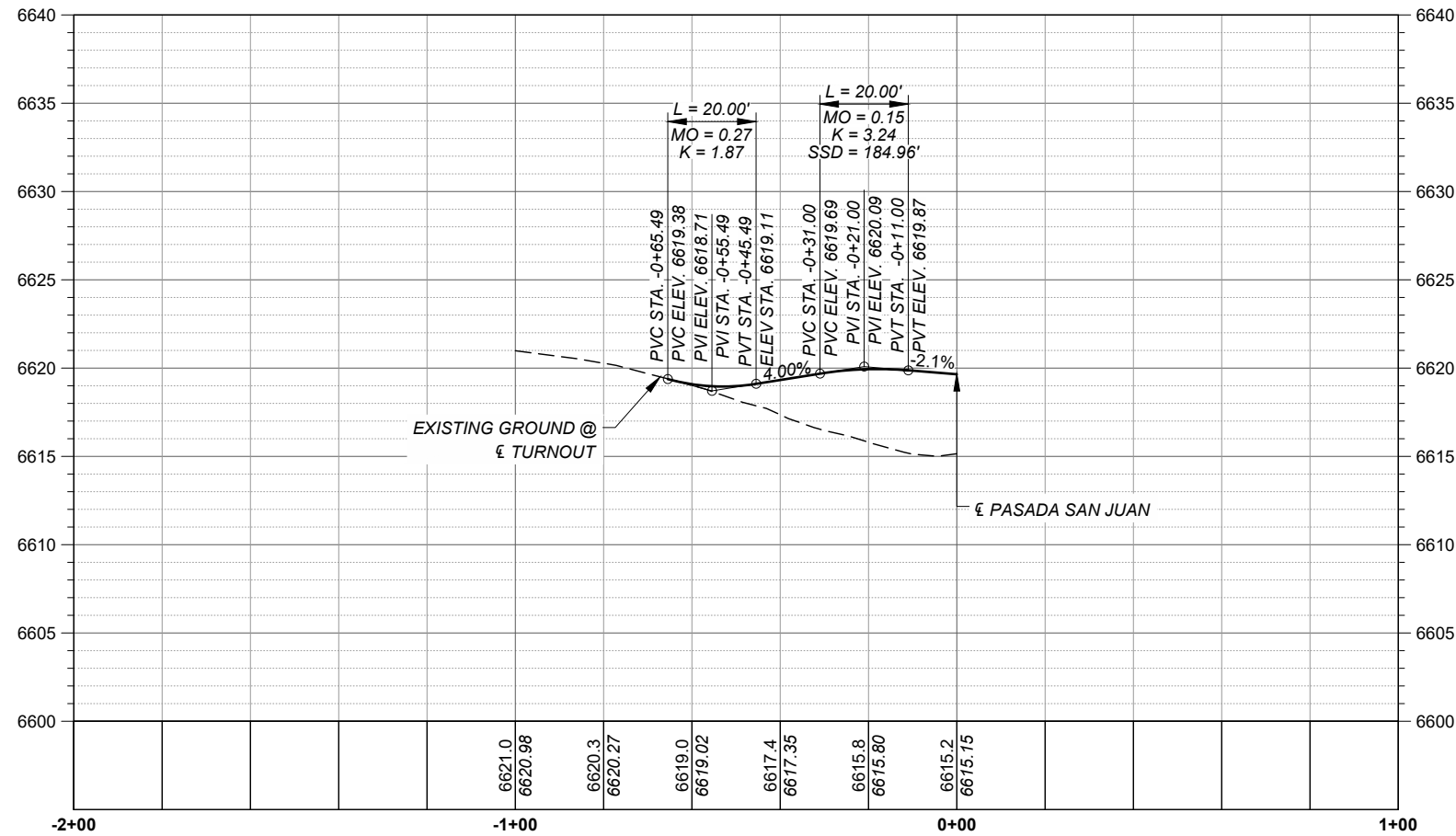
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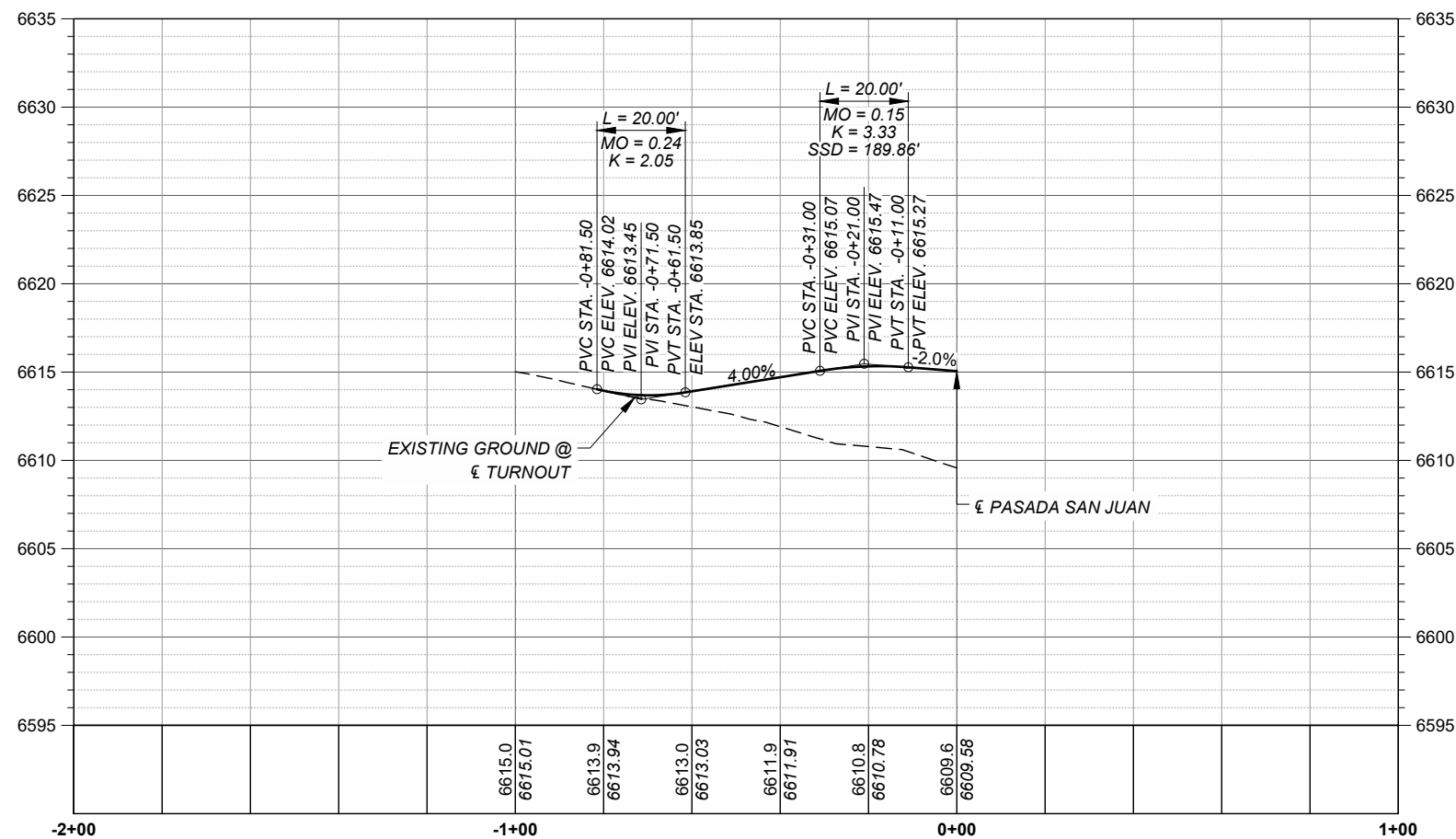
PROJECT NUMBER
 357-7708

SHEET TITLE
 BID ALT. #1
 BRIDGE AND CONNECTOR TRAIL
 PLAN AND PROFILE

SHEET NUMBER
 3 - 25



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



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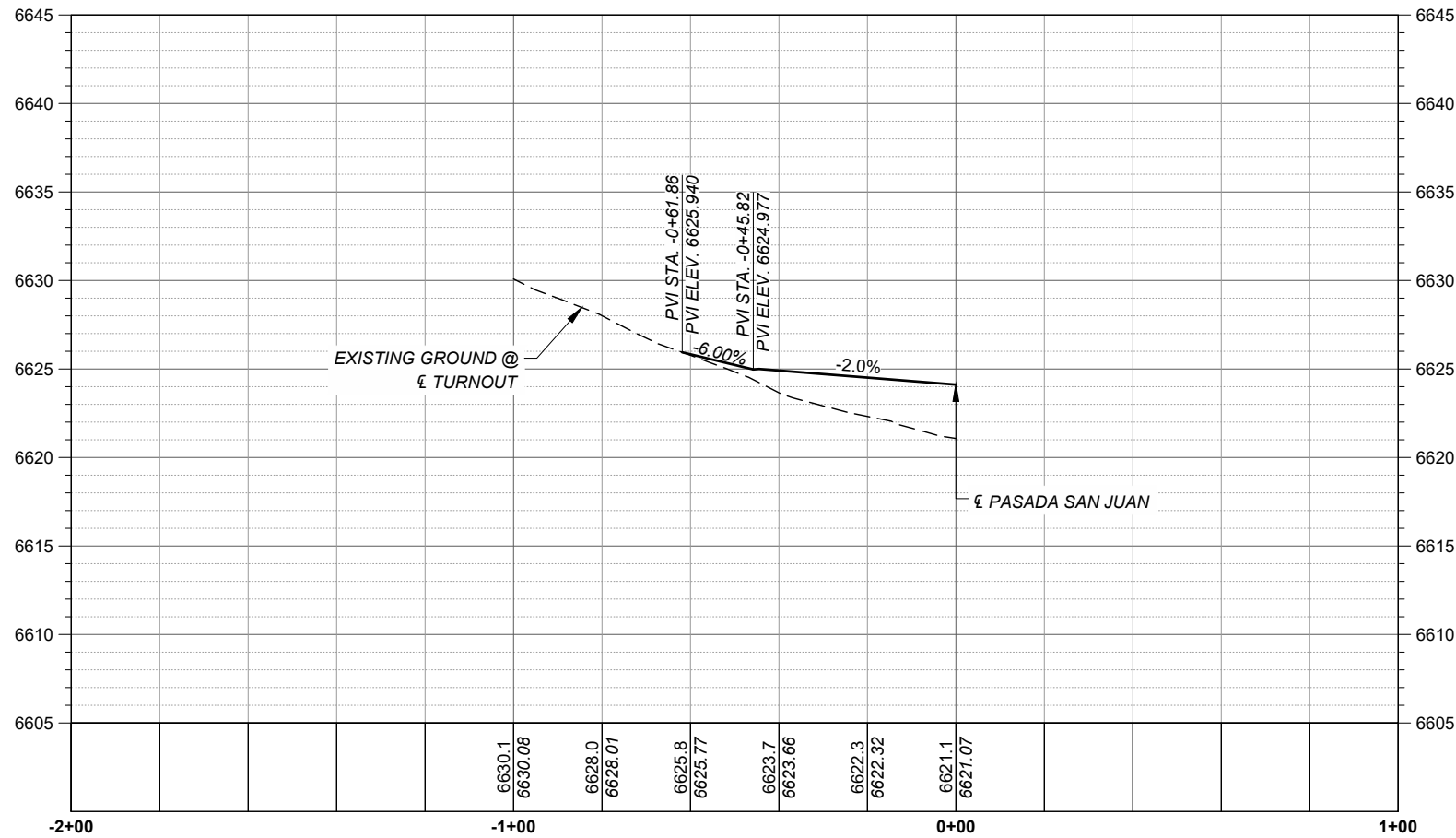
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
357-7708

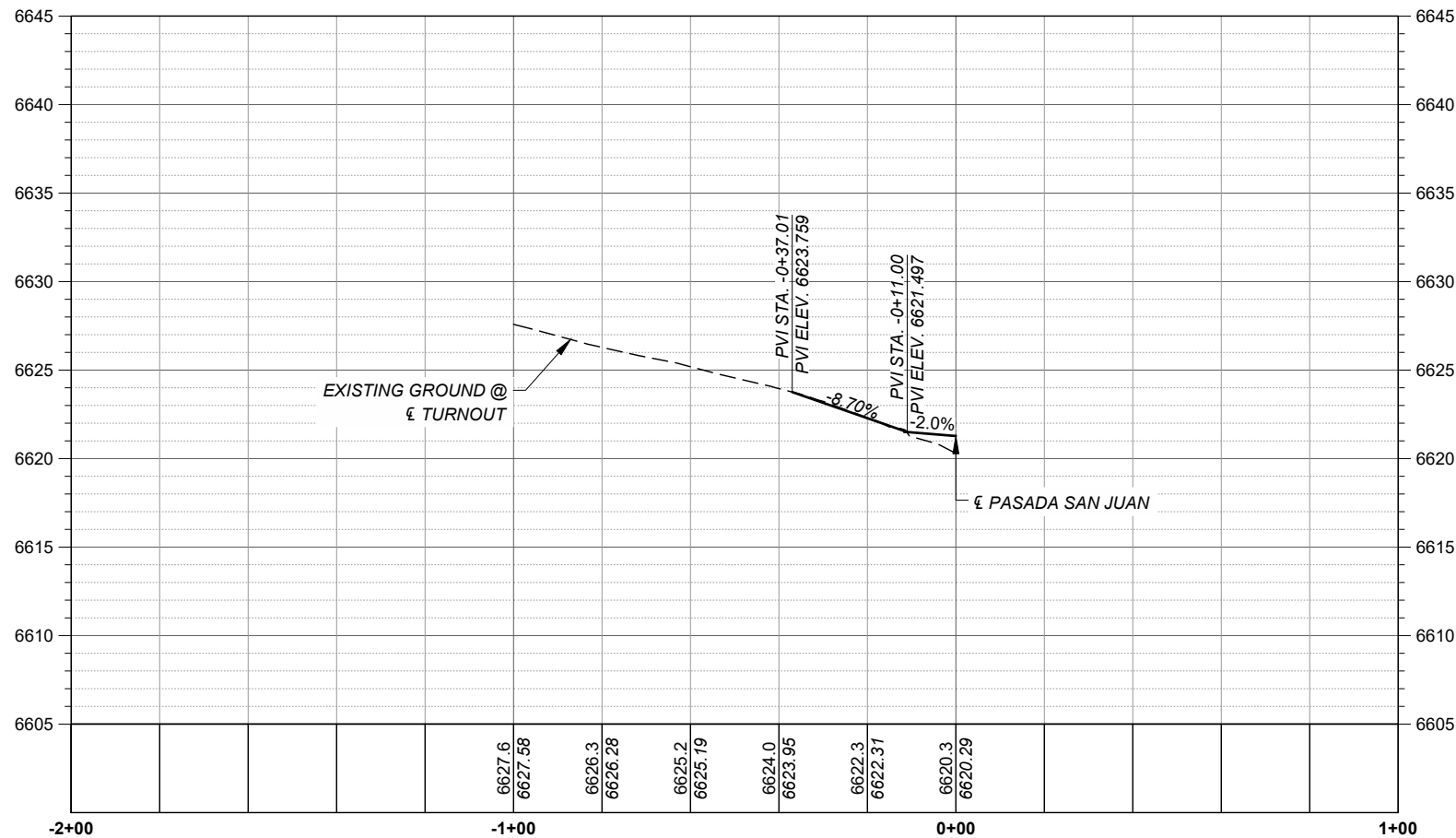
SHEET TITLE
TURNOUT PROFILES
408+31 LT.
410+89 LT.

SHEET NUMBER
4 - 1



TO-04
STA. 419+03 LT. (NORMAL)
BUILD 10' TURNOUT
15' RADIUS
BASE COURSE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



TO-03
STA. 413+86 LT. (NORMAL)
BUILD 10' TURNOUT
15' RADIUS
BASE COURSE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 10'



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I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
357-7708

SHEET TITLE
TURNOUT PROFILES
413+86 LT.
419+03 LT.

