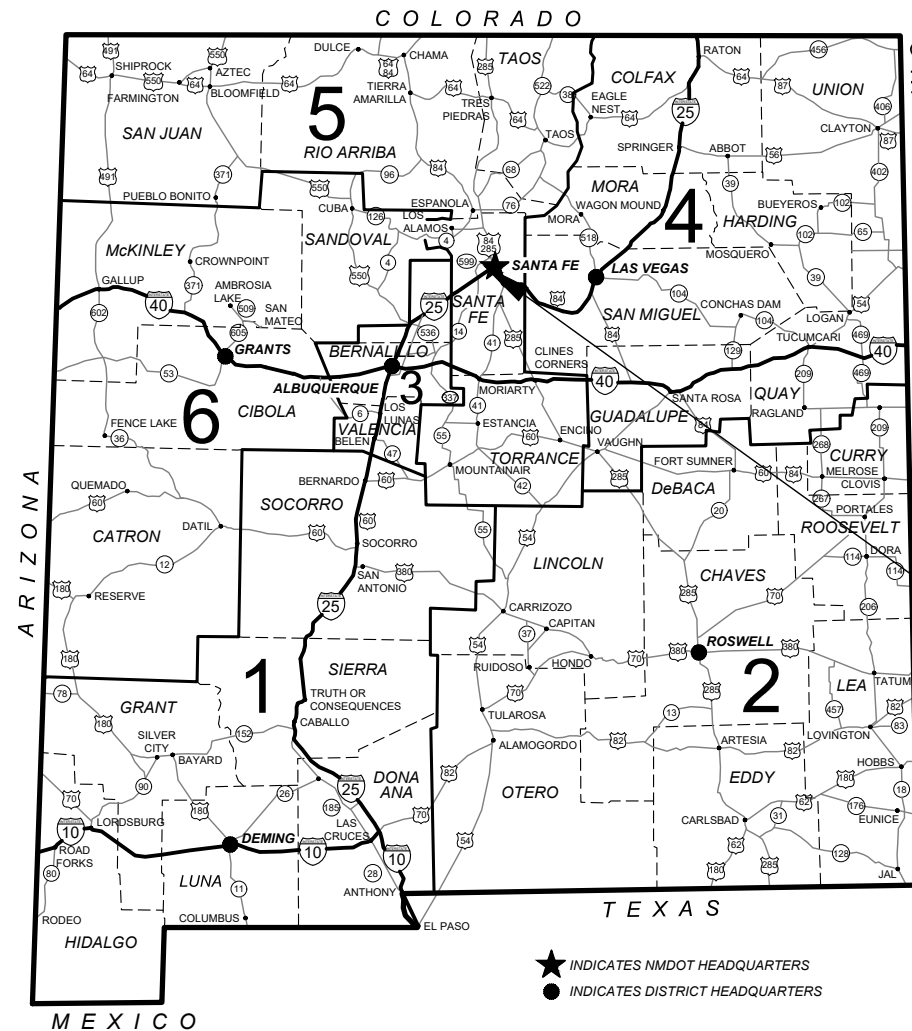


# SANTA FE COUNTY PUBLIC WORKS DEPARTMENT CONSTRUCTION PLANS

## SANTA FE RIVER GREENWAY PROJECT (SECTION B)

### PROJECT NUMBER 357-7708



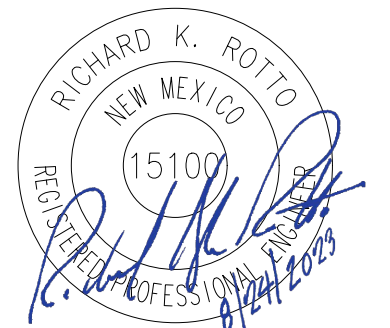
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

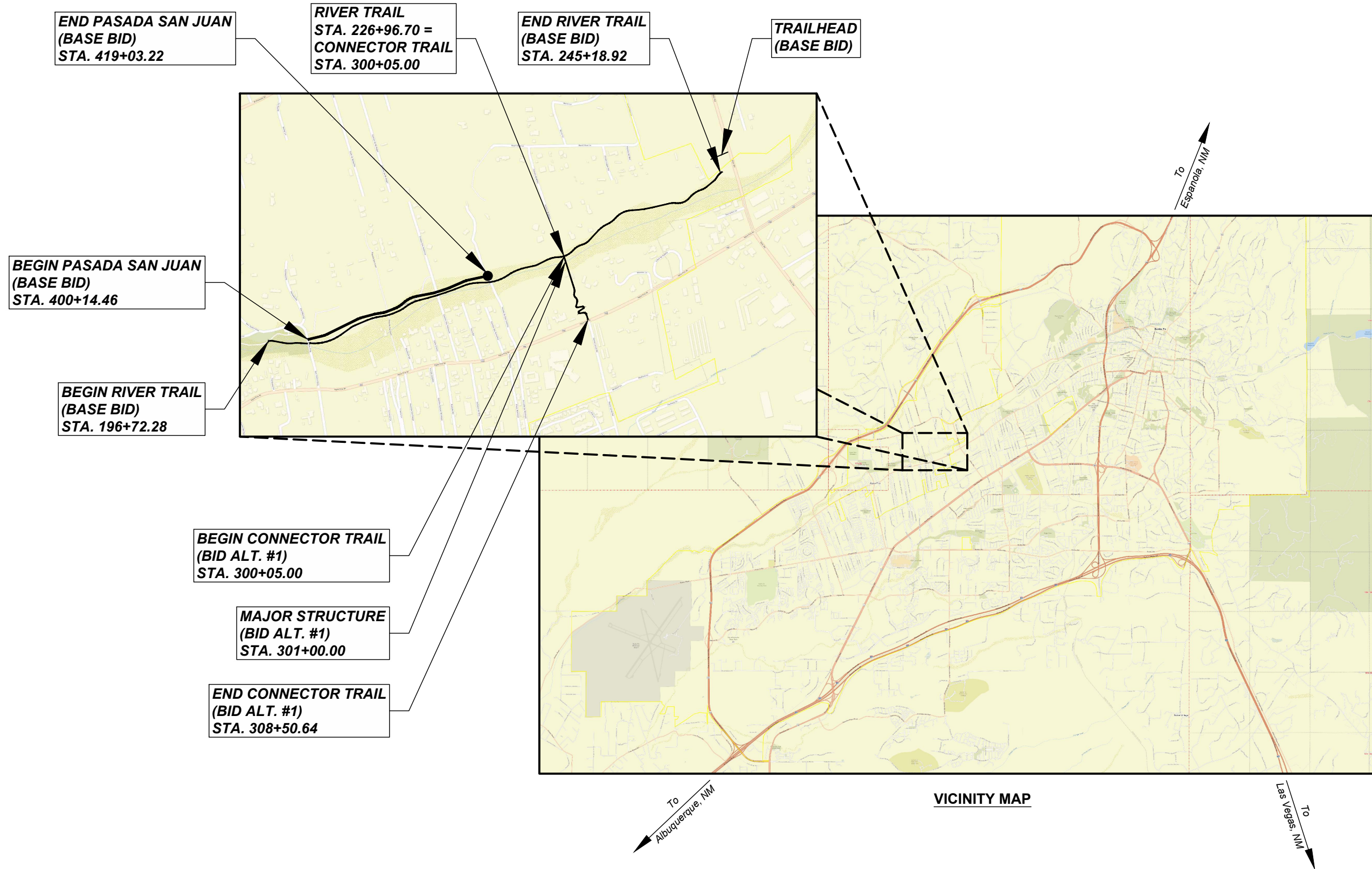
SANTA FE COUNTY  
LAND USE DEPARTMENT

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

SANTA FE COUNTY  
PUBLIC WORKS DIRECTOR



LENGTH OF PROJECT 1.484 MILES



VICINITY MAP

**PROJECT CONTACT INFORMATION**

**SANTA FE COUNTY PROJECT MANAGER**  
 MIKE ROMERO  
 Cell: (505) 470-3498

**DESIGN CONSULTANT**  
 AECOM TECHNICAL SERVICES, INC.  
 RICHARD ROTTO  
 Cell: (505) 470-4951

**INTENT OF PROJECT**

THE INTENT OF THIS PROJECT IS TO CONSTRUCT SECTION B OF THE SANTA FE RIVER TRAIL BETWEEN SILER ROAD AND SAN YSIDRO CROSSING. CONSTRUCTION OF THE TRAIL REQUIRES REPLACEMENT OF THE TWO LOW WATER CROSSINGS AT CAMINO DOS ANTONIOS AND VER SAN ANTONIO WITH A NEW ACCESS ROAD FROM SAN YSIDRO CROSSING TO PROVIDE ACCESS TO PROPERTIES NORTH OF THE RIVER. THE TRAIL IMPROVEMENTS INCLUDE A NEW TRAILHEAD AT SILER ROAD, A MID-BLOCK CROSSWALK AT SILER ROAD, A MID-BLOCK CROSSWALK AT SAN YSIDRO, AND A PEDESTRIAN BRIDGE AND CONNECTOR TRAIL TO HENRY LYNCH ROAD. ROAD AND TRAIL WORK INCLUDES NEW ASPHALT PAVEMENT, CURB & GUTTER, HEADER CURB, CONCRETE TRAIL PAVEMENT, DRAINAGE IMPROVEMENTS, LOW IMPACT DEVELOPMENT WATER QUALITY BASINS, BIOSWALES, RAINWATER HARVESTING, TRAFFIC CONTROL, AND PERMANENT SIGNING AND STRIPING. RIVER WORK INCLUDES DEBRIS REMOVAL AND RIVER CLEANUP, CHANNEL WIDENING, EROSION PROTECTION, STREAM RESTORATION AND REVEGETATION, AS WELL AS CHANNEL AND BANK BOULDER GRADE CONTROL STRUCTURES.

THE 2019 EDITION OF NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN CONSTRUCTION OF THIS PROJECT.



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**

**SANTA FE COUNTY**



100 Catron St.  
 Santa Fe, New Mexico 87501  
 T 505.986.6200  
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**TOPOGRAPHIC MAPPING**  
**COOPER AERIAL SURVEYS CO.**  
 T 602.678.5111

**SUBSURFACE UTILITY ENGINEERING**  
**COLLIERS ENGINEERING & DESIGN**  
 T 505.228.3154

**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**

357-7708

**SHEET TITLE**

VICINITY MAP

**SHEET NUMBER**

1 - 2



NUMBER	DESCRIPTION
<b>1-SHEETS</b>	
1-1	COVER SHEET
1-2	VICINITY MAP
1-3	INDEX OF SHEETS
1-4 to 1-5	SUMMARY OF QUANTITIES
1-6	GENERAL NOTES
1-7	ENVIRONMENTAL COMMITMENTS
1-8	SOUTH LIMIT OF ARCHEOLOGICAL MONITORING
<b>SUBTOTAL: 8</b>	
<b>2-SHEETS</b>	
<b>TYPICALS/QUANTITIES/MISCELLANEOUS DETAILS</b>	
2-1	PASADA SAN JUAN TYPICAL SECTIONS
2-2	RIVER TRAIL TYPICAL SECTIONS
2-3	CONNECTOR TRAIL TYPICAL SECTIONS
2-4	SILER ROAD AND TRAILHEAD TYPICAL SECTIONS
2-5	SANTA FE RIVER CHANNEL GRADING
2-6	SURFACING SCHEDULE
2-7	ESTIMATED STRUCTURE QUANTITIES
2-8 to 2-9	MISCELLANEOUS QUANTITIES
2-10 to 2-12	GEOMETRIC LAYOUT CURB RAMPS
2-13	RIGHT-OF-WAY FENCING
2-14 to 2-23	GRADING PLANS
2-24 to 2-27	DRAINAGE DETAILS
2-28 to 2-30	REMOVALS PLANS
2-31 to 2-50	SANTA FE RIVER CHANNEL STRUCTURE SHEETS
2-51 to 2-65	SANTA FE RIVER BANK STRUCTURE SHEETS
2-66 to 2-67	SANTA FE RIVER CHANNEL GRADING
2-68 to 2-69	SANTA FE RIVER CHANNEL DETAILS
2-70 to 2-75	SANTA FE RIVER CHANNEL CROSS SECTIONS
2-76 to 2-82	SANTA FE RIVER STAGING AND ACCESS POTENTIAL ALTERNATIVES PLAN
<b>SUBTOTAL: 82</b>	
<b>3-SHEETS</b>	
<b>PLAN AND PROFILES</b>	
3-00	HORIZONTAL LAYOUT
3-1 to 3-7	SANTA FE RIVER PLAN AND PROFILE
3-8 to 3-11	PASADA SAN JUAN PLAN AND PROFILE
3-12 to 3-21	RIVER TRAIL PLAN AND PROFILE
3-22	TRAILHEAD PLAN AND PROFILE
3-23	SANTA FE RIVER CROSSING PLAN AND PROFILE
3-24 to 3-25	BID ALT. #1 BRIDGE AND CONNECTOR TRAIL PLAN AND PROFILE
<b>SUBTOTAL: 26</b>	
<b>4-SHEETS</b>	
<b>TURNOUT PROFILES</b>	
4-1 TO 4-2	TURNOUT PROFILES
<b>SUBTOTAL: 2</b>	
<b>5-SHEETS</b>	
<b>BRIDGE</b>	
5-1	BID ALT. #1 PEDESTRIAN BRIDGE GENERAL NOTES
5-2	BID ALT. #1 PEDESTRIAN BRIDGE STRUCTURE LOCATION PLAN
5-3	BID ALT. #1 PEDESTRIAN BRIDGE PLAN AND PROFILE
5-4	BID ALT. #1 PEDESTRIAN BRIDGE TRANSVERSE SECTION
5-5	BID ALT. #1 PEDESTRIAN BRIDGE DRILLED SHAFT DETAILS
5-6	BID ALT. #1 PEDESTRIAN BRIDGE ABUTMENT No. 1 PLAN AND ELEV.
5-7	BID ALT. #1 PEDESTRIAN BRIDGE ABUTMENT No. 2 PLAN AND ELEV.
5-8	BID ALT. #1 PEDESTRIAN BRIDGE ABUTMENT No. 1 WINGWALLS
5-9	BID ALT. #1 PEDESTRIAN BRIDGE ABUTMENT No. 2 WINGWALLS
5-10	BID ALT. #1 PEDESTRIAN BRIDGE MISCELLANEOUS DETAILS
5-11	BID ALT. #1 PEDESTRIAN BRIDGE EXCAVATION AND BACKFILL DETAILS
5-12	BID ALT. #1 RETAINING WALL 1 PLAN AND PROFILE
5-13	BID ALT. #1 RETAINING WALL 2 PLAN AND PROFILE
5-14	BID ALT. #1 RETAINING WALL 3 PLAN AND PROFILE
5-15	BID ALT. #1 PEDESTRIAN BRIDGE REINFORCING BAR SCHEDULE
<b>SUBTOTAL: 15</b>	

NUMBER	DESCRIPTION
<b>6-SHEETS</b>	
<b>CONSTRUCTION SIGNING</b>	
6-1	TRAFFIC CONTROL SUGGESTED SEQUENCE OF CONSTRUCTION
6-2 to 6-3	TRAFFIC CONTROL QUANTITIES
6-4	TRAFFIC CONTROL SAN YSIDRO CROSSING
6-5	TRAFFIC CONTROL AGUA FRIA STREET
6-6 to 6-7	TRAFFIC CONTROL SILER ROAD
6-8	TRAFFIC CONTROL PHASE II-A LEFT LANE CLOSURE
6-9	TRAFFIC CONTROL PHASE II-B RIGHT LANE CLOSURE
6-10	TRAFFIC CONTROL PHASE III
<b>SUBTOTAL: 10</b>	
<b>7-SHEETS</b>	
<b>PERMANENT SIGNING/STRIPING</b>	
7-1	PERMANENT SIGNING AND STRIPING NOTES
7-2 to 7-3	PERMANENT SIGNING AND STRIPING QUANTITIES
7-4 to 7-9	PERMANENT SIGNING AND STRIPING PLANS
7-10	PERMANENT SIGNING AND STRIPING PLANS (BID ALT. #1)
<b>SUBTOTAL: 10</b>	
<b>8-SHEETS</b>	
<b>LIGHTING</b>	
8-1	SILER ROAD LIGHTING PLAN
<b>SUBTOTAL: 1</b>	
<b>9-SHEETS</b>	
<b>SIGNALIZATION (NOT USED)</b>	
<b>SUBTOTAL: 0</b>	
<b>10-SHEETS</b>	
<b>STRUCTURE PLACEMENT</b>	
10-1 to 10-7	STRUCTURE PLACEMENT SECTIONS
<b>SUBTOTAL: 7</b>	
<b>11-SHEETS</b>	
<b>UTILITIES</b>	
11-1 to 11-7	EXISTING UTILITIES PLAN
11-8	SANITARY SEWER NOTES AND SCHEDULES
11-9 to 11-10	SANITARY SEWER PLAN
11-11 to 11-12	CITY OF SANTA FE SANITARY SEWER STANDARD CONSTRUCTION DETAILS
<b>SUBTOTAL: 12</b>	
<b>12-SHEETS</b>	
<b>ITS (NOT USED)</b>	
<b>SUBTOTAL: 0</b>	
<b>13-SHEETS</b>	
<b>LANDSCAPING</b>	
13-1	GENERAL NOTES & LANDSCAPE SCHEDULE
13-2 to 13-5	LANDSCAPE PRESERVATION PLAN
13-6 to 13-14	LANDSCAPE PLANS
13-15 to 13-22	SIGNAGE PLAN
13-23 to 13-24	PLANTING DETAILS
13-25	SITE DETAILS
<b>SUBTOTAL: 25</b>	
<b>14-SHEETS</b>	
<b>CROSS SECTIONS</b>	
14-1	CROSS SECTION COVER SHEET
14-2 to 14-15	PASADA SAN JUAN CROSS SECTIONS
14-16 to 14-49	RIVER TRAIL CROSS SECTIONS
14-50 to 14-64	BID ALT. #1 BRIDGE AND CONNECTOR TRAIL CROSS SECTIONS
<b>SUBTOTAL: 64</b>	
<b>TOTAL SHEETS: 262</b>	



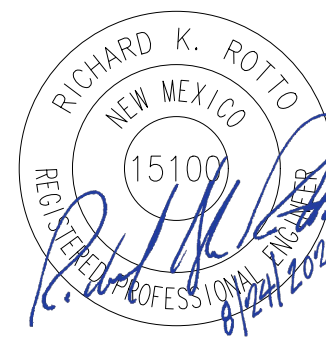
**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 INDEX OF SHEETS

**SHEET NUMBER**  
 1 - 3

**SUMMARY OF QUANTITIES**

ITEM #	DESCRIPTION	UNIT	BASE BID										BID ALT. #1						BASE BID + BID ALT. #1 TOTAL	
			ROADWAY		RIVER TRAIL		DRAINAGE		RIVER CHANNEL		BASE BID TOTAL		CONNECTOR TRAIL		BRIDGE		BID ALT. #1 TOTAL		ESTIMATE	FINAL
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL		
107000	ENVIRONMENTAL COMMITMENTS	LS	LS									LS						LS		
201000	CLEARING AND GRUBBING	LS	LS									LS						LS		
203000	UNCLASSIFIED EXCAVATION	C.Y.	7,679		1,221				8,650		17,550		600				600	18,150		
203011	ENVIRONMENTAL CONSTRUCTION MONITORING	LS	LS								LS						LS	LS		
203100	BORROW	C.Y.	-87		9,887						9,800		1,200				1,200	11,000		
203211	UNSTABLE SUBGRADE STABILIZATION	S.Y.	362		488						850		70				70	920		
206100	SELECT BACKFILL MATERIAL	C.Y.					30				30						0	30		
207000	SUBGRADE PREPARATION	S.Y.	7,196		9,704						16,900		1,400				1,400	18,300		
210002	MAJOR STRUCTURE EXCAVATION	C.Y.									0		350	122			472	472		
210003	MAJOR STRUCTURE BACKFILL	C.Y.									0		310	182			492	492		
303000	BASE COURSE	TON	2,180		1,960						4,140		200				200	4,340		
408100	PRIME COAT MATERIAL	TON	13								13						0	13		
411000	HOT POURED CRACK SEALING	LB									0			20			20	20		
416204	MINOR PAVING TYPE II, HMA SP-IV	TON	1,040								1,040						0	1,040		
451060	CONCRETE PAVEMENT-6"	S.Y.			5,420						5,420		820				820	6,240		
502030	DRILLED SHAFT FOUNDATION 30" DIAMETER	L.F.	24								24						0	24		
502042	DRILLED SHAFT FOUNDATION 42" DIAMETER	L.F.									0			180			180	180		
502600	OBSTRUCTION REMOVAL	L.F.									0			8			8	8		
505000	CROSSHOLE SONIC LOGGING CONSULTANT TESTING	EACH									0			4			4	4		
505011	LOW STRAIN INTEGRITY CONSULTANT TESTING	EACH									0			2			2	2		
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.									0		200	54			254	254		
511030	STRUCTURAL CONCRETE, CLASS AA	C.Y.									0			33			33	33		
516000	FLOWABLE FILL	C.Y.					10				10						0	10		
540060	REINFORCING BARS GRADE 60	LB	596								596		17,560	23,600			41,160	41,756		
540061	GALVANIZED BARS GRADE 60	LB									0			6,400			6,400	6,400		
541405	PREFAB PEDESTRIAN BRIDGE	LS									0			LS			LS	LS		
543100	METAL RAILING, PEDESTRIAN	L.F.									0			81			81	81		
543150	METAL RAILING, VEHICLE BARRIER	L.F.	544								544						0	544		
570018	18" CULVERT PIPE	L.F.									0		18				18	18		
570019	18" CULVERT PIPE END SECTION	EACH									0		1				1	1		
570024	24" CULVERT PIPE	L.F.				590					590						0	590		
570025	24" CULVERT PIPE END SECTION	EACH				13					13						0	13		
570030	30" CULVERT PIPE	L.F.				26					26						0	26		
570031	30" CULVERT PIPE END SECTION	EACH				2					2						0	2		
570036	36" CULVERT PIPE	L.F.				78					78						0	78		
570465	36" STORM DRAIN CULVERT PIPE END SECTION	EACH				2					2						0	2		
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	LS						LS		LS						LS	LS		
602000	RIPRAP CLASS A	C.Y.									0		3				3	3		
602005	RIPRAP CLASS A (NON-ENCLOSED)	C.Y.				1,110					1,110		50				50	1,160		
602010	RIPRAP CLASS B	C.Y.				70			50		120						0	120		
602011	SELECT BACKFILL	C.Y.							7,900		7,900						0	7,900		
602030	RIPRAP CLASS D	C.Y.				40			1,150		1,190						0	1,190		
602031	RIPRAP CLASS 7	C.Y.							2,200		2,200						0	2,200		
602032	STRUCTURE BOULDER & HABITAT BOULDER	C.Y.							7,200		7,200						0	7,200		
603050	CLEAN WATER ACT COMPLIANCE WORK PLAN	ALLOW	ALLOW								ALLOW						ALLOW	ALLOW		
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LS	LS								LS						LS	LS		
604002	GEOTEXTILE CLASS 2	S.Y.							5,300		5,300						0	5,300		
607004	BARBED WIRE FENCE 4'	L.F.	850								850						0	850		
607079	PEDESTRIAN/BICYCLE RAILING	L.F.			820						820		341				341	1,161		
608004	CONCRETE SIDEWALK 4"	S.Y.	300								300		40				40	340		
608404	CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)	S.Y.	40								40		0				0	40		
609200	HEADER CURB	L.F.	1,920								1,920		20				20	1,940		
609418	CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X18"	L.F.	140								140		40				40	180		
609424	CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X24"	L.F.	3,340								3,340						0	3,340		
609636	CONCRETE VALLEY GUTTER 6" X 36"	L.F.	80								80						0	80		
618000	TRAFFIC CONTROL MANAGEMENT	LS	LS								LS						LS	LS		
623000	MEDIAN DROP INLET TYPE I (URBAN) H=0'0" TO 3'0"	EACH						2			2						0	2		
623001	MEDIAN DROP INLET TYPE I (URBAN) H=3'1" TO 6'0"	EACH						2			2						0	2		



**PROJECT**  
**SANTA FE RIVER GREENWAY PROJECT (SECTION B)**

**CLIENT**  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**

357-7708

**SHEET TITLE**

SUMMARY OF QUANTITIES

**SHEET NUMBER**

1 - 4



**SUMMARY OF QUANTITIES**

ITEM #	DESCRIPTION	UNIT	BASE BID										BID ALT. #1						BASE BID + BID ALT. #1 TOTAL	
			ROADWAY		RIVER TRAIL		DRAINAGE		RIVER CHANNEL		BASE BID TOTAL		CONNECTOR TRAIL		BRIDGE		BID ALT. #1 TOTAL		ESTIMATE	FINAL
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL		
623004	MEDIAN DROP INLET TYPE I (URBAN) H=6"1" TO 9"0"	EACH					1				1						0		1	
623044	MODIFIED MEDIAN DROP INLET TYPE I (VALLEY/URBAN) H=0"0" TO 3"0"	EACH									0			1			1		1	
623332	CURB DROP INLET TYPE II-B, OVER 4'	EACH					1				1						0		1	
662300	MANHOLE EXTENSION	EACH			8						8						0		8	
663049	PRECONSTRUCTION UTILITY SURVEY	LS	LS								LS						LS		LS	
664000	LANDSCAPE, COMPLETE	LS					LS				LS						LS		LS	
667500	BOLLARD	EACH			2						2		3				3		5	
667530	CONCRETE PARKING BARRIER	EACH			14						14						0		14	
701000	PANEL SIGNS	S.F.	110								110		20				20		130	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	L.F.	325								325		60				60		385	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	LS								LS						LS		LS	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4"	L.F.	8,460								8,460						0		8,460	
704704	HOT THERMOPLASTIC PAVEMENT MARKING 24"	L.F.	154								154		22				22		176	
704706	HOT THERMOPLASTIC PAVEMENT MARKINGS 12"	L.F.									0		134				134		134	
704724	HOT THERMOPLASTIC PAVEMENT MARKING WORD (XING)	EACH	4								4						0		4	
704732	HOT THERMOPLASTIC PAVEMENT MARKING BIKE SYMBOL (BIKEWAY)	EACH	4								4						0		4	
704733	HOT THERMOPLASTIC PAVEMENT MARKING HANDICAPPED SYMBOL	EACH	2								2						0		2	
707530	TYPE V STANDARD, 30'	EACH	4								4						0		4	
709020	RIGID ELECTRICAL CONDUIT 2" (DIA)	L.F.	650								650						0		650	
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	6								6						0		6	
711106	SINGLE CONDUCTOR 6	L.F.	3,300								3,300						0		3,300	
716701	LED ROADWAY LUMINAIRE	EACH	4								4						0		4	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS	LS								LS						LS		LS	
802000	POST CONSTRUCTION PLANS	LS	LS								LS						LS		LS	



**PROJECT**  
**SANTA FE RIVER GREENWAY PROJECT (SECTION B)**

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**REGISTRATION**



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357-7708

**SHEET TITLE**

SUMMARY OF QUANTITIES

**SHEET NUMBER**

1 - 5

**GENERAL NOTES**

- PROTECTION OF SURVEY MONUMENTS AND PROPERTY CORNERS: THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARK) AND PROPERTY CORNERS FROM DAMAGE. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE "GEODETIC MARK PRESERVATION GUIDEBOOK", NATIONAL GEODETIC SURVEY, MARCH 1990, AT CONTRACTORS EXPENSE. CONTACT: NGS MARK PRESERVATION CENTER - NOAA, TELEPHONE (505) 768-3606.
- REMOVALS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THIS PROJECT. IF ADDITIONAL REMOVALS NOT LISTED IN PLANS ARE NECESSARY TO COMPLETE THIS PROJECT, THE WORK AND COSTS ASSOCIATED WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- POST CONSTRUCTION PLANS: THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THIS PROJECT. THESE PLANS SHALL BE KEPT CURRENT AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE P.M. FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT, IN ELECTRONIC FORMAT.
- SPECIFICATIONS: THE NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION, WILL GOVERN THE CONSTRUCTION OF THIS PROJECT.
- PUBLIC NOTIFICATIONS OF ROAD AND LANE CLOSURES: THE CONTRACTOR SHALL KEEP THE COUNTY'S PROJECT MANAGER AND THE LOCAL MEDIA INFORMED OF LANE CLOSURES THAT WILL RESTRICT THE NORMAL FLOW OF TRAFFIC. NOTICE OF LANE CLOSURES OF OTHER IMPACTS TO NORMAL TRAFFIC FLOW SHALL BE PROVIDED AT LEAST ONE (1) WEEK PRIOR TO SUCH CLOSURES OR IMPACTS. THIS WORK WILL BE CONSIDERED AS INCLUDED IN "ITEM 618000 - TRAFFIC CONTROL MANAGEMENT" AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- PAVEMENT TRANSITIONS: WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAW-CUT EXISTING PAVEMENT TO A NEAR VERTICAL CUT, OR AS APPROVED BY THE PROJECT MANAGER. THE COST OF SAW CUTTINGS SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- CPM SCHEDULE: THE CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER A CRITICAL PATH PROJECT SCHEDULE TWO (2) WEEKS PRIOR TO THE PRECONSTRUCTION CONFERENCE. THE CRITICAL PATH PROJECT SCHEDULE IS TO INCLUDE LOGIC POINTS, OR PRODUCTION LEVELS, USED IN ITS DEVELOPMENT. THE SCHEDULE SHALL BE UPDATED MONTHLY OR AS REQUIRED BY THE PROJECT MANAGER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- MINOR PAVING: MATERIALS AND CONSTRUCTION REQUIREMENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 416, OF THE LATEST NMDOT SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION. MINOR PAVING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. THE UNIT PRICE SHALL INCLUDE ALL MATERIAL INCLUDING AGGREGATE, BITUMINOUS MATERIALS, HYDRATED LIME, MIXING, HAULING, PLACEMENT AND COMPACTION, AS WELL AS PRIME COAT MATERIAL AND BITUMINOUS MATERIAL FOR TACK COAT.
- ESTIMATED QUANTITIES: ALL QUANTITIES SCHEDULED IN THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. PAYMENT AND MEASUREMENT OF QUANTITIES SHALL BE DONE IN ACCORDANCE WITH SECTION 109 - MEASUREMENT AND PAYMENT OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION, 2019 EDITION.
- EQUIPMENT & MATERIAL STORAGE: THE CONTRACTOR SHALL NOT STORE EQUIPMENT WITHIN THE PUBLIC RIGHT OF WAY, UNLESS APPROVED BY THE PROJECT MANAGER AT A DESIGNATED LOCATION.
- CONSTRUCTION YARD: THE CONTRACTOR SHALL PROVIDE AT THE CONTRACTOR'S OWN EXPENSE AND WITHOUT LIABILITY TO THE OWNER ANY ADDITIONAL LAND AND ACCESS THERETO THAT THE CONTRACTOR MAY DESIRE FOR TEMPORARY STAGING AREA OR YARD FOR STORAGE OF EQUIPMENT AND MATERIALS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR COUNTY ENVIRONMENTAL & ARCHEOLOGICAL CLEARANCES, TAXES AND FEES. CLEAN UP SHALL ALSO BE PART OF THE CONTRACTORS SITE. BEST MANAGEMENT PRACTICES (BMPs) SHALL APPLY TO ANY SUCH AREAS OR YARDS UTILIZED FOR THE PROJECT.
- DISPOSAL OF VARIOUS MATERIAL: THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF MATERIAL (i.e. ASPHALT, CONCRETE, VEGETATION, UNSTABLE EARTH, METAL & OTHER DEBRIS) REMOVED ON THE PROJECT BY HAULING IT TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LANDFILL DUMPING FEES & HAULING INVOLVED AND THIS WORK SHALL BE CONSIDERED INCLUDED IN "ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- VERIFYING EXISTING: THE CONTRACTOR SHALL FIELD VERIFY ALL CONSTRUCTION CENTERLINES AND EXISTING GROUND LINE PROFILES PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL UTILIZE THE FIELD VERIFICATION DATA TO ADJUST THE PROPOSED HORIZONTAL AND VERTICAL ALIGNMENTS TO BETTER FIT THE EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL SUBMIT PROPOSED MODIFICATIONS TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE WORK AND COSTS ASSOCIATED WITH VERIFYING EXISTING SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM NO. 801000 - CONSTRUCTION STAKING BY THE CONTRACTOR AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS, DIMENSIONS, AND RIGHT-OF-WAY PRIOR TO THE BEGINNING OF CONSTRUCTION. THE ELEVATIONS WERE BASED ON AS-BUILT AND FIELD SURVEY DATA. THE CONTRACTOR SHALL LIMIT ALL WORK ON THIS PROJECT TO WITHIN THE EXISTING RIGHT-OF-WAY OR PUBLIC EASEMENTS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 801000 - CONSTRUCTION STAKING BY THE CONTRACTOR.
- WEEKLY PROJECT MEETING: THE CONTRACTOR SHALL COORDINATE AND CONDUCT A WEEKLY PROJECT MEETING DURING CONSTRUCTION, IN COORDINATION WITH THE PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MEETING LOCATION AND SHALL INVITE APPROPRIATE COUNTY STAFF & UTILITY COMPANY REPRESENTATIVES. THE COST ASSOCIATED WITH THESE WEEKLY MEETINGS SHALL BE CONSIDERED INCLUDED IN "ITEM 621000 - MOBILIZATION" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- CONSTRUCTION WATER: SANTA FE COUNTY MAY PROHIBIT THE USE OF POTABLE WATER (FROM FIRE HYDRANTS) FOR CONSTRUCTION AND THE CONTRACTOR MAY BE REQUIRED TO USE RECLAIMED OR EFFLUENT WATER. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO SECURE AND SUPPLY WATER FOR THE PROJECT. THE COST WILL BE INCLUDED IN "ITEM 621000 - MOBILIZATION" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- "R" VALUE: THE DESIGN "R" VALUE FOR THIS PROJECT IS 26. MATERIAL WITH AN "R" VALUE LESS THAN THE DESIGN "R" VALUE SHALL NOT BE PLACED IN OR BE ALLOWED TO REMAIN WITHIN THE TOP TWO (2) FEET OF THE FINISHED SUBGRADE.

- WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS.
- HANDLING OF MATERIAL: THE CONTRACTOR MAY BE REQUIRED TO DOUBLE HANDLE MATERIAL NEEDED FOR THE PROJECT. THE COST ASSOCIATED TO DOUBLE HANDLE SUCH MATERIAL SHALL BE CONSIDERED INCLUDED IN THE MAIN ITEM AND NO FURTHER MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- NMDOT "STANDARD DRAWINGS" MAY BE FOUND AT THE FOLLOWING INTERNET ADDRESS: <https://www.dot.nm.gov/infrastructure/plans-specifications-estimates-pse-bureau/standards/>
- NMDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION" MAY BE FOUND AT THE FOLLOWING INTERNET ADDRESS: <https://www.dot.nm.gov/infrastructure/plans-specifications-estimates-pse-bureau/standards/>
- A SANTA FE COUNTY EXCAVATION / RESTORATION PERMIT IS REQUIRED FOR THIS PROJECT; HOWEVER, SANTA FE COUNTY WILL WAIVE THE PERMIT FEE, BUT THE CONTRACTOR SHALL OBTAIN AND ABIDE BY IT. CONTACT JULIAN GUTIERREZ AT SANTA FE COUNTY TRAFFIC DEPARTMENT FOR ADDITIONAL INFORMATION AND DETAILS (505) 992-9339.
- NO CONSTRUCTION OR ROUTINE MAINTENANCE ACTIVITIES SHALL BE PERFORMED DURING PERIODS WHEN THE SOIL IS TOO WET TO ADEQUATELY SUPPORT CONSTRUCTION EQUIPMENT. IF SUCH EQUIPMENT CREATES RUT IN EXCESS OF 6 INCHES DEEP, THE SOIL SHALL BE DEEMED TOO WET TO ADEQUATELY SUPPORT CONSTRUCTION EQUIPMENT.
- ALL EQUIPMENT UTILIZED WITHIN THE RIGHT-OF-WAY WILL BE CLEANSED OF MUD AND DIRT TO AVOID THE TRANSFER OF NOXIOUS WEED SEEDS. PROVIDE TRACK OUT CONTROL MATS/GRIDS AT ACCESS POINT TO CITY AND COUNTY ROADS. THE COST ASSOCIATED WITH THIS WORK SHALL BE CONSIDERED INCLUDED IN "ITEM No. 603281 - SWPPP PLAN PREPARATION AND MAINTENANCE" AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.
- THE CONTRACTOR SHALL IDENTIFY THEIR BORROW SOURCE AND SECURE ALL PERMITS AND ENVIRONMENTAL CLEARANCES REQUIRED BY ALL APPLICABLE SPECIFICATIONS PRIOR TO THE PRECONSTRUCTION CONFERENCE. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE OWNER'S PROJECT REPRESENTATIVE AT LEAST ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE.
- STORMWATER MANAGEMENT AND STORMWATER DIVERSION DURING CONSTRUCTION SHALL BE PERFORMED BY THE CONTRACTOR. ALL WORK ASSOCIATED WITH STORMWATER MANAGEMENT AND STORMWATER DIVERSION DURING CONSTRUCTION SHALL BE INCLUDED IN "ITEM 603281 - SWPPP PLAN PREPARATION AND MAINTENANCE" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- THE COST FOR REINFORCEMENT SPECIFIED IN THE HEADER CURB SHALL BE INCLUDED IN "ITEM No. 609200 - HEADER CURB" AND NO FURTHER MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE. THE REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONTRACTION JOINTS AND DISCONTINUOUS AT EXPANSION JOINTS.



**PROJECT**  
**SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)**

**CLIENT**

**SANTA FE COUNTY**



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LANDSCAPE ARCHITECTURE  
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SUBSURFACE UTILITY ENGINEERING  
**COLLIERS ENGINEERING & DESIGN**  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
357-7708

**SHEET TITLE**  
GENERAL NOTES



**ENVIRONMENTAL COMMITMENTS:**

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE 2019 EDITION OF THE STANDARD SPECIFICATIONS, MAKING SPECIAL NOTE OF SUB-SECTION 107.14: CONTRACTOR'S RESPONSIBILITIES FOR ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION.

NO ADDITIONAL PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.

IN ADDITION TO SECTION 107, THE FOLLOWING PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY:

- 1. MIGRATORY BIRD TREATY ACT COMPLIANCE:** The Contractor shall comply with the Migratory Bird Treaty Act (MBTA) at all times. The Contractor shall remove vegetation outside the migratory bird nesting season (March 15-September 15). If any vegetation is removed during the migratory bird nesting season, the Contractor shall contact the Project Manager four weeks prior to the removal to request that the County conduct a migratory bird nest survey. Failure by the Contractor to timely request the migratory bird survey may impact the Contractor's construction schedule and no additional time or compensation will be granted. Following receipt of Notice to Proceed (NTP), the Contractor shall be responsible for maintaining nest-free conditions in construction-impacted areas from March 15 through September 15. As an alternative to on-going removal of unoccupied nests, the Contractor may propose to prevent migratory birds from nesting by implementing techniques such as netting. The contractor must show evidence of due diligence in maintaining nest-free conditions. If a nest becomes occupied (containing eggs and/or chicks) in a construction area, the contractor shall contact the project manager immediately. If nest avoidance is not feasible and removal/relocation must occur, related construction activities shall be suspended at the Contractor's expense while the process for nest relocation or removal is coordinated between the County and the USFWS. If the USFWS denies the relocation or removal permit request, Project suspension shall continue until after all young have left the nest as determined by the Project Manager through consultation with the County.
- 2. NOXIOUS WEEDS:** To avoid spread of noxious weeds, all prime and subcontractor construction equipment (including but not limited to trucks, excavators, bulldozers, loaders, scrapers, backhoes, trailers, tractors, hydro-seeders, drill seeders, straw-blasters, compost-spreaders, bobcats, and disks) shall be pressure-washed to remove all visible mud, soil, and debris prior to entering the project limits, as required by Section 107.14.10 of the NMDOT Standard Specifications for Highway and Bridge Construction.
- 3. 404/401 CERTIFICATION:** The project is authorized under the Clean Water Act (CWA) Section 404 Nationwide Permit (NWP) 27 and CWA Section 401 Water Quality Certification. The Contractor shall abide by all conditions of NWP 27 and 401 Certification and in the NMDOT Standard Specifications, Section 107.14.3 Clean Water Act.
- 4. CLEAN WATER ACT COMPLIANCE WORK PLAN:** Prior to commencement of construction, a Clean Water Act Compliance Work Plan (Hereafter referred to as the Plan) shall be developed by the Contractor, pursuant to special provision 603-A. The Contractor shall start developing the Plan within 10 calendar days of the Notice to Proceed by County and shall submit plan for approval at least 30 days prior to scheduled activities within or above the Santa Fe River channel. Construction activities shall not commence within or above the stream channel until the Contractor receives approval of the Plan from the Project Manager. The Plan shall include measures necessary to comply with the Clean Water Act Section 404 Permit and 401 Water Quality Certification conditions.
- 5. ARCHEOLOGICAL MONITORING AREAS:** An archaeological monitor, permitted by the State of New Mexico under 4.10.8.12 NMAC, General Archaeological Investigation Permits, is required to be present during any earth moving activity north of the indicated line. Earth moving activities that will require archaeological monitoring in this area during construction include: any mechanical stripping, grubbing, trenching or cutting. The archaeologist monitoring will identify and record cultural features or materials encountered in this area that may be associated with LA 1, "Pindi Pueblo"(National Register of Historic Places No. 07000950). Santa Fe County will provide the archeologist who will perform the archeological monitoring. Payment for the Contractor's activities to comply with the monitoring.



**PROJECT**

SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**

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**REGISTRATION**

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**

357-7708

**SHEET TITLE**

ENVIRONMENTAL COMMITMENTS

**SHEET NUMBER**

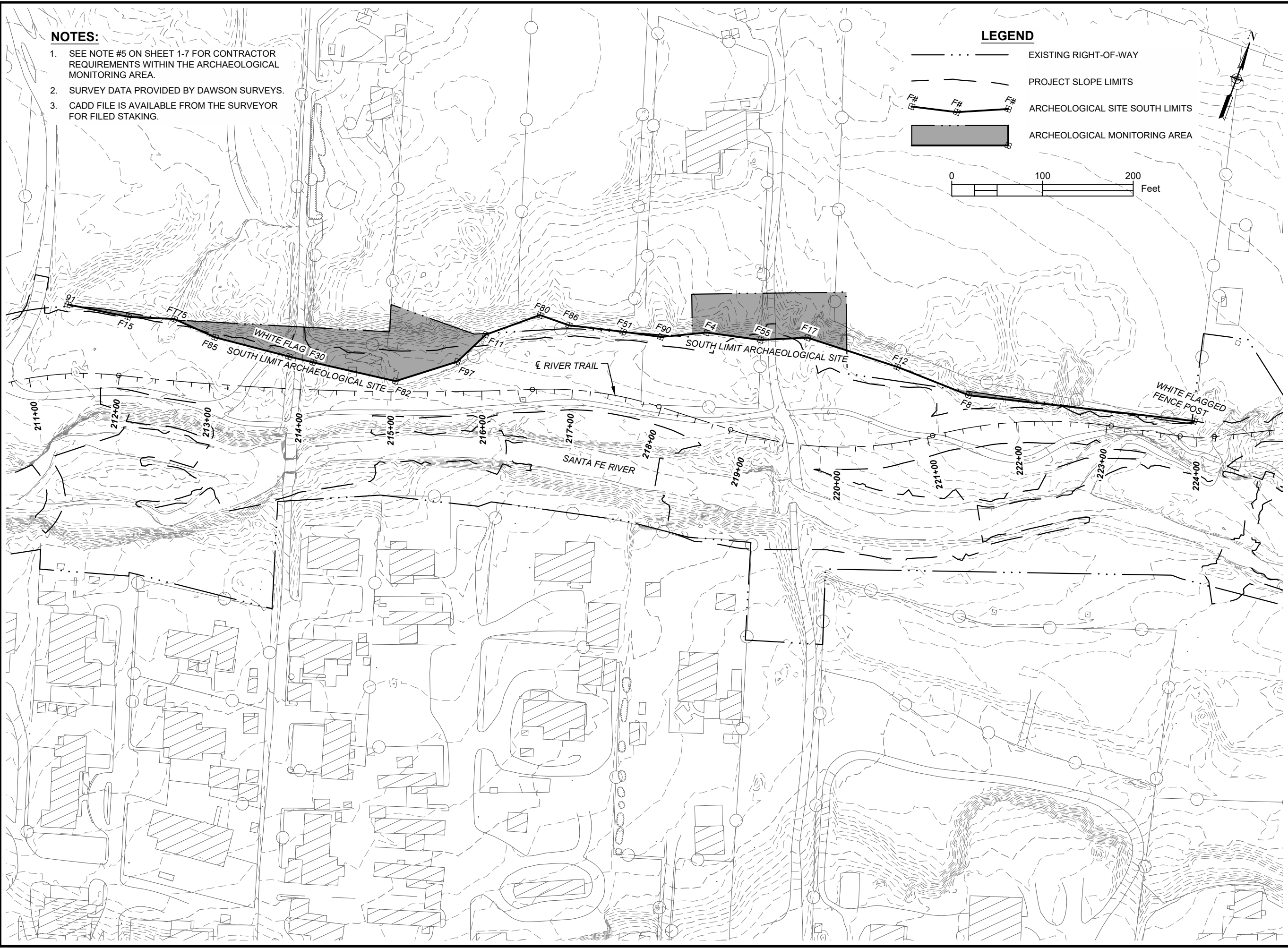
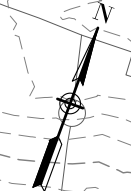
1 - 7

**NOTES:**

1. SEE NOTE #5 ON SHEET 1-7 FOR CONTRACTOR REQUIREMENTS WITHIN THE ARCHAEOLOGICAL MONITORING AREA.
2. SURVEY DATA PROVIDED BY DAWSON SURVEYS.
3. CADD FILE IS AVAILABLE FROM THE SURVEYOR FOR FILED STAKING.

**LEGEND**

- EXISTING RIGHT-OF-WAY
- - - PROJECT SLOPE LIMITS
- F# ARCHEOLOGICAL SITE SOUTH LIMITS
- █ ARCHEOLOGICAL MONITORING AREA



**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



LENGTH OF PROJECT					
STATION	to	STATION	FEET	MILES	REMARKS
400+14.46		419+03.22	1,888.76	0.358	PASADA SAN JUAN
196+72.28		245+18.92	4,846.64	0.918	RIVER TRAIL
300+05.00		308+50.64	845.64	0.160	CONNECTOR TRAIL
-2+68.28		-0+16.00	252.28	0.048	TRAILHEAD
TOTAL			7,833.32	1.484	

DESIGN DATA	
PASADA SAN JUAN	
DESIGN SPEED:	25 MPH
POSTED SPEED:	15 MPH
CLEAR ZONE:	7' - 10'
RIVER TRAIL/CONNECTOR TRAIL	
DESIGN SPEED:	10 MPH
POSTED SPEED:	N/A
CLEAR ZONE:	2' - 3'

MAJOR STRUCTURES	
STATION	DESCRIPTION
301+00.00	BRIDGE



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

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**REGISTRATION**



**ISSUE/REVISION**

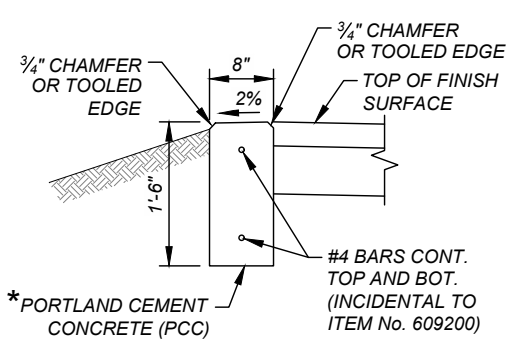
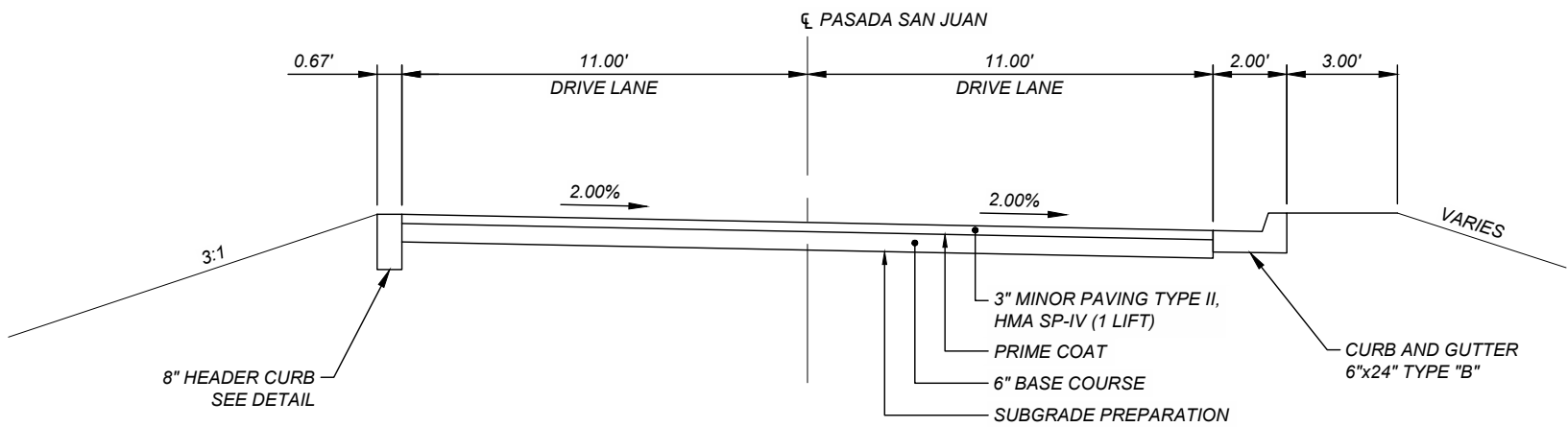
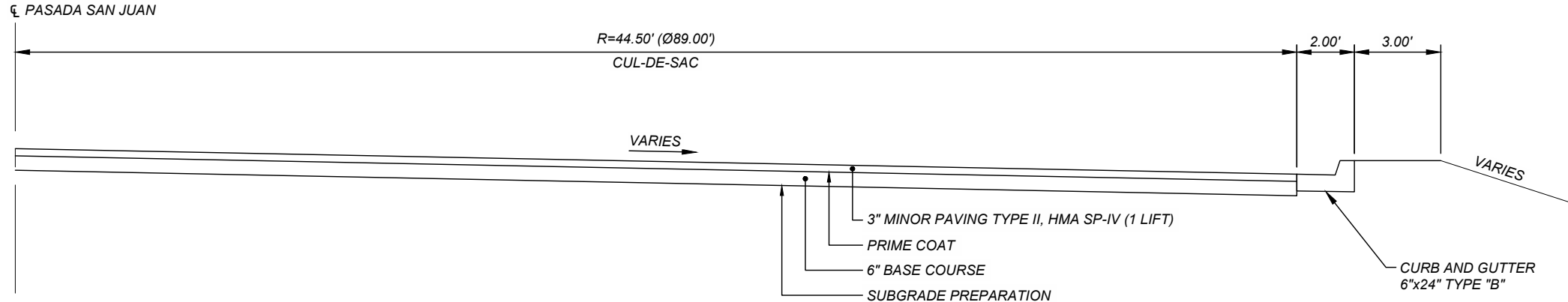
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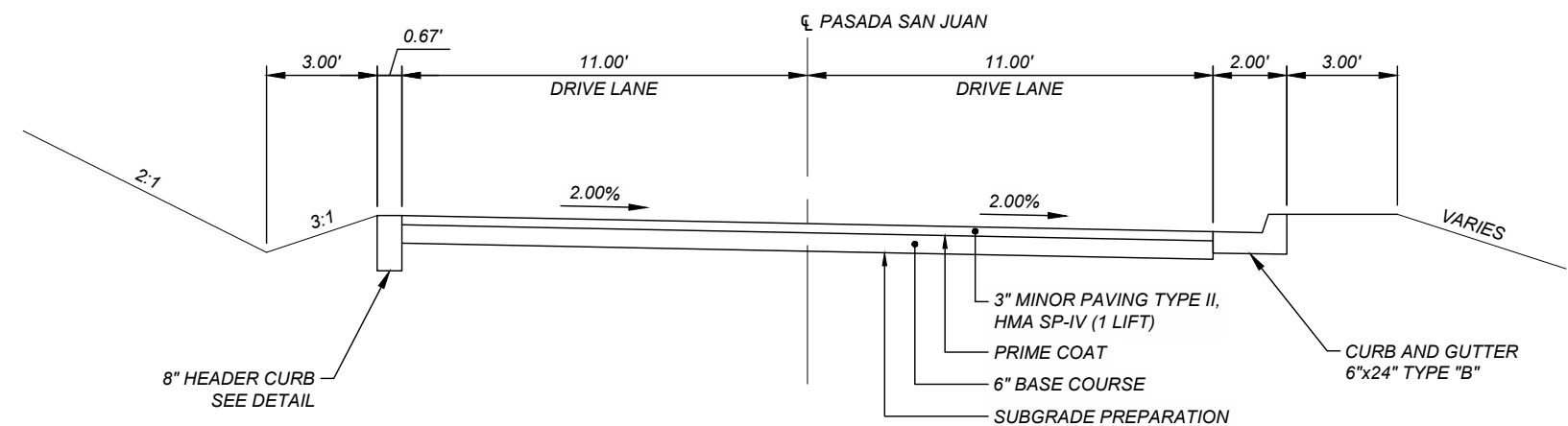
**PROJECT NUMBER**  
357-7708

**SHEET TITLE**  
PASADA SAN JUAN  
TYPICAL SECTIONS

**SHEET NUMBER**  
2 - 1



\* FOR TYPE OF PCC, REFER TO NMDOT STANDARD SPECIFICATION SECTION 609 - CURB AND GUTTER

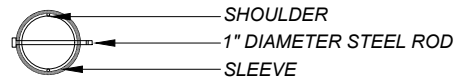
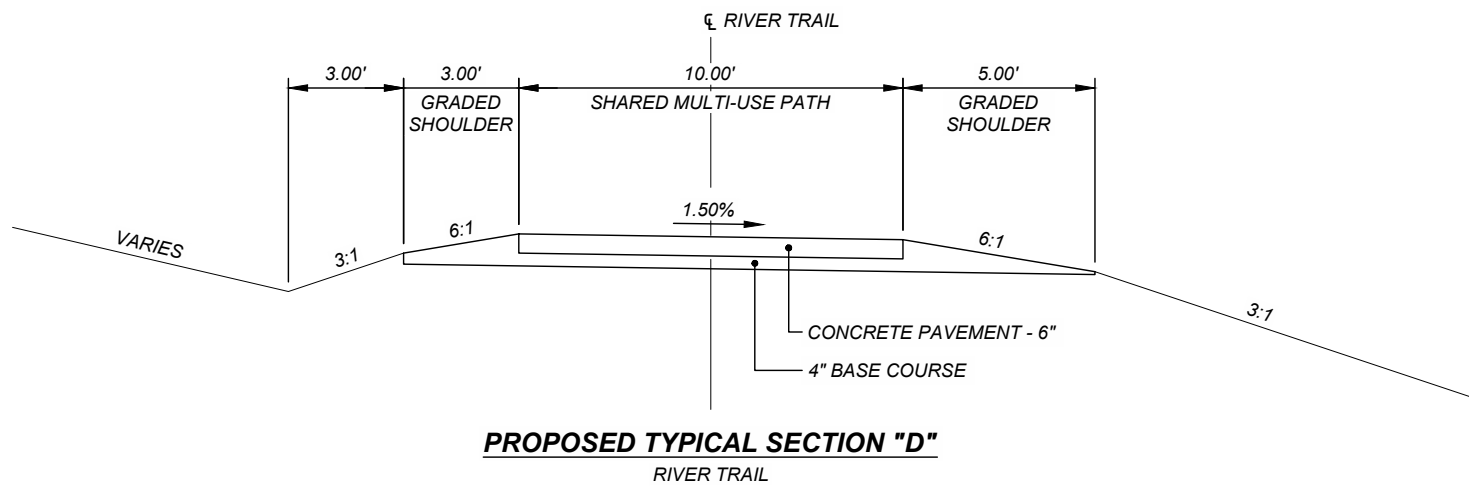
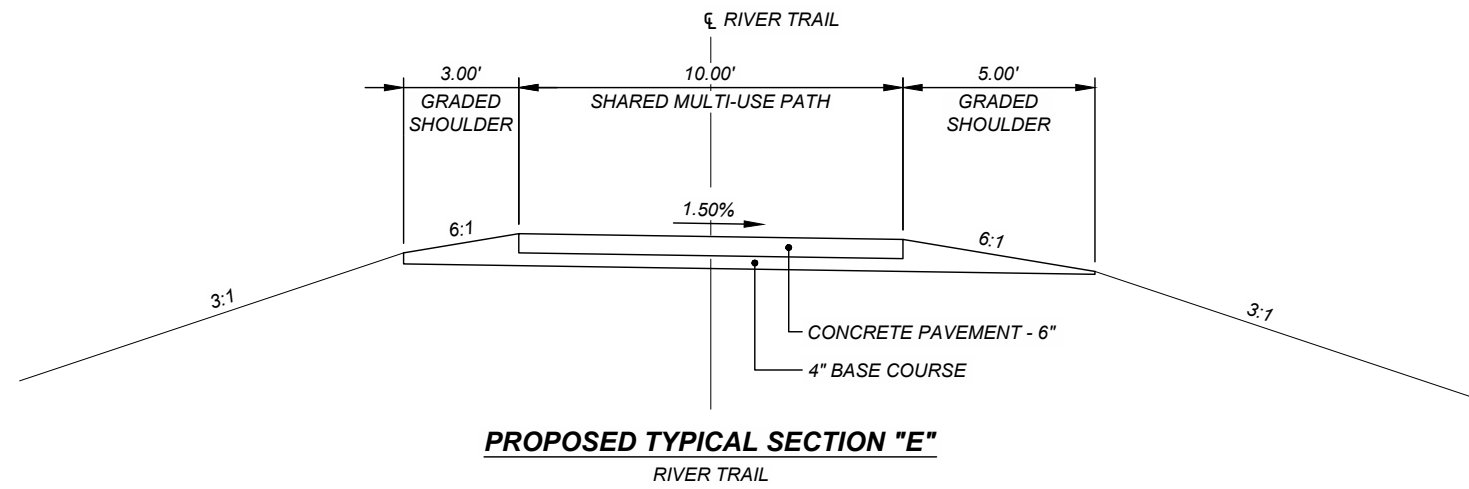
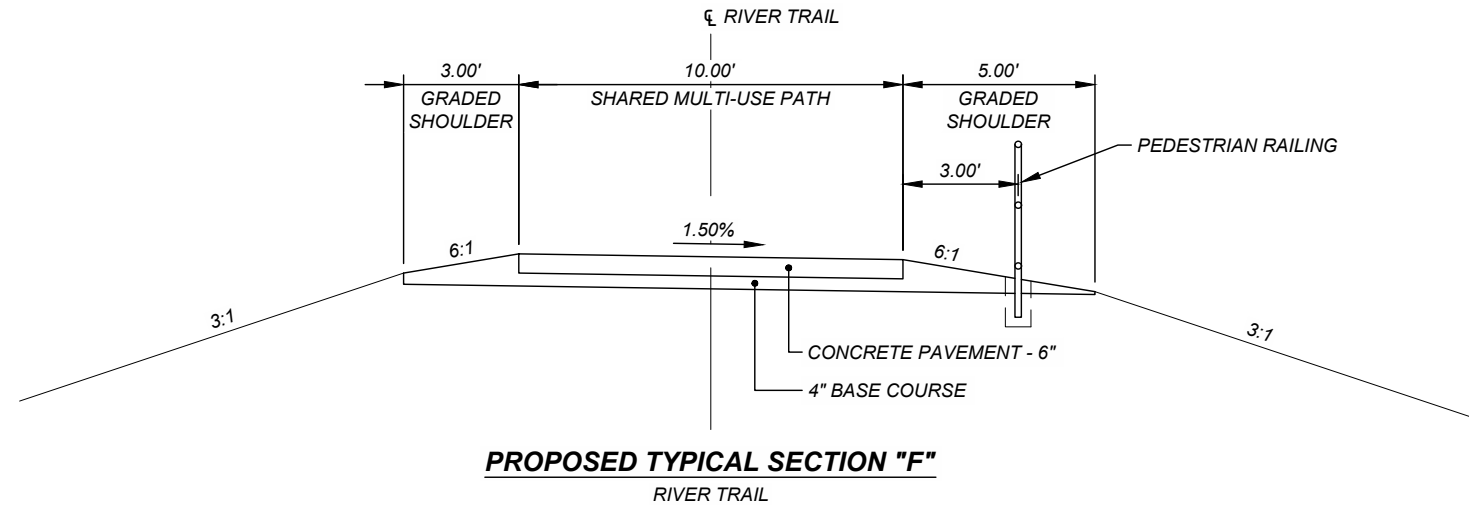




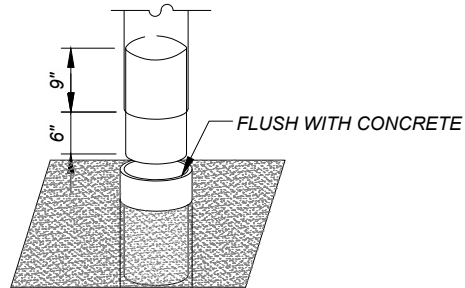
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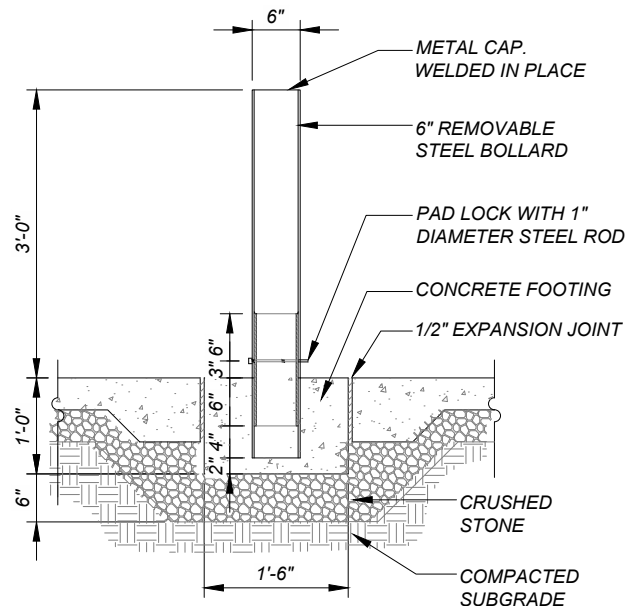
**KEY PLAN**



**NTS SECTION PLAN**

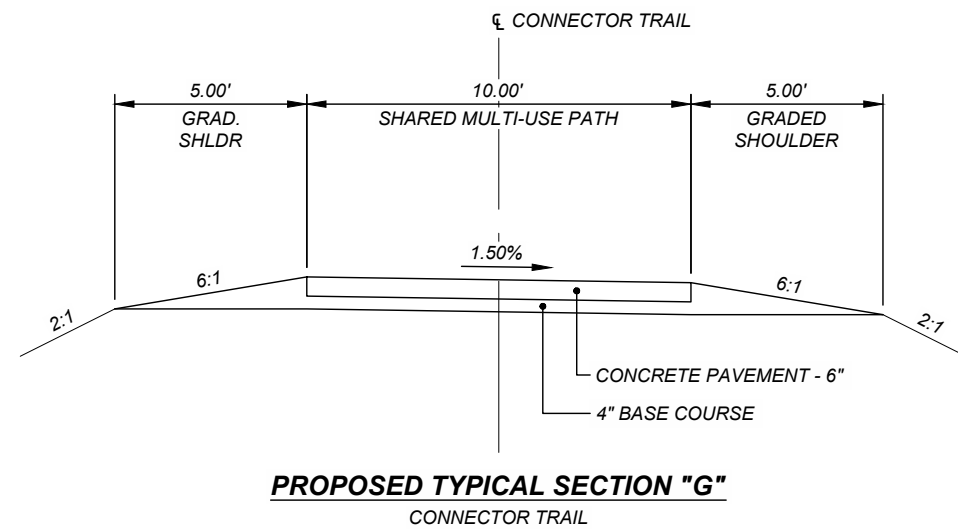
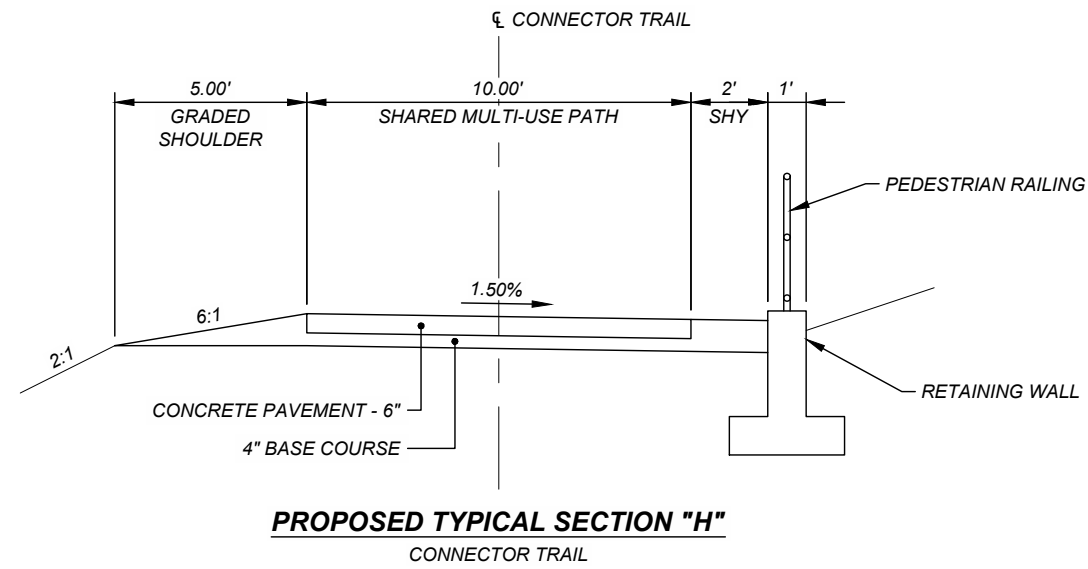
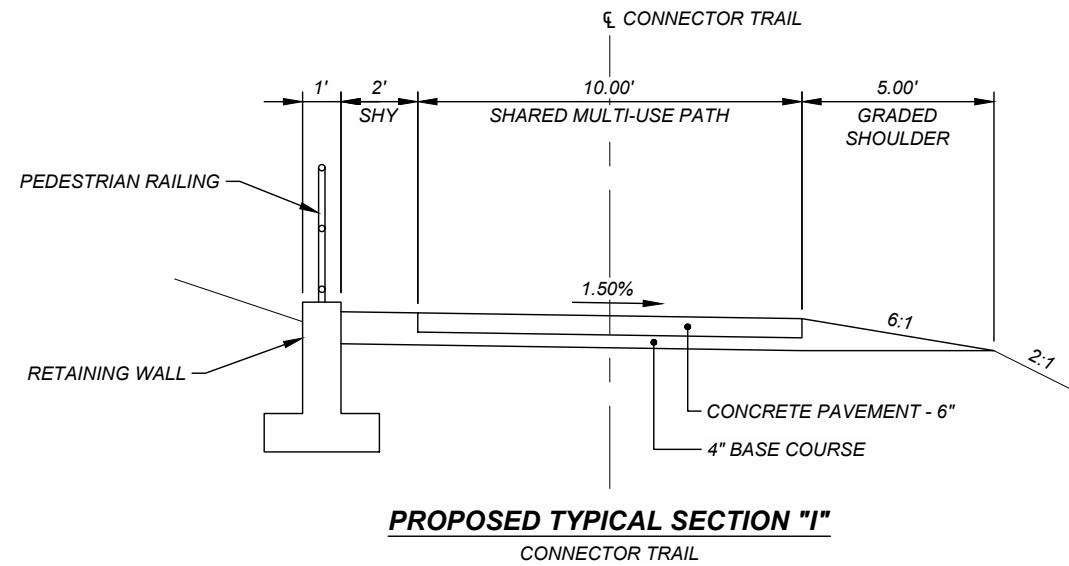