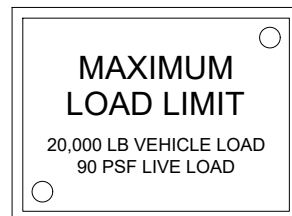
SHEET NUMBER
4 - 2

GENERAL NOTES

1. DESIGN PROCEDURE IS IN ACCORDANCE WITH "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES", 2009 (INCLUDING 2015 INTERIM REVISIONS) & "LRFD BRIDGE DESIGN SPECIFICATIONS", 2020 (9TH EDITION) BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).
2. MATERIALS (UNLESS NOTED OTHERWISE):
 - a. STRUCTURAL STEEL:
 - HSS SECTIONS: ASTM A847 WEATHERING STEEL
 - SHAPES & PLATES: ASTM A588 WEATHERING STEEL
 - ROLL FORM: A606 WEATHERING STEEL
 - b. STRUCTURAL BOLTS: ASTM F3125 GRADE A325 U.N.O. TYPE 3 (WEATHERING) WITH MATCHING DH3 A563 NUTS & F436 WASHERS.
 - c. FORM DECK GALVANIZED (G90 MIN.) GAUGE INDICATED IN SCHEDULE OF MEMBERS IS THE MINIMUM REQUIRED.
3. BRIDGE DESIGN IS BASED ON LOAD COMBINATIONS IN ACCORDANCE WITH AASHTO OF THE FOLLOWING LOADS:
 - a. BRIDGE DEAD LOAD.
 - b. UNIFORM PEDESTRIAN LIVE LOAD OF 90 PSF.
 - c. VEHICLE LIVE LOAD: 20,000 LB H 10.
 - d. WIND LOADING PER LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 1ST EDITION, 2015 SECTION 3.8.
 - DESIGN WIND SPEED: 110 MPH
 - SERVICE WIND SPEED: 76 MPH
 - EXPOSURE CATEGORY: C
 - e. SEISMIC LOADING PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
 - PGA = 0.2
 - S_s = 0.43
 - S₁ = 0.12
 - SITE CLASS C
4. BRIDGE TO BE BUILT TO THE REQUIREMENTS OF AWS D1.1.
5. ALL SHOP WELDING SHALL USE THE GAS METAL ARC WELDING OR FLUX CORED ARC WELDING PROCESS.
6. FINISH: ALL EXPOSED SURFACES OF WEATHERING STEEL TO BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACE PREPARATION SPECIFICATIONS NO. 7, SSPC-SP7 BRUSH-OFF BLAST CLEANING. EXPOSED SURFACES OF STEEL SHALL BE DEFINED AS THOSE SURFACES SEEN FROM THE DECK OR FROM THE OUTSIDE OF THE STRUCTURE. FLOOR BEAMS, BRACE DIAGONALS, STRINGERS AND INSIDE OF SIDE DAM WILL NOT BE BLAST CLEANED.
7. ALL BOLTED CONNECTIONS ARE CONSIDERED TO BE PRETENSIONED OR SLIP-CRITICAL CONNECTIONS. ALL BOLTS ARE TO BE PRETENSIONED PER THE REQUIREMENTS OF SECTION 8.2 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS BY RCSC.
8. ALL STRUCTURAL BOLTS, NUTS AND WASHERS SHALL BE FURNISHED IN THE AMOUNT OF 3% OR QUANTITY OF 10 (WHICHEVER IS GREATER) IN EXCESS OF THE NUMBER REQUIRED FOR EACH SIZE AND LENGTH.
9. IF BOLTS DO NOT SMOOTHLY ENGAGE UP TO SNUG-TIGHT, THERE MAY BE AN OBSTRUCTION WITHIN THE THREADS. THE BOLTS SHOULD BE REMOVED, THE THREADS ON THE BOLT AND NUT CLEANED AND RETAPPED IF NECESSARY TO ALLOW SMOOTH INSTALLATION OF THE BOLT (IF APPLICABLE).
10. MAINTENANCE NOTE: THE PRE-ENGINEERED BRIDGE MANUFACTURER RECOMMENDS NOT APPLYING DE-ICING OR DUST PROHIBITIVE CHEMICALS OR SALTS TO ANY PART OF THE BRIDGE STRUCTURE. IF DE-ICING OR DUST PROHIBITIVE CHEMICALS OR SALTS ARE APPLIED TO ANY PART OF THE BRIDGE STRUCTURE, THE PRE-ENGINEERED BRIDGE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY RESULTANT ACCELERATED CORROSION.
11. SHOP SPLICES:
 - a. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS.
 - b. ALL HORIZONTAL RAIL COMPONENT SPLICES TO BE LOCATED AT THE CENTERLINE OF VERTICALS, EACH END WELDED TO THE VERTICAL AND SEAL WELDED TOGETHER. SEAL WELDS TO BE GROUND SMOOTH AND VISUAL INSPECTION ONLY REQUIRED.
 - c. ALL STRINGER SPLICES TO BE LOCATED OVER THE CENTERLINE OF FLOOR BEAMS, EACH END WELDED TO THE FLOOR BEAM AND SEAL WELDED TOGETHER.

QUALITY ASSURANCE NOTES

1. ALL WELDS SHALL BE VISUALLY INSPECTED I.A.W. AWS SPECIFICATION BY AN AWS VERIFIED WELDING INSPECTOR (CWI).



DECK & CONCRETE NOTES

1. FORM DECK SHALL SPAN THE FULL TRANSVERSE WIDTH OF BRIDGE AND SHALL BE TIGHT FITTING WITH A GAP NO LARGER THAN 1/4" IN ANY DIRECTION. CLOSURE ANGLES WILL BE USED AT EACH END OF THE FORM DECK. FORM DECK WILL BE SHOP ATTACHED TO STRINGERS WITH #12-24 x 1-1/4" SELF-DRILLING FASTENERS WITH 1" O.D. WASHERS, 1" x 3/16" POWER ACTUATED FASTENERS, OR 5/8" PUDDLE WELDS. FORM DECK OVER SPLICE LOCATIONS WILL BE SHIPPED LOOSE AND FIELD ATTACHED AS SPECIFIED FOR SHOP ATTACHMENTS.
2. THE PRE-ENGINEERED BRIDGE MANUFACTURER IS RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE CONCRETE DECK. ALL ISSUES RELATED TO MATERIAL SUPPLY, TESTING AND INSTALLATION IS OUTSIDE OF THE PRE-ENGINEERED BRIDGE MANUFACTURER'S RESPONSIBILITY.
3. MINIMUM MATERIAL REQUIREMENTS:
 - a. CLASS A SUBSTRUCTURE CONCRETE (NORMAL WEIGHT):
 - f_c = 3,000 PSI
 - AIR CONTENT OF 6.5% ± 1 %
 - UNIT WEIGHT OF 145 PCF MAX
 - b. CLASS AA CONCRETE DECK (LIGHTWEIGHT):
 - f_c = 4,000 PSI
 - AIR CONTENT OF 6.5% ± 1 %
 - UNIT WEIGHT OF 120 PCF MAX
 - c. REINFORCING STEEL:
 - ASTM A615 OR AASHTO M31 GRADE 60
4. DECK REINFORCEMENT SHALL BE GALVANIZED REINFORCING GRADE 60 OR BETTER.
5. THE CONTRACTOR MUST EXERCISE CARE TO CONTROL TRAFFIC AND STORAGE OF MATERIALS ON THE FORM DECK BEFORE CONCRETE IS PLACED.
9. DECK CONCRETE CONTRACTION JOINTS SHALL BE PLACED AT 20 FEET ON CENTER.

BID ALT. #1 - BRIDGE ESTIMATED QUANTITIES

ITEM No.	DESCRIPTION	UNIT	SUPER STRUCTURE	SUBSTRUCTURE		QUANTITY
				ABUT. No. 1	ABUT. No. 2	
210002	MAJOR STRUCTURE EXCAVATION	C.Y.		107	15	122
210003	MAJOR STRUCTURE BACKFILL	C.Y.		111	71	182
411000	HOT POURED CRACK SEALING	LB		10	10	20
502042	DRILLED SHAFT FOUNDATION 42" DIAMETER	L.F.		90	90	180
502600	OBSTRUCTION REMOVAL	L.F.		4	4	8
505000	CROSSHOLE SONIC LOGGING CONSULTANT TESTING	EACH		2	2	4
505011	LOW STRAIN INTEGRITY CONSULTANT TESTING	EACH		1	1	2
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.		27	27	54
511030	STRUCTURAL CONCRETE, CLASS AA	C.Y.	33			33
540060	REINFORCING BARS GRADE 60	LB		11,800	11,800	23,600
540061	GALVANIZED BARS GRADE 60	LB	6,400			6,400
541405	PREFAB PEDESTRIAN BRIDGE	LS	1			LS
543100	METAL RAILING, PEDESTRIAN	L.F.		40.5	40.5	81



PROJECT

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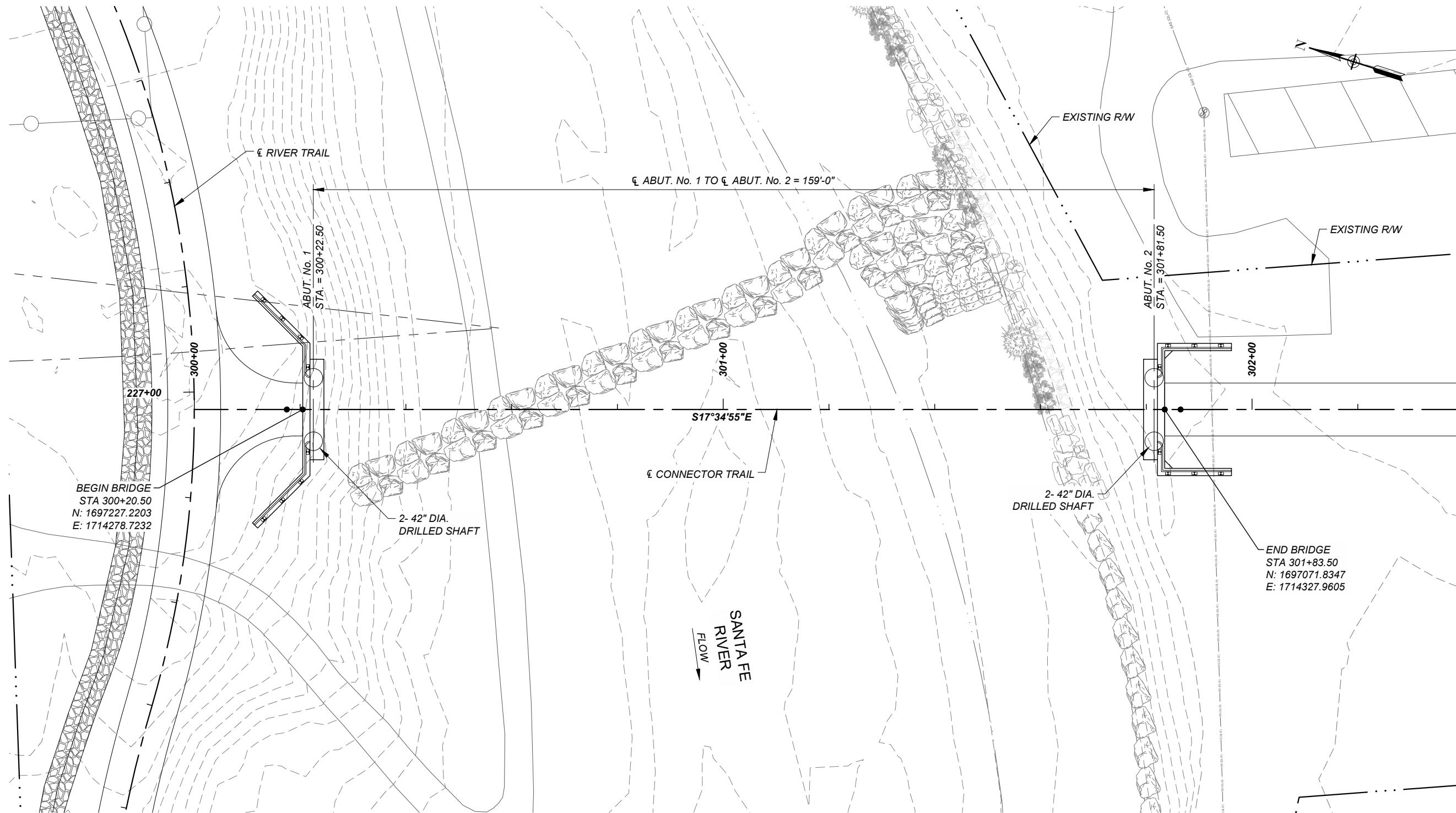
357-7708

SHEET TITLE

BID ALT. #1
PEDESTRIAN BRIDGE
GENERAL NOTES

SHEET NUMBER

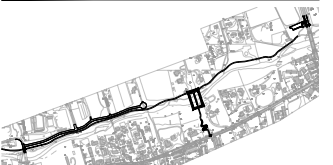
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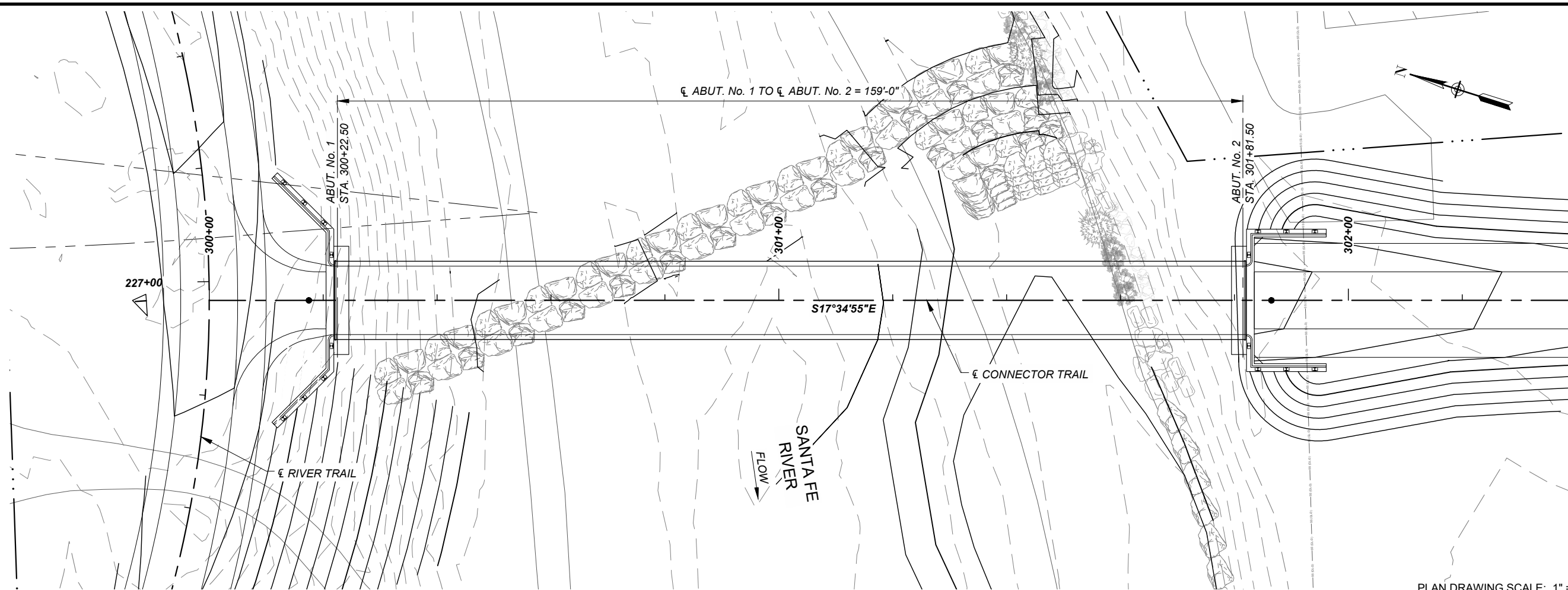
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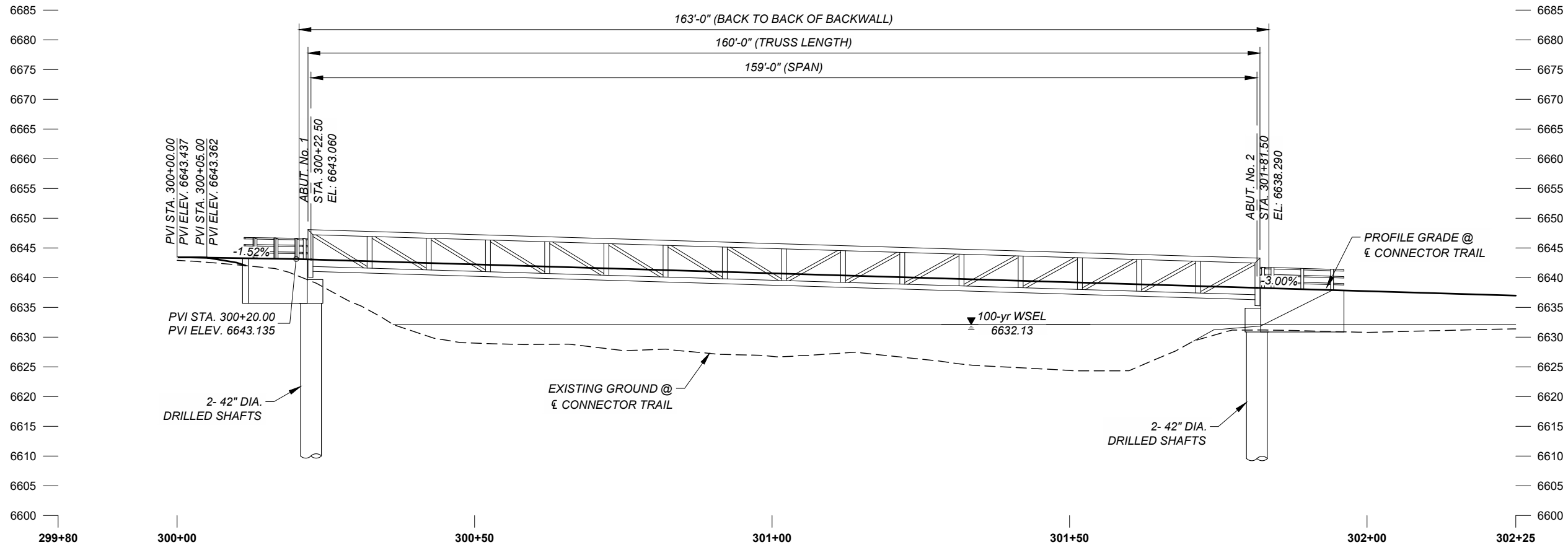
KEY PLAN