**NTS VIEW**



**REMOVEABLE PIPE BOLLARD**





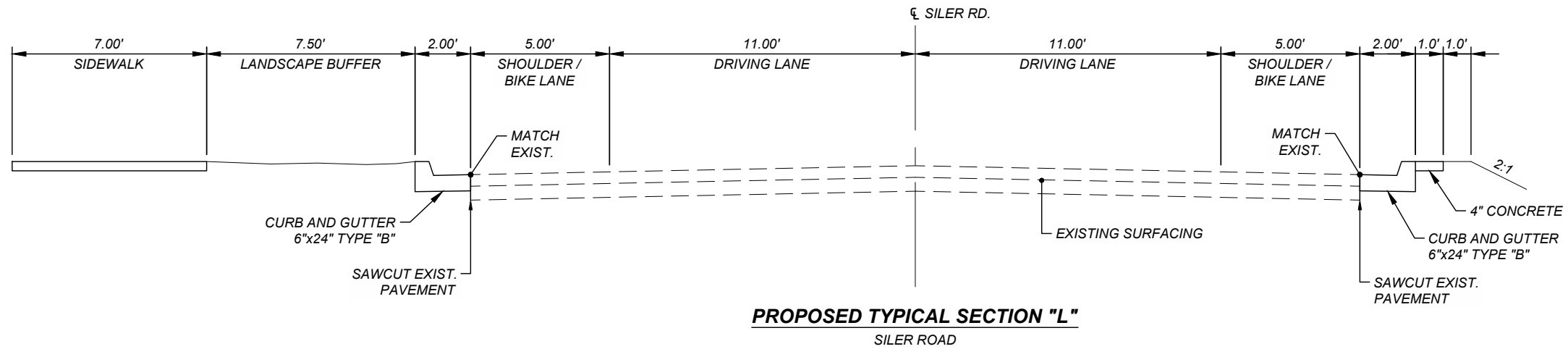
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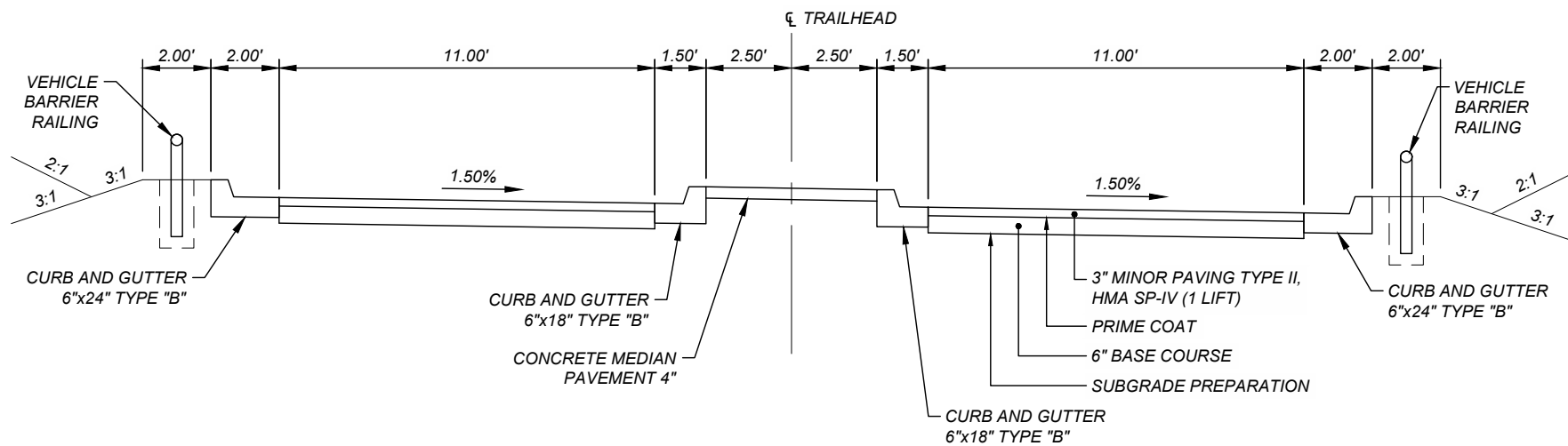
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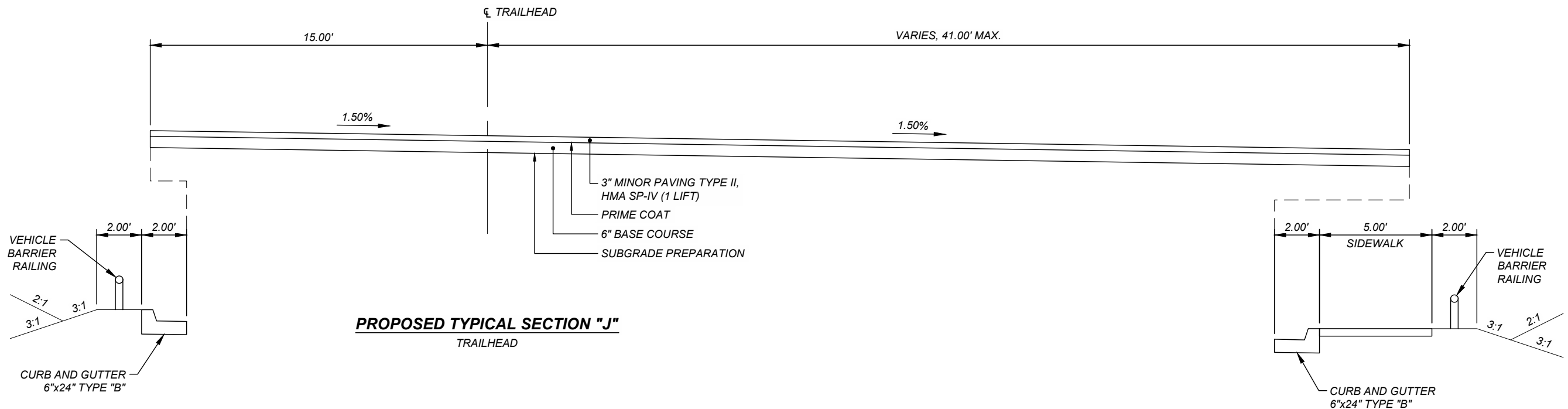
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**PROPOSED TYPICAL SECTION "L"**  
 SILER ROAD



**PROPOSED TYPICAL SECTION "K"**  
 TRAILHEAD DRIVEWAY



**PROPOSED TYPICAL SECTION "J"**  
 TRAILHEAD

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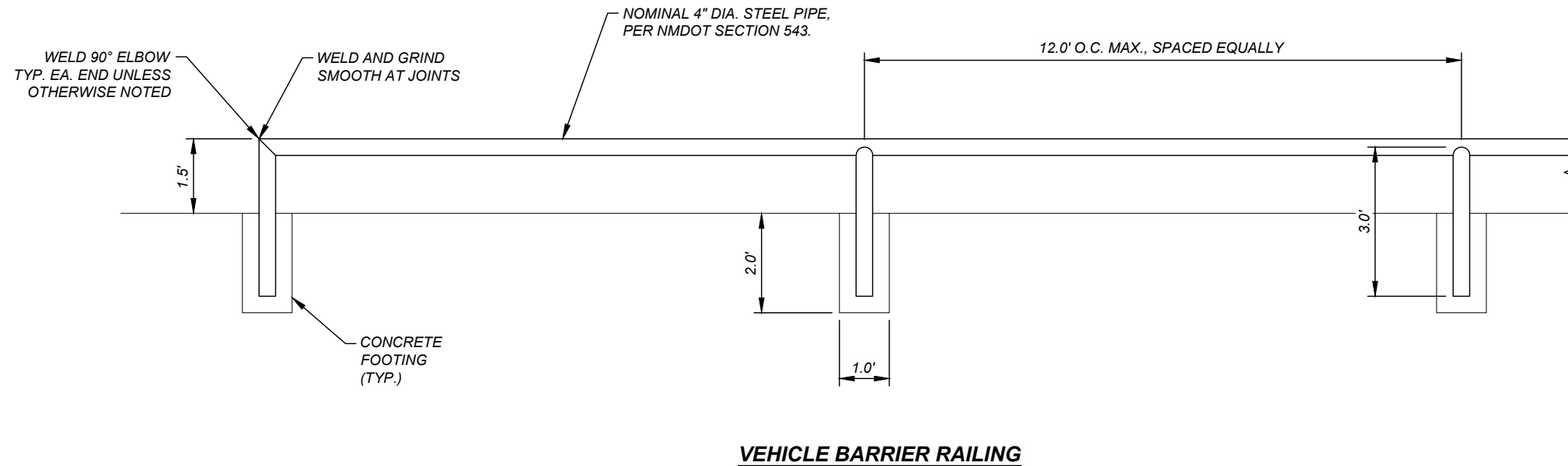
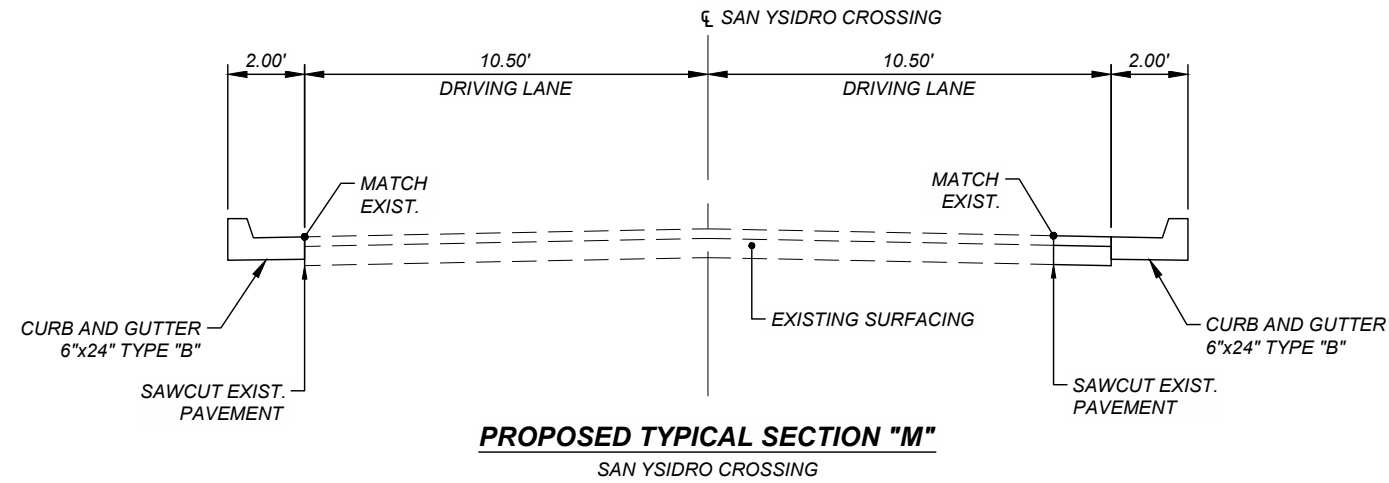




**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**





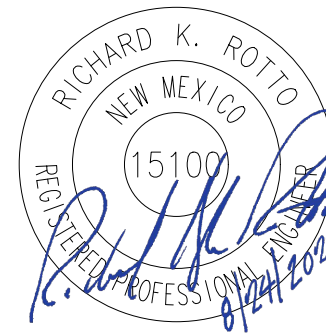
PROJECT  
**SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)**

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REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER  
 357-7708  
 SHEET TITLE  
 SURFACING SCHEDULE

SHEET NUMBER

BASE BID - SURFACING SCHEDULE			203211	207000		303000			408100		416204				**	**	451060		
			UNSTABLE SUBGRADE STABILIZATION	SUBGRADE PREPARATION		BASE COURSE			PRIME COAT MATERIAL		MINOR PAVING TYPE II, HMA SP-IV				PG 58-28 ASPHALT MATERIAL	HYDRATED LIME	CONCRETE PAVEMENT-6"		
STATION TO STATION	DESCRIPTION	LENGTH (FT)	(S.Y.)	AVG. WIDTH (FT.)	(S.Y.)	AVG. WIDTH (FT.)	DEPTH (IN.)	TON	AVG. WIDTH (FT.)	TON	AVG. WIDTH (FT.)	DEPTH (IN.)	(S.Y.)**	TON	TON	TON	AVG. WIDTH (FT.)	DEPTH (IN.)	(S.Y.)**
<b>PASADA SAN JUAN</b>																			
400+14.46 - 418+58.72	3" MINOR PAVING	1,844.26	----	----	----	----	----	----	----	----	22.00	3.00	4,508.19	734.84	37.48	7.35	----	----	----
	6" UTBC		225.41	22.00	4,508.19	22.00	6.00	1,371.24	22.00	8.45	----	----	----	----	----	----	----	----	----
418+58.72 - 419+47.72	3" MINOR PAVING	89.00	----	----	----	----	----	----	----	----	22.00	3.00	691.24	112.67	5.75	1.13	----	----	----
	6" UTBC		34.56	89.00	691.24	89.00	6.00	210.25	89.00	1.30	----	----	----	----	----	----	----	----	----
<b>TURNOUTS</b>																			
TO-01 - 408+31	6" UTBC	70.00	11.67	30.00	233.33	30.00	6.00	70.97	----	----	----	----	----	----	----	----	----	----	----
TO-02 - 410+89	6" UTBC	55.00	4.58	15.00	91.67	15.00	6.00	27.88	----	----	----	----	----	----	----	----	----	----	----
TO-03 - 413+86	6" UTBC	26.00	1.44	10.00	28.89	10.00	6.00	8.79	----	----	----	----	----	----	----	----	----	----	----
TO-04 - 419+03	6" UTBC	18.00	1.00	10.00	20.00	10.00	6.00	6.08	----	----	----	----	----	----	----	----	----	----	----
<b>PASADA SAN JUAN - SUB-TOTAL</b>			<b>278.67</b>		<b>5,573.32</b>			<b>1,695.22</b>		<b>9.75</b>			<b>5,199.43</b>	<b>847.51</b>	<b>43.22</b>	<b>8.48</b>			<b>0.00</b>
<b>RIVER TRAIL</b>																			
196+72.28 - 200+01.82	6" CONCRETE	4825.64	----	----	----	----	----	----	----	----	----	----	----	----	----	----	10.00	6.00	5,361.82
200+22.82 - 245+18.92	4" UTBC		482.56	18.00	9,651.28	18.00	4.00	1,957.07	----	----	----	----	----	----	----	----	----	----	----
<b>RIVER TRAIL - SUB-TOTAL</b>			<b>482.56</b>		<b>9,651.28</b>			<b>1,957.07</b>		<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>5,361.82</b>
<b>SAN YSIDRO CROSSING</b>																			
11+80.00 - 13+18.07	3" MINOR PAVING	138.07	----	----	----	----	----	----	----	----	1.50	3.00	23.01	3.75	0.19	0.04	----	----	----
	6" UTBC		1.15	1.50	23.01	1.50	6.00	7.00	1.50	0.04	----	----	----	----	----	----	----	----	----
<b>SAN YSIDRO CROSSING - SUB-TOTAL</b>			<b>1.15</b>		<b>23.01</b>			<b>7.00</b>		<b>0.04</b>			<b>23.01</b>	<b>3.75</b>	<b>0.19</b>	<b>0.04</b>			<b>0.00</b>
<b>TRAILHEAD</b>																			
-2+68.28 - -00+17.50	3" MINOR PAVING	250.78	----	----	----	----	----	----	----	----	56.00	3.00	1,136.84	185.30	9.45	1.85	----	6.00	52.25
	6" UTBC		78.02	56.00	1,560.40	56.00	6.00	474.62	56.00	2.93	----	----	----	----	----	----	----	----	----
<b>TRAILHEAD - SUB-TOTAL</b>			<b>78.02</b>		<b>1,560.40</b>			<b>474.62</b>		<b>2.93</b>			<b>1,136.84</b>	<b>185.30</b>	<b>9.45</b>	<b>1.85</b>			<b>52.25</b>
<b>BASE BID TOTAL</b>			<b>840.40</b>		<b>16,808.01</b>			<b>4,133.90</b>		<b>12.72</b>			<b>6,359.28</b>	<b>1,036.56</b>	<b>52.86</b>	<b>10.37</b>			<b>5,414.07</b>
<b>BASE BID USE</b>			<b>850</b>		<b>16,900</b>			<b>4,140</b>		<b>13</b>			<b>1,040</b>						<b>5,420</b>

\*\* FOR CONTRACTOR'S INFORMATION ONLY.

BID ALT. #1 - SURFACING SCHEDULE			203211	207000		303000			408100		416204				**	**	451060		
			UNSTABLE SUBGRADE STABILIZATION	SUBGRADE PREPARATION		BASE COURSE			PRIME COAT MATERIAL		MINOR PAVING TYPE II, HMA SP-IV				PG 58-28 ASPHALT MATERIAL	HYDRATED LIME	CONCRETE PAVEMENT-6"		
STATION TO STATION	DESCRIPTION	LENGTH (FT)	(S.Y.)	AVG. WIDTH (FT.)	(S.Y.)	AVG. WIDTH (FT.)	DEPTH (IN.)	TON	AVG. WIDTH (FT.)	TON	AVG. WIDTH (FT.)	DEPTH (IN.)	(S.Y.)**	TON	TON	TON	AVG. WIDTH (FT.)	DEPTH (IN.)	(S.Y.)**
<b>CONNECTOR TRAIL</b>																			
300+05.00 - 300+20.50	6" CONCRETE	315.19	----	----	----	----	----	----	----	----	----	----	----	----	----	----	10.00	6.00	350.21
301+83.50 - 304+25.16			4" UTBC	35.02	20.00	700.42	20.00	4.00	62.22	----	----	----	----	----	----	----	----	----	----
307+75.61 - 308+33.64	6" CONCRETE	350.45	----	----	----	----	----	----	----	----	----	----	----	----	----	----	12.00	6.00	467.27
304+25.16 - 307+75.61			4" UTBC	33.10	17.00	661.96	17.00	4.00	134.23	----	----	----	----	----	----	----	----	----	----
<b>CONNECTOR TRAIL - SUB-TOTAL</b>			<b>68.12</b>		<b>1,362.38</b>			<b>196.45</b>		<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>817.48</b>
<b>BID ALT. #1 TOTAL</b>			<b>68.12</b>		<b>1,362.38</b>			<b>196.45</b>		<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>817.48</b>
<b>BID ALT. #1 USE</b>			<b>70</b>		<b>1,400</b>			<b>200</b>		<b>0</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>820</b>

\*\* FOR CONTRACTOR'S INFORMATION ONLY.

**ESTIMATED SURFACING FACTORS**

ITEM	PG 70-28R+	PG 58 - 28	SEC. 407***	SEC. 408***	UNIT WEIGHT	HYDRATED LIME	GALLONS PER TON
	% BY WT. OF TOTAL MIX	% BY WT. OF TOTAL MIX	GAL. PER SQ. YD.	GAL. PER SQ. YD.	LBS. PER CU. YD.	% BY WT. OF TOTAL MIX	
UNTREATED BASE COURSE					3650 **		
HMA SP-IV		5.1 **			3912 **	1.0 **	
PRIME COAT MATERIAL				0.45 ***			240

FOR CONTRACTORS INFORMATION ONLY.

\*\* FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENT SHALL BE DETERMINED BY APPROVED MIX DESIGN.

\*\*\* FOR ESTIMATING PURPOSES ONLY, APPLICATION RATE WILL BE DETERMINED BY SANTA FE COUNTY.

**BASE BID  
 ESTIMATED  
 STRUCTURE  
 QUANTITIES**

KEY REF.	STATION	DESCRIPTION	SKEW	206100	516000	570024	570025	570030	570031	570036	570465	602010	602030	623000	623001	623004	623332
				SELECT BACKFILL MATERIAL	FLOWABLE FILL	24" CULVERT PIPE	24" CULVERT PIPE END SECTION	30" CULVERT PIPE	30" CULVERT PIPE END SECTION	36" CULVERT PIPE	36" STORM DRAIN CULVERT PIPE END SECTION	RIPRAP CLASS B	RIPRAP CLASS D	MEDIAN DROP INLET TYPE I (URBAN) H=0'0" TO 3'0"	MEDIAN DROP INLET TYPE I (URBAN) H=3'1" TO 6'0"	MEDIAN DROP INLET TYPE I (URBAN) H=6'1" TO 9'0"	CURB DROP INLET TYPE II-B, OVER 4'
SP-01	200+45 CL RIVER TRAIL	BUILD 1-MDI TYPE I (URBAN) LT. H=3.0' BUILD 1-24"x46' CULVERT PIPE LT. NORMAL BUILD 1-MDI TYPE I (URBAN) LT. H=3.0' BUILD 1-24"x118' CULVERT PIPE RT. 7° SKEW LF W/ END SECTION RT. BUILD RIPRAP EROSION CONTROL PAD RT. PER SHEET 3-1	7° LF			164	1					3.2		2			
SP-02	208+60 CL RIVER TRAIL	GRADE INLET TO DRAIN BUILD 1-24"x82' CULVERT PIPE 12° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-52 AND 3-2	12° LF	4.5		82	2					14.3	4.5				
SP-03	211+22 CL RIVER TRAIL	BUILD 1-24"x90' CULVERT PIPE 15° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-53 AND 3-2	15° LF	5.3		90	2					2.9	5.3				
SP-04	214+47 CL RIVER TRAIL	GRADE INLET TO DRAIN BUILD 1-24"x68' CULVERT PIPE 11° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-55 AND 3-3	11° LF	2.4		68	2					4.1	2.4				
SP-05	219+51 CL RIVER TRAIL	BUILD 1-24"x36' CULVERT PIPE 27° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-56 AND 3-3	27° LF	2.7		36	2					14.8	2.7				
SP-06	222+46 CL RIVER TRAIL	BUILD 1-24"x34' CULVERT PIPE 21° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP EROSION CONTROL PAD RT. PER SHEET 3-4	21° LF			34	2					7.5					
SP-07	224+00 CL RIVER TRAIL	BUILD 1-30"x26' CULVERT PIPE 15° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-57 AND 3-4	15° LF	4.2				26	2				12.6				
SP-08	233+02 CL RIVER TRAIL	BUILD 1-36"x78' CULVERT PIPE 49° SKEW LF W/ END SECTIONS LT. & RT. BUILD RIPRAP RUNDOWN RT. PER SHEET 2-60 AND 3-5	49° LF	2.0						78	2	13.3	5.3				
SP-09	239+91 CL RIVER TRAIL	GRADE INLET TO DRAIN BUILD 1-24"x70' CULVERT PIPE 6° SKEW RF W/ END SECTION LT. CONCRETE ENCASE PIPE RT. PER SHEET 2-62 AND 3-6	6° RF		4	70	2					2.3					
SP-10	244+19 CL RIVER TRAIL	BUILD 1-MDI TYPE I (URBAN) LT. H=3.3' BUILD 1-24"x46' CULVERT PIPE 2° SKEW LF W/ END SECTION LT. CONCRETE ENCASE PIPE RT. PER SHEET 2-64 AND 3-7	2° LF		2	46									1		
SP-11	-00+26; 90.3' LT. CL TRAILHEAD	BUILD 1-MDI TYPE I (URBAN) LT. H=4.9' OVER EXISTING CULVERT PIPE REMOVE 1-MDI GRATE RT. EXTEND MANHOLE-21 TO GRADE													1		
SP-12	518+48 CL SILER RD.	BUILD 1-MDI TYPE I (URBAN) LT. H=6.58' OVER EXISTING CULVERT PIPE BUILD 1-CDI TYPE II RT. H=5.25' OVER EXISTING CULVERT PIPE														1	1
<b>BASE BID TOTAL</b>				21.1	6	590	13	26	2	78	2	62.4	32.8	2	2	1	1
<b>BASE BID USE</b>				30	10	590	13	26	2	78	2	70	40	2	2	1	1

NOTE: FOR STRUCTURE PLACEMENT SECTIONS, SEE SHEETS 10-1 TO 10-6 OF PLANS.

**BID ALT. #1  
 ESTIMATED  
 STRUCTURE  
 QUANTITIES**

KEY REF.	STATION	DESCRIPTION	SKEW	570018	570019	602000	623044
				18" CULVERT PIPE	18" CULVERT PIPE END SECTION	RIPRAP CLASS A	MODIFIED MEDIAN DROP INLET TYPE I (VALLEY/URBAN) H=0'0" TO 3'0"
SP-20	200+45 CL CONNECTOR TRAIL	BUILD 1-MODIFIED MDI TYPE I (VALLEY/URBAN) LT. H=2.5' BUILD 1-18"x18' CULVERT PIPE W/ END SECTION NORMAL RT BUILD EROSION CONTROL PAD RT. PER SHEET 3-25		18	1	2.8	1
<b>BID ALT. #1 TOTAL</b>				18	1	2.8	1
<b>BID ALT. #1 USE</b>				18	1	3	1

NOTE: FOR STRUCTURE PLACEMENT SECTION, SEE SHEET 10-7 OF PLANS.



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
 SANTA FE COUNTY  
 100 Catron St.  
 Santa Fe, New Mexico 87501  
 T 505.986.6200  
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**ENGINEERING CONSULTANT**  
 AECOM  
 150 Washington Avenue, Suite 201  
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**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  
 COLLIER ENGINEERING & DESIGN  
 T 505.228.3154

**REGISTRATION**



08-24-2023

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 ESTIMATED  
 STRUCTURE QUANTITIES  
**SHEET NUMBER**  
 2 - 7



**CONSTRUCTION ENGINEERING & LUMP SUM ITEMS**

ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
107000	ENVIRONMENTAL COMMITMENTS	LUMP SUM	LS
201000	CLEARING AND GRUBBING	LUMP SUM	LS
203011	ENVIRONMENTAL CONSTRUCTION MONITORING	LUMP SUM	LS
541405	PREFAB PEDESTRIAN BRIDGE	LUMP SUM	LS
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LS
603050	CLEAN WATER ACT COMPLIANCE WORK PLAN	ALLOW	LS
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LUMP SUM	LS
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LUMP SUM	LS

**BASE BID - ITEM No. 601000**

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

ITEM DESCRIPTION	UNITS	QUANTITY	REMARKS
MANMADE DEBRIS AND TRASH	C.Y.	2,284	DEBRIS WITHIN RIGHT-OF-WAY
EXISTING SURFACING	S.Y.	50	EAST AND WEST SIDE OF SAN YSIDRO
EXISTING SURFACE TAPER	S.Y.	117	EAST AND WEST SIDE OF SILER RD.
EXISTING CONC./PMBP SIDEW	S.Y.	135	EAST OF SILER RD.
LOW WATER CROSSING	C.Y.	920	VER SAN ANTONIO, CAMINO DOS ANTONIOS
EXISTING FENCING	L.F.	913	EXISTING FENCING WITHIN RIGHT-OF-WAY

**BASE BID - ITEM No. 609418**

**CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X18"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
CG-04	CL TRAILHEAD	-0+85.28; 0.0' CL	-0+20.00; 0.0' CL	137.41	MEDIAN ISLAND
<b>BID ALT. #1 TOTAL</b>				<b>137.41</b>	
<b>BID ALT. #1 USE</b>				<b>140</b>	

**BID ALT. #1 - ITEM No. 609418**

**CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X18"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
CG-08	CL CONNECTOR TRAIL	308+50.50; 16.0' RT	308+50.78; 17.0' LT	33.00	AGUA FRIA
<b>BID ALT. #1 TOTAL</b>				<b>33.00</b>	
<b>BID ALT. #1 USE</b>				<b>40</b>	

**BASE BID - ITEM No. 609424**

**CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
CG-01	CL PASADA SAN JUAN	400+13.96; 40.6' RT	419+07.60; 56.1' LT	2,060.14	S. PASADA SAN JUAN
CG-02	CL PASADA SAN JUAN	418+42.11; 11.0' LT	418+97.60; 56.0' LT	73.00	NW CUL-DE-SAC
CG-03	TRAILHEAD	-0+17.50; 77.7' RT	-0+17.89; 98.2' LT	695.79	W. SILER RD/PARKING
CG-05	TRAILHEAD	0+17.50; 77.7' RT	0+17.50; 98.5' RT	176.17	E. SILER RD.
CG-06	SAN YSIDRO	11+80.00; 10.7' RT	12+40.15; 10.5' RT	60.81	E. SAN YSIDRO CR.
CG-07	SAN YSIDRO	11+80.00; 10.5' LT	14+68.50; 10.5' LT	270.20	W. SAN YSIDRO CR.
<b>BASE BID TOTAL</b>				<b>3,336.11</b>	
<b>BASE BID USE</b>				<b>3,340</b>	

SEE SHEET 2-23 FOR CURB CUT LOCATIONS.

WORK FOR CURB CUTS SHALL BE INCLUDED IN ITEM 609424 - CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" x 24" AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.

**BASE BID - ITEM No. 609200**

**HEADER CURB**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
HC-01	CL PASADA SAN JUAN	400+13.07; 38.3' LT	408+13.69; 27.0' LT	823.92	8" THICK x 1'-6" DEEP
HC-02	CL PASADA SAN JUAN	408+46.35; 27.0' LT	410+87.78; 21.5' LT	254.18	8" THICK x 1'-6" DEEP
HC-03	CL PASADA SAN JUAN	411+03.50; 28.8' LT	413+80.94; 26.0' LT	299.96	8" THICK x 1'-6" DEEP
HC-04	CL PASADA SAN JUAN	413+90.94; 26.0' LT	418+42.11; 11.0' LT	460.64	8" THICK x 1'-6" DEEP
HC-05	CL RIVER TRAIL	222+70.00; 8.0' LT	223+50.00; 8.0' LT	80.56	10" THICK x 2'-5" DEEP
<b>BASE BID TOTAL</b>				<b>1,919.26</b>	
<b>BASE BID USE</b>				<b>1,920</b>	

**BASE BID - ITEM NO'S 203000 & 203100**

**EARTHWORK SUMMARY**

STATION TO	STATION	ALIGNMENT	203000 UNCL. EXCAV. C.Y.	FILL	203100 BORROW C.Y.	REMARKS
				TOTAL C.Y.		
400+14.96	419+47.72	CL PASADA SAN JUAN	1,131.18	7,457.78	6,326.60	PASADA SAN JUAN
200+22.36	245+18.92	CL RIVER TRAIL	1,012.56	11,029.02	10,016.46	RIVER TRAIL EAST OF SAN YSIDRO CROSSING
196+72.28	200+01.78	CL RIVER TRAIL	206.02	7.96	-198.06	RIVER TRAIL WEST OF SAN YSIDRO CROSSING
-03+17.26	-00+19.21	CL TRAILHEAD	741.87	118.42	-623.45	TRAILHEAD
BORROW SOURCE			5,789.26	0.00	-5,789.26	STOCKPILE (BORROW SOURCE)
<b>BASE BID TOTAL</b>			<b>8,880.89</b>	<b>18,613.18</b>	<b>9,732.28</b>	
<b>BASE BID USE</b>			<b>8,900</b>		<b>9,800</b>	

NOTE: EARTHWORK BASED UPON COOPER ARIAL SURVEY, PROVIDED NOVEMBER 23, 2021. VARIATIONS IN TOPOGRAPHY MAY HAVE OCCURRED SINCE THEN.

**BID ALT. #1 - ITEM NO'S 203000 & 203100**

**EARTHWORK SUMMARY**

STATION TO	STATION	ALIGNMENT	203000 UNCL. EXCAV. C.Y.	FILL	203100 BORROW C.Y.	REMARKS
				TOTAL C.Y.		
300+05.00	308+46.16	CL CONNECTOR TRAIL	589.86	1,779.10	1,189.24	CONNECTOR TRAIL
<b>BID ALT. #1 TOTAL</b>			<b>589.86</b>	<b>1,779.10</b>	<b>1,189.24</b>	
<b>BID ALT. #1 USE</b>			<b>600</b>		<b>1,200</b>	

NOTE: EARTHWORK BASED UPON COOPER ARIAL SURVEY, PROVIDED NOVEMBER 23, 2021. VARIATIONS IN TOPOGRAPHY MAY HAVE OCCURRED SINCE THEN.

**BASE BID - ITEM No. 609636**

**CONCRETE VALLEY GUTTER 6" X 36"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
VG-01	TRAILHEAD	-0+17.50; 40' RT	-0+17.50; 40' LT	80.00	
<b>BASE BID TOTAL</b>				<b>80.00</b>	
<b>BASE BID USE</b>				<b>80</b>	

**BASE BID - ITEM No. 608004**

**CONCRETE SIDEWALK 4"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	S.F.	S.Y.	REMARKS
SW-02	TRAILHEAD	-2+36.28; 48.0' RT	-0+81.15; 17' RT	891.91	99.10	S. PARKING EDGE
SW-03	SILER RD.	518+25.16; 32.5' LT	517+65.57; 23' LT	590.99	65.67	W. SILER, S. TRAILHEAD
SW-04	SILER RD.	518+61.34; 32.5' LT	519+41.90; 41' LT	625.92	69.55	W. SILER, N. TRAILHEAD
SW-05	SILER RD.	517+65.57; 19.0' RT	519+41.52; 19' RT	275.84	30.65	E. SILER, 1' WIDE
SW-06	TRAILHEAD	-1+02.28; 48.0' RT	-0+66.75; 66' RT	312.61	34.73	S. PARKING TO EXIST.
<b>BID ALT. #1 TOTAL</b>					<b>299.70</b>	
<b>BID ALT. #1 USE</b>					<b>300</b>	

**BID ALT. #1 - ITEM No. 608004**

**CONCRETE SIDEWALK 4"**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	S.F.	S.Y.	REMARKS
SW-01	CL CONNECTOR TRAIL	308+49.04; 11.0' RT	308+49.28; 17' LT	325.94	36.22	CURB RAMP AT AGUA FRIA
<b>BID ALT. #1 TOTAL</b>					<b>36.22</b>	
<b>BID ALT. #1 USE</b>					<b>40</b>	

**BID ALT. #1 - ITEM No. 609200**

**HEADER CURB**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
HC-06	CL CONNECTOR TRAIL	306+18.25; 7.0' RT	306+35.94; 7.0' RT	17.69	10" THICK x 2'-5" DEEP
<b>BID ALT. #1 TOTAL</b>					<b>17.69</b>
<b>BID ALT. #1 USE</b>					<b>20</b>



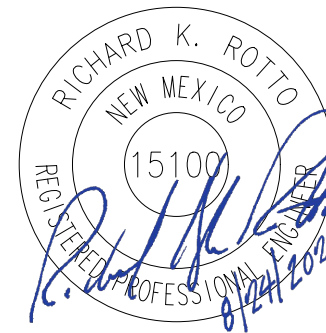
PROJECT  
**SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)**

CLIENT  
**SANTA FE  
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ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER  
357-7708  
SHEET TITLE  
MISCELLANEOUS  
QUANTITIES

SHEET NUMBER

**BID ALT. #1 - RETAINING WALL**

KEYNOTE REF.	ALIGNMENT	STATION	TO	STATION	LOC	LENGTH L.F.	210002	210003	511000	540060	REMARKS
							MAJOR STRUCTURE EXCAVATION	MAJOR STRUCTURE BACKFILL	STRUCTURAL CONCRETE, CLASS A	REINFORCING BARS GRADE 60	
							C.Y.	C.Y.	C.Y.	LB	
RT-01	CL CONNECTOR TRAIL	304+25.16; 7.50'		305+36.78; 7.50'	RT	117.72	132.91	133.06	91.39	8,510.66	
RT-02	CL CONNECTOR TRAIL	305+36.78; 7.50'		306+40.00; 7.50'	LT	122.27	145.20	121.33	72.92	6,276.86	
RT-03	CL CONNECTOR TRAIL	306+18.25; 7.50'		306+97.41; 7.50'	RT	96.00	70.66	49.10	30.41	2,769.74	
<b>BID ALT. #1 TOTAL</b>							<b>348.77</b>	<b>303.49</b>	<b>194.72</b>	<b>17,557.26</b>	
<b>BID ALT. #1 USE</b>							<b>350</b>	<b>310</b>	<b>200</b>	<b>17,560</b>	

**BASE BID - ITEM No. 607079  
 PEDESTRIAN/BICYCLE RAILING**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
PR-01	CL RIVER TRAIL	207+83.81; 8.0' RT	209+21.86; 8.0' RT	140.00	WITH HANDRAIL
PR-02	CL RIVER TRAIL	222+54.15; 8.0' RT	224+32.95; 8.0' RT	180.00	WITH HANDRAIL
PR-03	CL RIVER TRAIL	232+02.17; 8.0' RT	233+29.79; 8.0' RT	130.00	WITH HANDRAIL
PR-04	CL RIVER TRAIL	242+13.89; 8.0' RT	244+61.33; 8.0' RT	250.00	WITH HANDRAIL
PR-05	CL RIVER TRAIL	232+07.24; 8.0' LT	233+29.79; 8.0' LT	120.00	WITH HANDRAIL
<b>BASE BID TOTAL</b>					<b>820.00</b>
<b>BASE BID USE</b>					<b>820</b>

**BID ALT. #1 - ITEM No. 607079  
 PEDESTRIAN/BICYCLE RAILING**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
PR-06	CL CONNECTOR TRAIL	304+25.16; 7.5' RT	305+36.78; 7.5' RT	118.07	WITH HANDRAIL
PR-07	CL CONNECTOR TRAIL	305+36.78; 7.5' LT	306+40.00; 7.5' LT	123.40	WITH HANDRAIL
PR-08	CL CONNECTOR TRAIL	306+18.25; 7.5' RT	306+97.41; 7.5' RT	98.85	WITH HANDRAIL
<b>BID ALT. #1 TOTAL</b>					<b>340.31</b>
<b>BID ALT. #1 USE</b>					<b>341</b>

**BASE BID - ITEM No. 543150  
 METAL RAILING, VEHICLE BARRIER**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
VBR-01	TRAILHEAD	-0+33.93; 19.2' LT	-1+07.28; 49.0' RT	455.99	TRAILHEAD
VBR-02	TRAILHEAD	-0+97.28; 49.0' RT	-0+33.94; 19.2' RT	87.43	TRAILHEAD
<b>BASE BID TOTAL</b>					<b>543.42</b>
<b>BASE BID USE</b>					<b>544</b>

**BASE BID - ITEM No. 667530  
 CONCRETE PARKING BARRIER**

ALIGNMENT	STATION to	STATION	LOC.	EACH	REMARKS
CL TRAILHEAD	-0+93.28;	-2+31.28;	39.0' RT	14	PARKING BUMPERS
<b>BASE BID TOTAL</b>					<b>14</b>
<b>BASE BID USE</b>					<b>14</b>

**TURNOUT LOCATIONS**

KEYNOTE REF.	ALIGNMENT	STATION	LOC	SKEW	WIDTH (FEET)	LENGTH (FEET)	RADII (FEET)	REMARKS
TO-01	CL PASADA SAN JUAN	408+31	LT	NORMAL	30.00	70.00	15.00	PASADA SAN JUAN
TO-02	CL PASADA SAN JUAN	410+89	LT	15 SKEW	15.00	55.00	15.00	PASADA SAN JUAN
TO-03	CL PASADA SAN JUAN	413+86	LT	NORMAL	10.00	26.00	15.00	CAMINO DOS ANTONIOS
TO-04	CL PASADA SAN JUAN	419+03	LT	NORMAL	10.00	18.00	15.00	VER SAN ANTONIO

NOTE: FOR TURNOUT PROFILES, SEE SHEETS 4-1 TO 4-2 OF PLANS.

**ITEM No. 667500**

**BOLLARD**

ALIGNMENT	STATION	LOC.	EACH	REMARKS
CL RIVER TRAIL	199+90.82; 0.0'	CL	1	BASE BID
CL RIVER TRAIL	200+34.83; 0.0'	CL	1	BASE BID
CL CONNECTOR TRAIL	300+17.50; 0.0'	CL	1	BID ALT. #1
CL CONNECTOR TRAIL	301+86.50; 0.0'	CL	1	BID ALT. #1
CL CONNECTOR TRAIL	308+30.64; 0.0'	CL	1	BID ALT. #1
<b>BASE BID TOTAL</b>				<b>2</b>
<b>BASE BID USE</b>				<b>2</b>
<b>BID ALT. #1 TOTAL</b>				<b>3</b>
<b>BID ALT. #1 USE</b>				<b>3</b>

**BASE BID - ITEM No. 602005 \*  
 RIPRAP CLASS A (NON-ENCLOSED)**

KEYNOTE	ALIGNMENT	STATION TO	STATION	LOC.	C.Y.	REMARKS
RRA-01	CL PASADA SAN JUAN	400+46.3	- 407+91.9	LT.	207.37	V-DITCH - 3H:1V
RRA-02	CL PASADA SAN JUAN	408+63.9	- 410+72.9	LT.	57.17	V-DITCH - 3H:1V
RRA-03	CL PASADA SAN JUAN	411+26.1	- 413+70.3	LT.	68.48	V-DITCH - 3H:1V
RRA-04	CL PASADA SAN JUAN	414+50.1	- 418+86.4	LT.	123.79	V-DITCH - 3H:1V
RRA-05	CL RIVER TRAIL	219+64.5	- 222+46.7	LT.	77.99	V-DITCH - 3H:1V
RRA-06	CL RIVER TRAIL	222+55.4	- 222+70.1	LT.	4.28	V-DITCH - 3H:1V
RRA-07	CL RIVER TRAIL	223+50.0	- 223+98.4	LT.	13.11	V-DITCH - 3H:1V
RRA-08	CL RIVER TRAIL	224+12.3	- 232+89.1	LT.	221.25	V-DITCH - 3H:1V
RRA-09	CL RIVER TRAIL	233+17.0	- 239+83.4	LT.	188.28	V-DITCH - 3H:1V
RRA-10	CL RIVER TRAIL	239+93.9	- 244+14.1	LT.	115.20	V-DITCH - 3H:1V
RRA-11	CL RIVER TRAIL	244+23.5	- 245+18.9	LT.	27.30	V-DITCH - 3H:1V
<b>BASE BID TOTAL</b>						<b>1,104.23</b>
<b>BASE BID USE</b>						<b>1,110</b>

\* - RIPRAP CLASS A SHALL BE 2" - 4" CRUSHED ROCK FROM THE WALDO PIT, OR APPROVED EQUAL.

**BID ALT. #1 - ITEM No. 602005 \*  
 RIPRAP CLASS A (NON-ENCLOSED)**

KEYNOTE	ALIGNMENT	STATION TO	STATION	LOC.	C.Y.	REMARKS
RRA-12	CL CONNECTOR TRAIL	305+14.0	- 305+94.0	RT.	19.10	V-DITCH - 6H:1V
RRA-13	CL CONNECTOR TRAIL	305+91.9	- 306+40.0	LT.	13.88	V-DITCH - 6H:1V
RRA-14	CL CONNECTOR TRAIL	306+42.4	- 307+75.6	LT.	11.47	V-DITCH - 6H:1V
<b>BID ALT. #1 TOTAL</b>						<b>44.45</b>
<b>BID ALT. #1 USE</b>						<b>50</b>

\* - RIPRAP CLASS A SHALL BE 2" - 4" CRUSHED ROCK FROM THE WALDO PIT, OR APPROVED EQUAL.

**BASE BID - ITEM No. 607004  
 BARBED WIRE FENCE 4'**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	L.F.	REMARKS
BWF-01	CL RIVER TRAIL	213+81.30; 125' RT	214+90.03; 114' RT	113.5	AT ROW
BWF-02	CL RIVER TRAIL	219+36.25; 222' RT	219+91.37; 218' RT	85.5	AT ROW
BWF-03	CL RIVER TRAIL	242+53.64; 15' LT	244+00.62; 15' LT	147.0	AT PROPERTY LINE
BWF-04	CL RIVER TRAIL	227+59.89; 29' LT	230+65.63; 11' LT	310.2	AT ROW
BWF-05	CL RIVER TRAIL	207+37.34; 172' RT	208+41.99; 139' RT	189.8	AT PROPERTY LINE
<b>BASE BID TOTAL</b>					<b>846.0</b>
<b>BASE BID USE</b>					<b>850</b>

**BASE BID - ITEM No. 608404  
 CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)**

KEYNOTE	ALIGNMENT	STATION (FROM)	STATION (TO)	S.F.	S.Y.	REMARKS
MP-01	TRAILHEAD	-0+84.79; 0.0' CL	-0+20.50; 0' CL	276.03	30.67	TRAILHEAD MEDIAN
<b>BASE BID TOTAL</b>					<b>30.67</b>	
<b>BASE BID USE</b>					<b>40</b>	



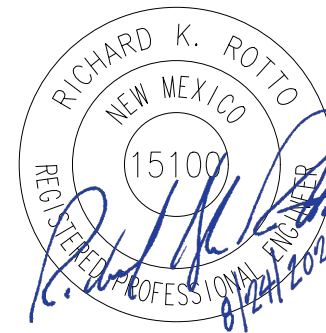
PROJECT  
**SANTA FE RIVER  
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KEY PLAN

PROJECT NUMBER

357-7708

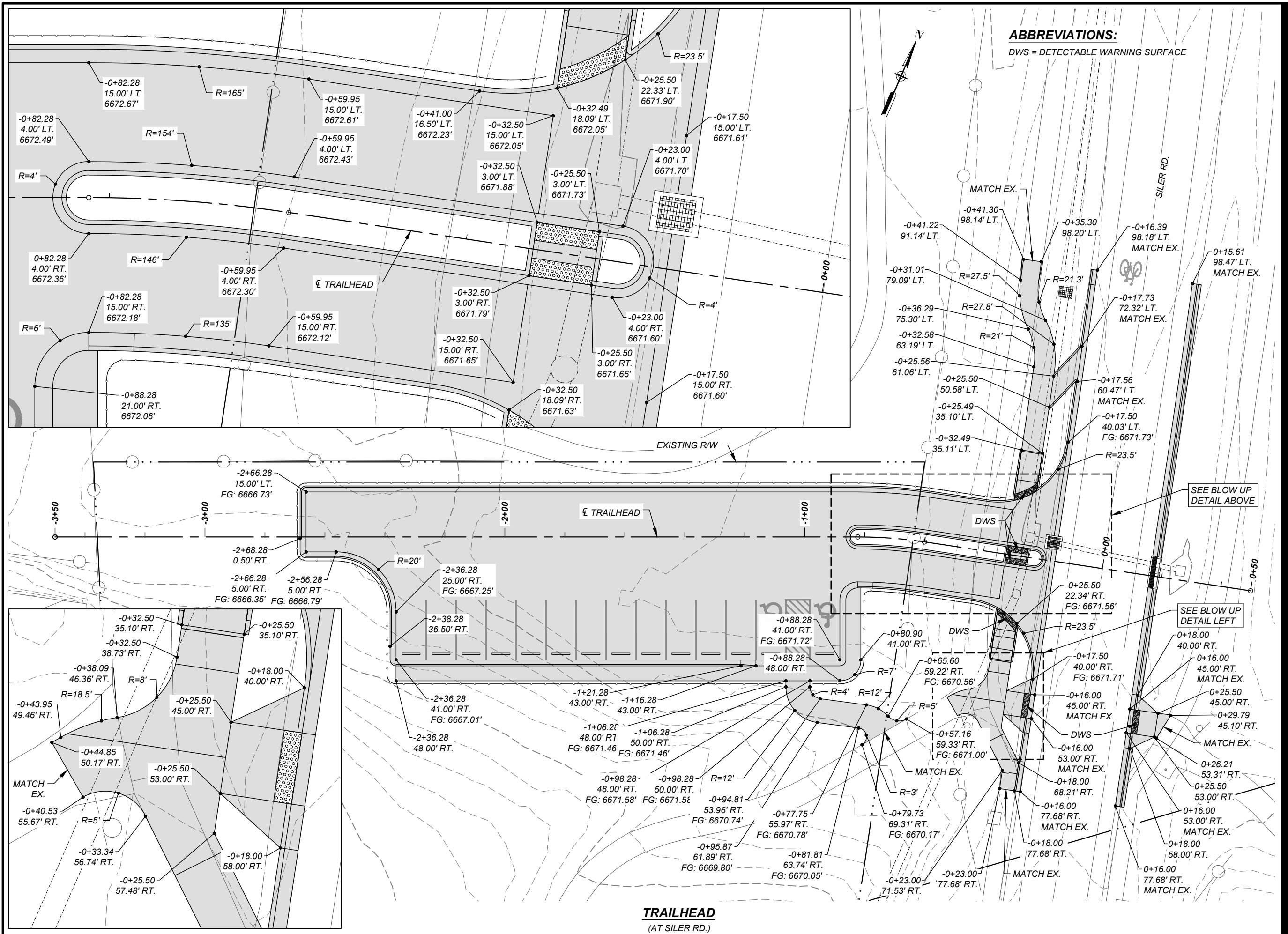
SHEET TITLE

MISCELLANEOUS  
 QUANTITIES

SHEET NUMBER

2 - 9





**ABBREVIATIONS:**

DWS = DETECTABLE WARNING SURFACE



**PROJECT**  
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**PROJECT NUMBER**

357-7708

**SHEET TITLE**

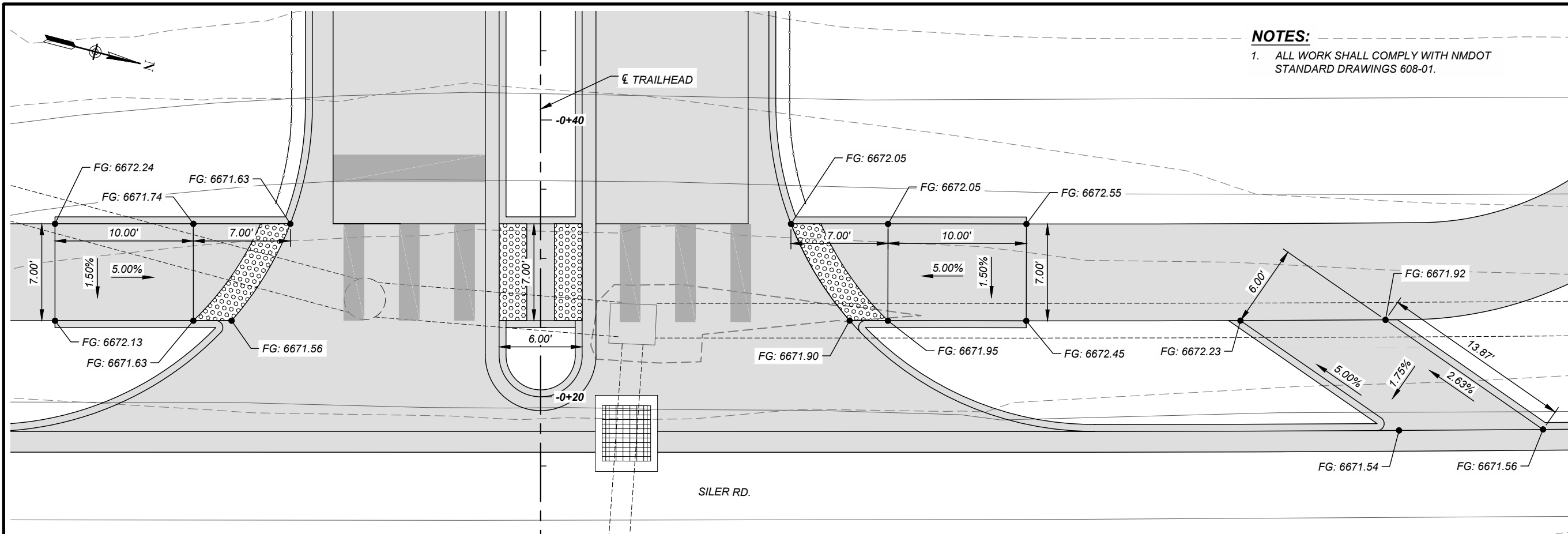
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TRAILHEAD

**SHEET NUMBER**

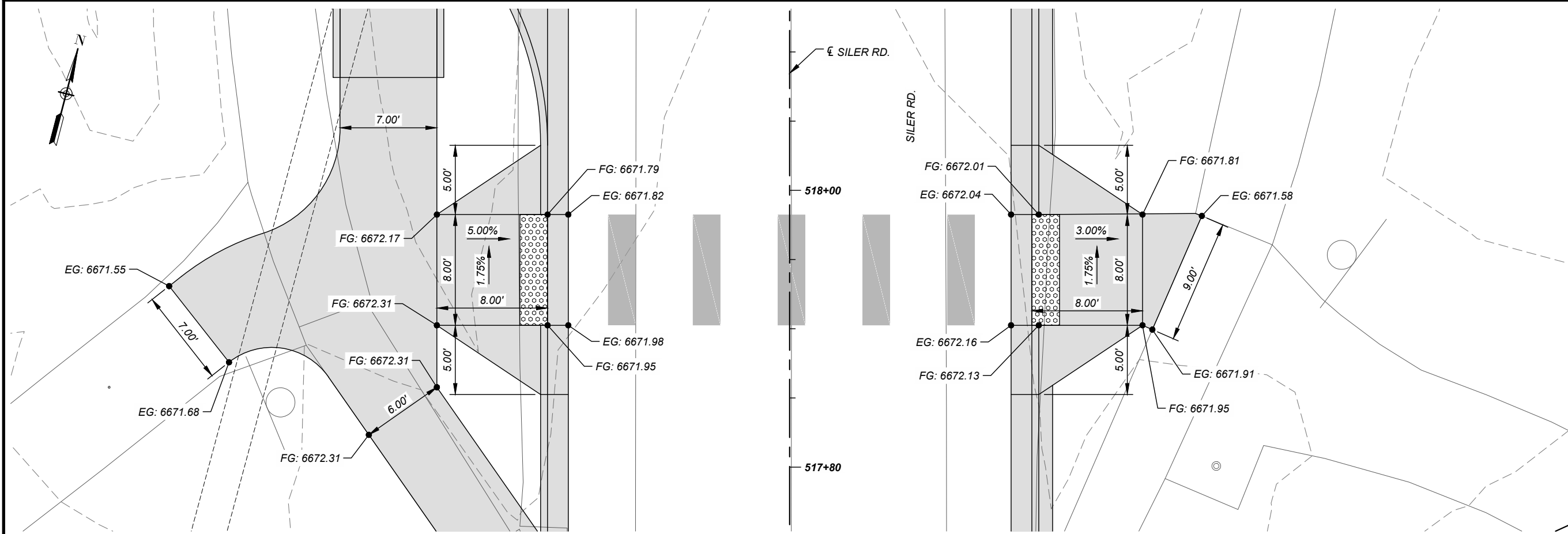
2 - 10

**TRAILHEAD**  
 (AT SILER RD.)





**CROSSWALK**  
 (ACROSS TRAILHEAD DRIVEWAY)



**CROSSWALK**  
 (ACROSS SILER ROAD)

**NOTES:**

1. ALL WORK SHALL COMPLY WITH NMDOT STANDARD DRAWINGS 608-01.

REGISTRATION



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KEY PLAN

PROJECT NUMBER

357-7708

SHEET TITLE

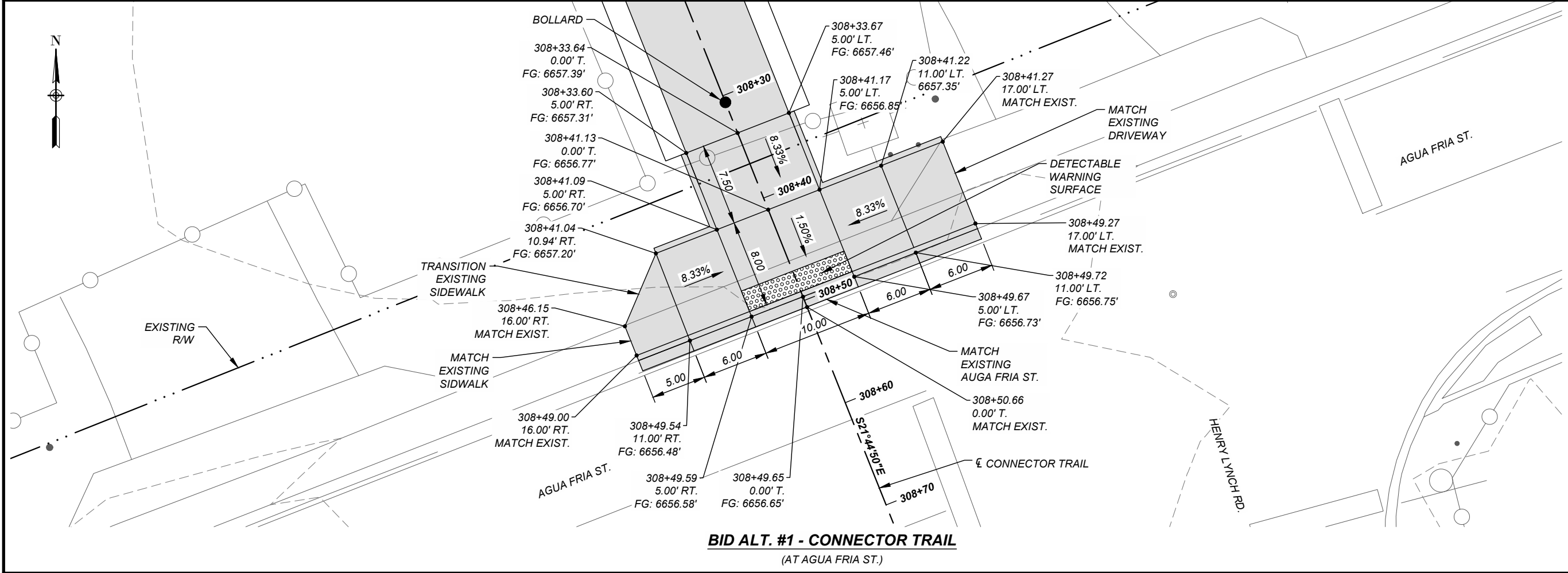
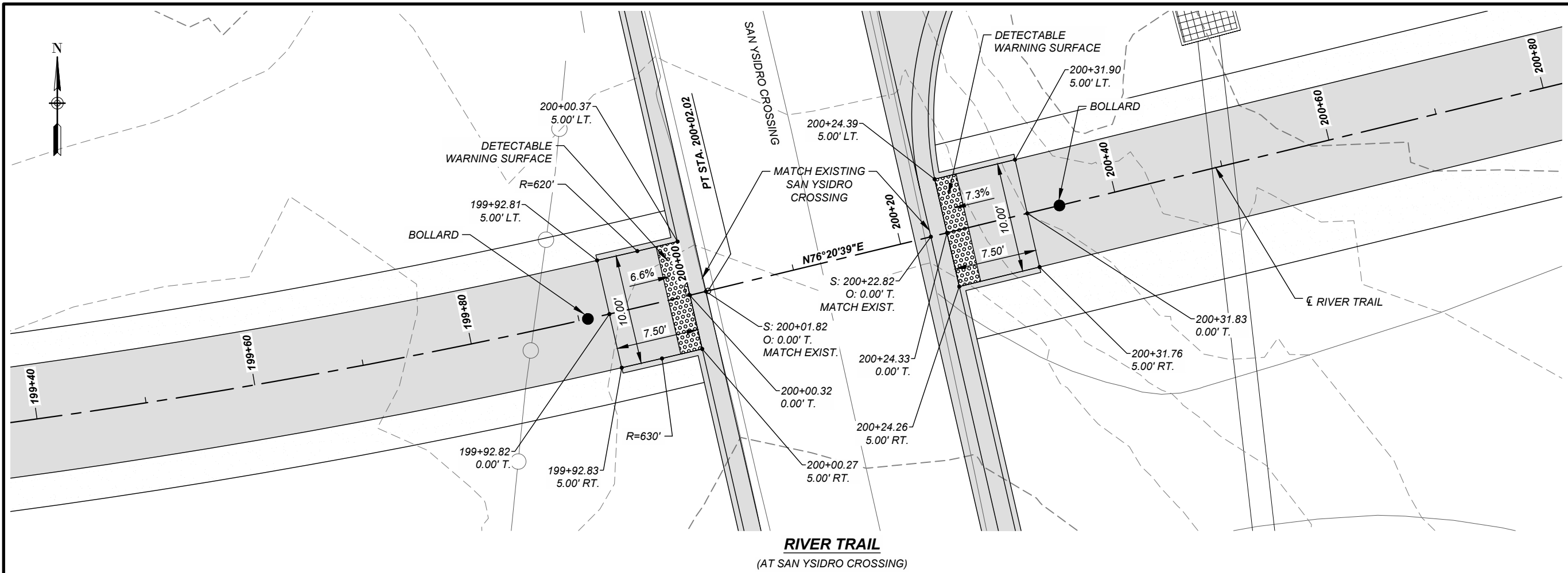
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 CURB RAMPS

SHEET NUMBER

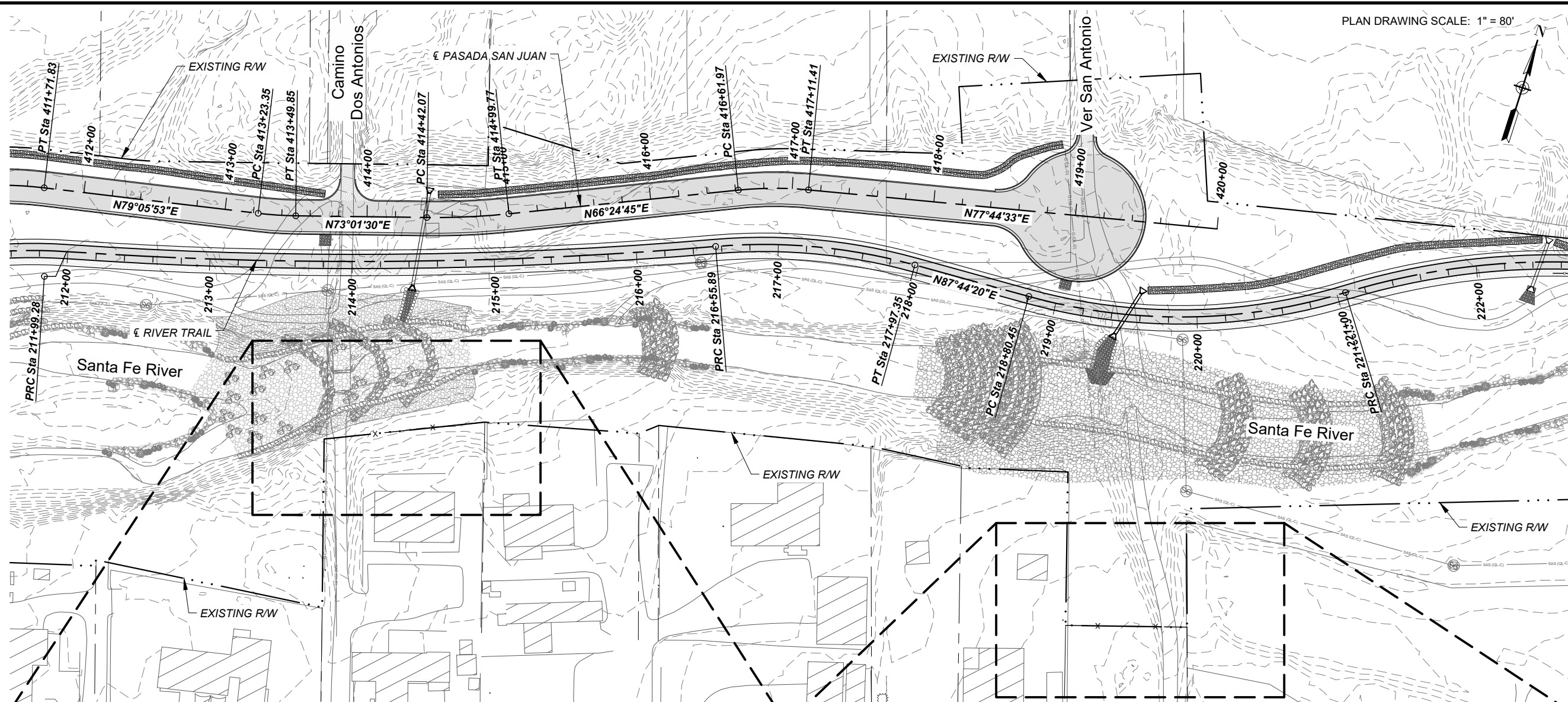
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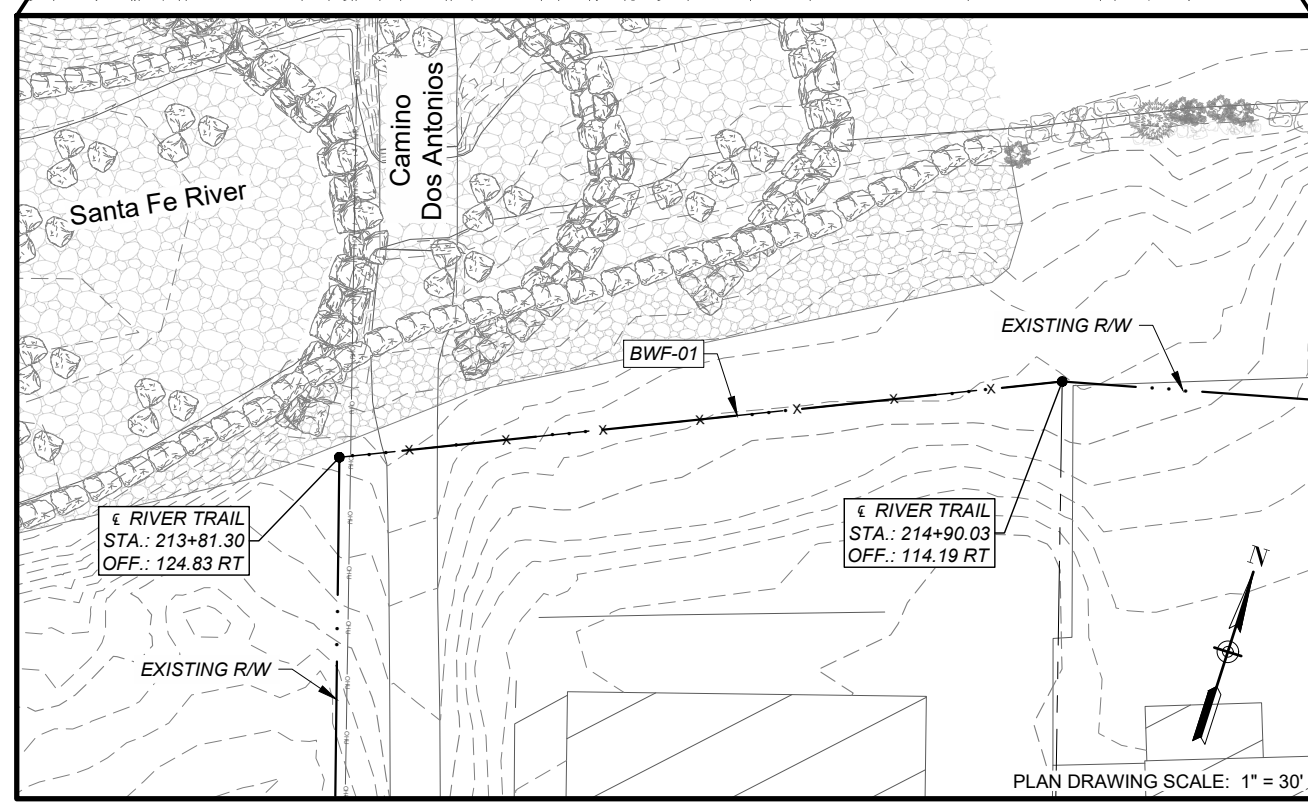
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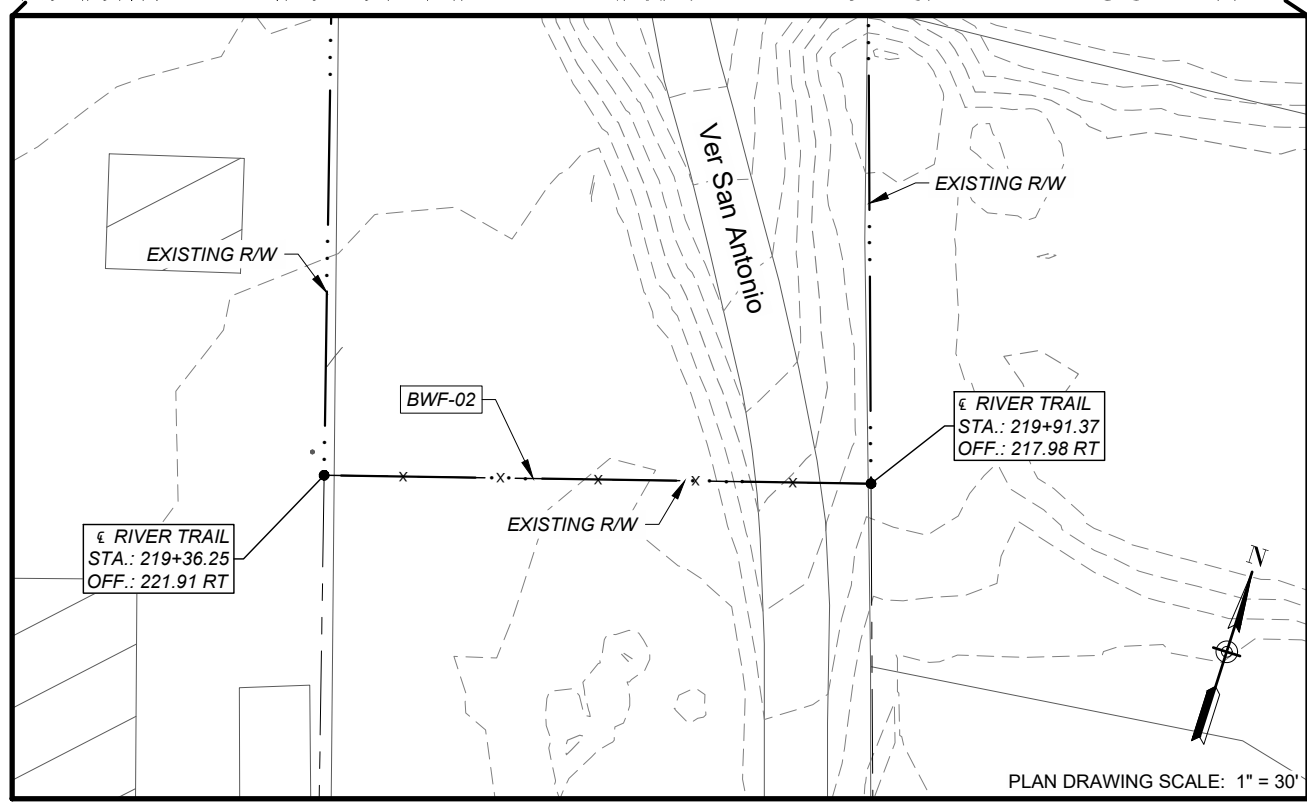




PLAN DRAWING SCALE: 1" = 80'



PLAN DRAWING SCALE: 1" = 30'



PLAN DRAWING SCALE: 1" = 30'



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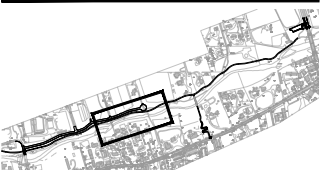
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**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 RIGHT-OF-WAY  
 FENCING

**SHEET NUMBER**  
 2 - 13





PLAN DRAWING SCALE: 1" = 40'