PROJECT NUMBER
 357-7708
SHEET TITLE
 BID ALT. #1
 PEDESTRIAN BRIDGE
 STRUCTURE LOCATION PLAN
SHEET NUMBER
 5 - 2



PLAN DRAWING SCALE: 1" = 20'
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 20'



CONNECTOR TRAIL BRIDGE PROFILE



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
 (SECTION B)

CLIENT
SANTA FE COUNTY
 100 Catron St.
 Santa Fe, New Mexico 87501
 T 505.986.6200
 www.santafecountynm.gov

ENGINEERING CONSULTANT
AECOM
 150 Washington Avenue, Suite 201
 Santa Fe, New Mexico 87501
 T 505.855.7500
 www.aecom.com

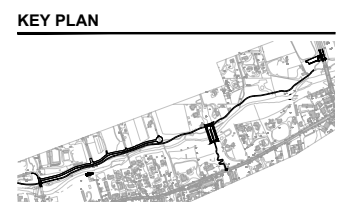
SUBCONSULTANTS
 GEOTECHNICAL
TERRACON
 T 505.797.4287
 LANDSCAPE ARCHITECTURE
DESIGN OFFICE
 T 505.983.1415
 TOPOGRAPHIC MAPPING
COOPER AERIAL SURVEYS CO.
 T 602.678.5111
 SUBSURFACE UTILITY ENGINEERING
COLLIERS ENGINEERING & DESIGN
 T 505.228.3154

REGISTRATION

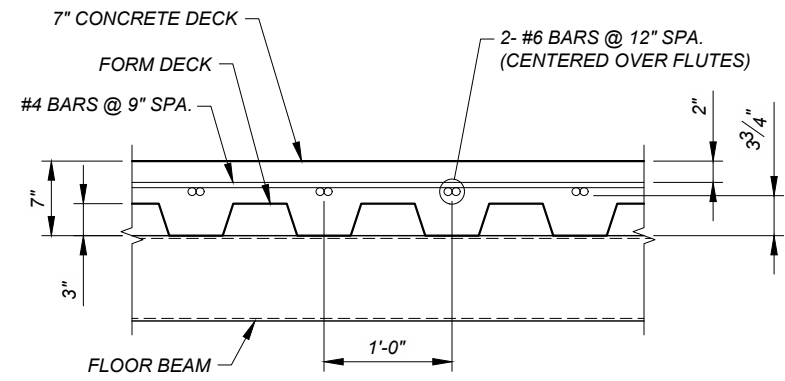


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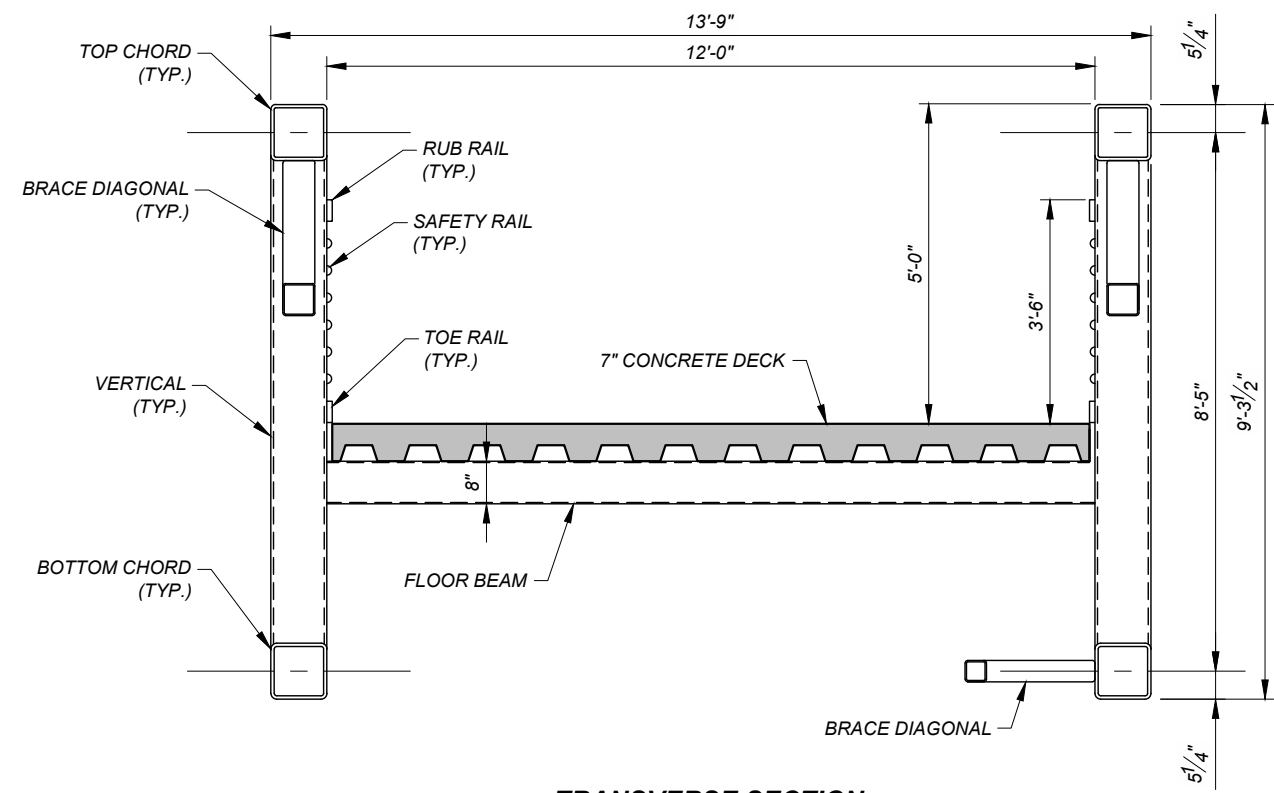
I/R	DATE	DESCRIPTION



PROJECT NUMBER
 357-7708
SHEET TITLE
 BID ALT. #1
 PEDESTRIAN BRIDGE
 PLAN AND PROFILE
SHEET NUMBER
 5 - 3



CONCRETE DECK DETAIL



TRANSVERSE SECTION
 160 FT. PEDESTRIAN SPAN



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REGISTRATION

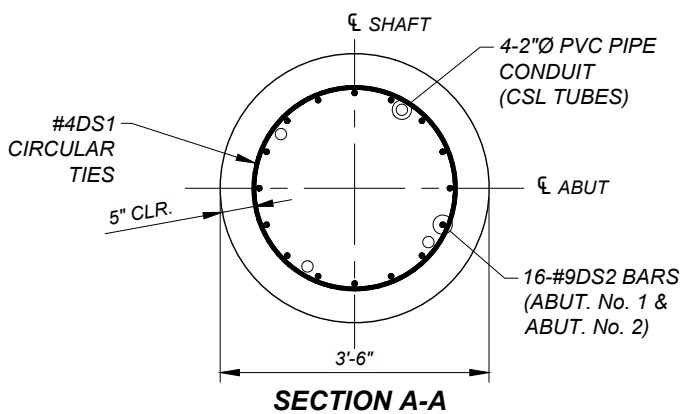
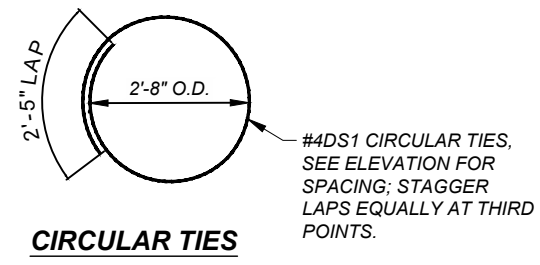
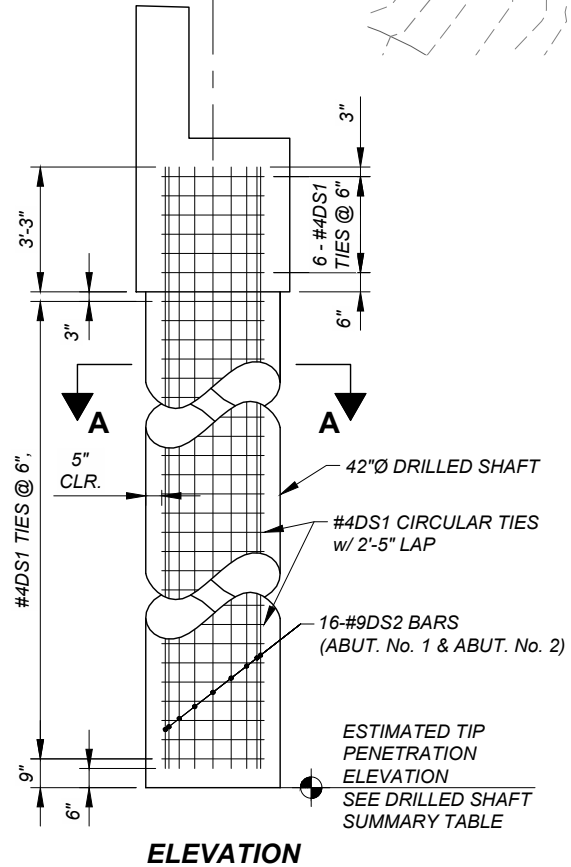
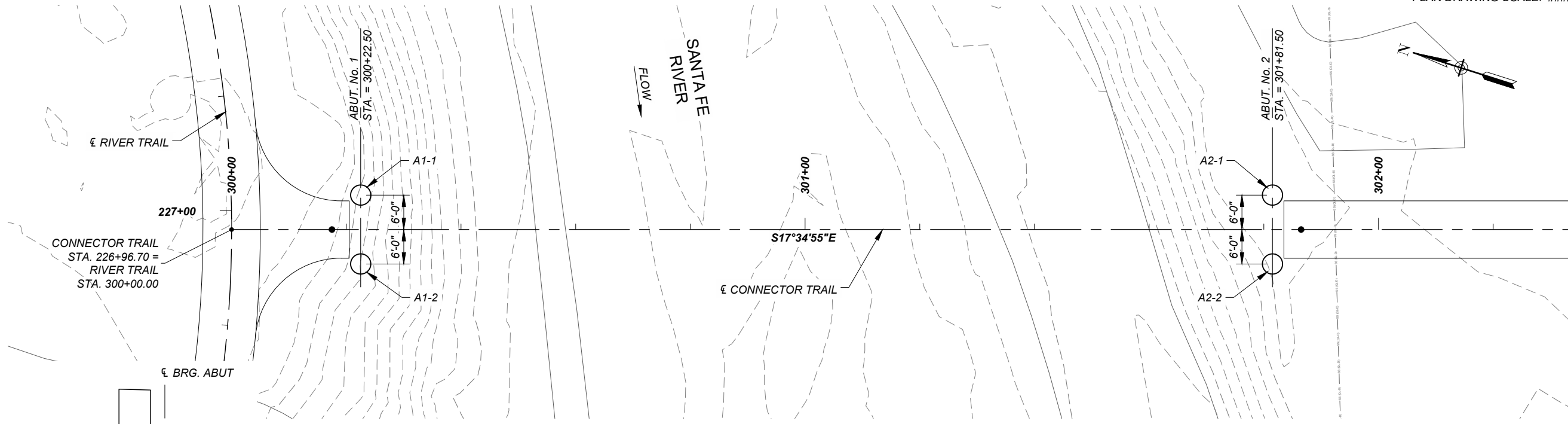


ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708
SHEET TITLE
 BID ALT. #1
 PEDESTRIAN BRIDGE
 TRANSVERSE SECTION
SHEET NUMBER
 5 - 4



FOUNDATION NOTES

1. ANY CONSTRUCTION JOINT NOT SHOWN IN THE PLANS WILL REQUIRE ACCEPTANCE OF THE BRIDGE FOUNDATION ENGINEER PRIOR TO CONSTRUCTION.
2. ALL CROSS HOLE SONIC LOGGING (CSL) ACCESS TUBES SHALL BE TWO (2) INCH INTERNAL DIAMETER SCHEDULE 40 PVC, INSTALLED PER SPECIFICATION SECTION 505.
3. THE GEOTECHNICAL INFORMATION SHOWN ON THIS SHEET WAS OBTAINED FROM THE GEOTECHNICAL REPORT No. 66215115 BY TERRACON CONSULTANTS, INC. DATED 5/03/2023.
4. SANTA FE COUNTY IS NOT RESPONSIBLE FOR ANY INTERPRETATIONS OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THE FOUNDATION DATA SHOWN IN THE GEOTECHNICAL REPORT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUPPORT FOR THE REINFORCEMENT CAGES DURING FABRICATION, ERECTION, AND PLACEMENT OF CONCRETE. PLANS SHOWING THE REINFORCEMENT CAGE SUPPORT, METHOD OF ERECTION, AND NON-CORROSIVE CENTERING DEVICES SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL 30 DAYS PRIOR TO CONSTRUCTION.
6. NO SHAFT SHALL BE PLACED NEXT TO AN ADJACENT SHAFT WITH LESS THAN 4' DIAMETERS SPACING BEFORE 48 HOURS OR BEFORE THE PREVIOUSLY PLACED SHAFT TEST CYLINDER BREAKS AT 2,000 PSI.

DRILLED SHAFT SUMMARY TABLE

SHAFT	SHAFT DIAMETER	FACTORED LOAD PER SHAFT	FACTORED RESISTANCE PER SHAFT	ESTIMATED PENETRATION ELEVATION	TOP OF SHAFT ELEVATION	ESTIMATED SHAFT LENGTH	SHAFT VERTICAL BARS	SHAFT VERTICAL BARS LENGTH	SHAFT TRANSVERSE BARS	SHAFT TIES LENGTH	SUBTOTAL BAR WEIGHT
	INCHES	KIPS	KIPS	FEET	FEET	FEET	No.-SIZE	FEET	No.-SIZE	FEET	LBS
A1-1	42	294	316	6590.683	6635.683	45	16- #9 BARS	47'-9"	95- #4 BARS	10'-5"	3,265
A1-2	42	294	316	6590.683	6635.683	45	16- #9 BARS	47'-9"	95- #4 BARS	10'-5"	3,265
A2-1	42	294	316	6585.876	6630.876	45	16- #9 BARS	47'-9"	95- #4 BARS	10'-5"	3,265
A2-2	42	294	316	6585.876	6630.876	45	16- #9 BARS	47'-9"	95- #4 BARS	10'-5"	3,265
						180					13060



PROJECT
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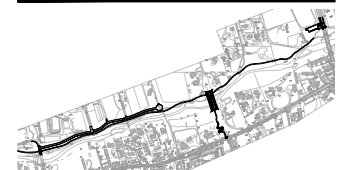
REGISTRATION



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I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER
357-7708
SHEET TITLE
BID ALT. #1
PEDESTRIAN BRIDGE
DRILLED SHAFT DETAILS
SHEET NUMBER
5 - 5



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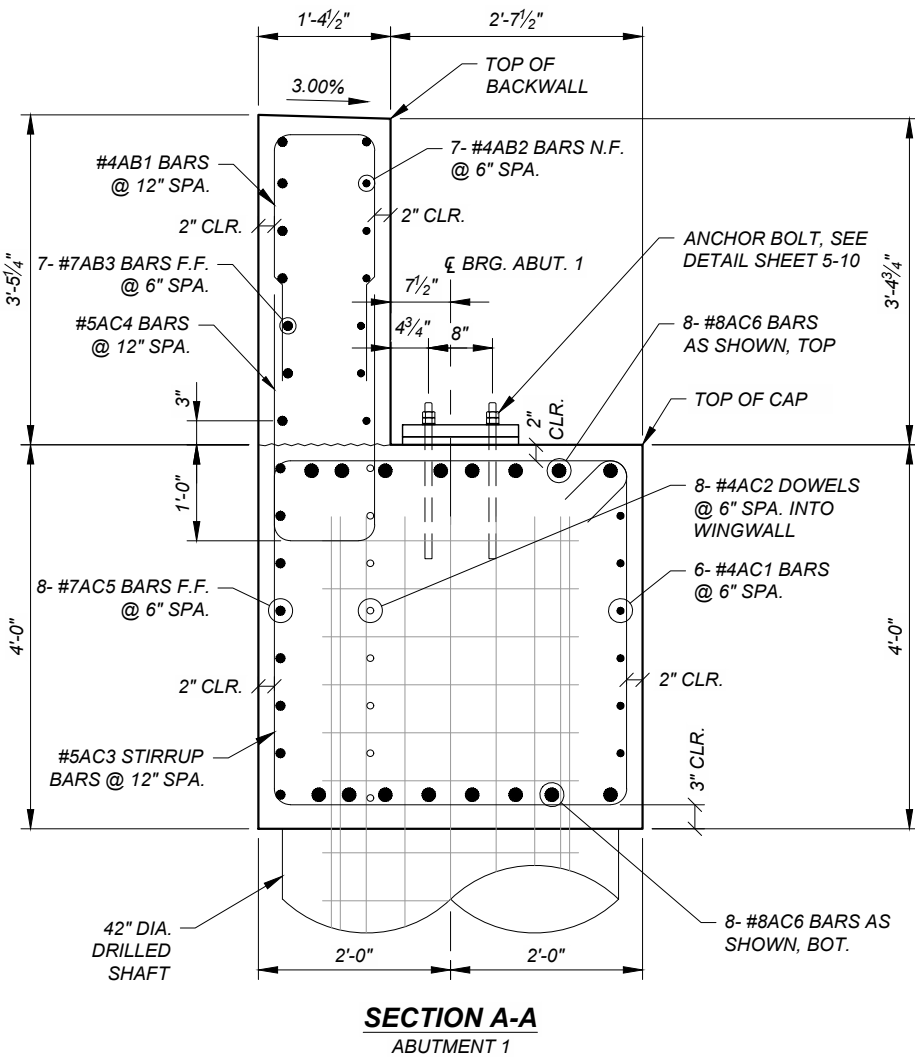
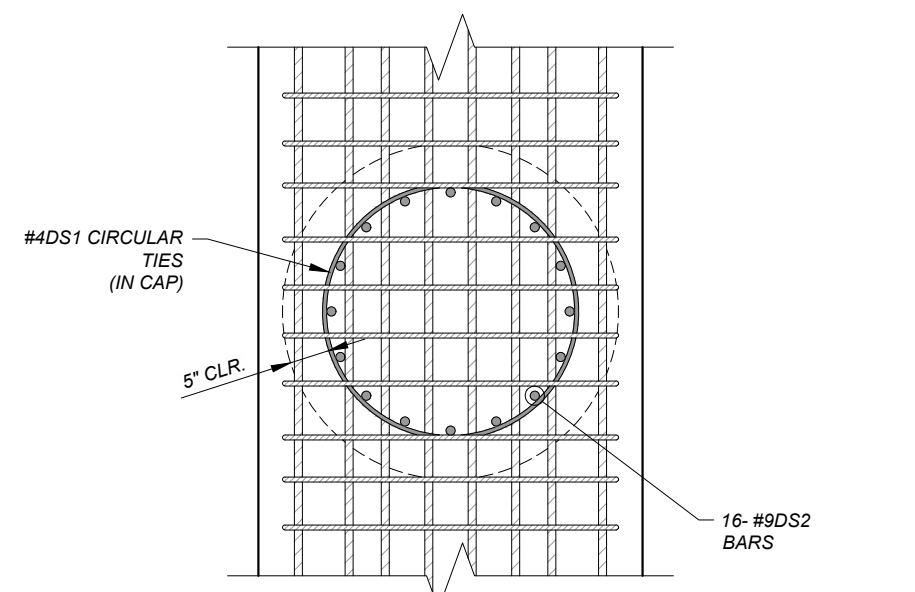
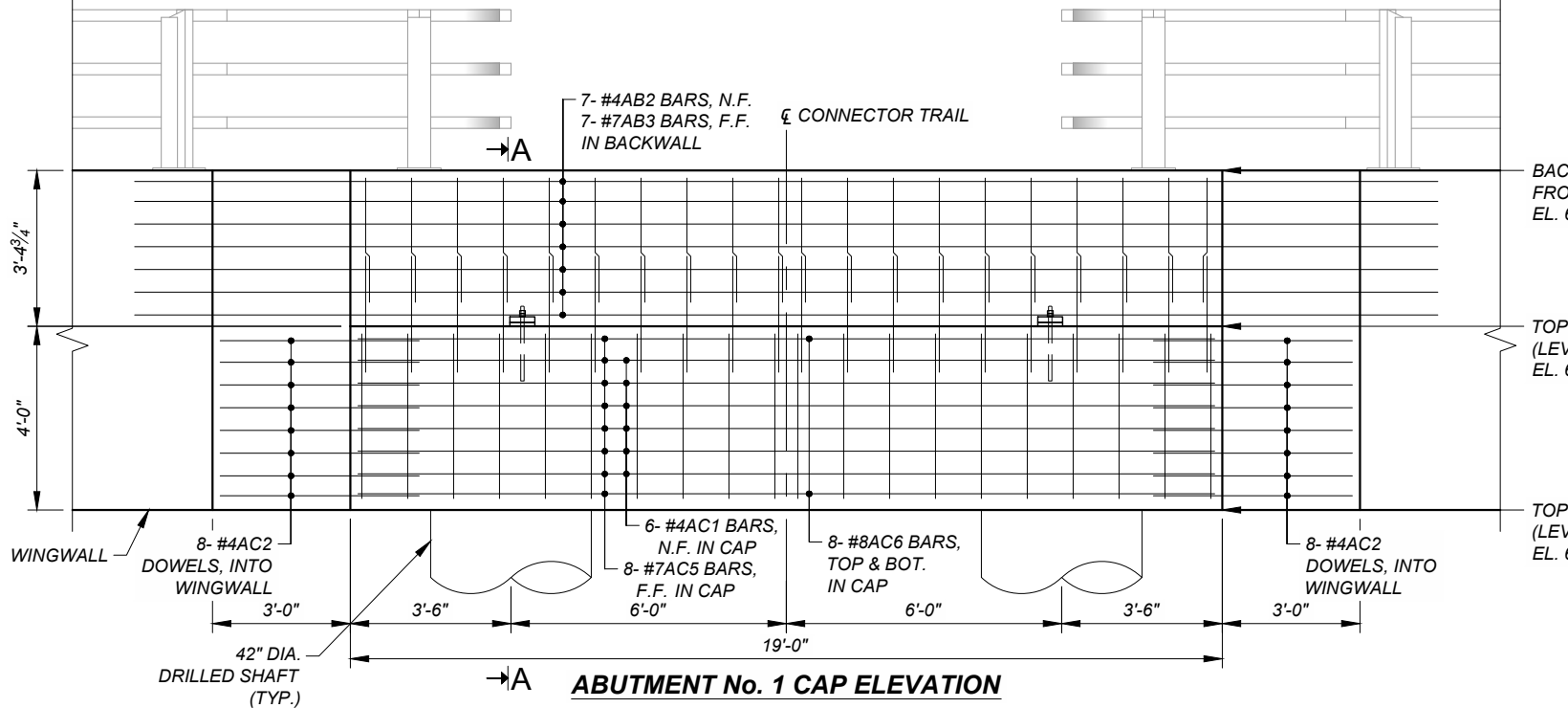
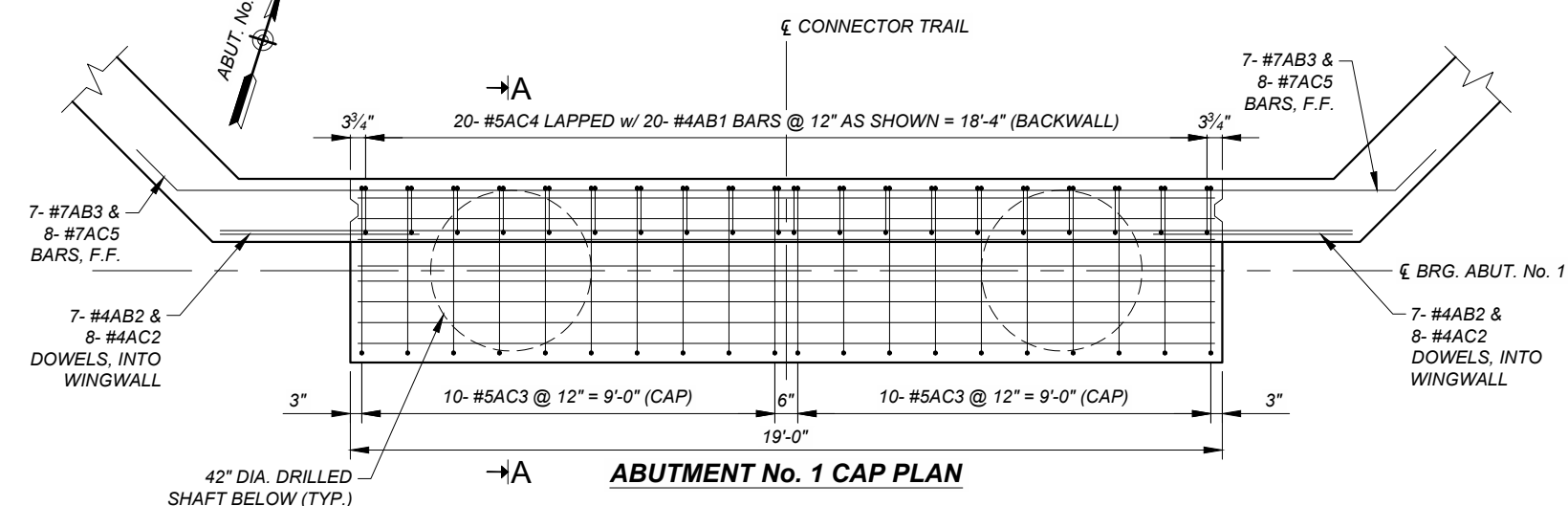
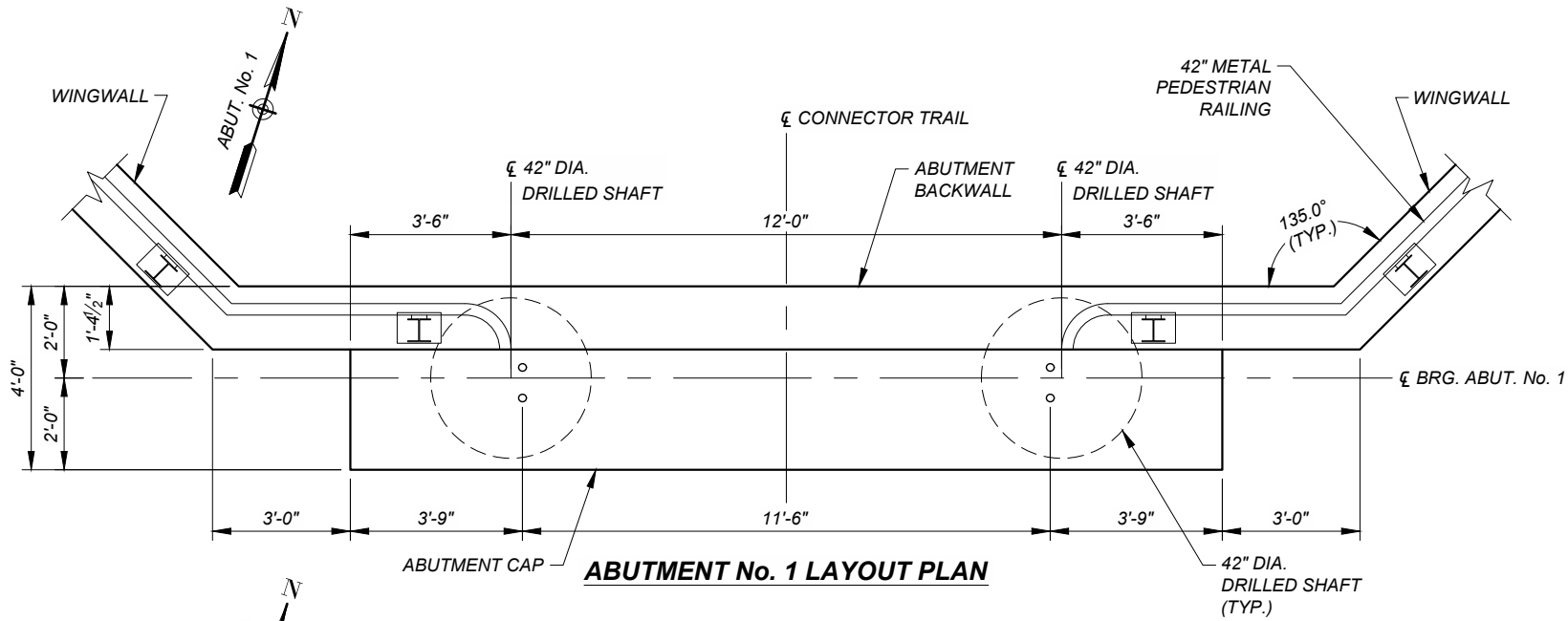
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 BID ALT. #1
 PEDESTRIAN BRIDGE
 ABUTMENT NO. 1 PLAN AND ELEV.

SHEET NUMBER
 5 - 6



Project Management Initials: Designer: CDS Checked: RKR Approved: MM
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 Filename: C:\pwworking\user\dms019001\SRFG_BR-ABD.dwg