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

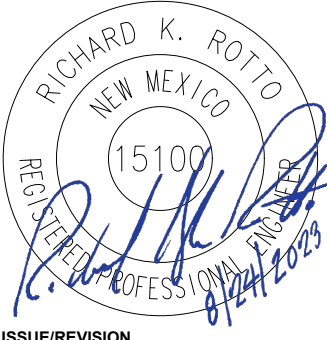
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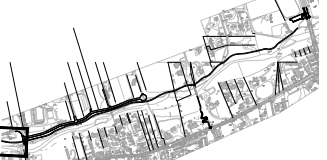
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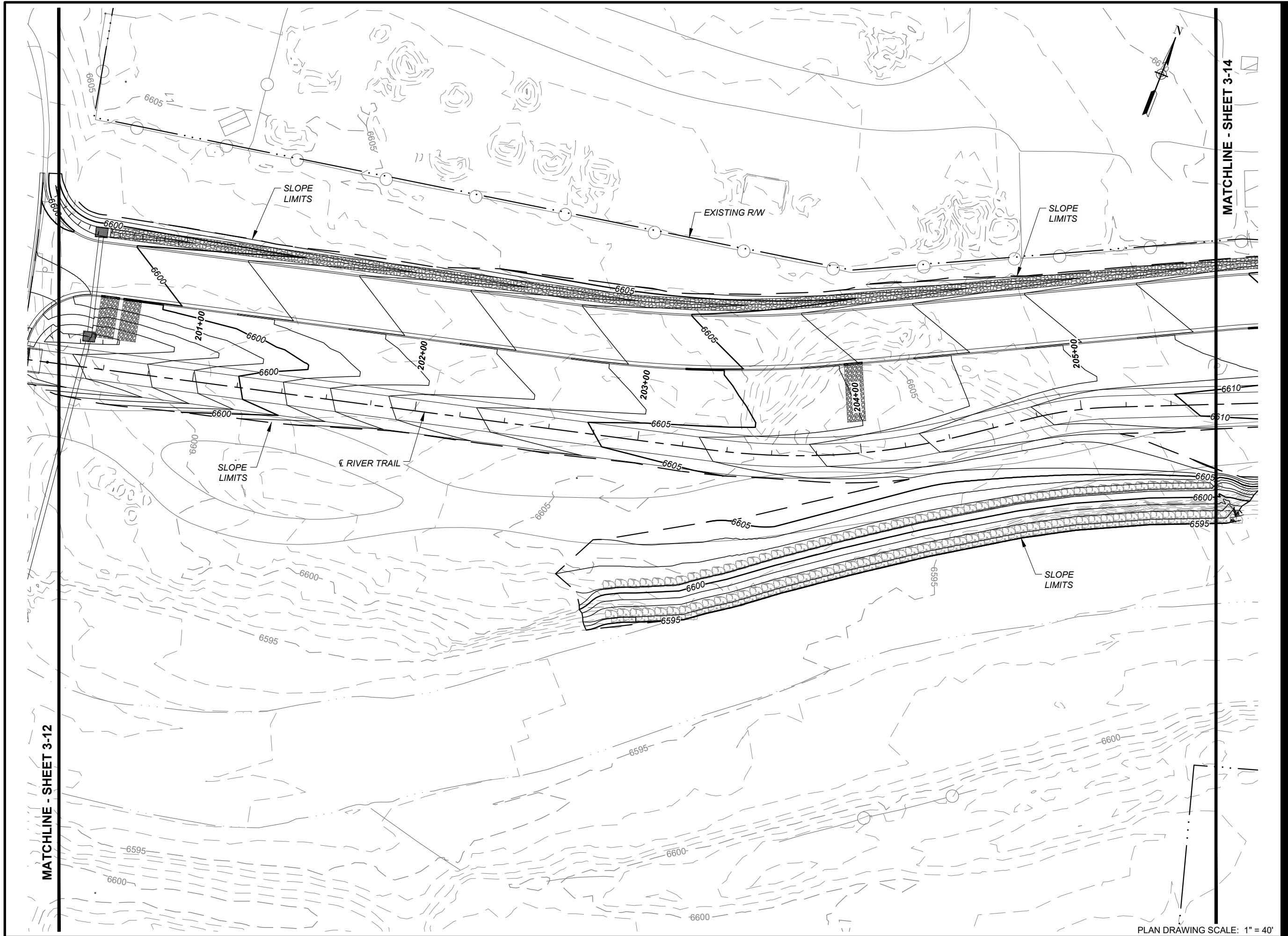
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**KEY PLAN**



**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 14



**PROJECT**  
 SANTA FE RIVER  
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**ISSUE/REVISION**

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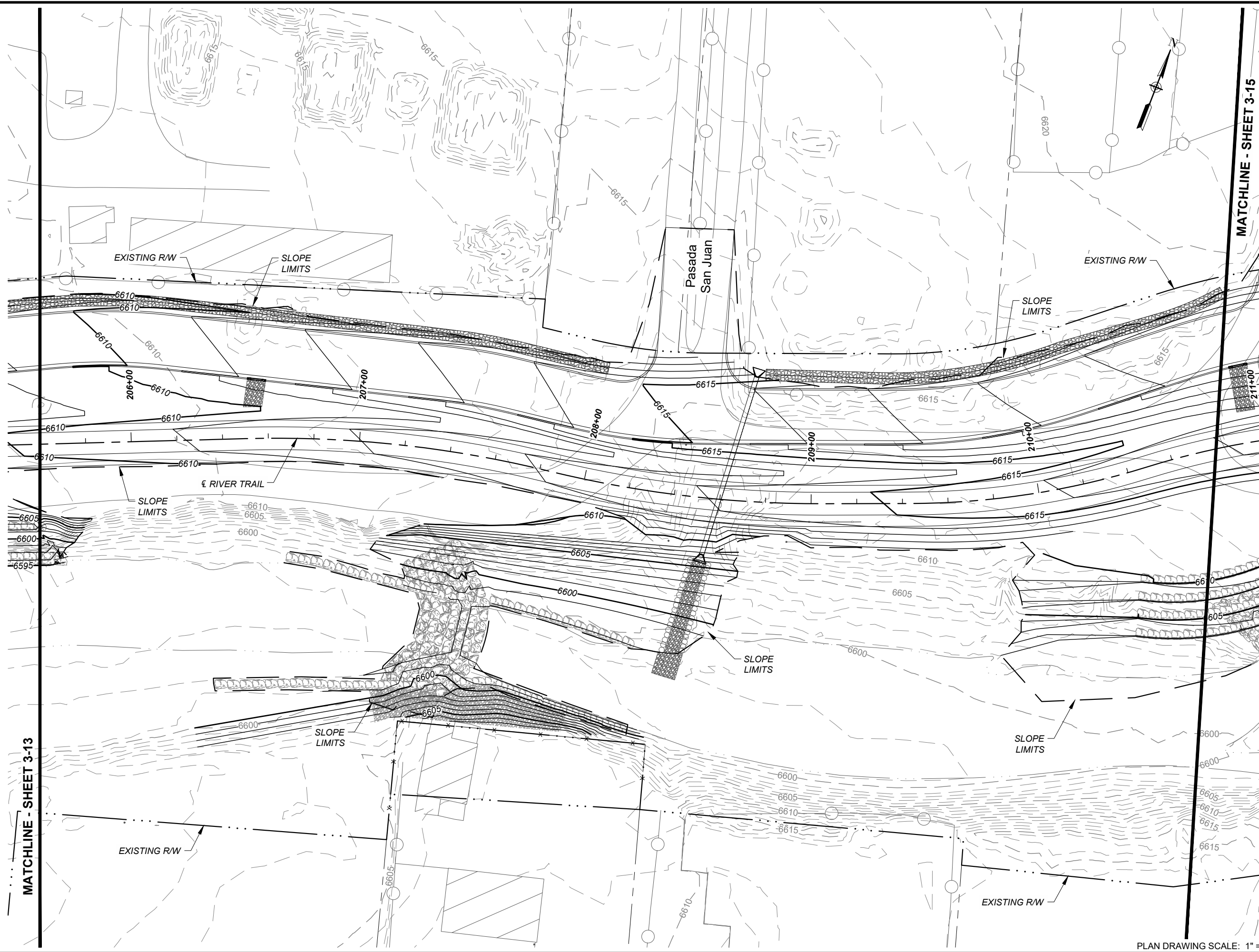
**KEY PLAN**



**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 GRADING PLANS

**SHEET NUMBER**  
 2 - 15





**PROJECT**  
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**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 16

PLAN DRAWING SCALE: 1" = 40'





PLAN DRAWING SCALE: 1" = 40'



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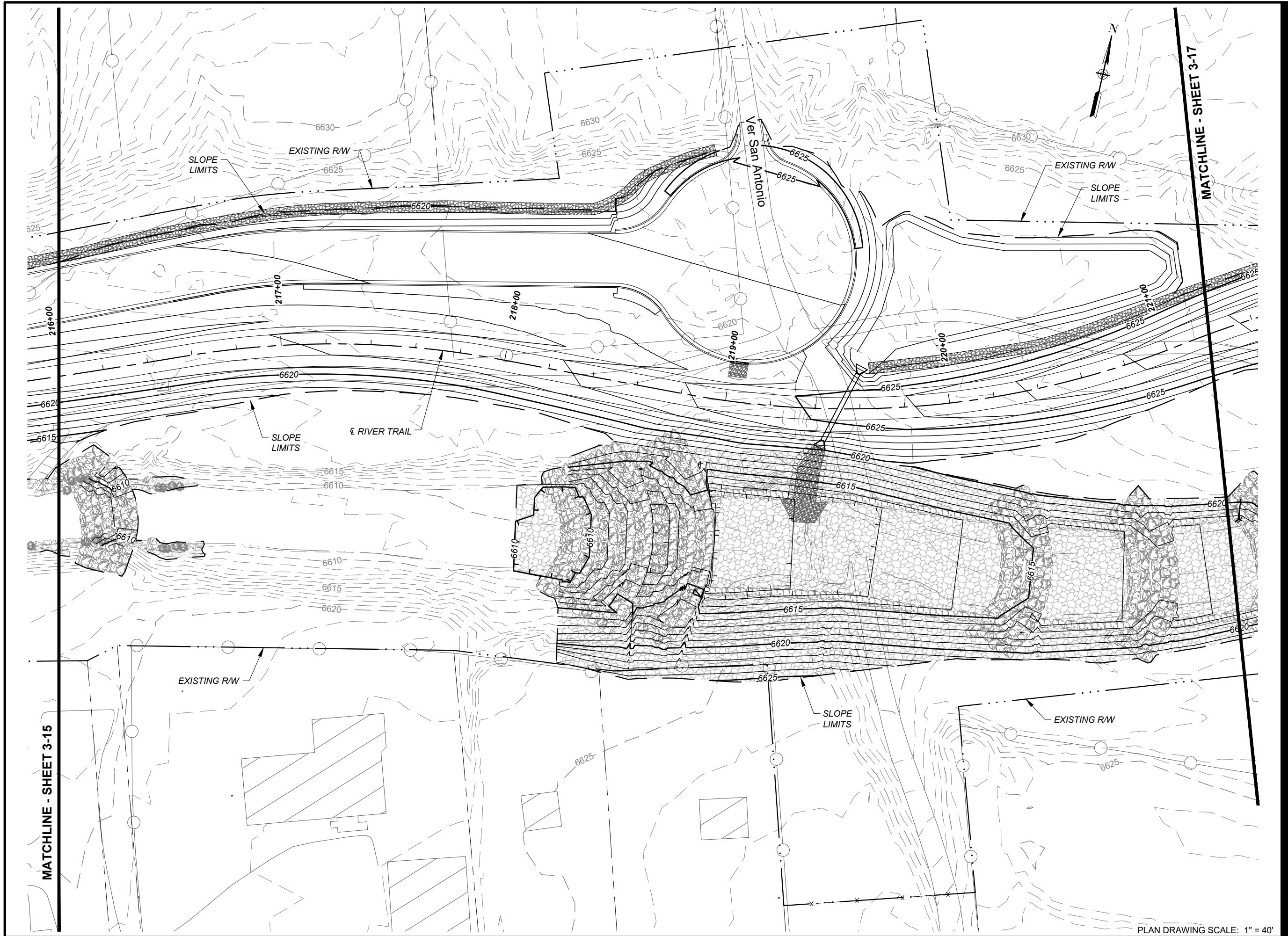


**PROJECT NUMBER**  
357-7708

**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 17





**PROJECT**  
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**COOPER AERIAL SURVEYS CO.**  
 T 602.678.5111  
**SUBSURFACE UTILITY ENGINEERING**  
**COLLIERS ENGINEERING & DESIGN**  
 T 505.228.3154

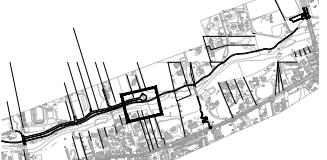
**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

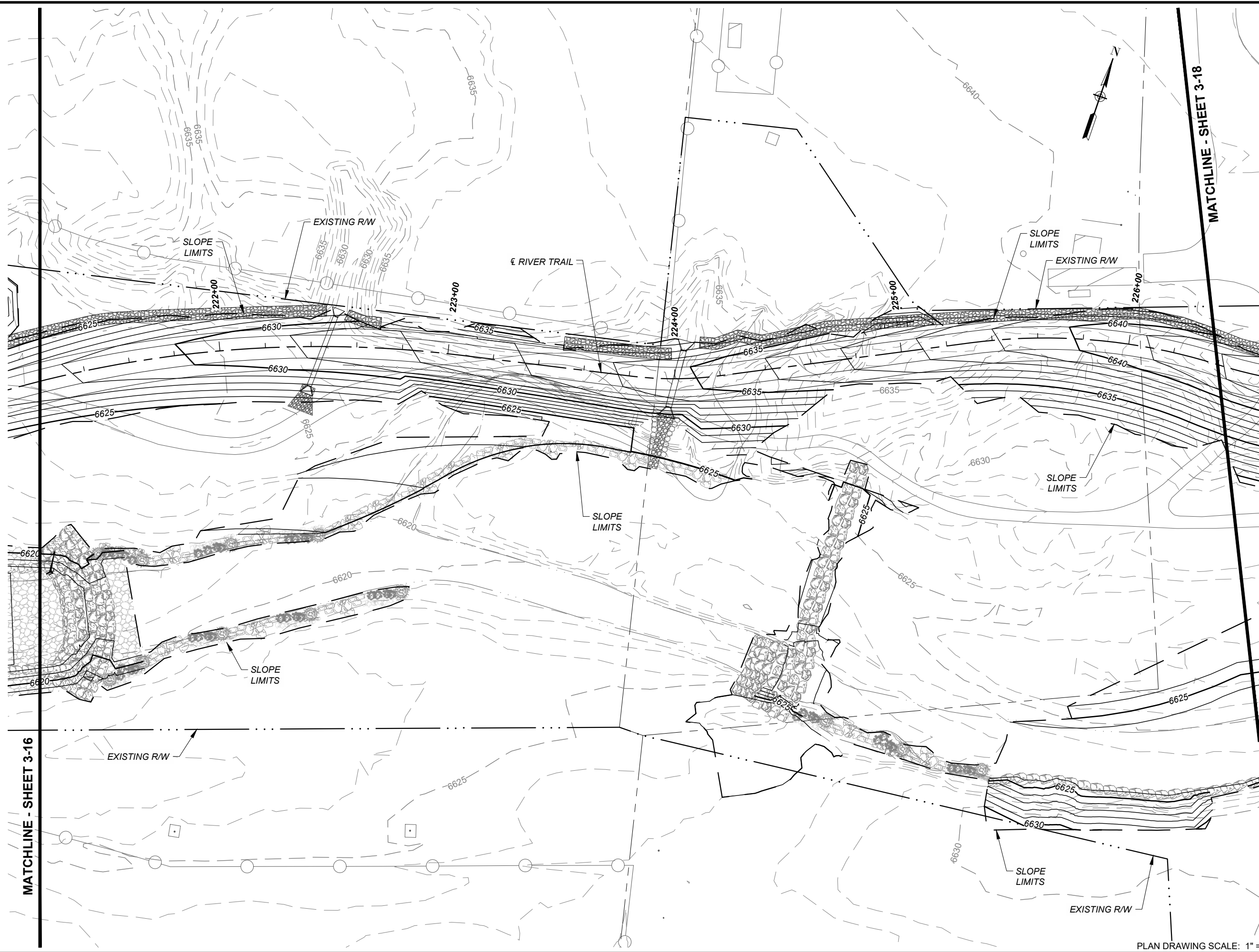


**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 GRADING PLANS

**SHEET NUMBER**  
 2 - 18

PLAN DRAWING SCALE: 1" = 40'





MATCHLINE - SHEET 3-16

MATCHLINE - SHEET 3-18



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

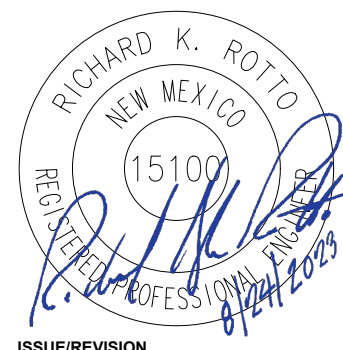
**CLIENT**  
 SANTA FE  
 COUNTY  
 100 Catron St.  
 Santa Fe, New Mexico 87501  
 T 505.986.6200  
 www.santafecountynm.gov



**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  
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**REGISTRATION**



**ISSUE/REVISION**

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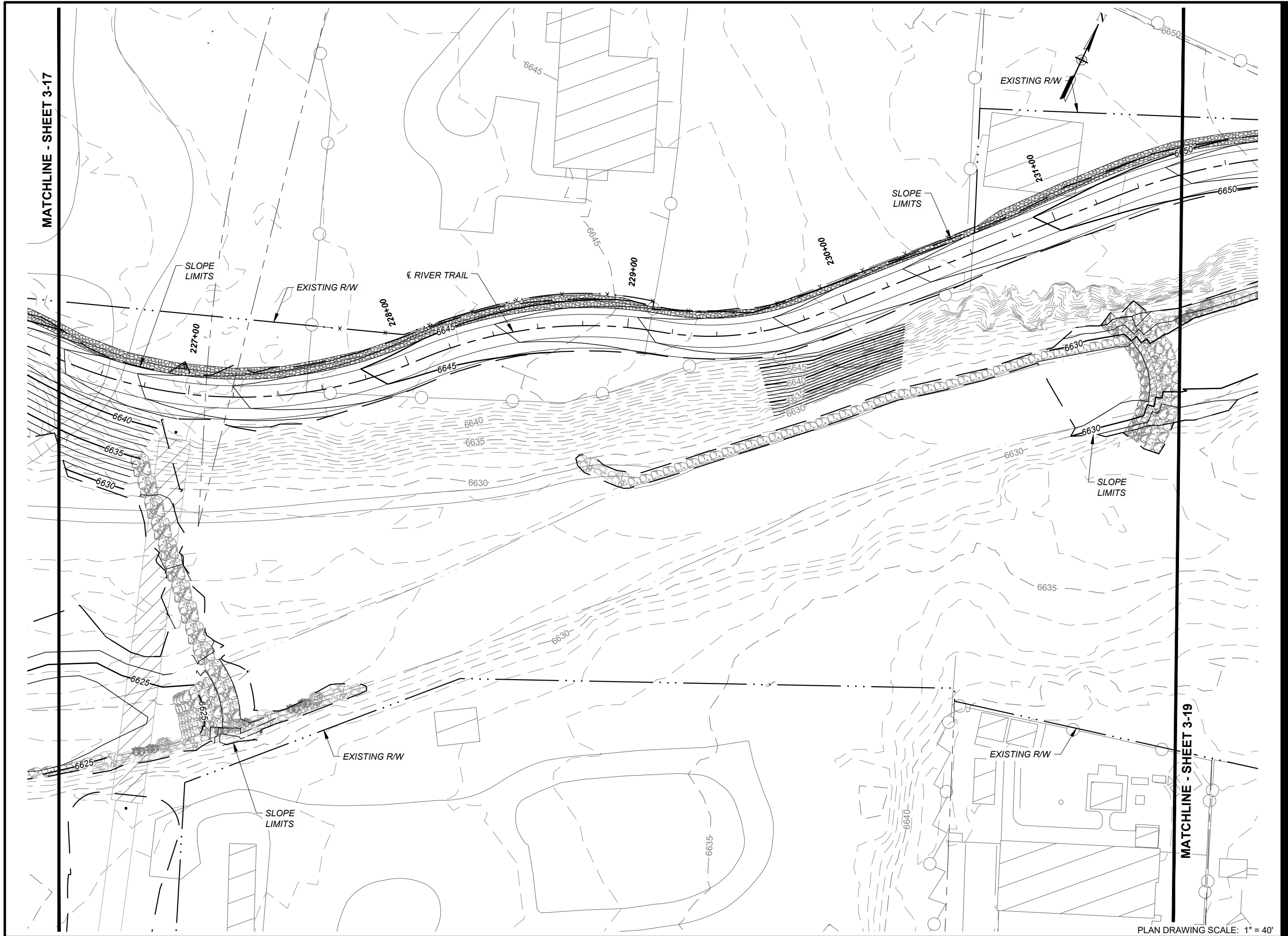
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**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 GRADING PLANS

**SHEET NUMBER**  
 2 - 19

PLAN DRAWING SCALE: 1" = 40'



PLAN DRAWING SCALE: 1" = 40'



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)


**CLIENT**  
**SANTA FE COUNTY**  
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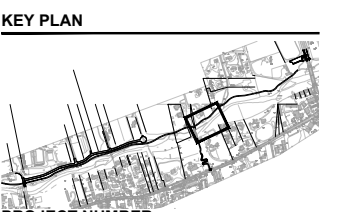
**SUBCONSULTANTS**  
**GEOTECHNICAL**  
TERRACON  
T 505.797.4287  
**LANDSCAPE ARCHITECTURE**  
DESIGN OFFICE  
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**SUBSURFACE UTILITY ENGINEERING**  
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**REGISTRATION**



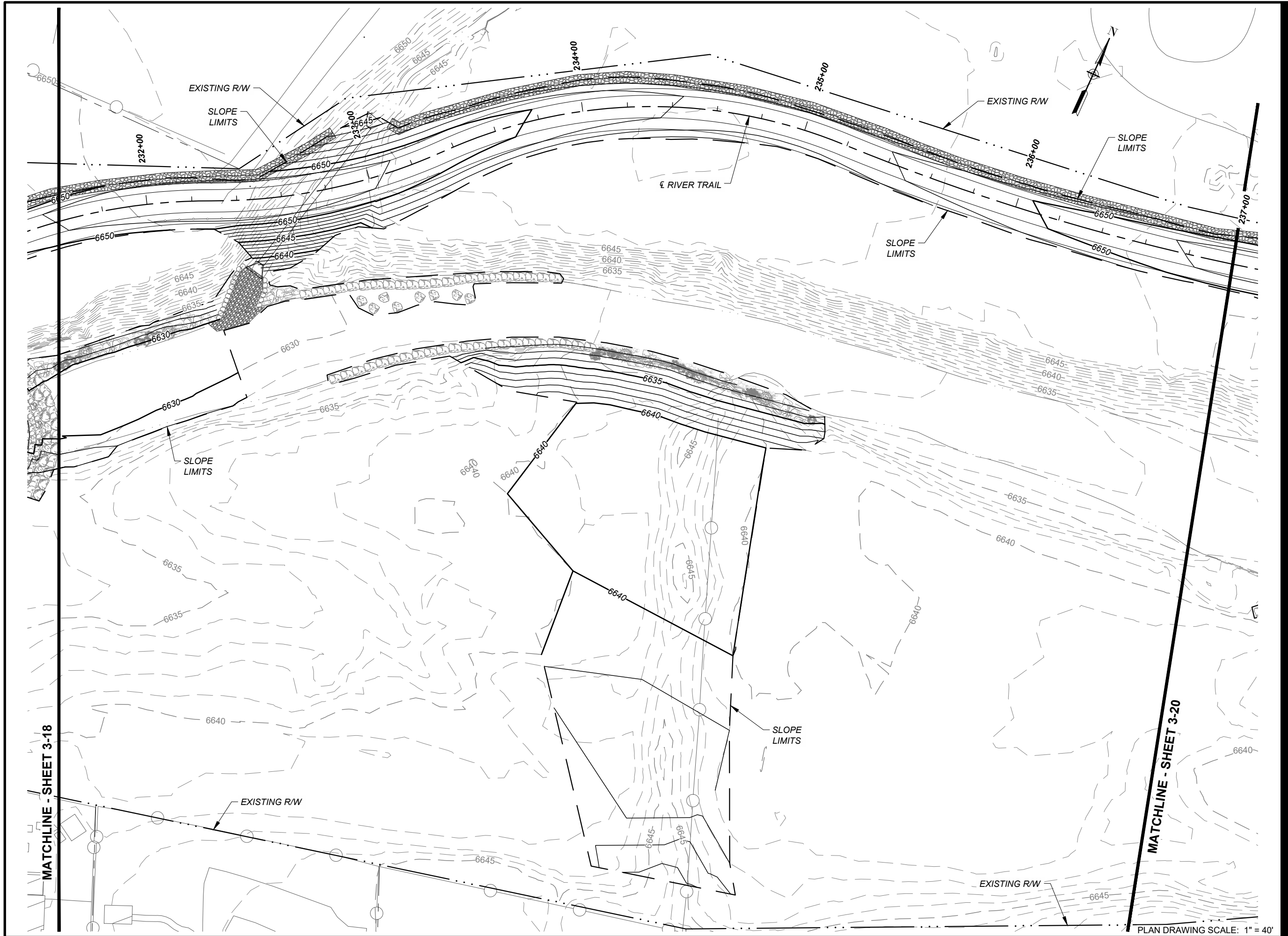
**ISSUE/REVISION**

I/R	DATE	DESCRIPTION



**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
GRADING PLANS  
**SHEET NUMBER**  
2 - 20





**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
SANTA FE  
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100 Catron St.  
Santa Fe, New Mexico 87501  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 21

PLAN DRAWING SCALE: 1" = 40'





**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
SANTA FE  
COUNTY  
100 Catron St.  
Santa Fe, New Mexico 87501  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



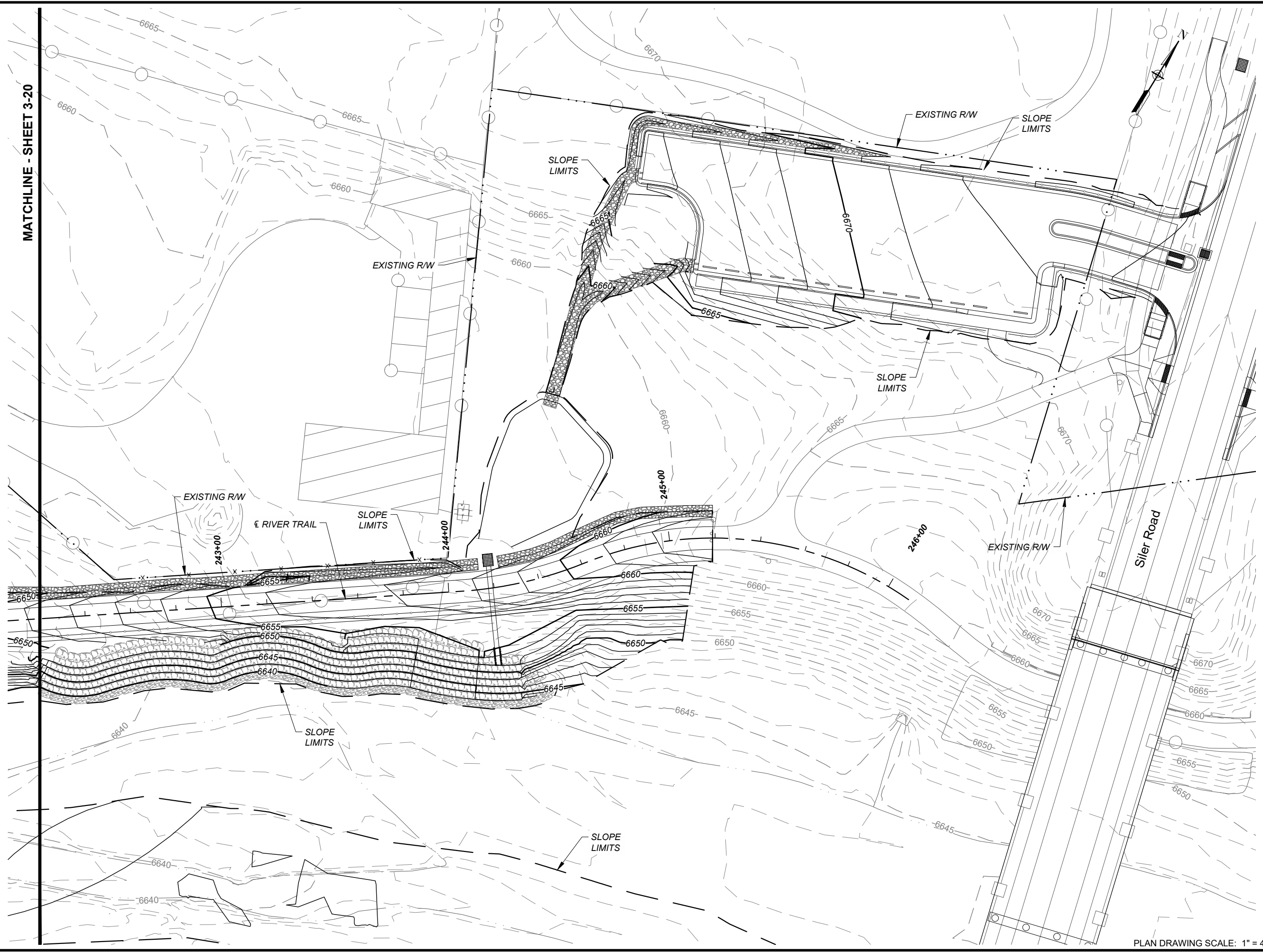
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357-7708  
**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 22

PLAN DRAWING SCALE: 1" = 40'



MATCHLINE - SHEET 3-20



PLAN DRAWING SCALE: 1" = 40'



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

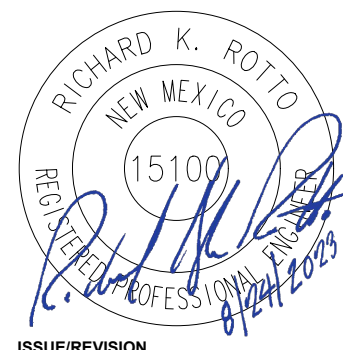
**CLIENT**  
**SANTA FE COUNTY**  
100 Catron St.  
Santa Fe, New Mexico 87501  
T 505.986.6200  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

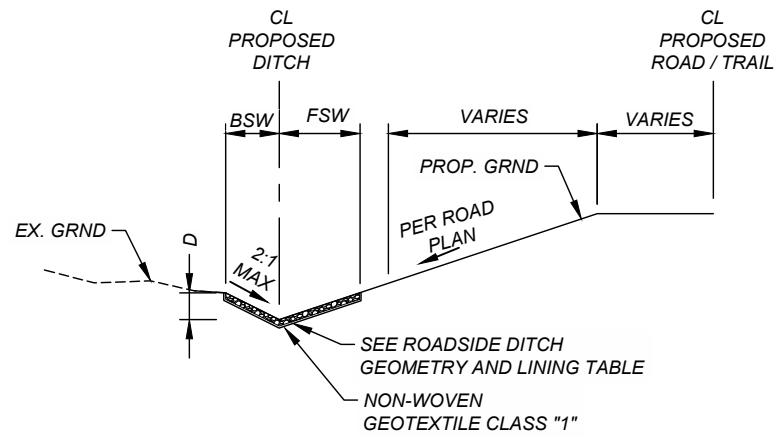
**KEY PLAN**



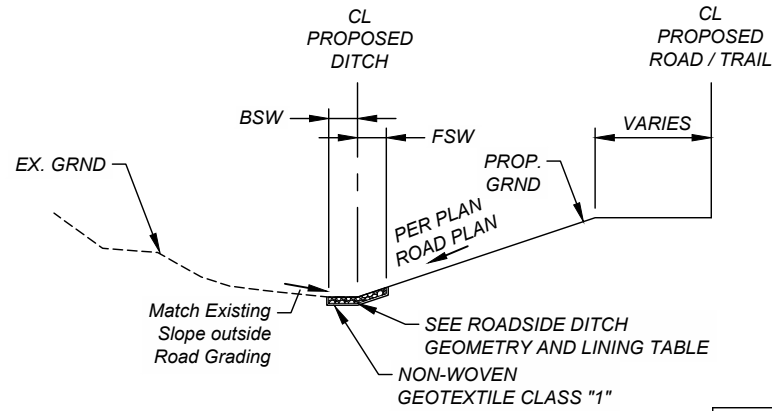
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357-7708  
**SHEET TITLE**  
GRADING PLANS

**SHEET NUMBER**  
2 - 23

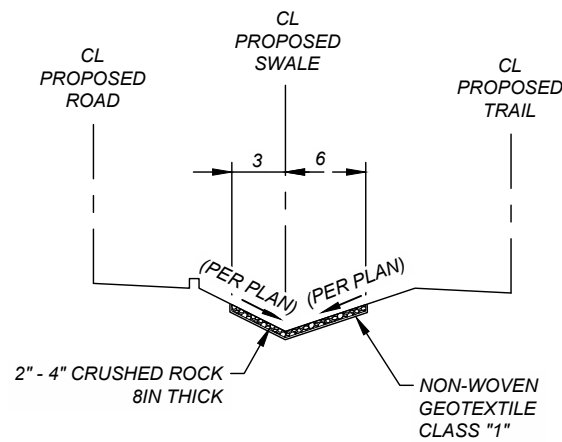




**TYPE 1 DITCH  
 ROADSIDE V-DITCH  
 N.T.S**



**TYPE 2 DITCH  
 ROADSIDE DIKE  
 N.T.S**



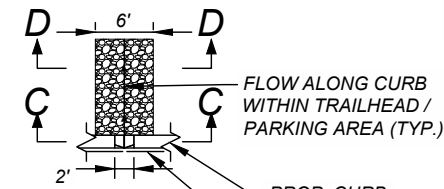
**MEDIAN SWALE  
 N.T.S.**

ROADSIDE / TRAIL DITCH SCHEDULE								
ALIGNMENT	START (ft)	END (ft)	LENGTH (ft)	THICKNESS (ft)	VOLUME (cy)	2IN - 4IN CRUSHED (CY)	RIPRAP CLASS C (CY)	UNCLASSIFIED EXCAVATION (CY)
CL RIVER TRAIL	244+85	244+07	145	0.50	18	18		9
CL RIVER TRAIL	244+07	243+10	97	0.50	12	12		6
CL RIVER TRAIL	243+10	239+89	317	0.50	39	39		19
CL RIVER TRAIL	237+66	239+89	226	0.50	28	28		14
CL RIVER TRAIL	237+66	233+54	420	0.50	51	51		26
CL RIVER TRAIL	232+33	228+04	435	0.50	53	53		27
CL RIVER TRAIL	228+04	226+27	177	0.50	22	22		11
CL RIVER TRAIL	226+27	225+18	114	0.50	14	14		7
CL RIVER TRAIL	225+18	224+82	37	1.50	14		14	7
CL RIVER TRAIL	224+82	224+05	77	1.50	28		28	14
CL RIVER TRAIL	223+50	224+05	54	1.50	20		20	10
CL RIVER TRAIL	223+50	222+72	79	0.50	10	10		5
CL RIVER TRAIL	222+72	222+51	22	1.50	8		8	4
CL RIVER TRAIL	222+40	219+61	277	0.50	34	34		17
CL RIVER TRAIL	219+11	219+61	130	0.50	16	16		8
CL RIVER TRAIL	218+78	214+56	456	0.50	56	56		28
CL RIVER TRAIL	214+11	214+56	44	0.50	5	5		3
CL RIVER TRAIL	213+80	211+37	254	0.50	31	31		16
CL RIVER TRAIL	211+01	208+73	219	0.50	27	27		13
CL RIVER TRAIL	208+10	206+98	118	0.50	14	14		7
CL RIVER TRAIL	206+98	200+51	642	0.50	78	78		39
CL RIVER TRAIL	219+08	200+53	1189	0.50	145	145		73
TRAILHEAD TO WQ POND	N.A.	N.A.	163	0.50	20	20		10
TRAILHEAD DIVERSION	N.A.	N.A.	161	0.5	13	13		7

**NOTES:**

- FOR TYPE 1 AND TYPE 2 DITCHES END LINING AND GRADING AT PROPERTY LINE OR EASEMENT. MAINTAIN SAME VOLUME OF RIPRAP, BY INCREASING THICKNESS EVENLY FOR PORTION WITHIN PROPERTY LINE OR EASEMENT.
- FOR LOCATIONS ON MEDIAN SWALE WHERE LINING WITH EXCEEDS AVAILABLE SPACE, END RIPRAP AT 2' FROM EDGE OF PAVED ROADWAY SECTION. MAINTAIN SAME VOLUME BY INCREASING THICKNESS EVENLY FOR PORTION BETWEEN ROADWAY.
- GRADE TO DRAIN IN THE DIRECTION OF THE START AND END STATION WHERE MINOR VARIATIONS IN GROUND ELEVATIONS PREVENT POSITIVE DRAINAGE. DITCHES DRAIN TOWARD THE END STATION IN THE ROADSIDE DITCH GEOMETRY AND LINING TABLE.
- STATIONS PROVIDED HERE ARE BASED ON SFRG\_PR\_TRAIL CENTERLINE ALIGNMENT. DITCH PLACEMENT SHOULD TAKE PLACE AS SHOWN IN PLAN AND WHERE OFFSITE FLOW FIRST CONTACTS IMPROVEMENTS.