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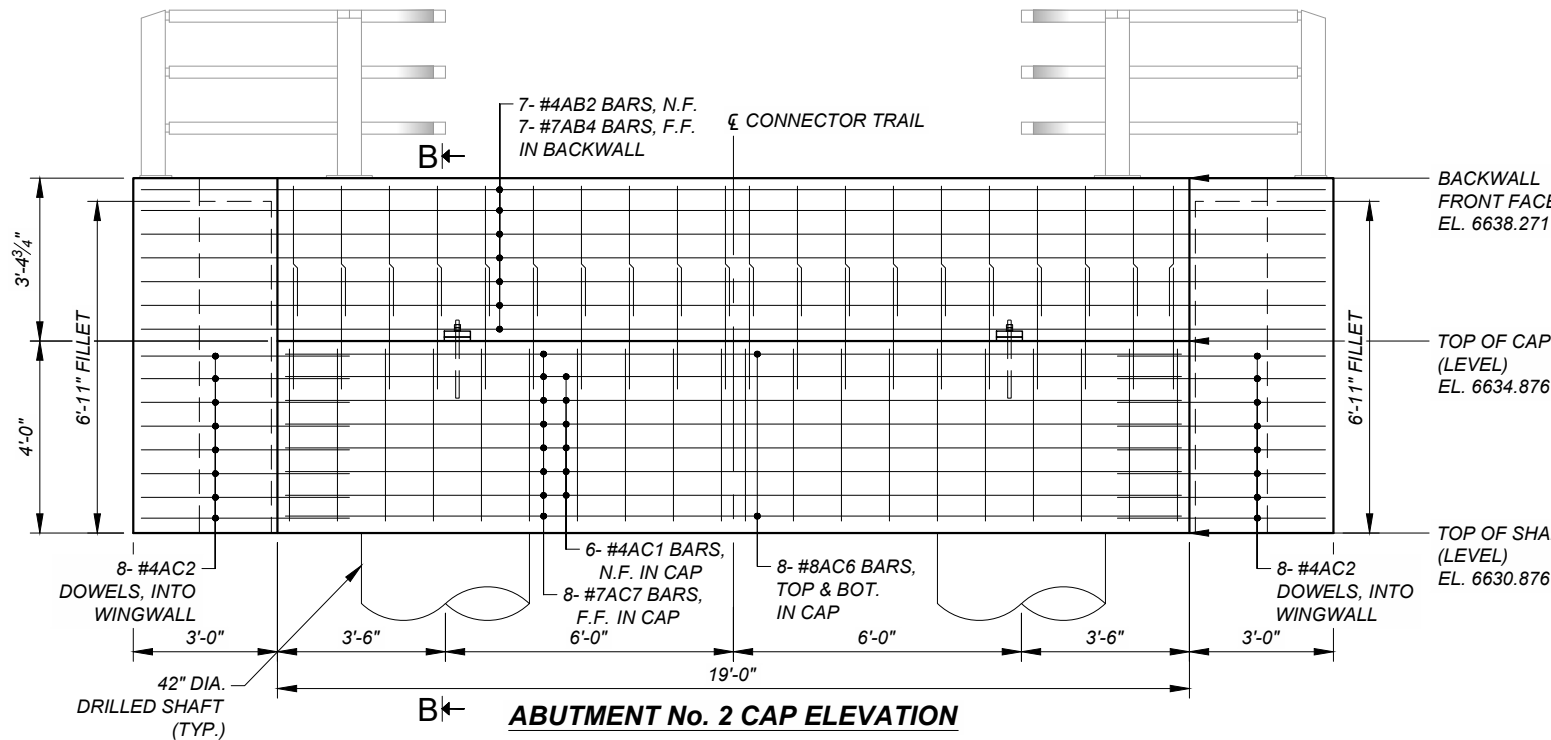
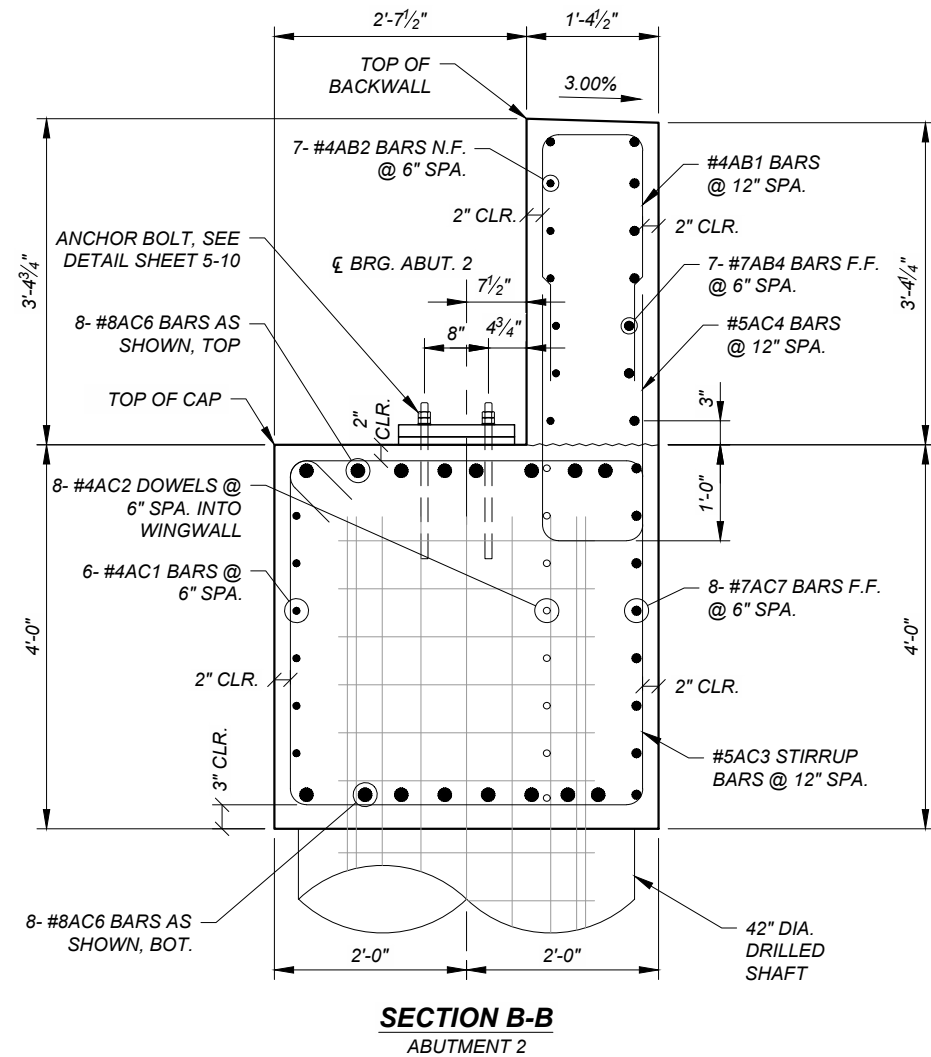
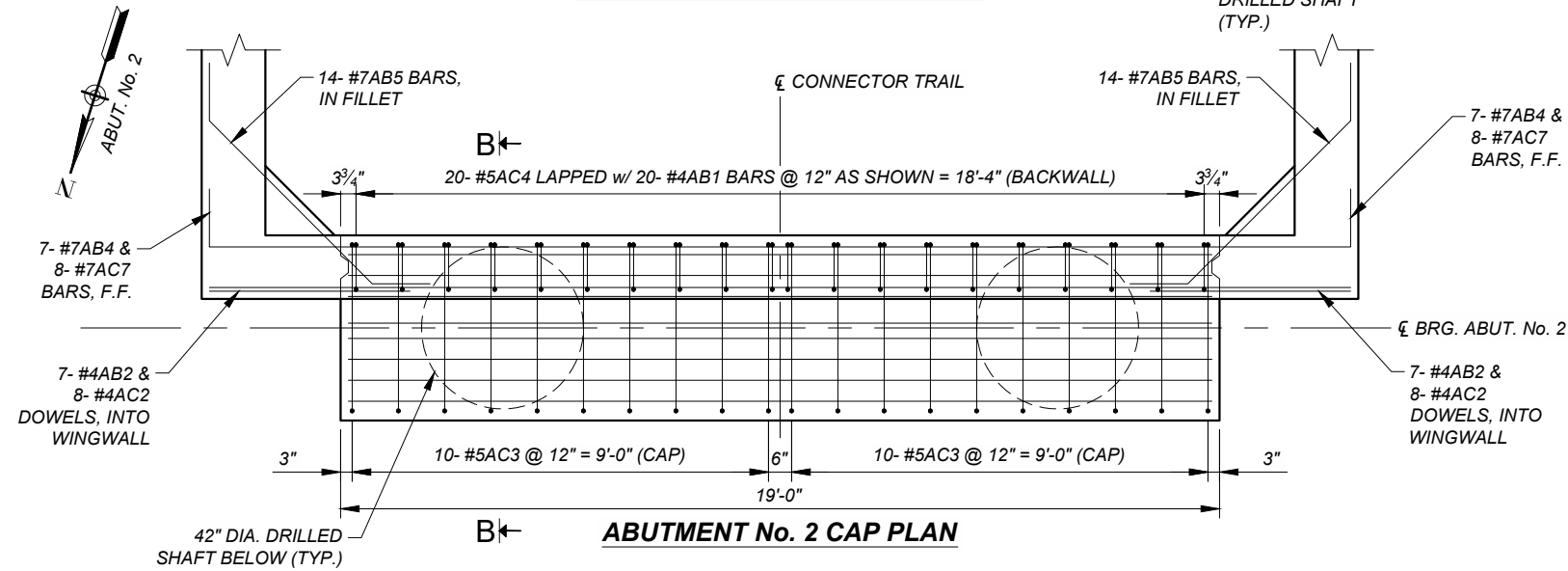
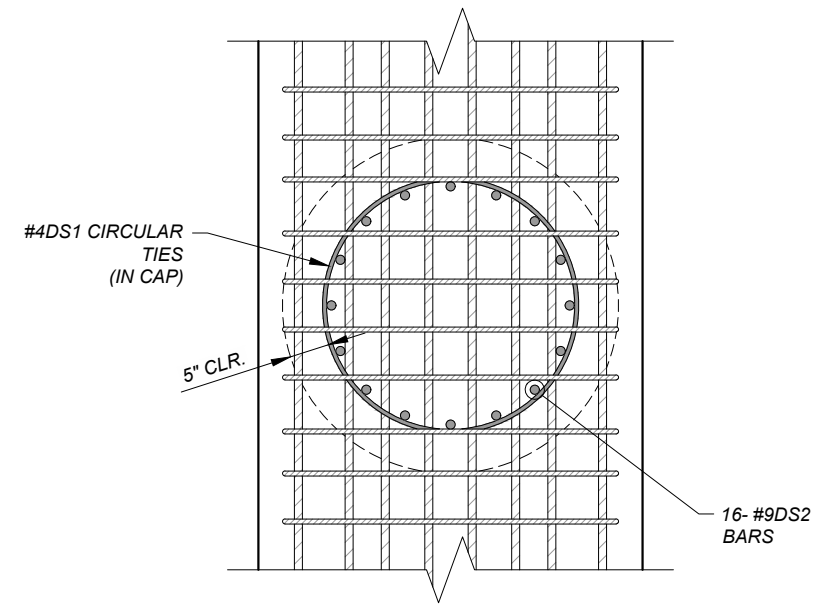
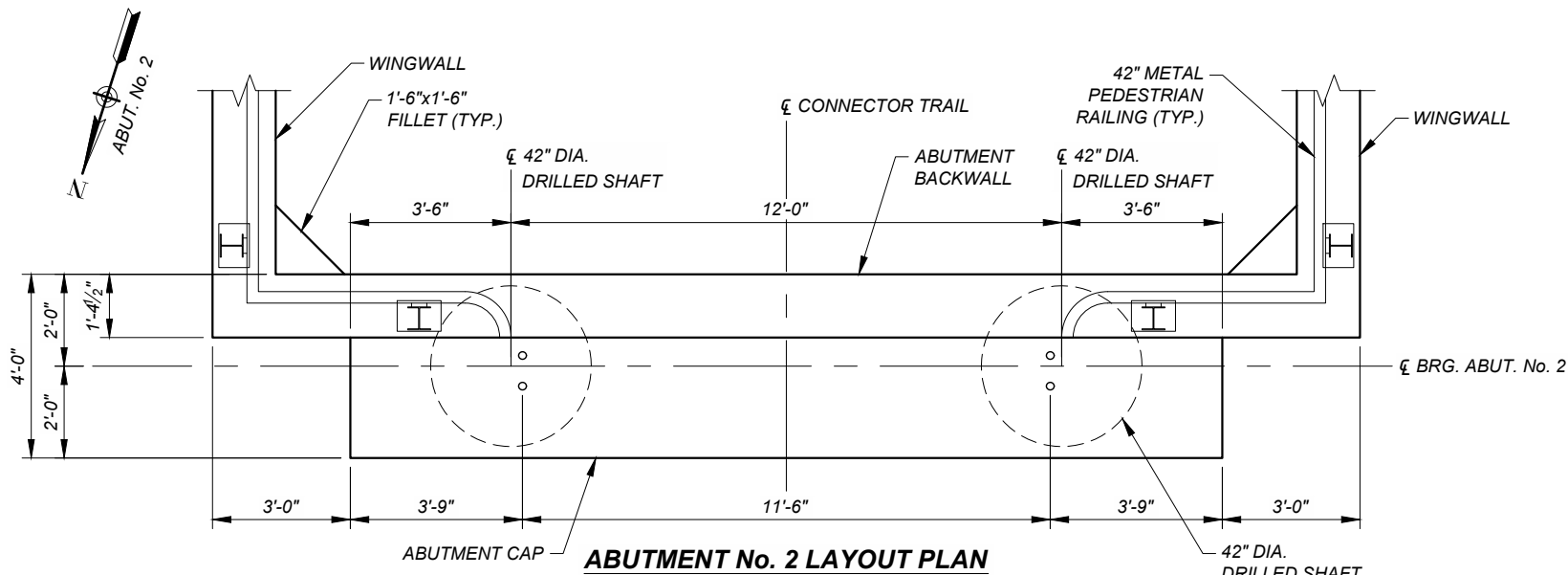
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KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
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 PEDESTRIAN BRIDGE
 ABUTMENT NO. 2 PLAN AND ELEV.

SHEET NUMBER
 5 - 7



Project Management Initials: Designer: CDS Checked: RKR Approved: MM
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 Last saved by: CALVIN,SANCHEZ(2023-06-23) Last Plotted: 2023-08-24
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08-24-2023

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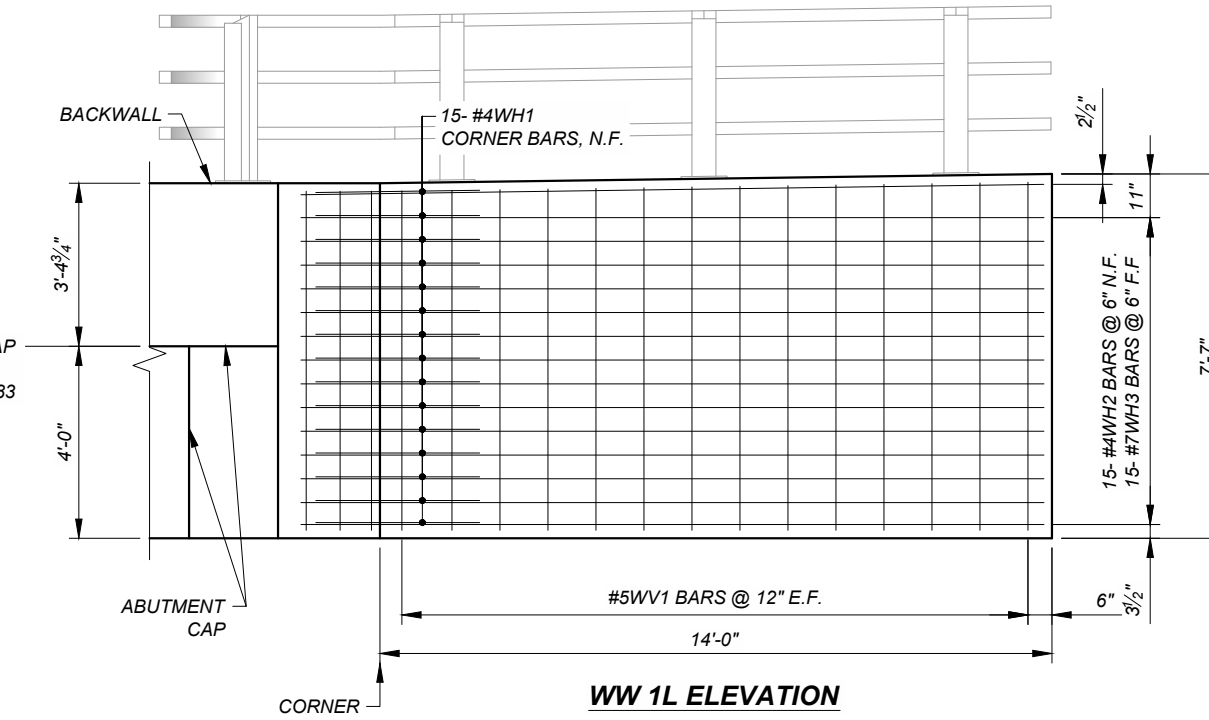
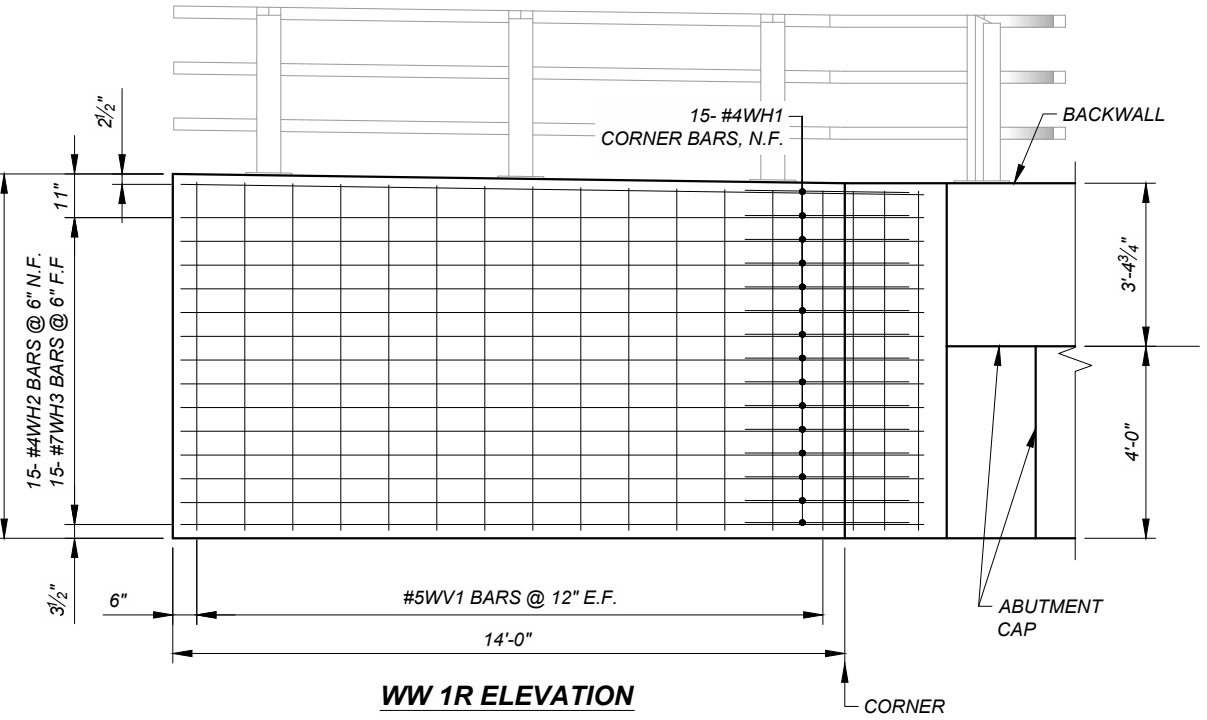
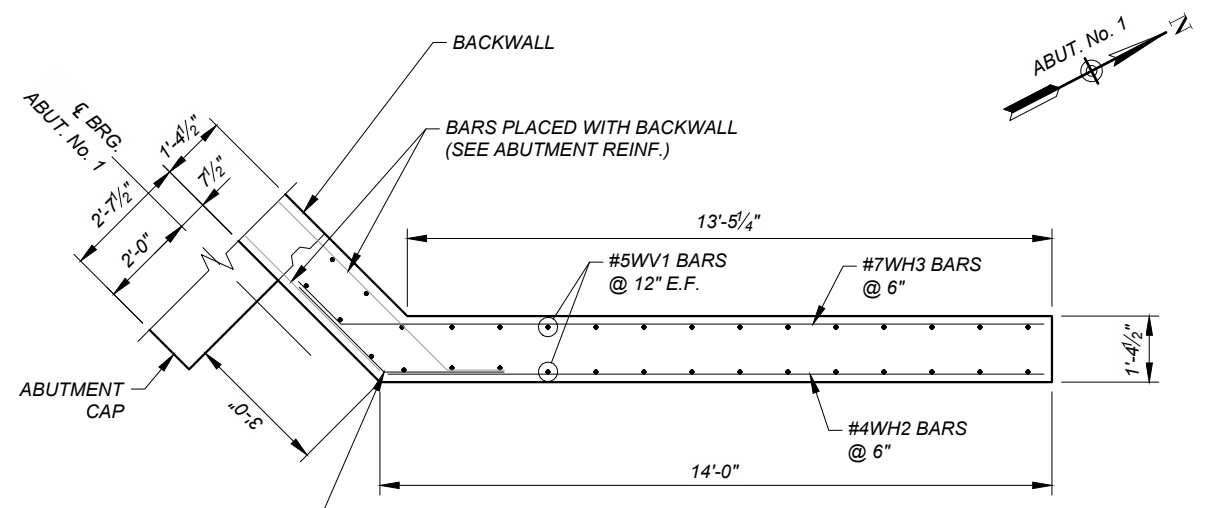
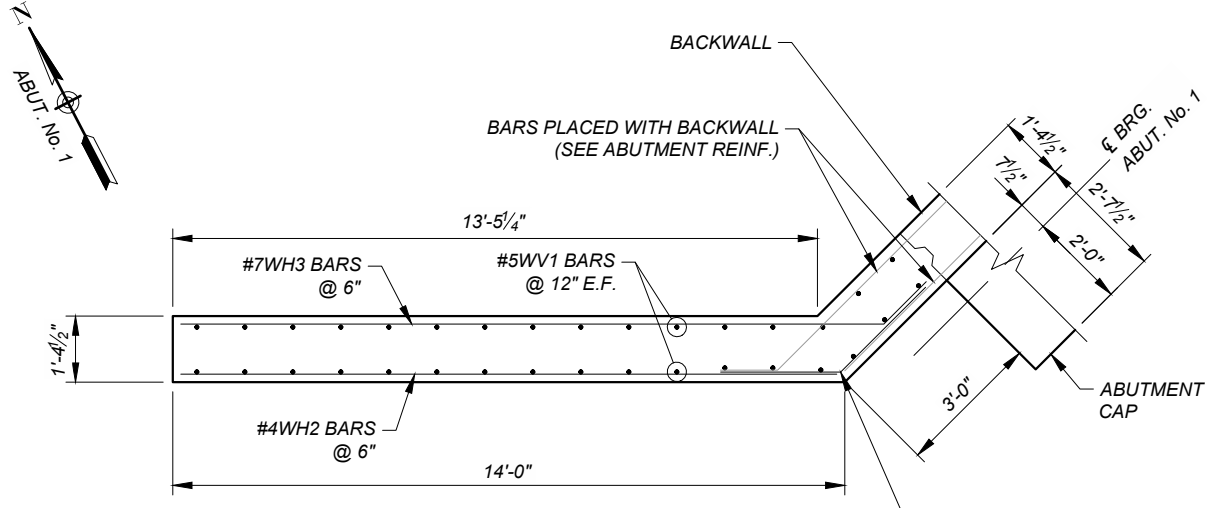
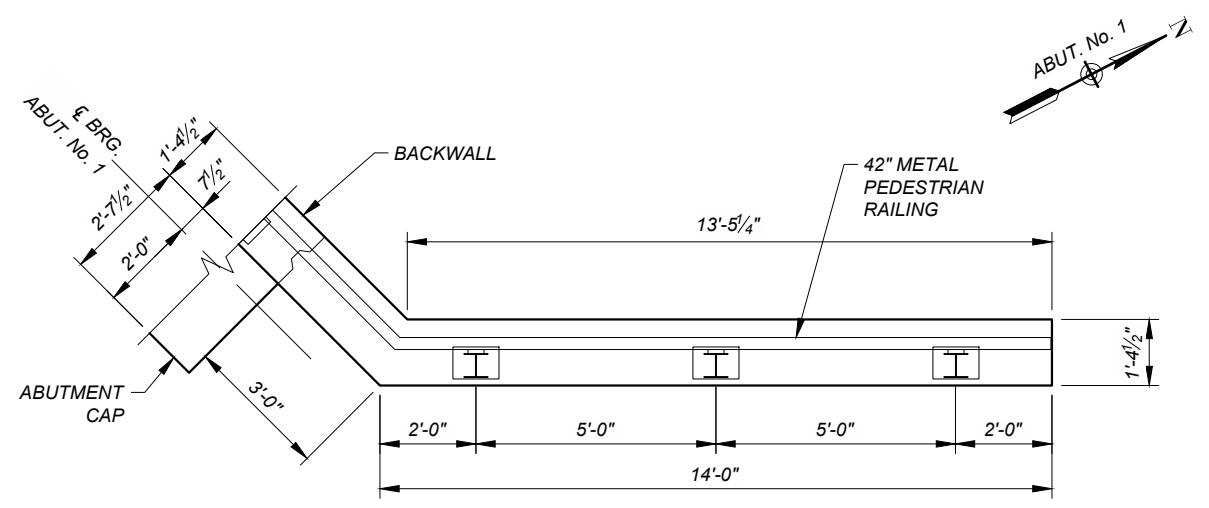
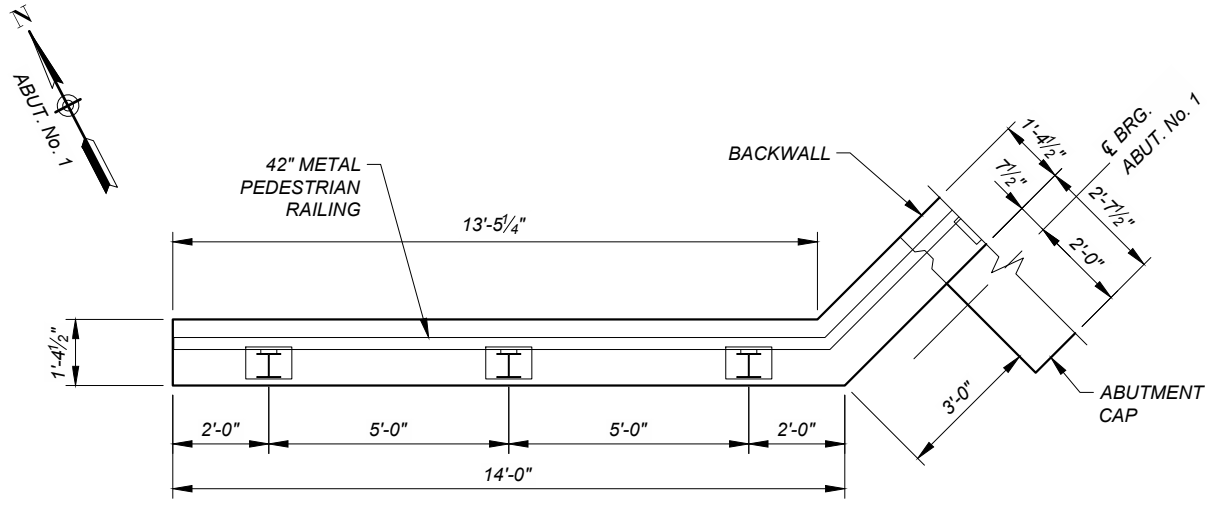
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KEY PLAN

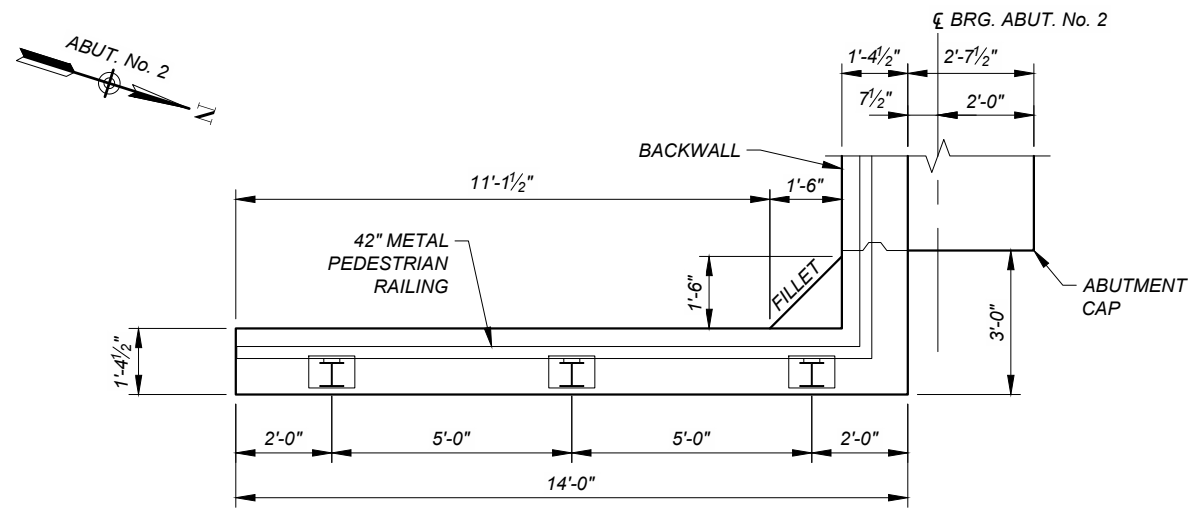
PROJECT NUMBER
 357-7708

SHEET TITLE
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 PEDESTRIAN BRIDGE
 ABUTMENT NO. 1 WINGWALLS

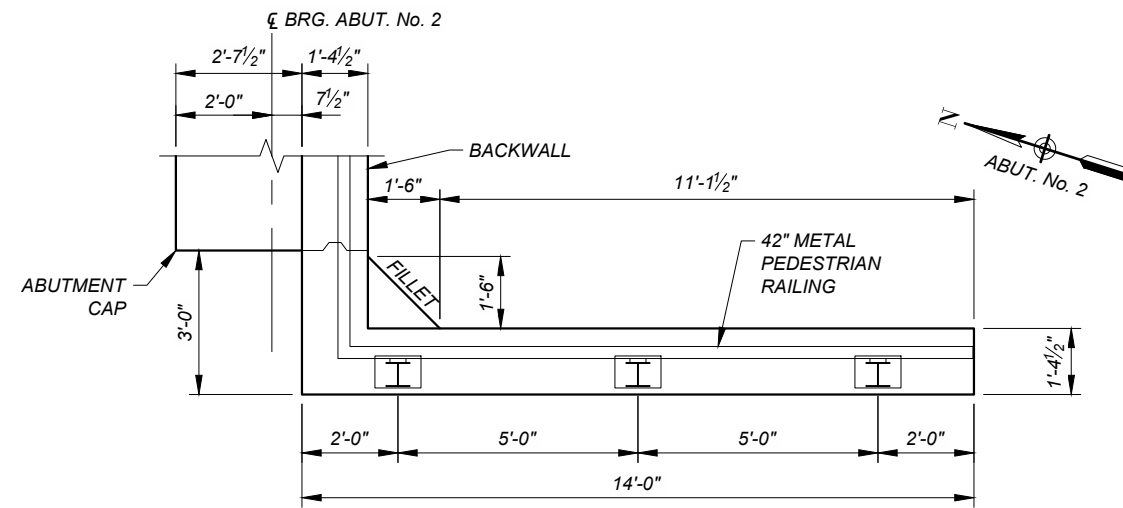
SHEET NUMBER
 5 - 8



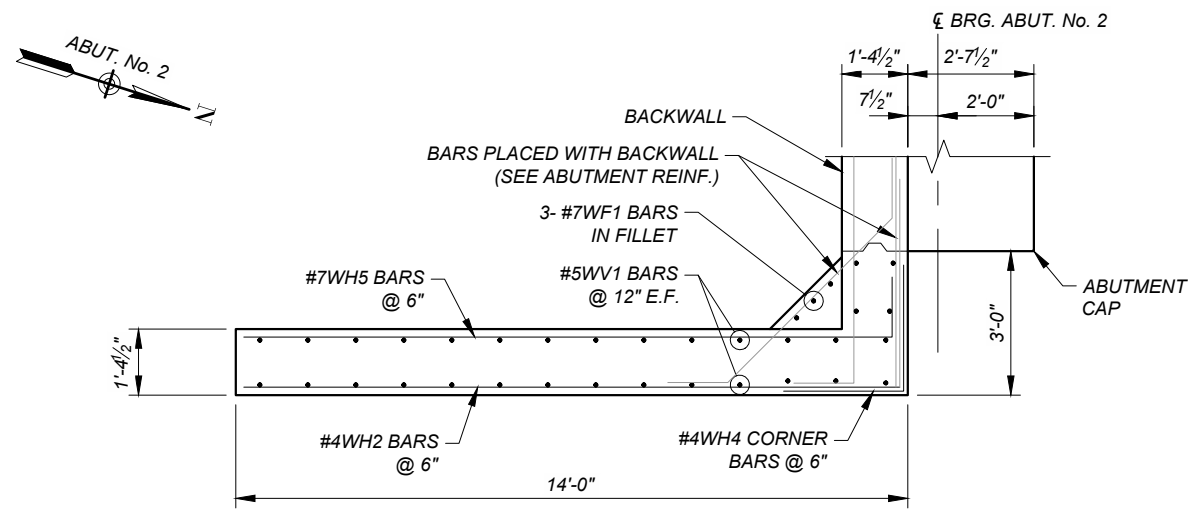
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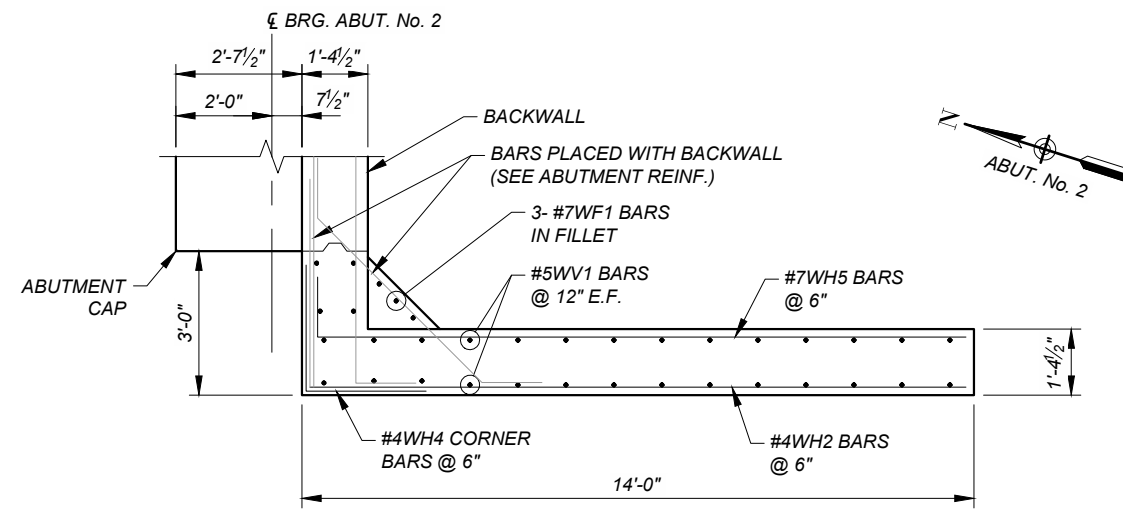
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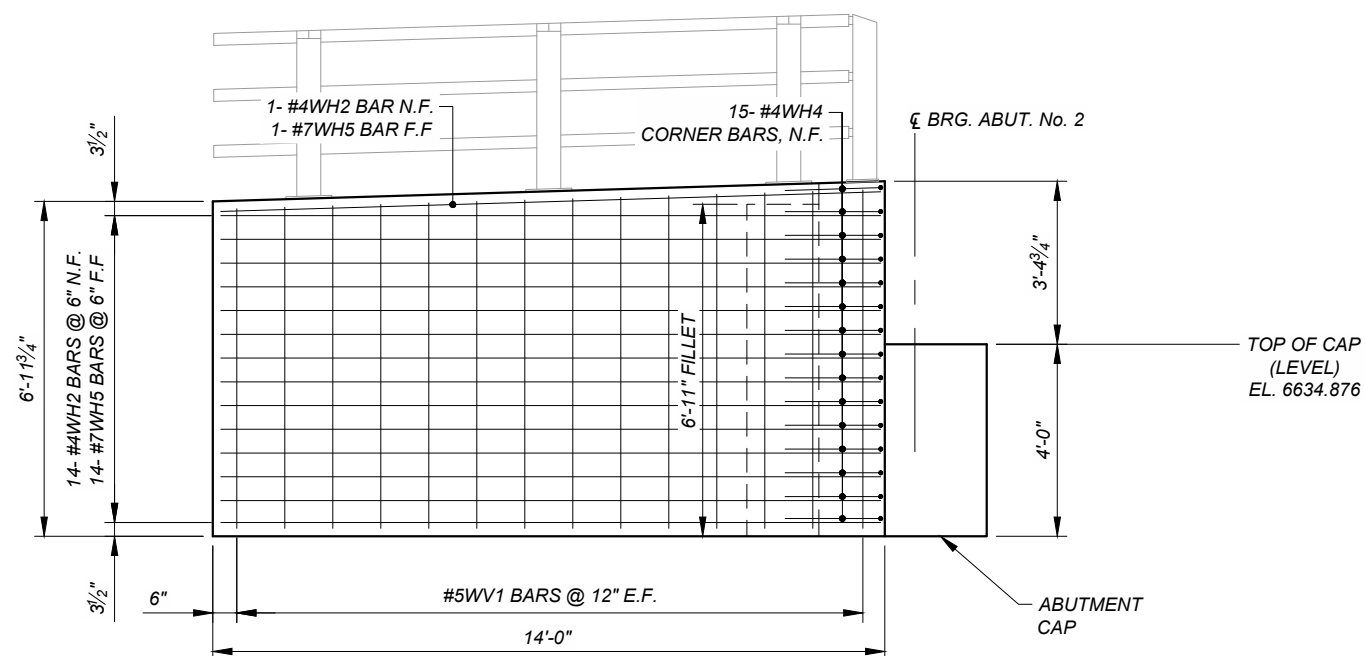
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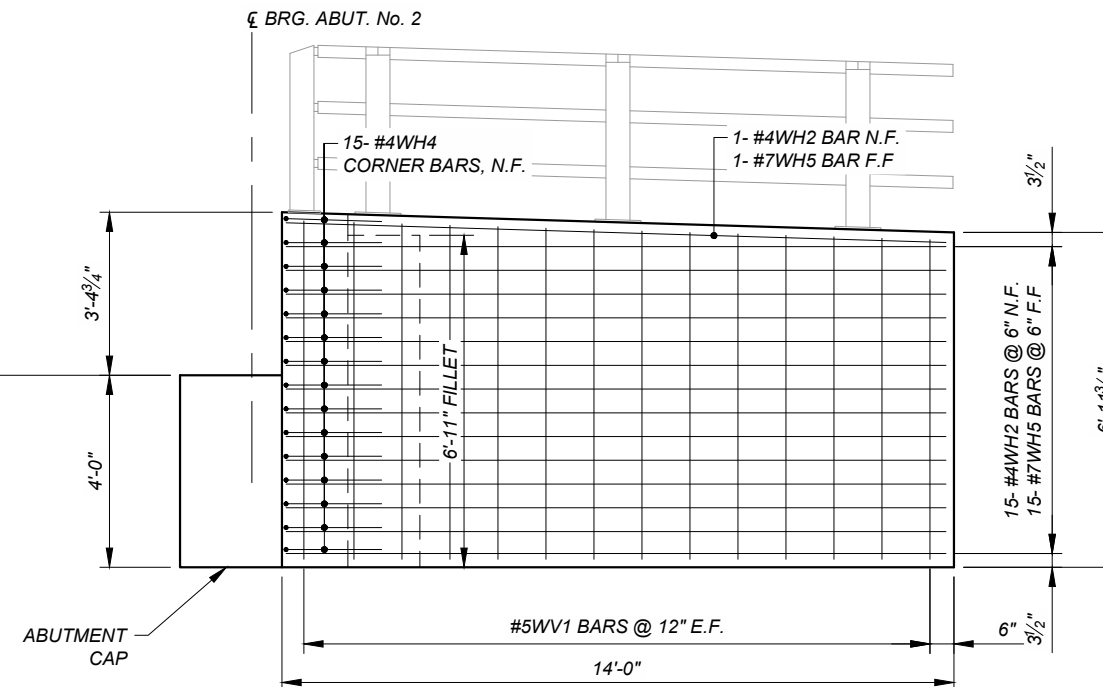
WW 2L PLAN