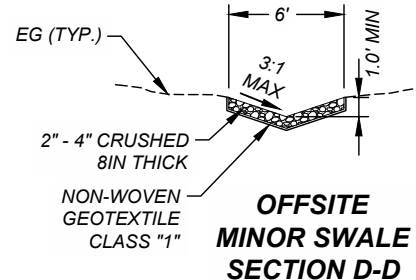
CURB CUT LOCATION TABLE		
Alignment	Location	Type
CL PASADA SAN JUAN	418+98 - 45.7 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	413+71 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	410+72 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	406+40 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	403+80 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	400+50 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
CL PASADA SAN JUAN	400+60 - 12.5 RT	CURB CUT DRAIN TO MEDIAN
TRAILHEAD	N: 1698179.57 E: 1715755.79	CURB CUT TRAILHEAD
TRAILHEAD	N: 1698200.86 E: 1715714.05	CURB CUT TRAILHEAD



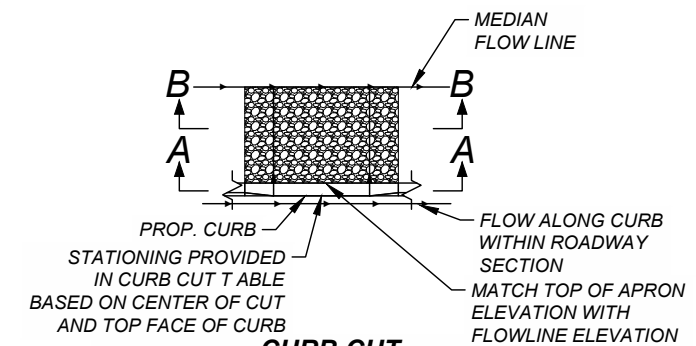
**CURB CUT TRAILHEAD  
 PLAN VIEW**



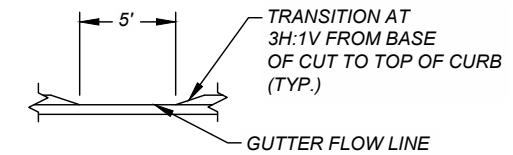
**CURB CUT TRAILHEAD  
 SECTION C-C**



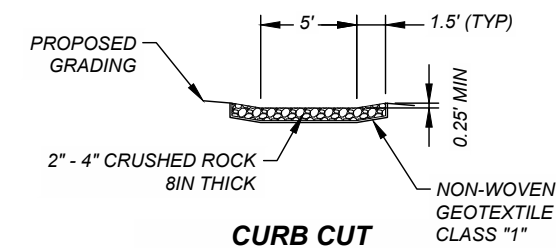
**OFFSITE MINOR SWALE  
 SECTION D-D**



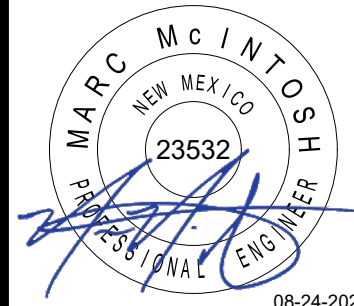
**CURB CUT AND DRAIN TO MEDIAN  
 PLAN VIEW**



**CURB CUT AND DRAIN TO MEDIAN  
 SECTION A-A**



**CURB CUT AND DRAIN TO MEDIAN  
 SECTION B-B**



08-24-2023

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I/R	DATE	DESCRIPTION

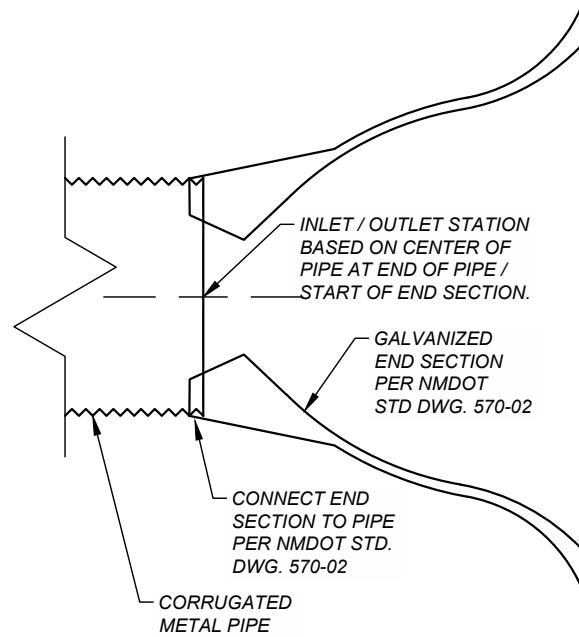


I/R	DATE	DESCRIPTION

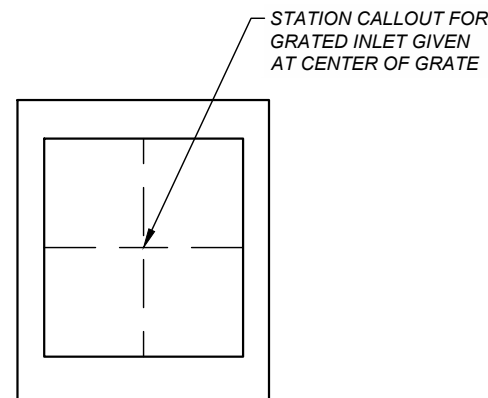
ALIGNMENT NAME.	CL STATION.	INLET STATION	INLET OFFSET	OUTLET STATION	OUTLET OFFSET
CL RIVER TRAIL	239+91	239+89.37	13.41 LT	239+95.19	56.06 RT
CL RIVER TRAIL	232+76	233+06.66	22.31 LT	232+48.50	28.96 RT
CL RIVER TRAIL	224+01	224+04.31	12.44 LT	223+97.45	12.47 RT
CL RIVER TRAIL	222+46	222+50.63	13.28 LT	222+38.91	17.38 RT
CL RIVER TRAIL	219+51	219+59.43	15.68 LT	219+43.80	14.42 RT
CL RIVER TRAIL	214+46	214+55.09	47.79 LT	214+42.44	17.25 RT
CL RIVER TRAIL	211+22	211+35.98	66.04 LT	211+16.31	19.37 RT
CL RIVER TRAIL	208+60	208+72.85	54.84 LT	208+54.41	24.93 RT
CL RIVER TRAIL	200+50 <sup>(3)</sup>	200+51.23 <sup>(3)</sup>	60.56 LT <sup>(3)</sup>	200+51.77 <sup>(3)</sup>	13.79 LT <sup>(3)</sup>
CL RIVER TRAIL	200+50 <sup>(3)</sup>	200+51.77 <sup>(3)</sup>	13.79 LT <sup>(3)</sup>	200+36.85	103.75 RT
CL RIVER TRAIL	244+19 <sup>(3)</sup>	244+19.05 <sup>(3)</sup>	12.45 LT <sup>(3)</sup>	244+17.45	34.05 RT

NOTES:

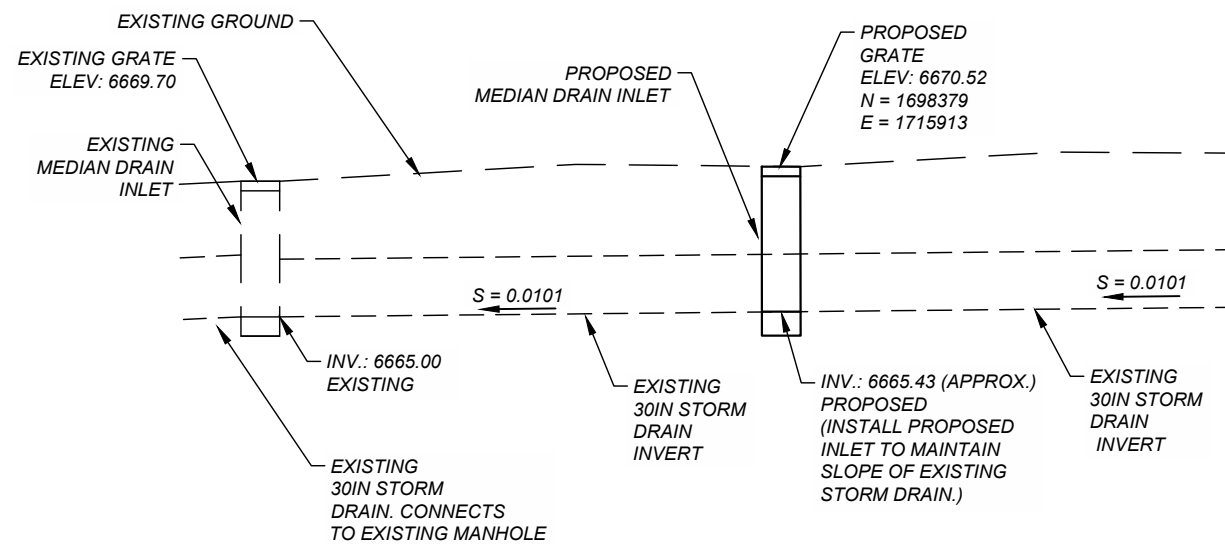
- 1) CULVERT IDENTIFIED BY THE STATION AT WHICH IT CROSSES THE PROPOSED SANTA FE RIVER GREENWAY TRAIL CENTERLINE.
- 2) THE LOCATION WHERE THE CULVERT CROSSES THE CENTERLINE IS APPROXIMATE AND ACTUAL PLACEMENT OF THE CULVERT SHOULD BE BASED ON THE INLET / OUTLET STATIONS AND OFFSETS PROVIDED HEREIN..
- 3) LOCATIONS MARKED WITH NOTE THREE ARE FOR GRATED INLETS. STATION CALLOUTS FOR GRATED INLETS HEREIN ARE FOR CENTER OF GRATE. GRATED INLETS SHALL CONFORM TO NMDOT STD. DWG. 623-02 NO 1 - TYPE 1.
- 4) INVERT ELEVATIONS AND PIPE MATERIAL ARE PROVIDED IN DRAINAGE PLAN AND PROFILE SHEETS.
- 5) BACKFILL AND BEDDING FOR CULVERTS SHALL BE PER NMDOT STD. DWG. 206-07 AND NMDOT STANDARD SPECIFICATION 206.
- 6) CORRUGATED METAL PIPE USED FOR CROSS CULVERTS SHALL CONFORM TO NMDOT STANDARD SPECIFICATION 570 FOR CORRUGATED METAL PIPE.
- 7) PIPE LENGTHS WITHIN GRATED INLET BOXES ARE INCIDENTAL TO THE COST OF THE STRUCTURE.



**CORRUGATED METAL END SECTION  
PLAN VIEW  
N.T.S.**



**MEDIAN DROP INLET  
PLAN VIEW  
SEE NMDOT STD. DWG. 623-02  
N.T.S.**



**PROFILE VIEW OF PROPOSED  
MEDIAN DRAIN INLET ADJACENT TO SILER ROAD  
N.T.S.**

NOTES:

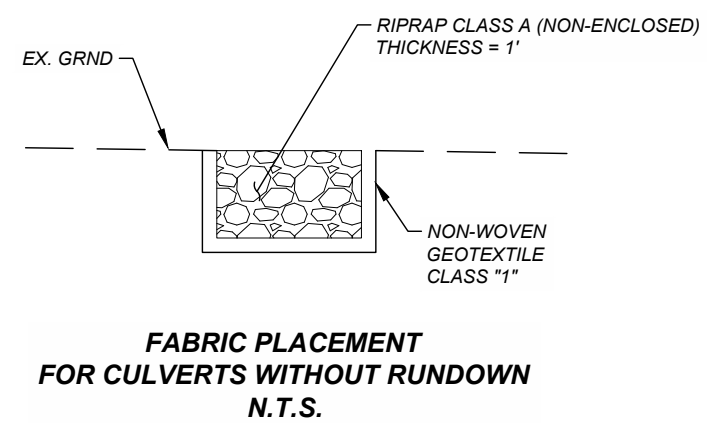
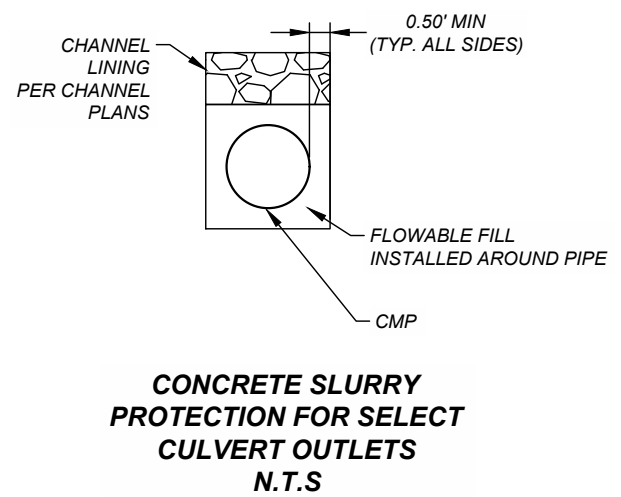
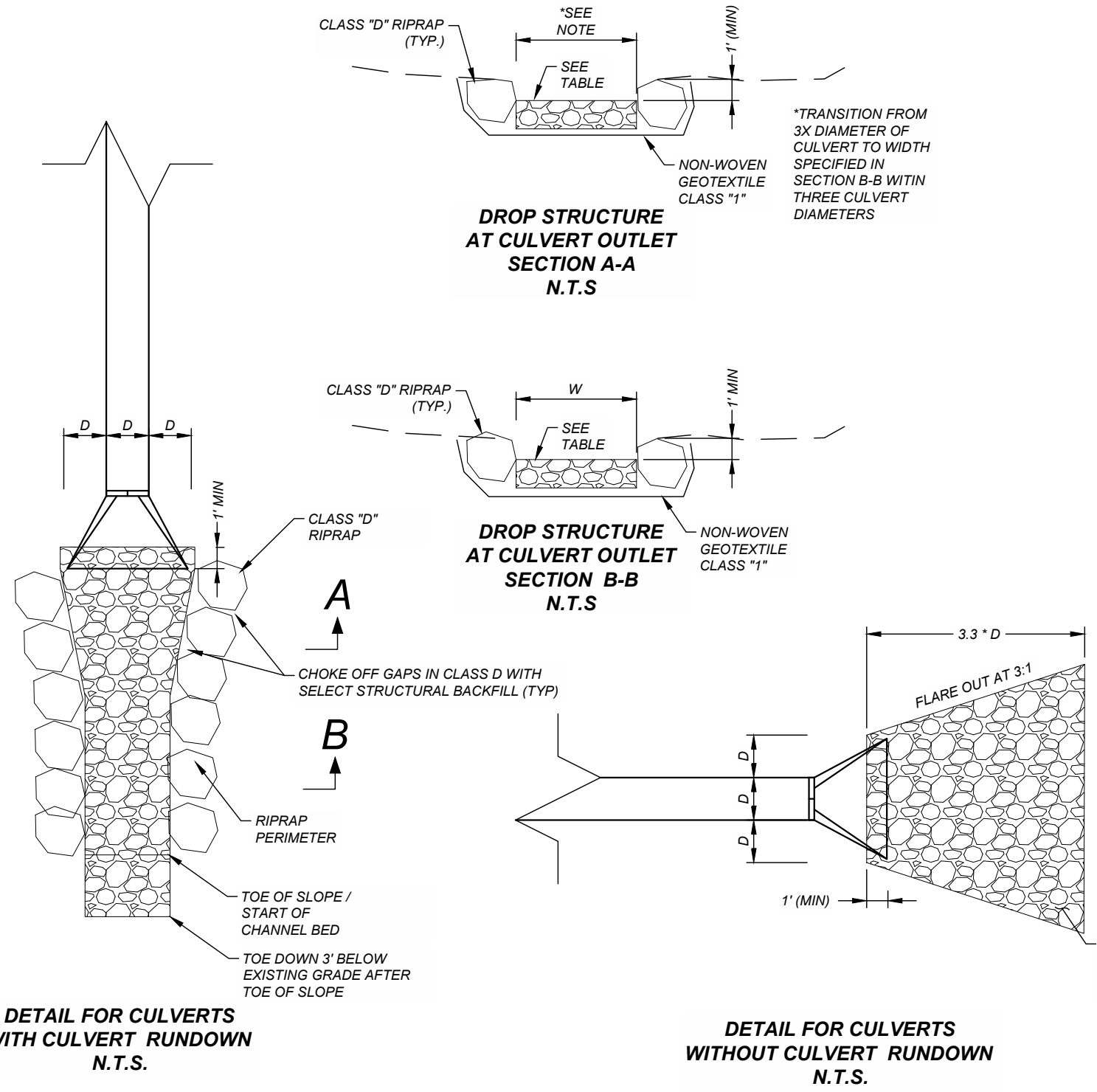
- 1) INSTALL MEDIAN DRAIN INLET NO 1 - TYPE 1 AT LOCATION SPECIFIED IN TABLE.
- 2) MEDIAN DRAIN INLET SHALL BE PER NMDOT STD. DWG. 623-02
- 3) INLET SHALL TIE INTO EXISTING 30 INCH STORM DRAIN LINE
- 4) INFORMATION ON EXISTING STORM DRAIN TAKEN FROM SILER ROAD EXTENSION AS-BUILT DRAWINGS SUBMITTED TO SANTA FE COUNTY FEBRUARY 17, 2009. CONTRACTOR TO FIELD VERIFY STORM DRAIN SYSTEM PRIOR TO INSTALLATION.



**ISSUE/REVISION**

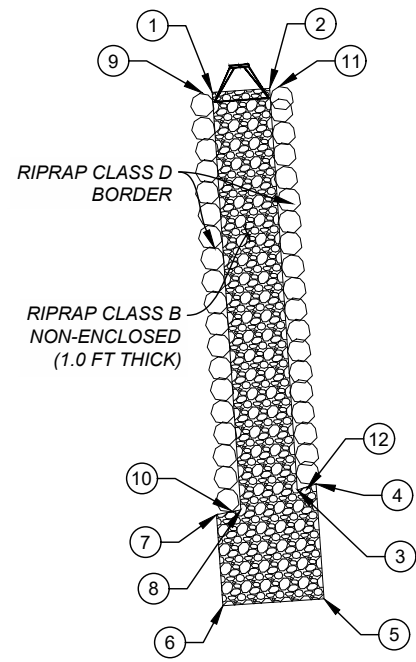
I/R	DATE	DESCRIPTION

**KEY PLAN**

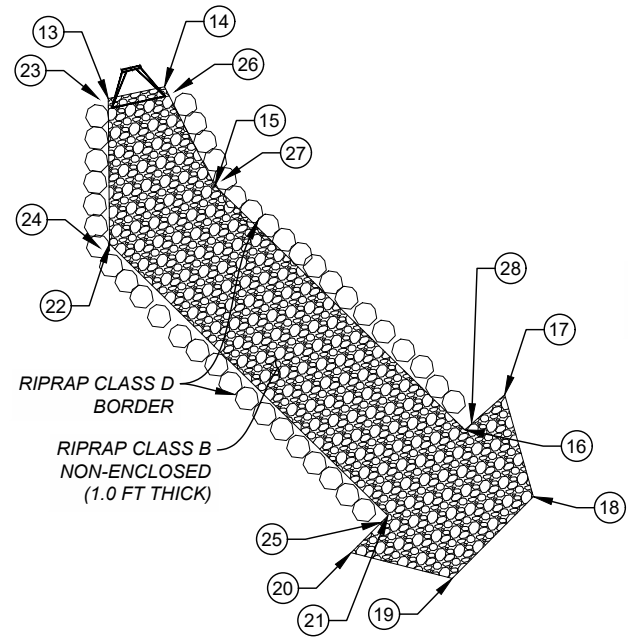


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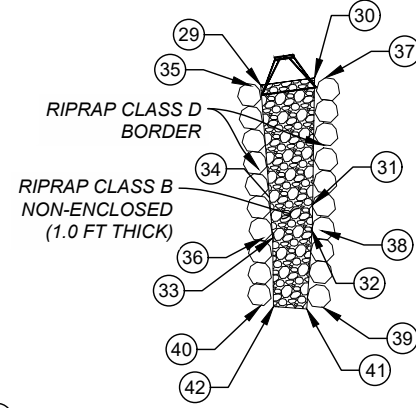




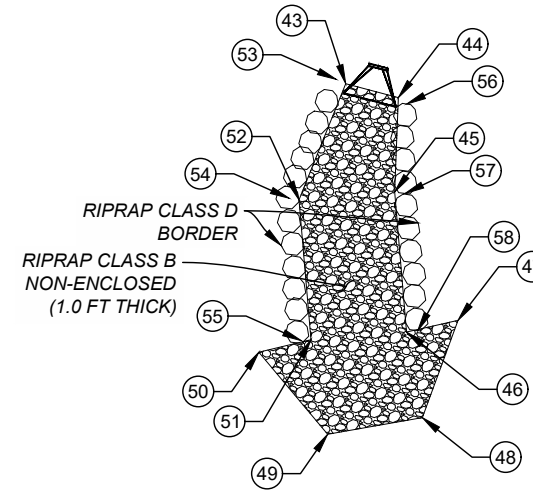
**CULVERT CROSSING TRAIL AT 208+60**



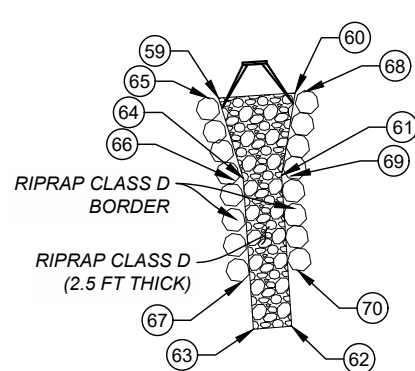
**CULVERT CROSSING TRAIL AT 211+22**



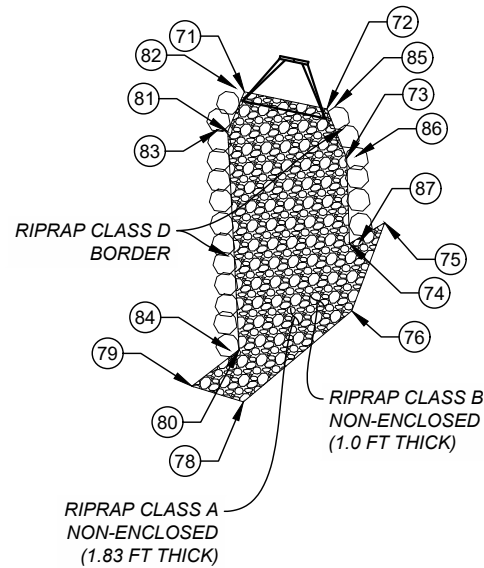
**CULVERT CROSSING TRAIL AT 214+47**



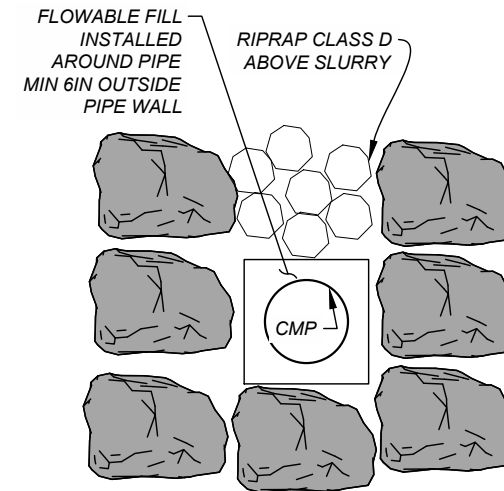
**CULVERT CROSSING TRAIL AT 219+51**



**CULVERT CROSSING TRAIL AT 224+00**



**CULVERT CROSSING TRAIL AT 232+76**



**CULVERT OUTFALL FOR CULVERT CROSSING TRAIL AT 244+19**

- NOTES:**
- SEE DETAIL FOR CULVERT RUNDOWNS FOR CULVERT RUNDOWNS BORDER THICKNESS ESTIMATED AT 2' WITH CENTERLINE OF BORDER 1' AWAY FROM EDGE OF CHUTE. WIDTH OF BORDER ESTIMATED AT 2' (NEAR D70 OF RIPRAP CLASS D
  - 5 PERCENT ADDED TO RIPRAP AREA TO ACCOUNT FOR INCREASED LENGTH DUE TO SLOPE

POINT	NORTHING	EASTING	DESCRIPTION
1	1,696,635.75	1,712,549.32	EDGE OF CHUTE
2	1,696,636.16	1,712,555.31	EDGE OF CHUTE
3	1,696,594.33	1,712,558.18	EDGE OF CHUTE
4	1,696,594.97	1,712,560.14	EDGE OF CHUTE
5	1,696,583.00	1,712,560.96	EDGE OF CHUTE
6	1,696,582.28	1,712,550.43	EDGE OF CHUTE
7	1,696,591.77	1,712,549.78	EDGE OF CHUTE
8	1,696,592.26	1,712,552.31	EDGE OF CHUTE
9	1,696,635.68	1,712,548.32	CENTER OF BORDER
10	1,696,592.19	1,712,551.31	CENTER OF BORDER
11	1,696,636.23	1,712,556.30	CENTER OF BORDER
12	1,696,594.40	1,712,559.18	CENTER OF BORDER
13	1,696,761.24	1,712,783.25	EDGE OF CHUTE
14	1,696,762.49	1,712,789.12	EDGE OF CHUTE
15	1,696,752.17	1,712,794.37	EDGE OF CHUTE
16	1,696,726.75	1,712,820.41	EDGE OF CHUTE
17	1,696,730.39	1,712,824.56	EDGE OF CHUTE
18	1,696,719.79	1,712,827.54	EDGE OF CHUTE
19	1,696,711.26	1,712,819.09	EDGE OF CHUTE
20	1,696,713.95	1,712,808.55	EDGE OF CHUTE
21	1,696,717.80	1,712,812.39	EDGE OF CHUTE
22	1,696,746.12	1,712,783.39	EDGE OF CHUTE
23	1,696,761.23	1,712,782.25	CENTER OF BORDER
24	1,696,745.70	1,712,782.39	CENTER OF BORDER
25	1,696,717.09	1,712,811.69	CENTER OF BORDER
26	1,696,761.98	1,712,790.21	CENTER OF BORDER
27	1,696,752.78	1,712,795.18	CENTER OF BORDER
28	1,696,727.46	1,712,821.10	CENTER OF BORDER
29	1,696,858.93	1,713,090.76	EDGE OF CHUTE
30	1,696,859.68	1,713,096.38	EDGE OF CHUTE
31	1,696,853.59	1,713,096.29	EDGE OF CHUTE
32	1,696,844.21	1,713,096.16	EDGE OF CHUTE
33	1,696,843.01	1,713,092.03	EDGE OF CHUTE
34	1,696,852.65	1,713,091.26	EDGE OF CHUTE
35	1,696,858.85	1,713,089.77	CENTER OF BORDER
36	1,696,842.97	1,713,091.03	CENTER OF BORDER
37	1,696,859.66	1,713,097.38	CENTER OF BORDER
38	1,696,843.72	1,713,097.12	CENTER OF BORDER
39	1,696,835.55	1,713,096.56	CENTER OF BORDER
40	1,696,835.85	1,713,091.11	CENTER OF BORDER
41	1,696,835.62	1,713,095.56	EDGE OF CHUTE
42	1,696,835.86	1,713,092.11	EDGE OF CHUTE
43	1,696,977.97	1,713,570.49	EDGE OF CHUTE
44	1,696,976.51	1,713,575.96	EDGE OF CHUTE
45	1,696,966.70	1,713,575.59	EDGE OF CHUTE
46	1,696,952.10	1,713,576.83	EDGE OF CHUTE
47	1,696,953.32	1,713,582.18	EDGE OF CHUTE
48	1,696,943.18	1,713,578.48	EDGE OF CHUTE
49	1,696,941.44	1,713,568.60	EDGE OF CHUTE
50	1,696,950.00	1,713,561.43	EDGE OF CHUTE
51	1,696,951.29	1,713,566.87	EDGE OF CHUTE
52	1,696,965.87	1,713,565.62	EDGE OF CHUTE
53	1,696,978.23	1,713,569.52	CENTER OF BORDER
54	1,696,966.03	1,713,564.60	CENTER OF BORDER
55	1,696,951.21	1,713,565.88	CENTER OF BORDER
56	1,696,976.28	1,713,576.94	CENTER OF BORDER
57	1,696,967.34	1,713,576.60	CENTER OF BORDER
58	1,696,952.18	1,713,577.82	CENTER OF BORDER
59	1,697,138.79	1,713,991.43	EDGE OF CHUTE
60	1,697,139.33	1,713,999.41	EDGE OF CHUTE
61	1,697,130.72	1,713,997.99	EDGE OF CHUTE
62	1,697,115.03	1,713,999.05	EDGE OF CHUTE
63	1,697,114.70	1,713,995.07	EDGE OF CHUTE
64	1,697,130.44	1,713,994.00	EDGE OF CHUTE
65	1,697,138.50	1,713,990.47	CENTER OF BORDER
66	1,697,130.26	1,713,993.01	CENTER OF BORDER
67	1,697,119.20	1,713,993.76	CENTER OF BORDER
68	1,697,139.17	1,714,000.39	CENTER OF BORDER
69	1,697,130.67	1,713,998.99	CENTER OF BORDER
70	1,697,119.83	1,713,999.73	CENTER OF BORDER
71	1,697,541.15	1,714,719.07	EDGE OF CHUTE
72	1,697,539.36	1,714,727.68	EDGE OF CHUTE
73	1,697,534.22	1,714,729.72	EDGE OF CHUTE
74	1,697,525.32	1,714,730.02	EDGE OF CHUTE
75	1,697,527.50	1,714,733.69	EDGE OF CHUTE
76	1,697,518.33	1,714,730.26	EDGE OF CHUTE
78	1,697,508.84	1,714,718.96	EDGE OF CHUTE
79	1,697,510.47	1,714,713.61	EDGE OF CHUTE
80	1,697,514.27	1,714,718.53	EDGE OF CHUTE
81	1,697,537.00	1,714,717.34	EDGE OF CHUTE
82	1,697,541.53	1,714,718.15	CENTER OF BORDER
83	1,697,537.17	1,714,716.33	CENTER OF BORDER
84	1,697,514.22	1,714,717.53	CENTER OF BORDER
85	1,697,539.73	1,714,728.61	CENTER OF BORDER
86	1,697,534.42	1,714,730.71	CENTER OF BORDER
87	1,697,525.35	1,714,731.02	CENTER OF BORDER



08-24-2023

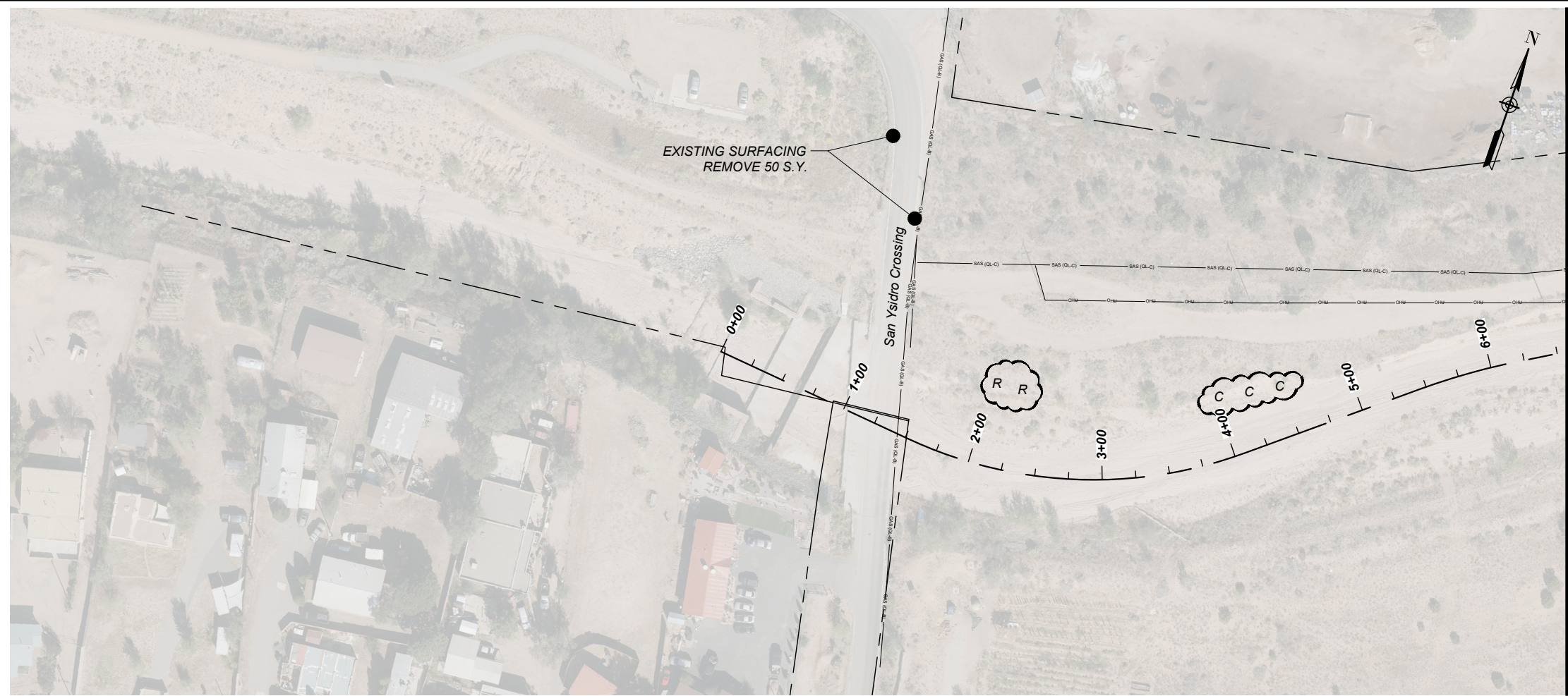
I/R	DATE	DESCRIPTION

357-7708

DRAINAGE DETAILS

2 - 27



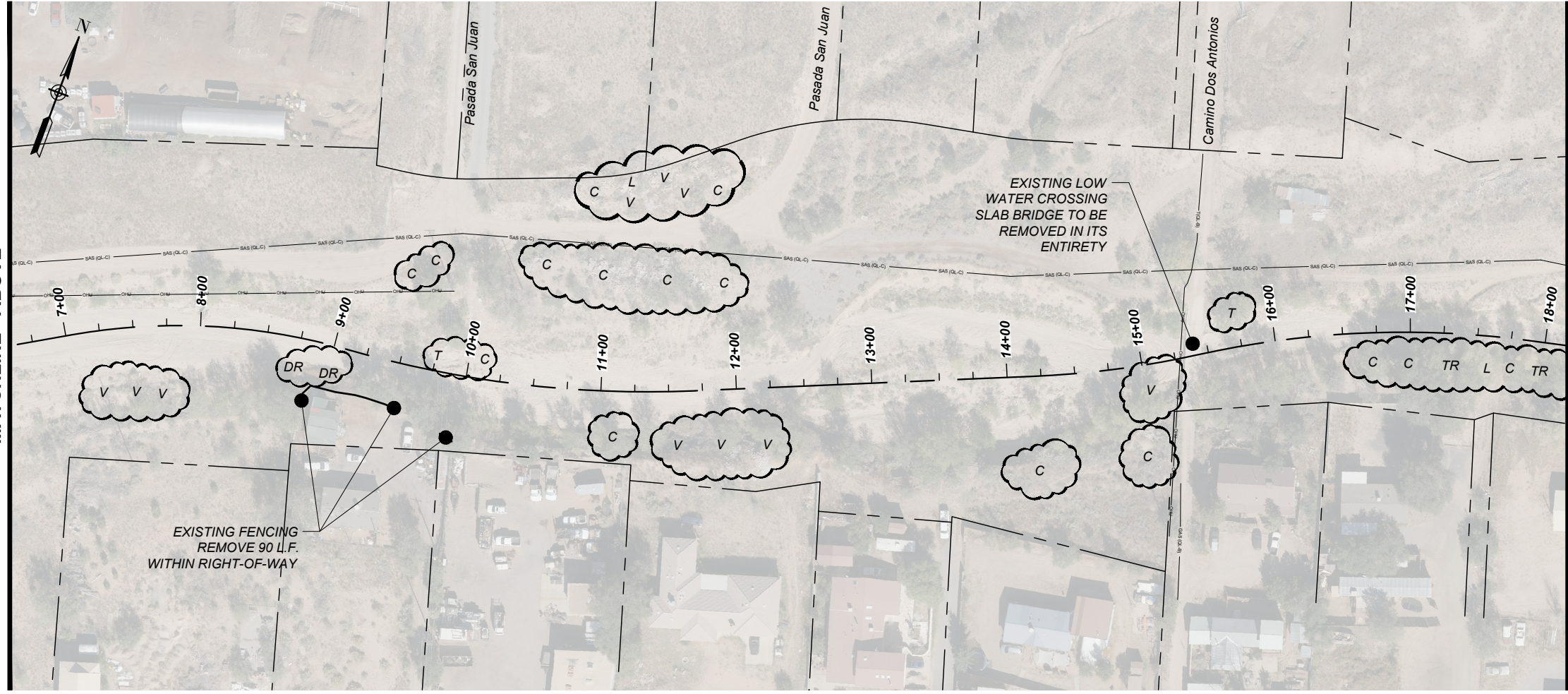


**NOTES:**

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- ALL WORK REQUIRED FOR REMOVAL OF MAN MADE DEBRIS AND TRASH, INCLUDING REMOVAL, PROCESSING, AND/OR BURIAL OF CONCRETE WASTE MATERIAL, SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, AND NO SEPARATE MEASUREMENT SHALL BE MADE THEREOF.