WW 2R PLAN



WW 2L ELEVATION



WW 2R ELEVATION



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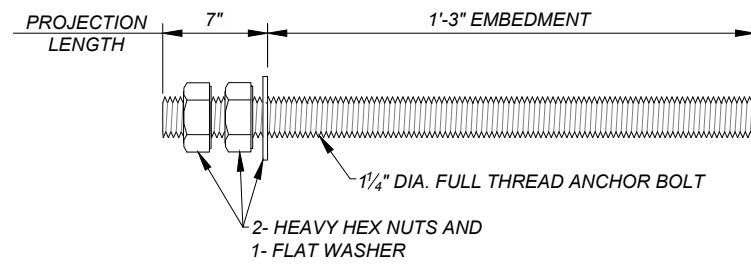
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
357-7708

SHEET TITLE
BID ALT. #1
PEDESTRIAN BRIDGE
ABUTMENT NO. 2 WINGWALLS

SHEET NUMBER
5 - 9

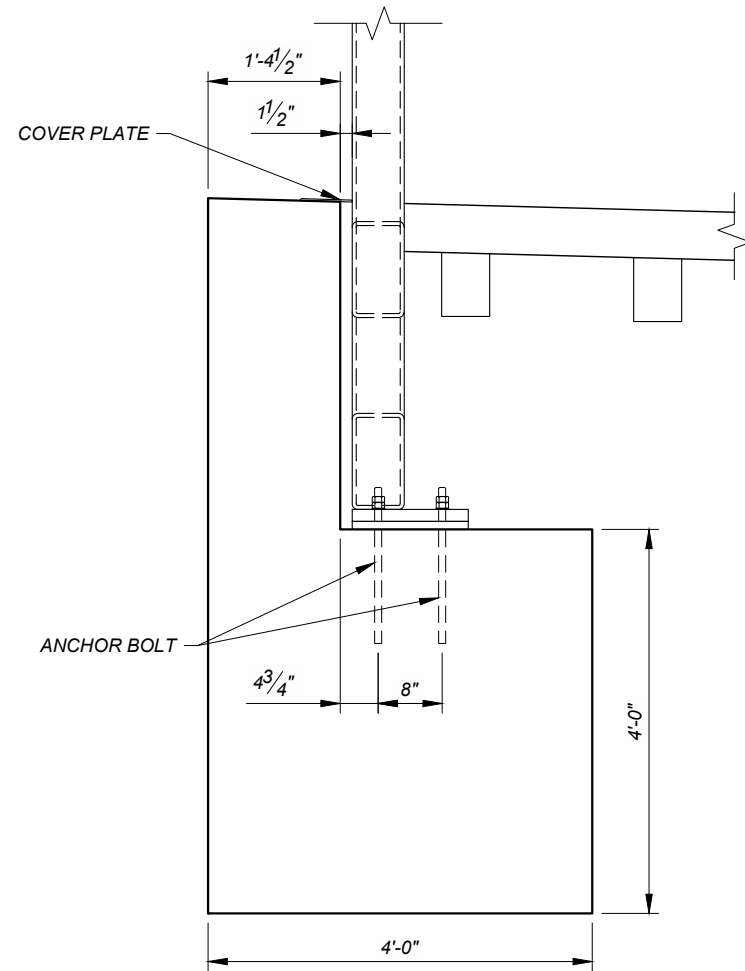


ANCHOR BOLTS SHALL BE ASTM-F1554 GRADE 105.
ANCHOR BOLTS, NUTS AND WASHERS SHALL BE
MECHANICALLY GALVANIZED.

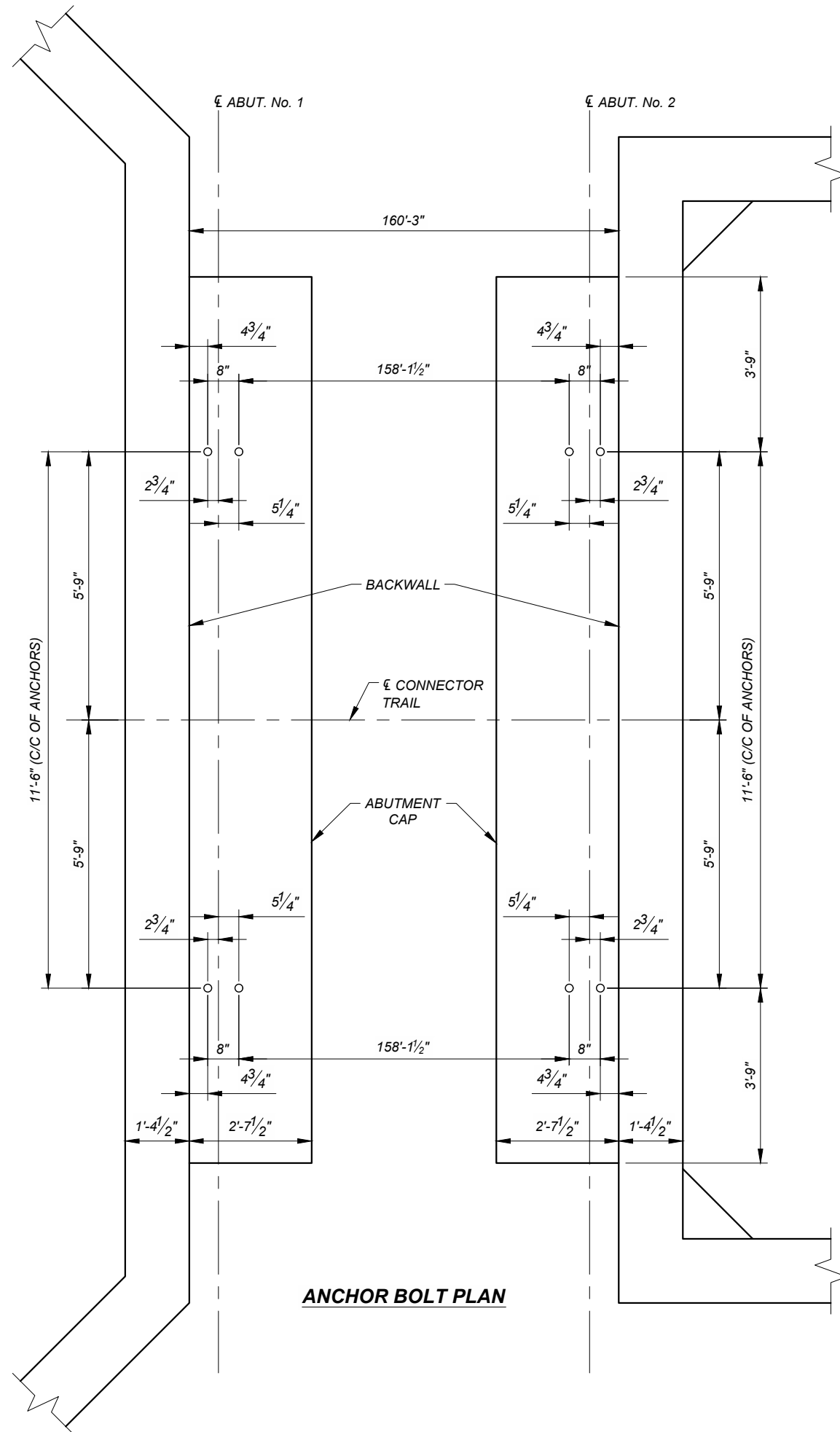
ABUTMENT ANCHOR BOLT DETAIL

(8) 1/4" x 1'-10" BOLTS REQ'D.

(NOT TO SCALE)



SECTION



ANCHOR BOLT PLAN



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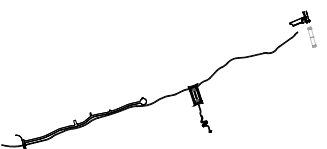
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I/R	DATE	DESCRIPTION

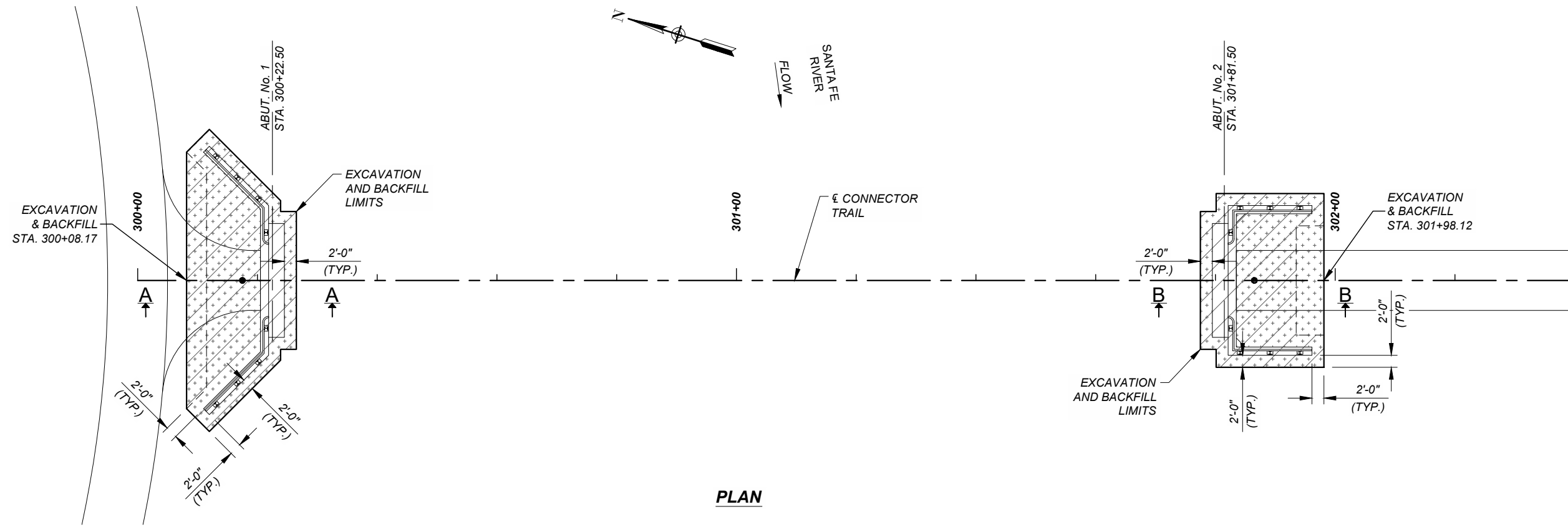
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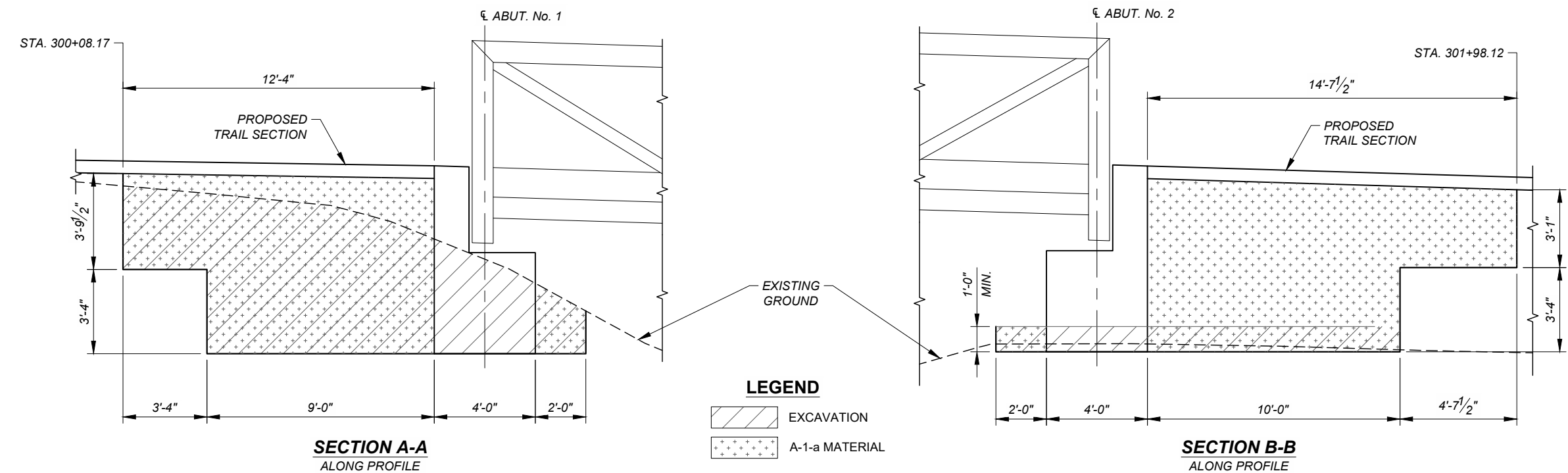
PROJECT NUMBER
 357-7708