MATCHLINE - BELOW

PLAN DRAWING SCALE: 1" = 100'  
PLAN DRAWING SCALE: 1" = 100'



**LEGEND:**

- PROPERTY LINE
- FO FO FO FIBER OPTICS
- - - - PUBLIC SEWERLINE
- ⊙ SEWER MANHOLE
- OH OH OH OVERHEAD LINE
- ⚡ POWER POLE
- - - - GAS LINE
- ☁ DEBRIS

- D R D DIRT, ROCK PILES
- A A A ASPHALT DEBRIS
- V V V VEGETATION PILES
- C C CONCRETE DEBRIS
- L L LUMBER DEBRIS
- T T TIRES DEBRIS
- TR TR TRASH PILES

MATCHLINE - ABOVE

MATCHLINE - SHEET 2-29

EXISTING FENCING REMOVE 90 L.F. WITHIN RIGHT-OF-WAY

EXISTING LOW WATER CROSSING SLAB BRIDGE TO BE REMOVED IN ITS ENTIRETY



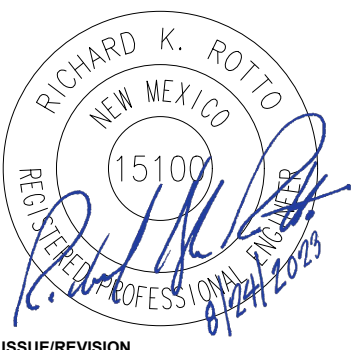
**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
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**REGISTRATION**



**ISSUE/REVISION**

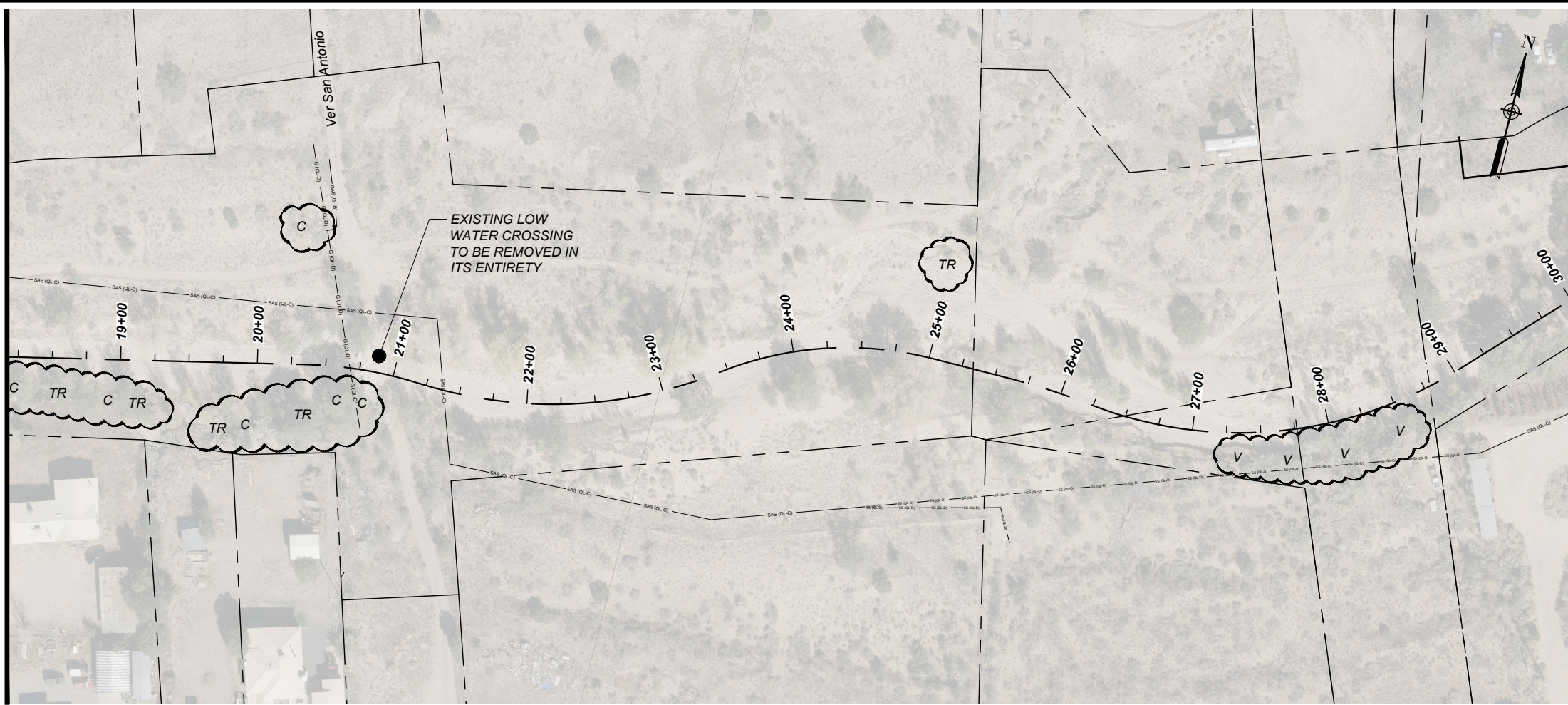
I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
REMOVALS PLAN  
**SHEET NUMBER**  
2 - 28



MATCHLINE - SHEET 2-28



PLAN DRAWING SCALE: 1" = 100'  
PLAN DRAWING SCALE: 1" = 100'

MATCHLINE - BELOW

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**SUBCONSULTANTS**

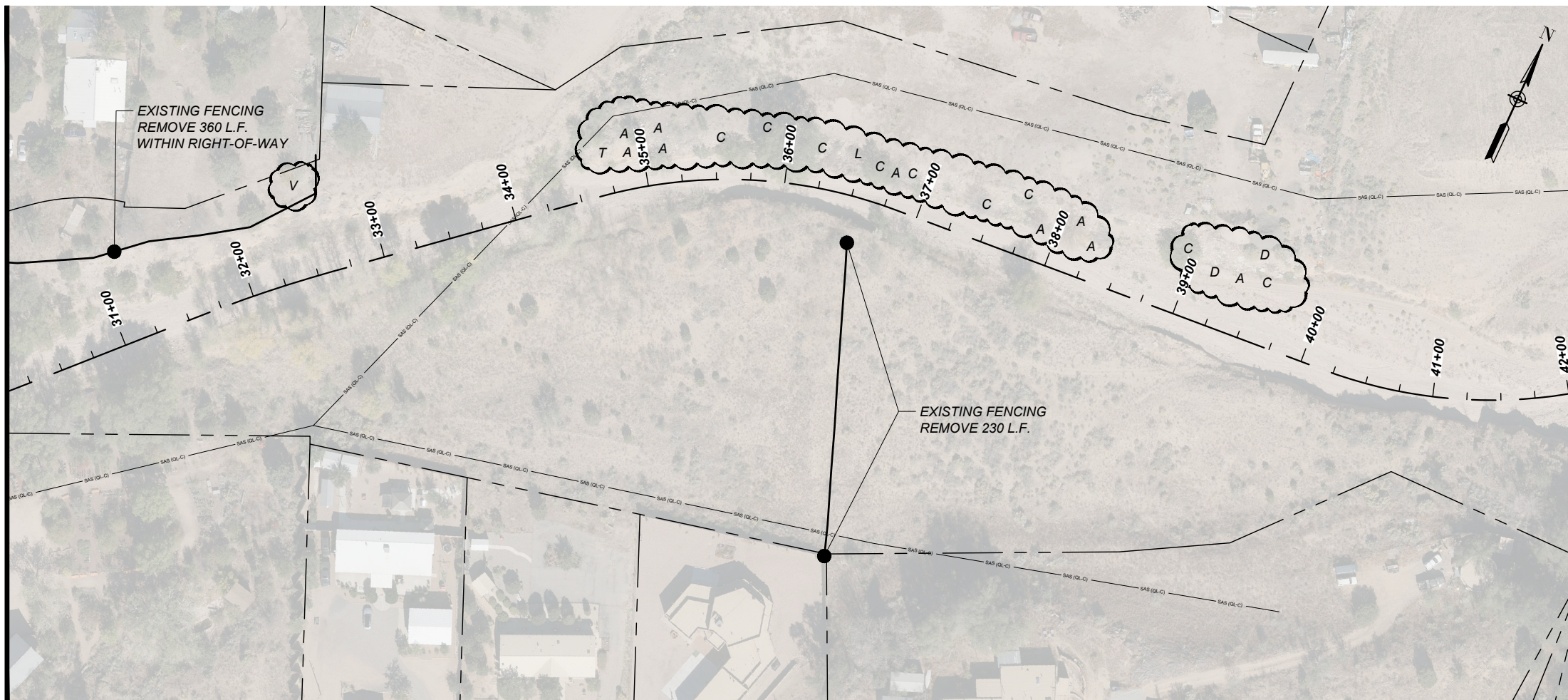
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MATCHLINE - ABOVE



PLAN DRAWING SCALE: 1" = 100'  
PLAN DRAWING SCALE: 1" = 100'

MATCHLINE - SHEET 2-30

**LEGEND:**

- PROPERTY LINE
- FO FO FO FIBER OPTICS
- C-C-C PUBLIC SEWERLINE
- ⊙ SEWER MANHOLE
- OH OH OH OVERHEAD LINE
- ⚡ POWER POLE
- G-G-G GAS LINE
- ☁ DEBRIS
- D R D DIRT, ROCK PILES
- A A A ASPHALT DEBRIS
- V V V VEGETATION PILES
- C C CONCRETE DEBRIS
- L L LUMBER DEBRIS
- T T TIRES DEBRIS
- TR TR TRASH PILES

**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**

357-7708

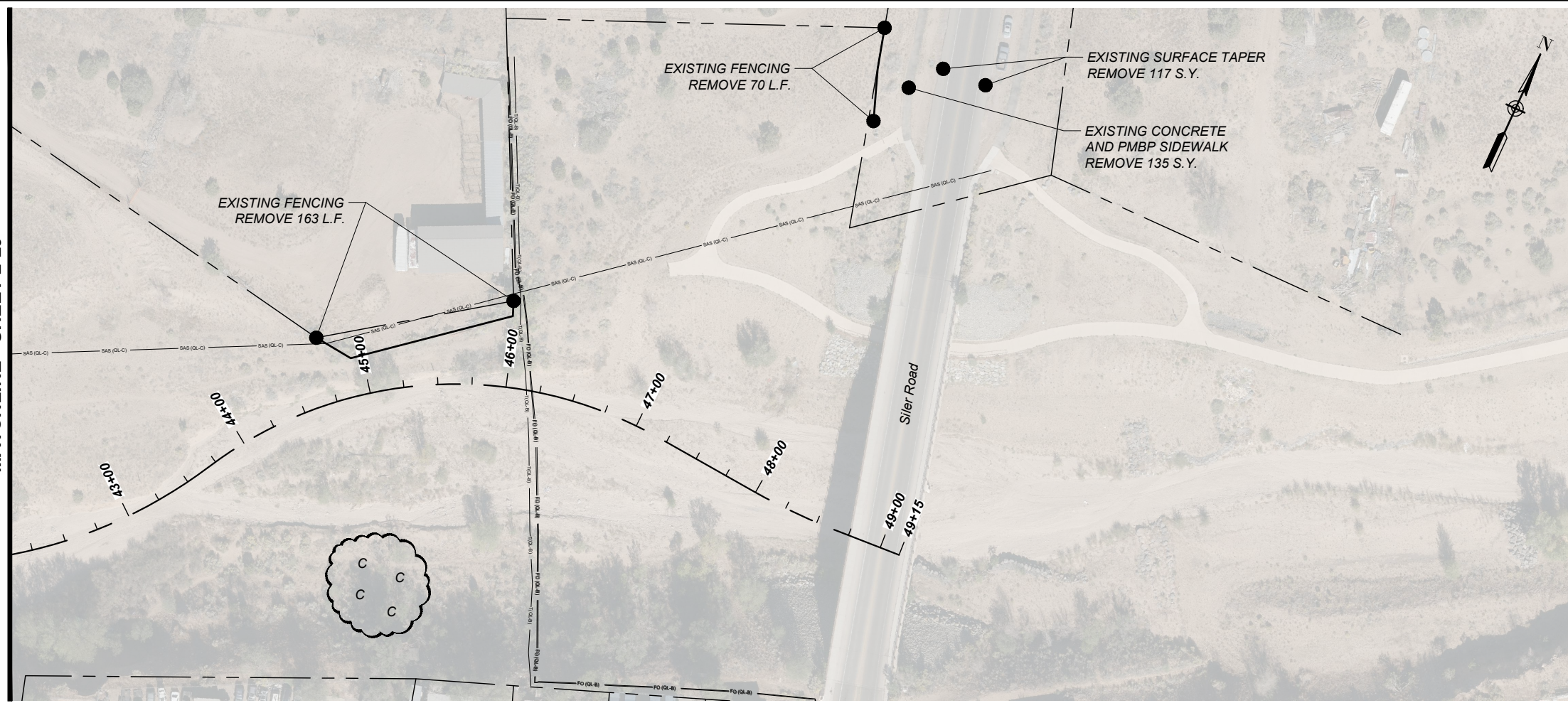
**SHEET TITLE**

REMOVALS PLAN

**SHEET NUMBER**

2 - 29





**NOTES:**

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PLAN DRAWING SCALE: 1" = 100'



**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

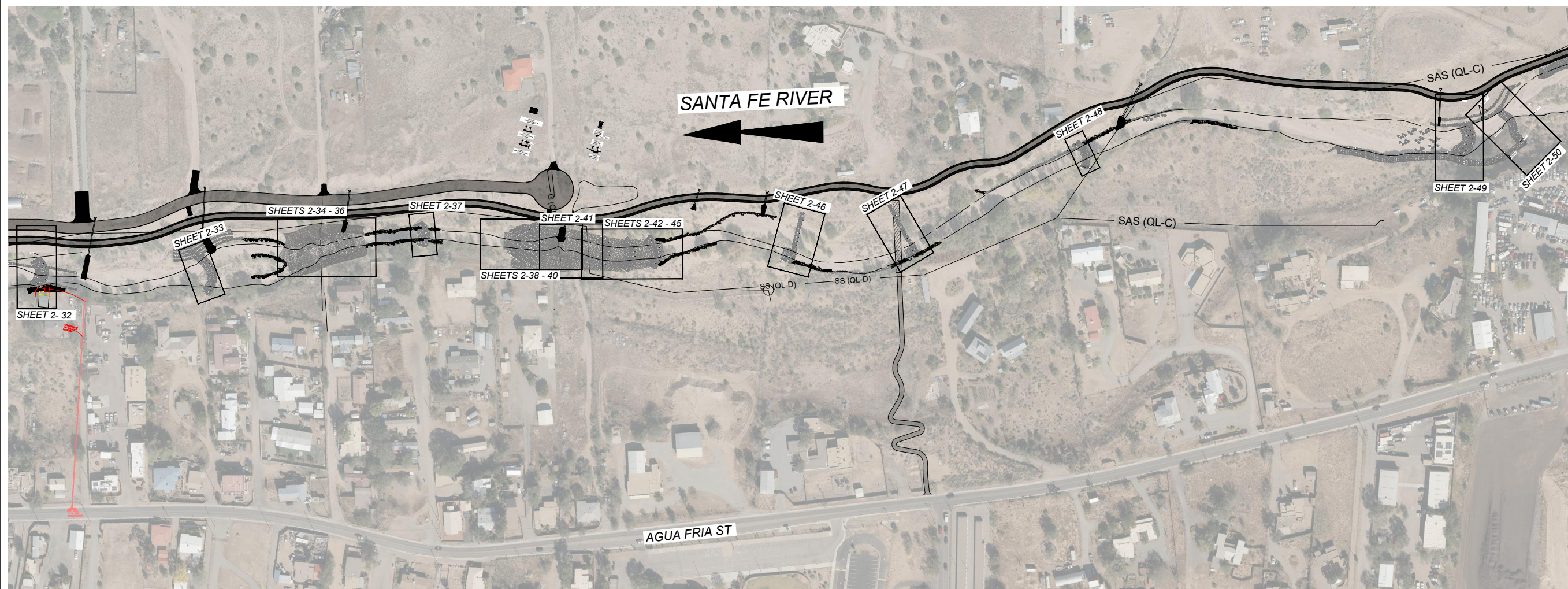
**SHEET TITLE**  
 REMOVALS PLAN

**SHEET NUMBER**  
 2 - 30

**LEGEND:**

- PROPERTY LINE
- FO FO FO FIBER OPTICS
- - - - - PUBLIC SEWERLINE
- ⊙ SEWER MANHOLE
- OH OH OH OVERHEAD LINE
- ⚡ POWER POLE
- G - G - G GAS LINE
- ☁ DEBRIS
- D R D DIRT, ROCK PILES
- A A A ASPHALT DEBRIS
- V V V VEGETATION PILES
- C C CONCRETE DEBRIS
- L L LUMBER DEBRIS
- T T TIRES DEBRIS
- TR TR TRASH PILES





OVERALL PLAN

SCALE: 1" = 250'

CHANNEL STRUCTURE QUANTITIES				
CHANNEL STRUCTURE	604002	602031	602011	602032
	GEOTEXTILE CLASS 2	RIPRAP CLASS 7	SELECT BACKFILL	STRUCTURE BOULDER & HABITAT BOULDER
	S.Y.	C.Y.	C.Y.	C.Y.
905	377.8	0.0	273.9	251.9
1250	385.8	0.0	321.5	293.9
1603	94.4	2188.6	547.1	235.6
1775	266.7	0.0	186.7	177.8
2016 LOWER	530.0	0.0	925.8	426.7
2016 UPPER	362.7	0.0	113.8	227.6
2180	355.6	0.0	195.6	189.6
2244	355.6	0.0	195.6	189.6
2302	355.6	0.0	195.6	189.6
2610	576.0	0.0	400.0	320.0
2900	569.3	0.0	460.9	397.6
3450	284.4	0.0	106.7	189.6
4240	417.8	0.0	376.0	334.2
4320	333.3	0.0	133.3	207.4
PROJECT TOTAL	5264.9	2188.6	4432.3	3631.1
PROJECT USE	5300	2200	4450	3650

NOTE: NMDOT (2019) "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION".  
 602011 SELECT BACKFILL SPECIFICATION TO BE SPECIAL CONTRACT REVISION.  
 602031 RIPRAP CLASS 7 SPECIFICATION TO BE SPECIAL CONTRACT REVISION.  
 602032 STRUCTURE BOULDER & HABITAT BOULDER SPECIFICATION TO BE SPECIAL CONTRACT REVISION.

PROJECT  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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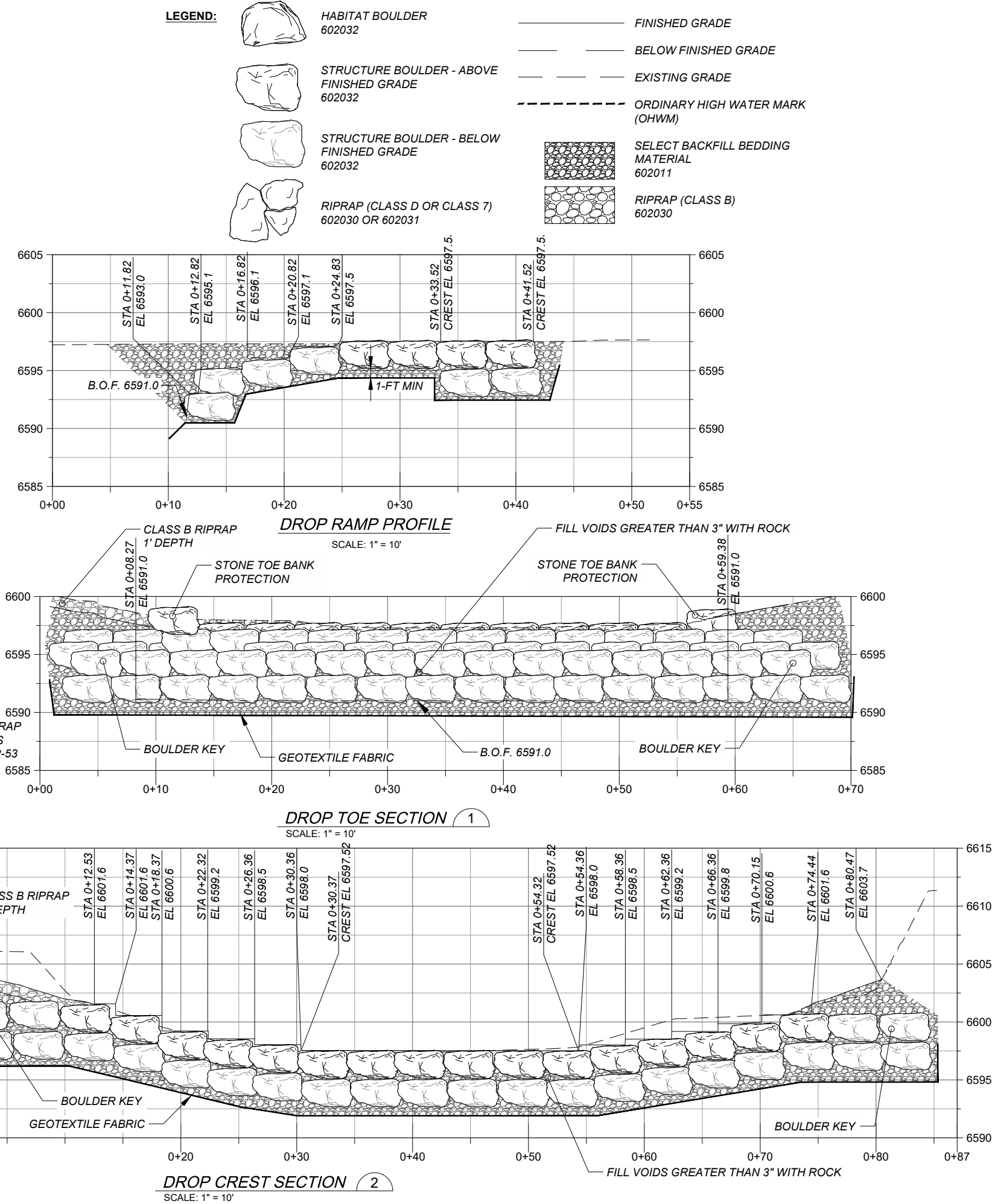
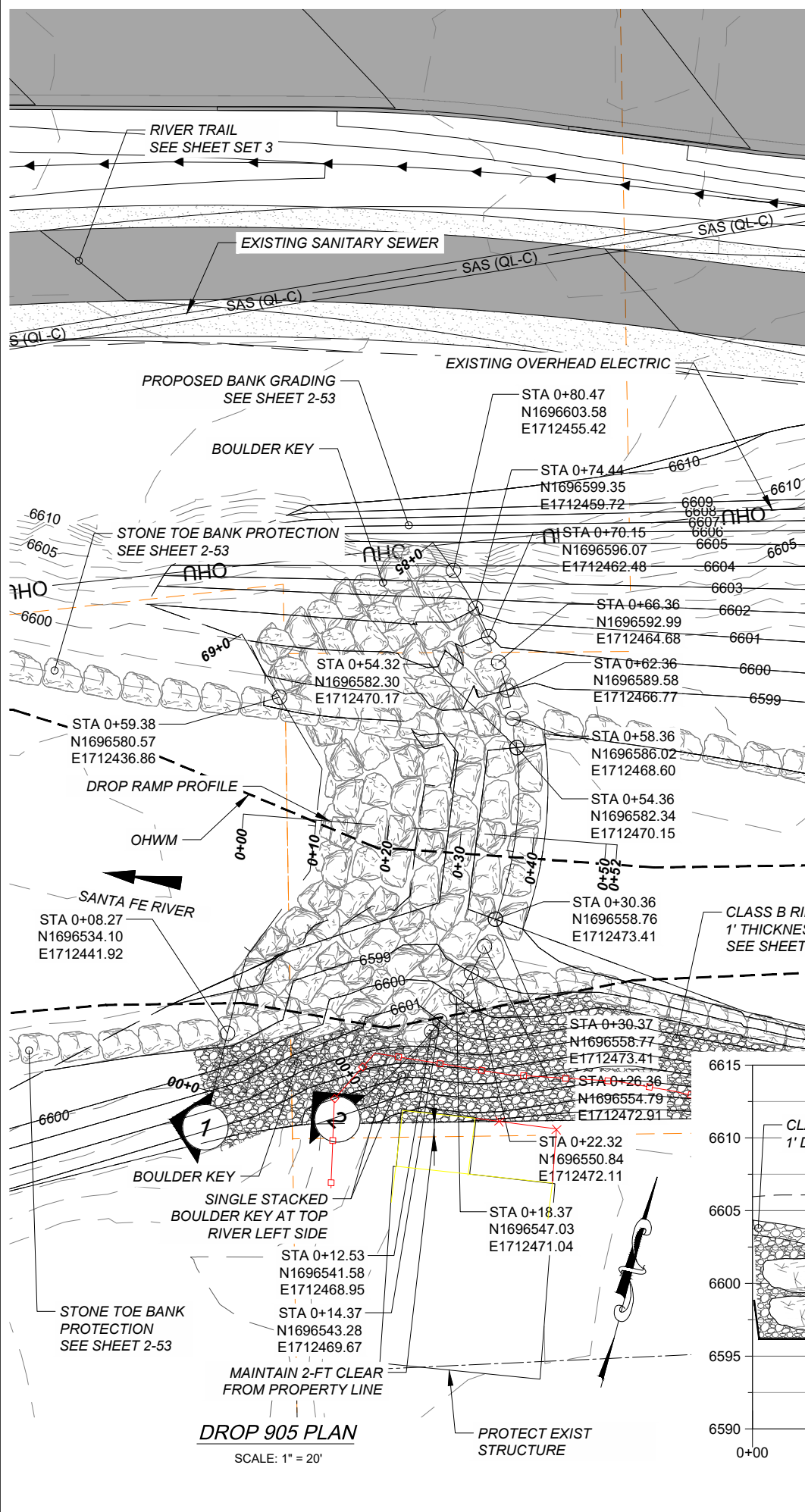
ISSUE/REVISION

I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER  
 357-7708  
 SHEET TITLE  
 SANTA FE RIVER  
 CHANNEL STRUCTURES  
 INDEX AND QUANTITIES  
 SHEET NUMBER  
 2 - 31