SHEET TITLE
 BID ALT. #1
 PEDESTRIAN BRIDGE
 EXCAVATION AND BACKFILL DETAILS

SHEET NUMBER
 5 - 11



PLAN



LEGEND

- EXCAVATION
- A-1-a MATERIAL

**SECTION A-A
 ALONG PROFILE**

**SECTION B-B
 ALONG PROFILE**

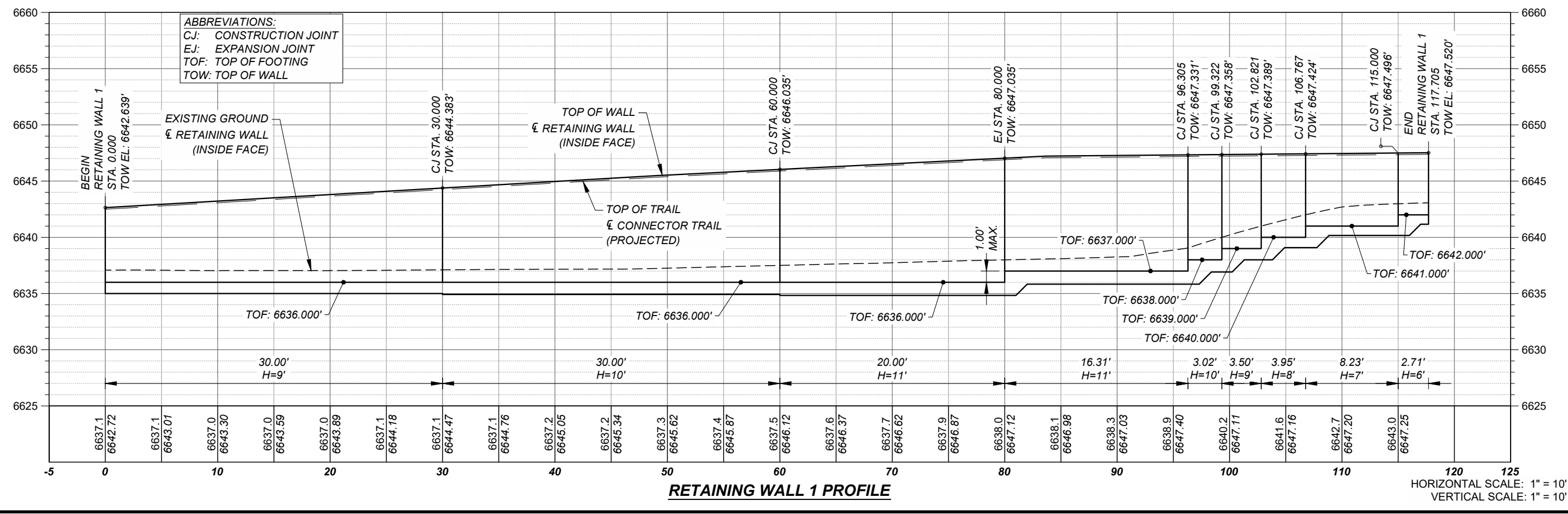
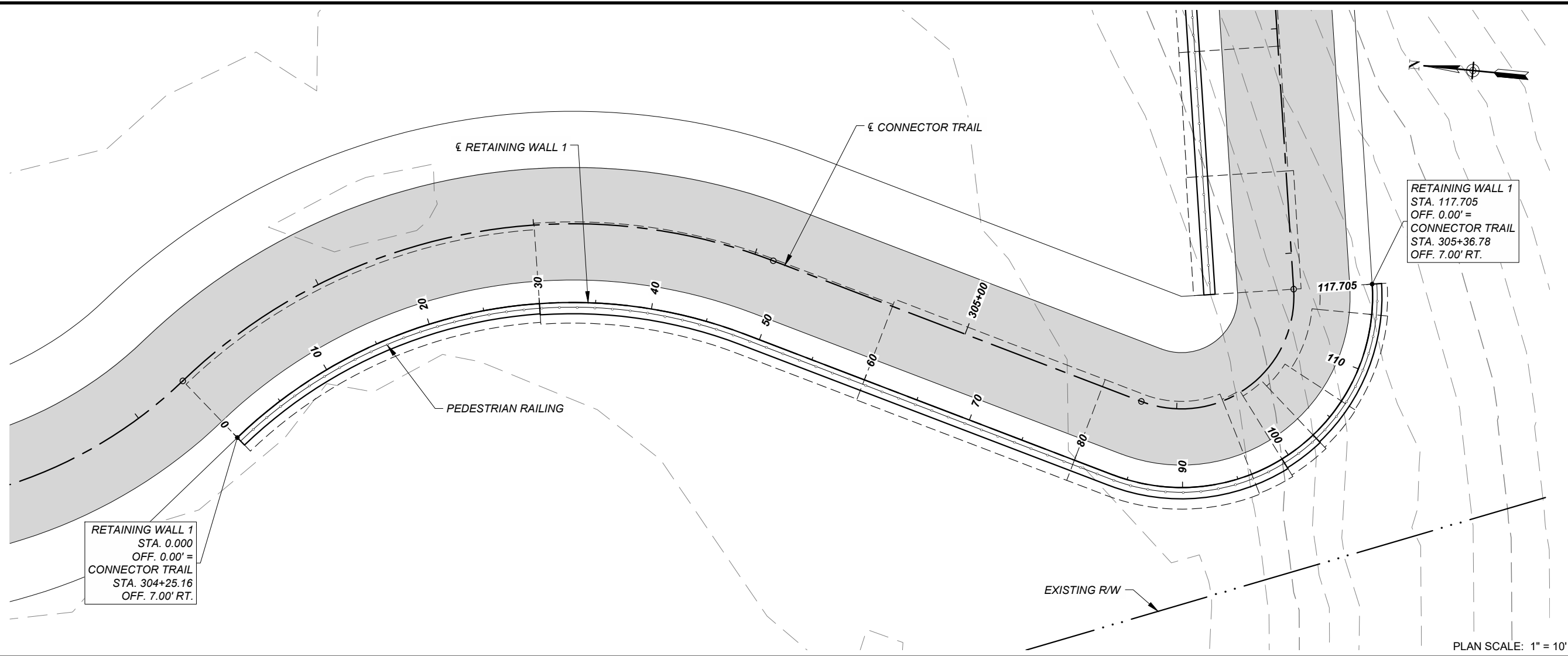
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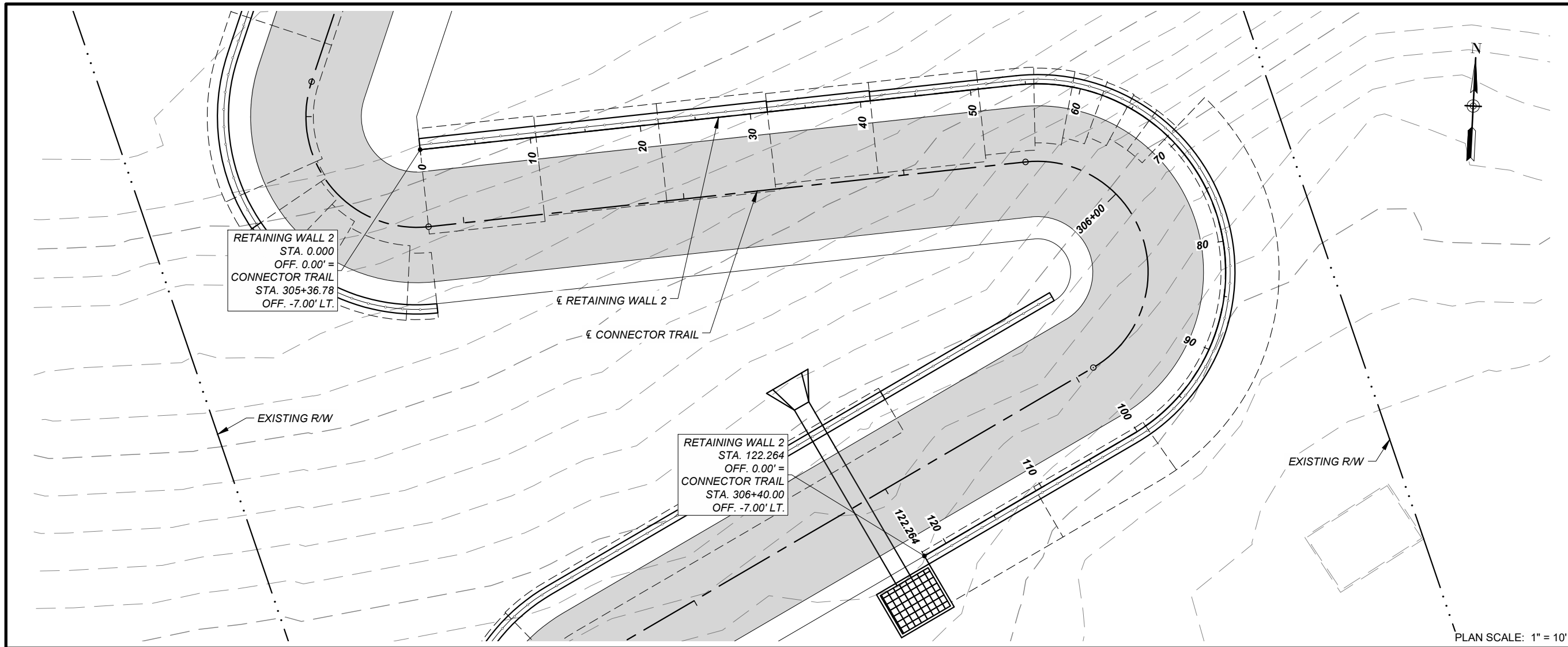


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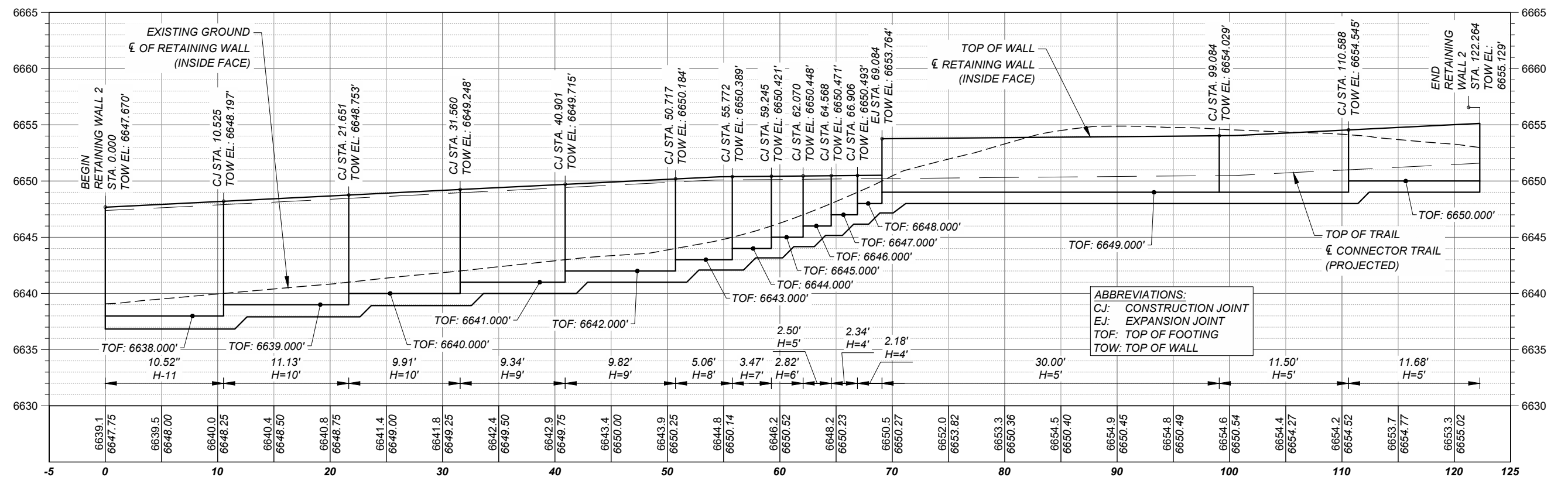
I/R	DATE	DESCRIPTION

KEY PLAN





PLAN SCALE: 1" = 10'



RETAINING WALL 2 PROFILE

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 10'

ABBREVIATIONS:
CJ: CONSTRUCTION JOINT
EJ: EXPANSION JOINT
TOF: TOP OF FOOTING
TOW: TOP OF WALL



PROJECT
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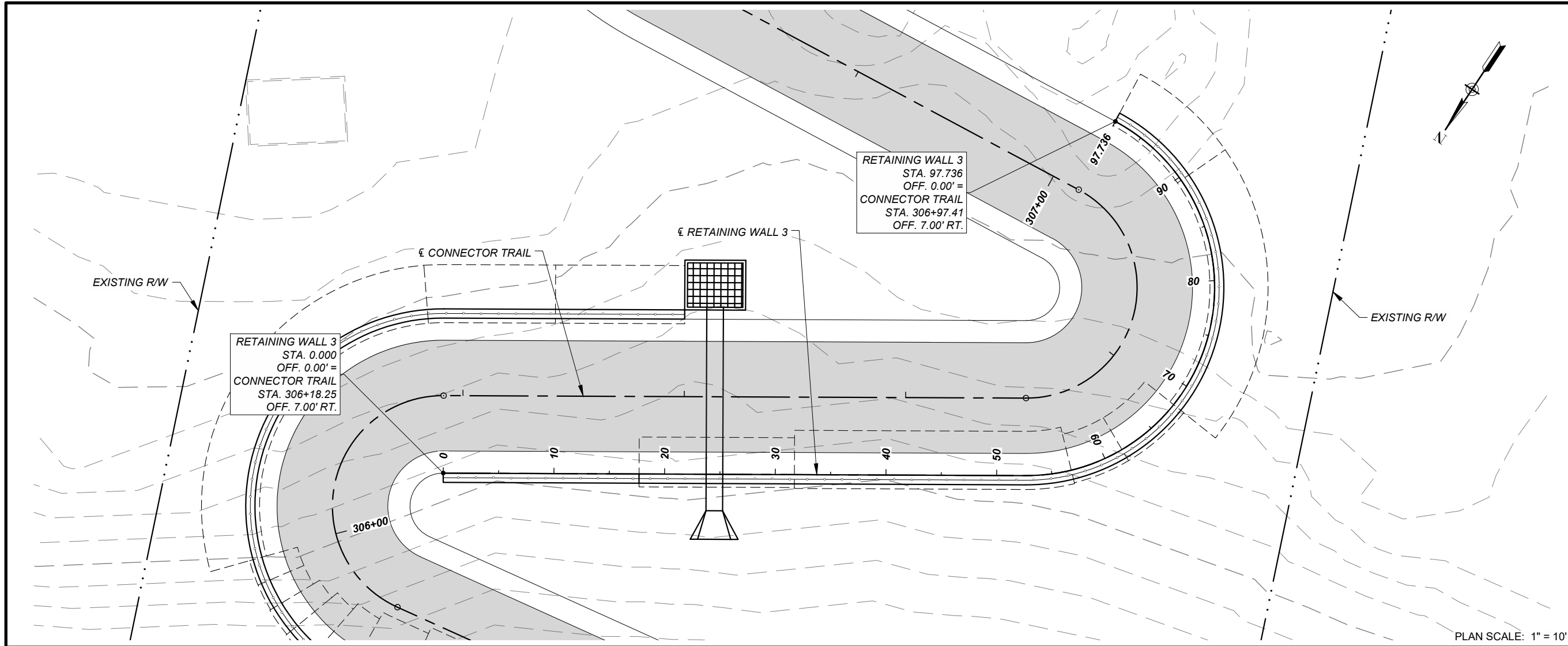
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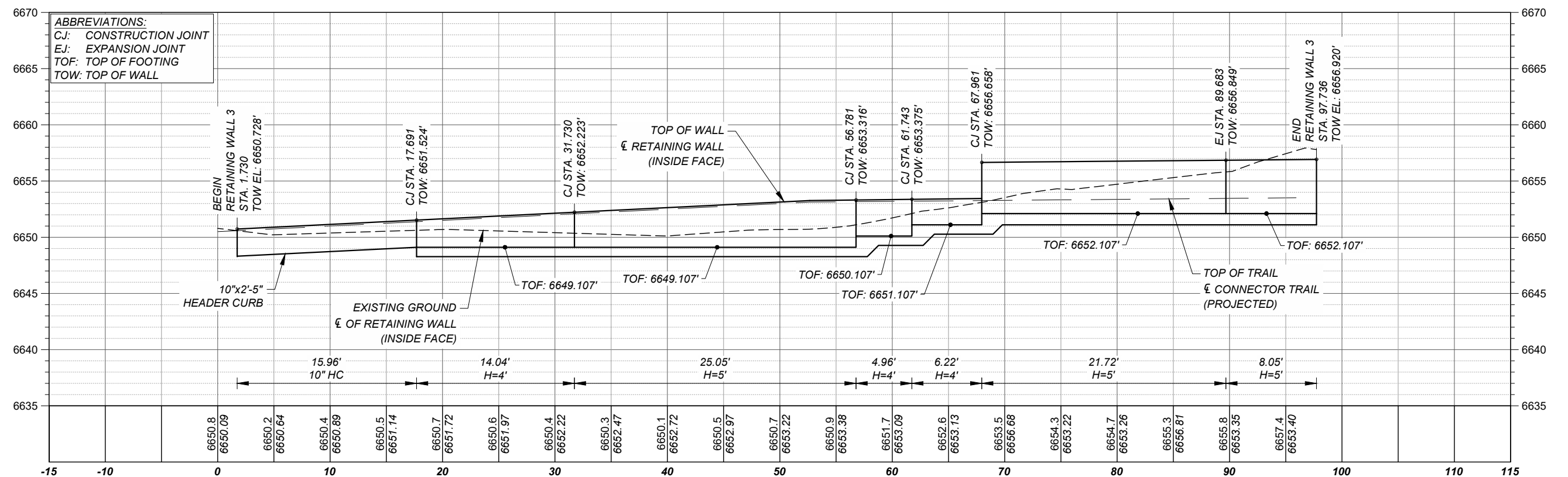
PROJECT NUMBER
357-7708

SHEET TITLE
BID ALT. #1
RETAINING WALL 2
PLAN AND PROFILE

SHEET NUMBER
5 - 13



PLAN SCALE: 1" = 10'



RETAINING WALL 3 PROFILE

HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 10'



PROJECT
 SANTA FE RIVER
 GREENWAY PROJECT
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KEY PLAN

PROJECT NUMBER
 357-7708

SHEET TITLE
 BID ALT. #1
 RETAINING WALL 3
 PLAN AND PROFILE

SHEET NUMBER
 5 - 14