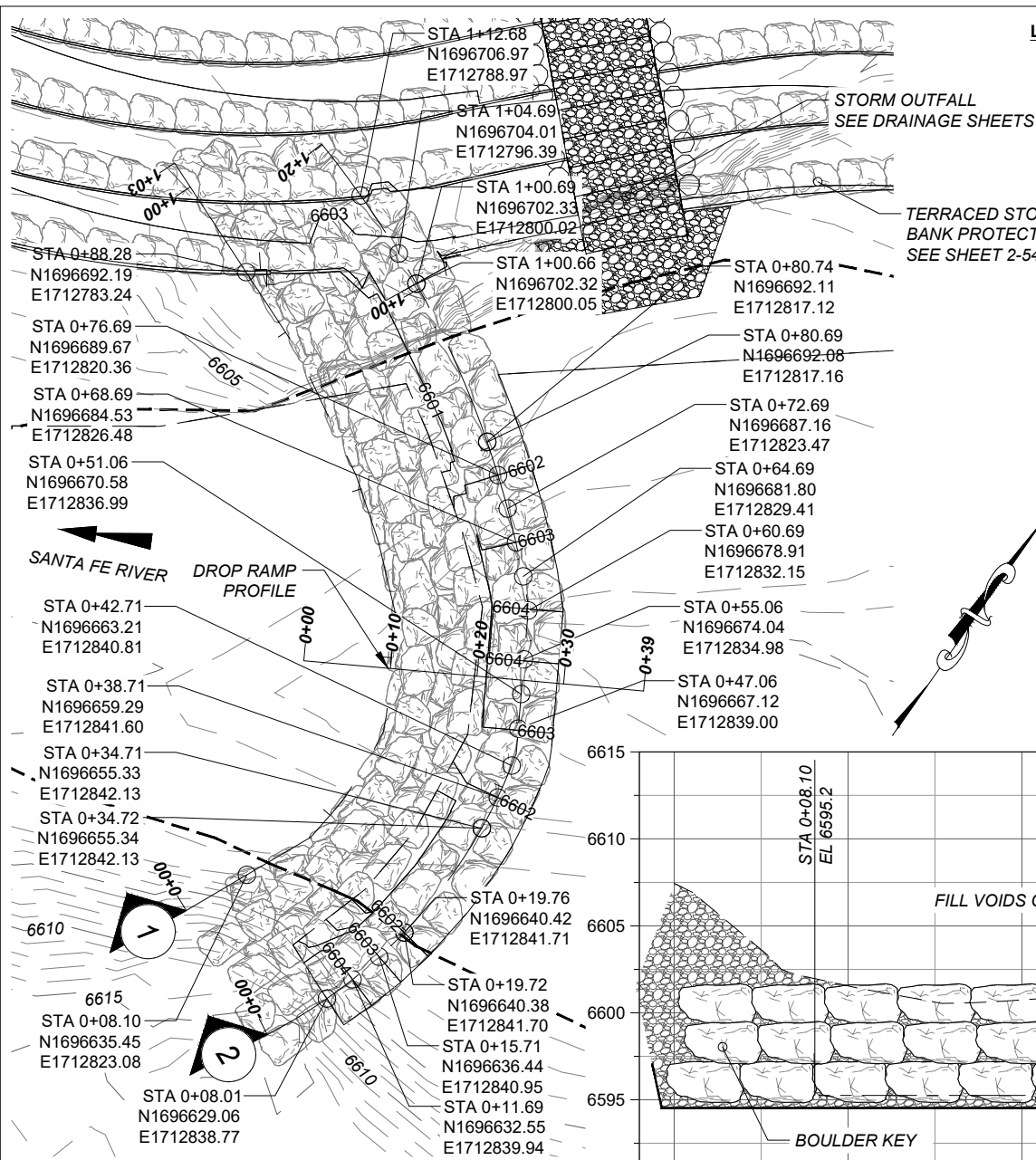
08-24-2023

**ISSUE/REVISION**

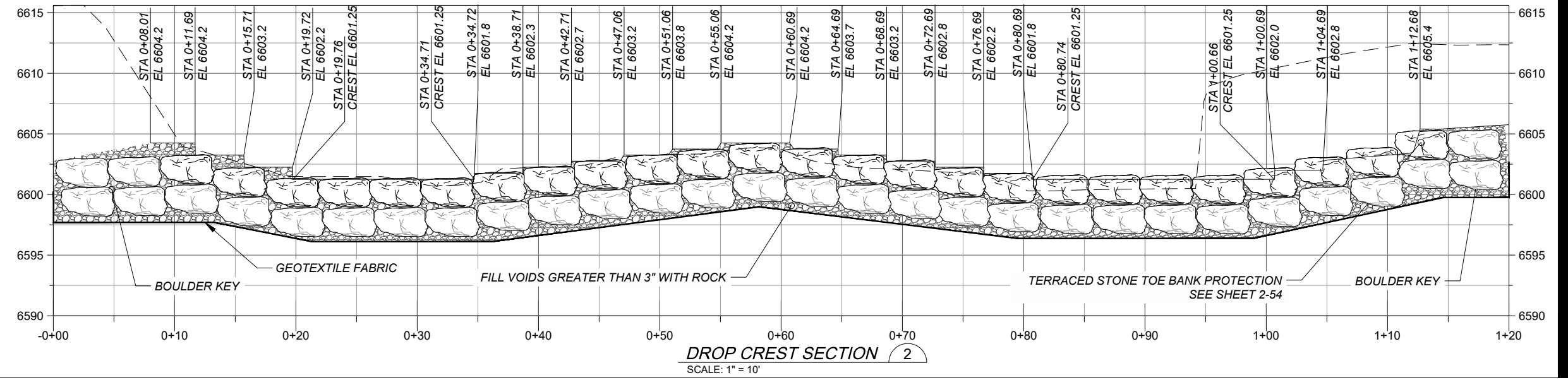
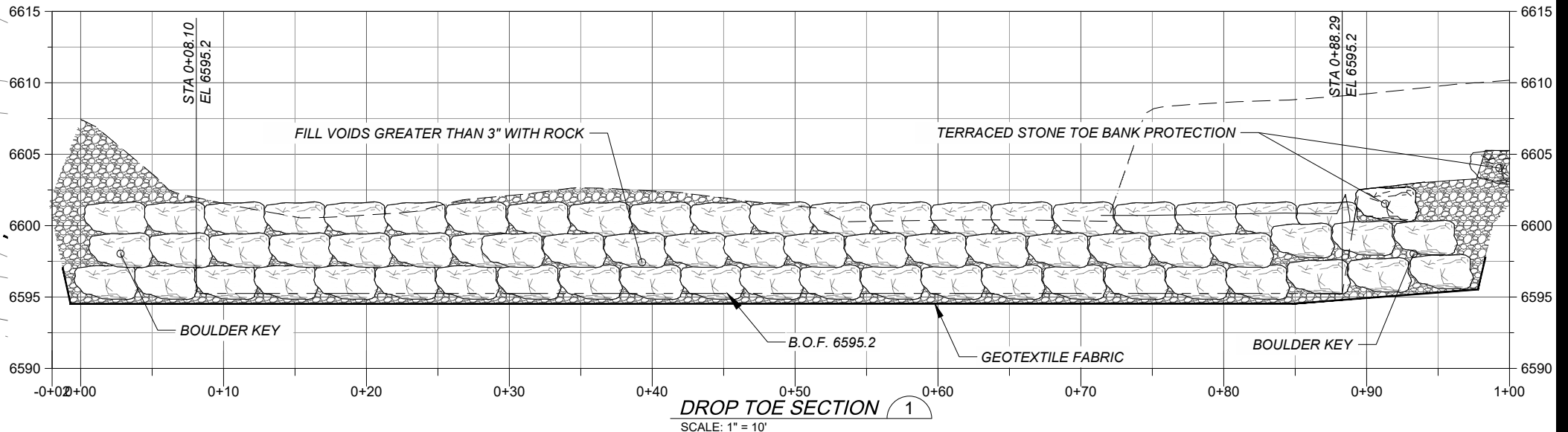
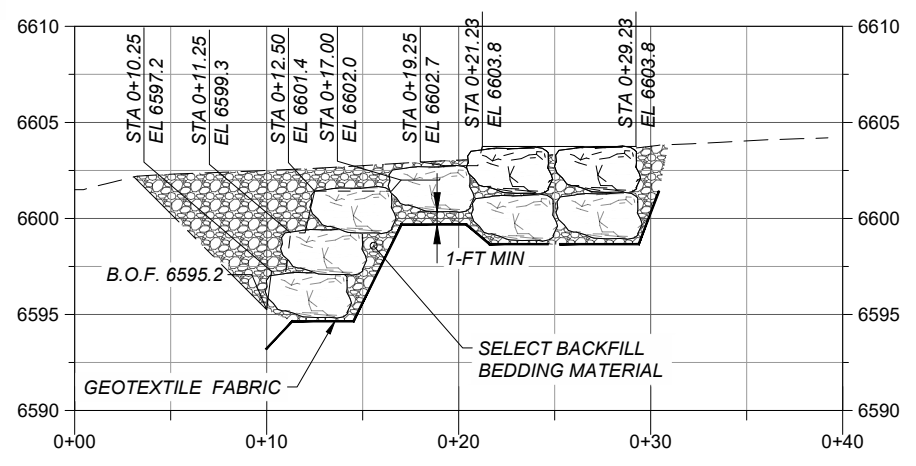
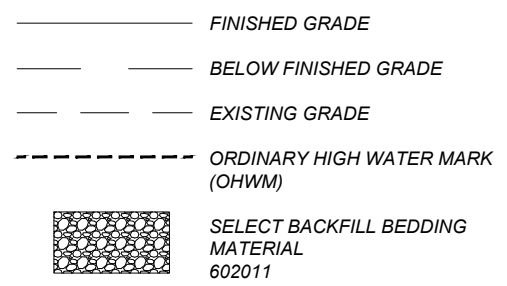
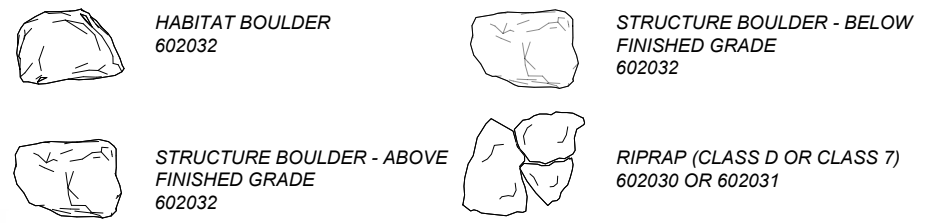
I/R	DATE	DESCRIPTION

**KEY PLAN**





**LEGEND:**



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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08-24-2023

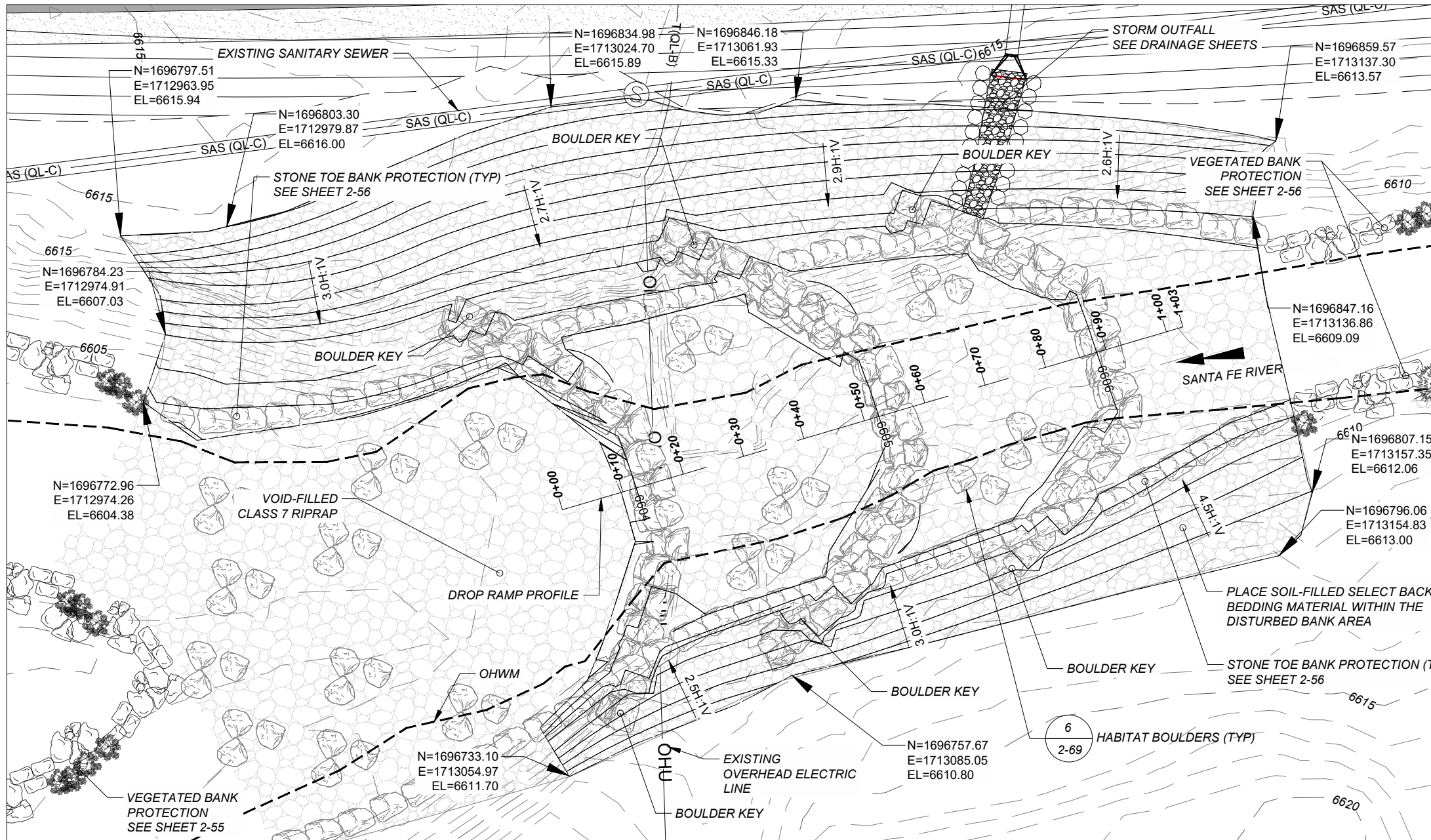
**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 1250  
**SHEET NUMBER**  
 2 - 33





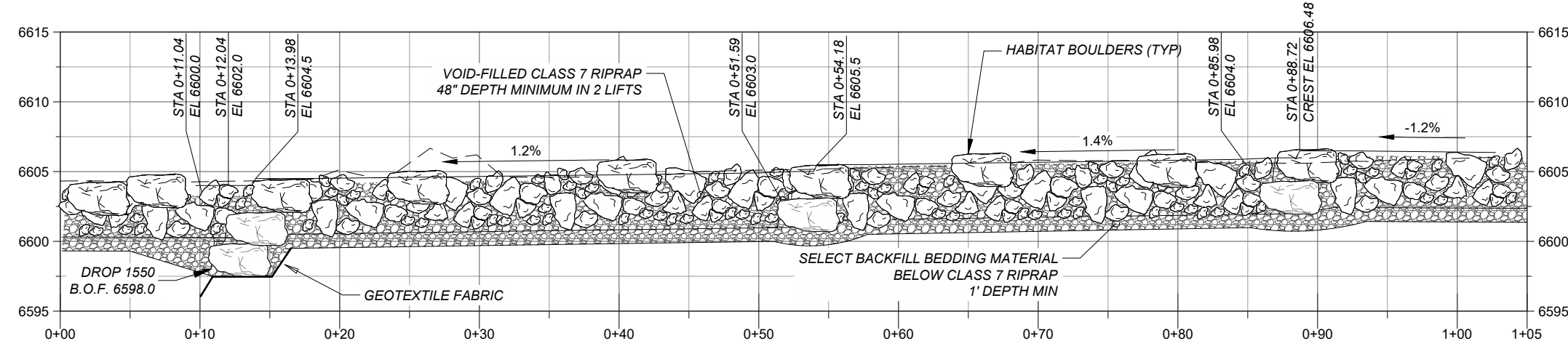
**LEGEND:**

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

**RAMP STRUCTURE 1603 NOTES:**

- PLACE 6" LIFT OF SELECT BACKFILL BEDDING MATERIAL AND FULLY COMPACT.
- PLACE SECOND 6" LIFT OF SELECT BACKFILL OVER FIRST LIFT. LOOSELY COMPACT AND WASH IN FINES.
- BEGINNING FROM DOWNSTREAM OF RAMP STRUCTURE, PLACE VOID-FILLED CLASS 7 RIPRAP, WASH IN FINES AND BACKFILL MATERIAL.
- PLACE HABITAT BOULDERS BEFORE SECOND RIPRAP LIFT.
- PLACE STRUCTURE BOULDERS OVER SELECT BACKFILL BOTTOM LAYER. FILL VOIDS LARGER THAN 3".
- BACKFILL WITH BEDDING MATERIAL TO FINISHED GRADE AND WASH WITH FINES.

**DROP 1550 - 1603 PLAN**  
 SCALE: 1" = 20'



**DROP 1550 - 1603 PROFILE**  
 SCALE: 1" = 10'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

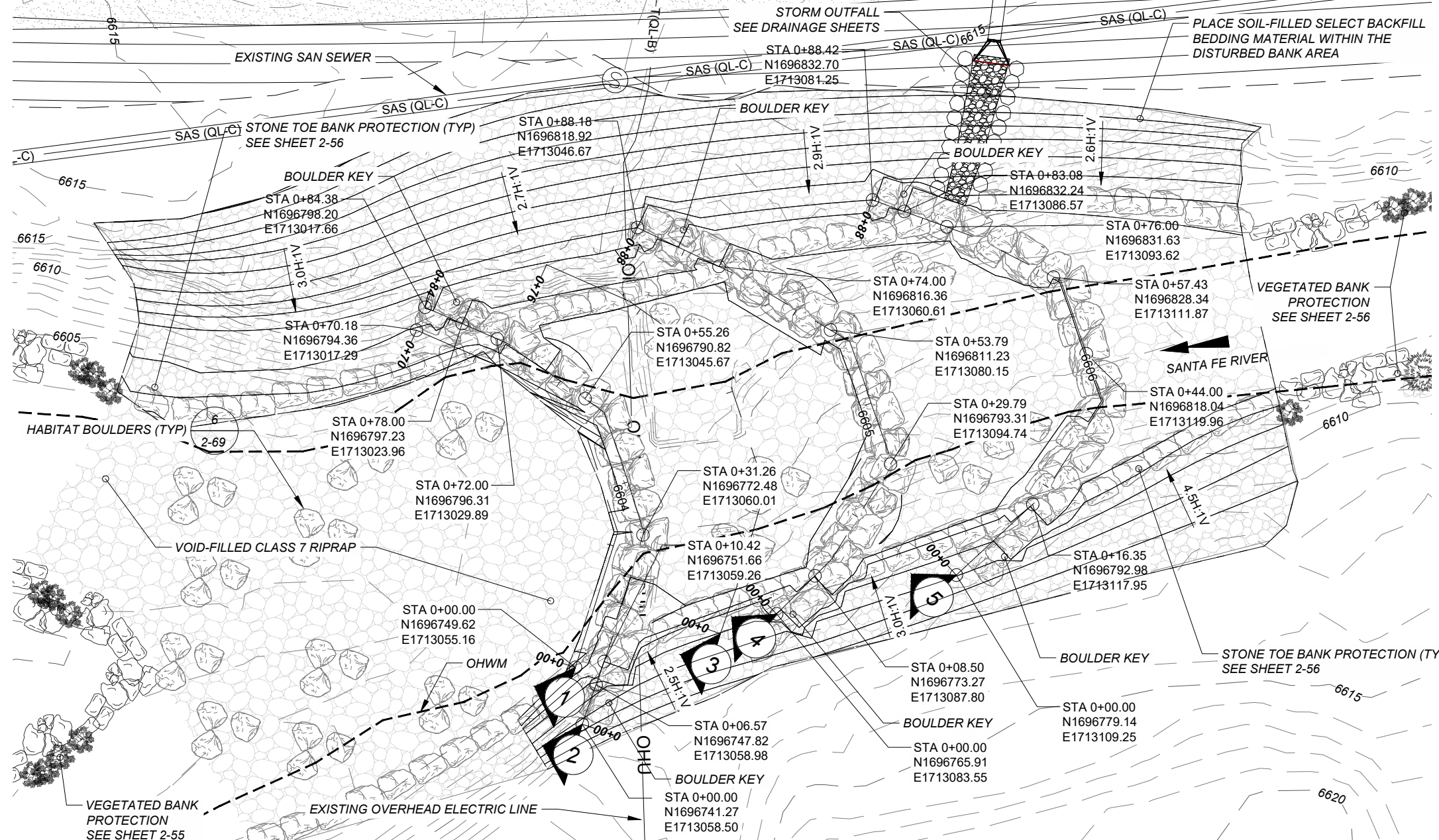
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 1603

**SHEET NUMBER**  
 2 - 34

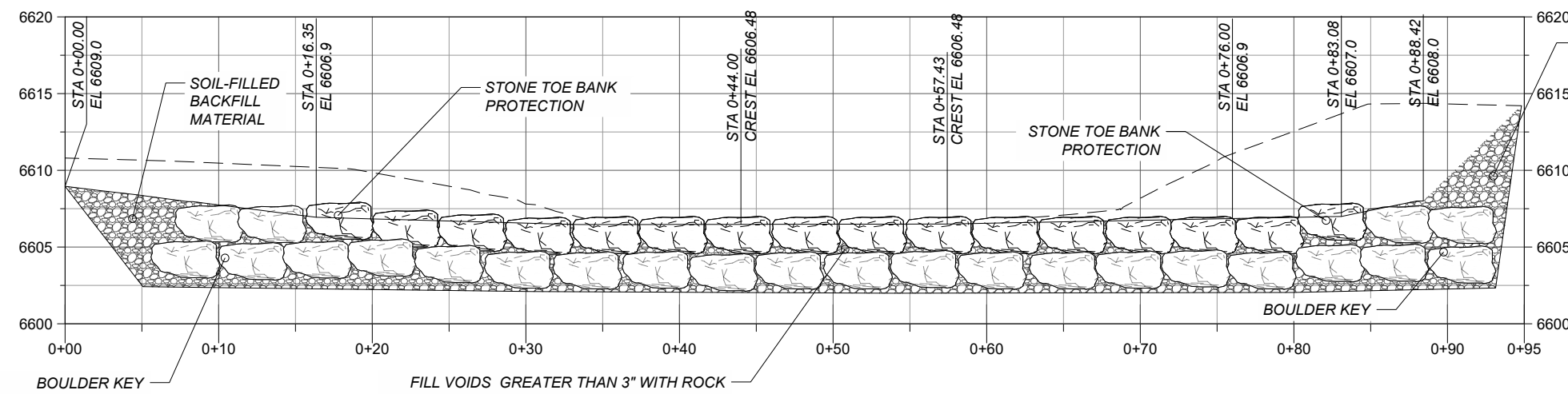




**LEGEND:**

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

- RAMP STRUCTURE 1603 NOTES:**
- PLACE 6" LIFT OF SELECT BACKFILL BEDDING MATERIAL AND FULLY COMPACT.
  - PLACE SECOND 6" LIFT OF SELECT BACKFILL OVER FIRST LIFT. LOOSELY COMPACT AND WASH IN FINES.
  - BEGINNING FROM DOWNSTREAM OF RAMP STRUCTURE, PLACE VOID-FILLED CLASS 7 RIPRAP, WASH IN FINES AND BACKFILL MATERIAL.
  - PLACE HABITAT BOULDERS BEFORE SECOND RIPRAP LIFT.
  - PLACE STRUCTURE BOULDERS OVER SELECT BACKFILL BOTTOM LAYER. FILL VOIDS LARGER THAN 3".
  - BACKFILL WITH BEDDING MATERIAL TO FINISHED GRADE AND WASH WITH FINES.



**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**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

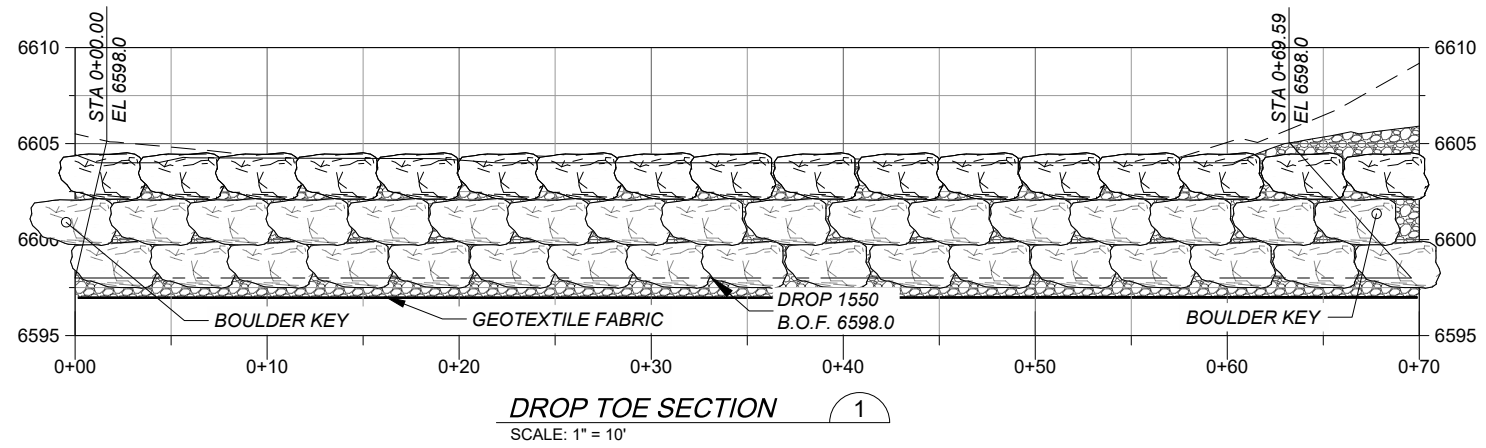
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

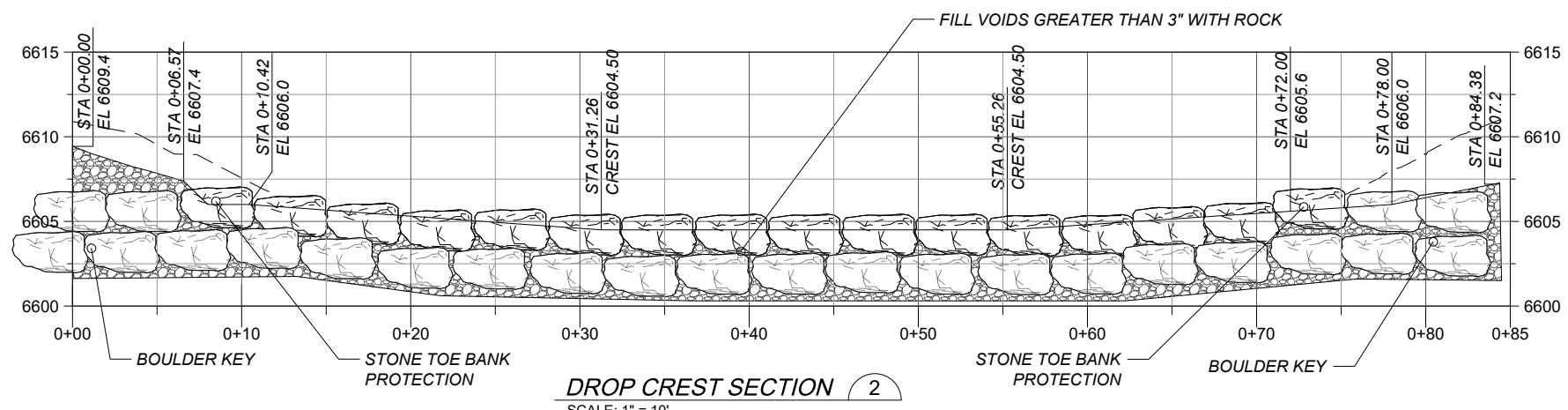
**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 1603

**SHEET NUMBER**  
 2 - 35

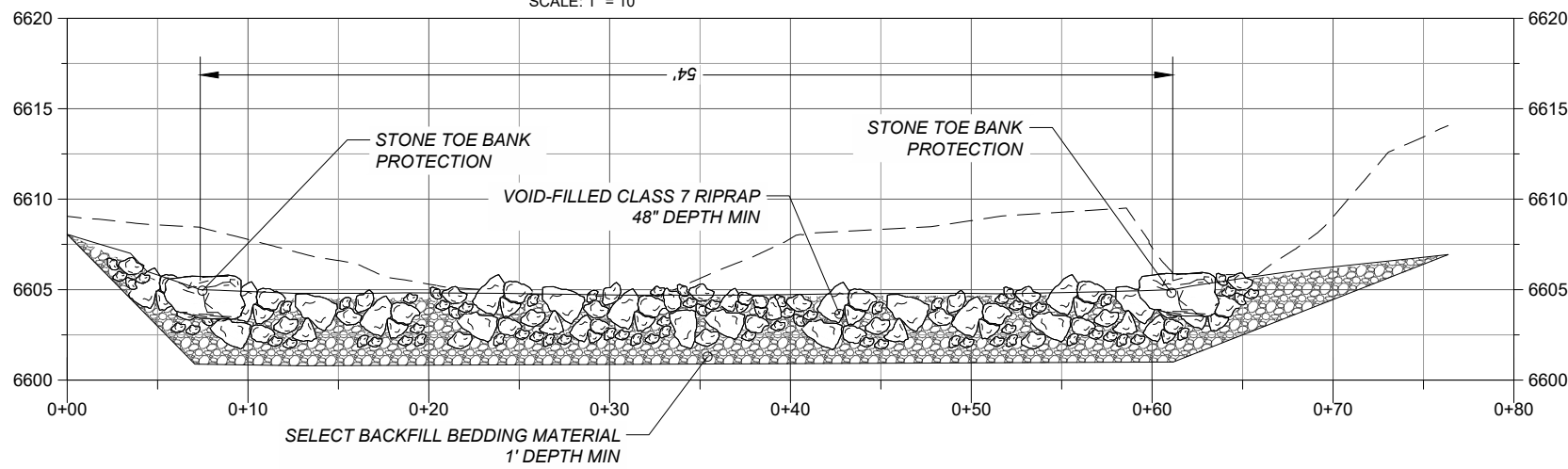




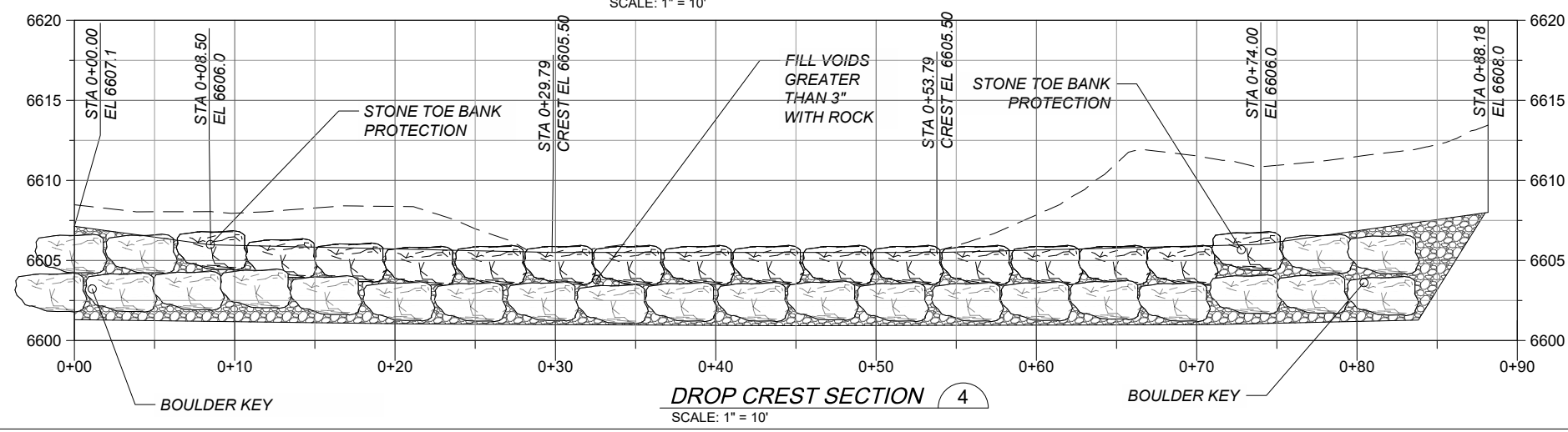
**DROP TOE SECTION 1**  
 SCALE: 1" = 10'



**DROP CREST SECTION 2**  
 SCALE: 1" = 10'



**TYPICAL CHANNEL SECTION 3**  
 SCALE: 1" = 10'



**DROP CREST SECTION 4**  
 SCALE: 1" = 10'

**LEGEND:**

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

- RAMP STRUCTURE 1603 NOTES:**
1. PLACE 6" LIFT OF SELECT BACKFILL BEDDING MATERIAL AND FULLY COMPACT.
  2. PLACE SECOND 6" LIFT OF SELECT BACKFILL OVER FIRST LIFT. LOOSELY COMPACT AND WASH IN FINES.
  3. BEGINNING FROM DOWNSTREAM OF RAMP STRUCTURE, PLACE VOID-FILLED CLASS 7 RIPRAP, WASH IN FINES AND BACKFILL MATERIAL.
  4. PLACE HABITAT BOULDERS BEFORE SECOND RIPRAP LIFT.
  5. PLACE STRUCTURE BOULDERS OVER SELECT BACKFILL BOTTOM LAYER. FILL VOIDS LARGER THAN 3".
  6. BACKFILL WITH BEDDING MATERIAL TO FINISHED GRADE AND WASH WITH FINES.



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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 SUBSURFACE UTILITY ENGINEERING  
 COLLIER ENGINEERING & DESIGN  
 T 505.228.3154

**REGISTRATION**



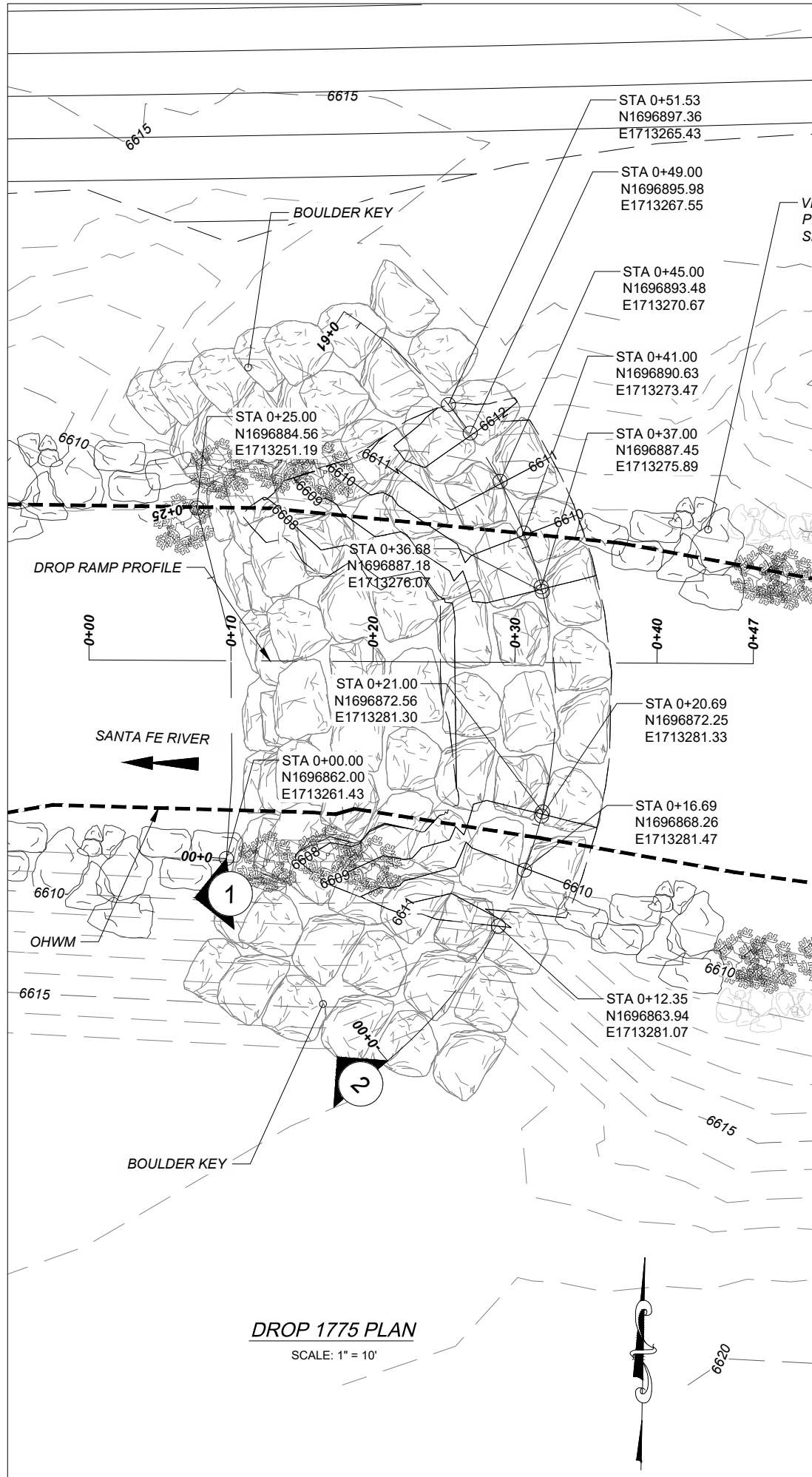
**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

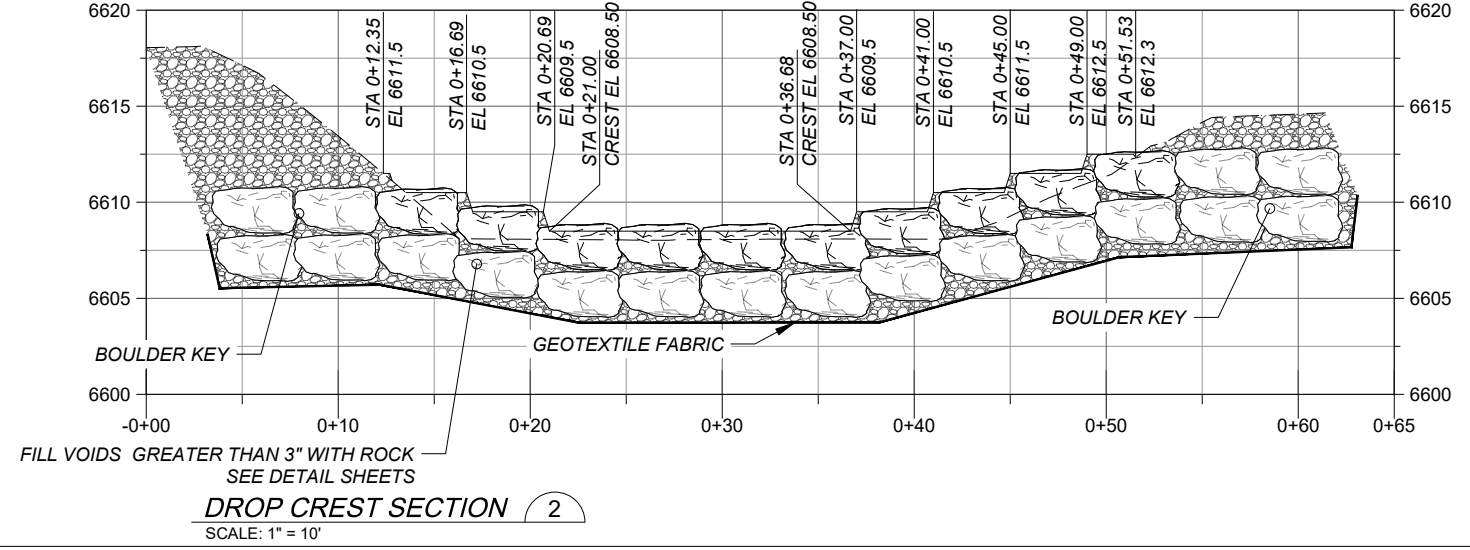
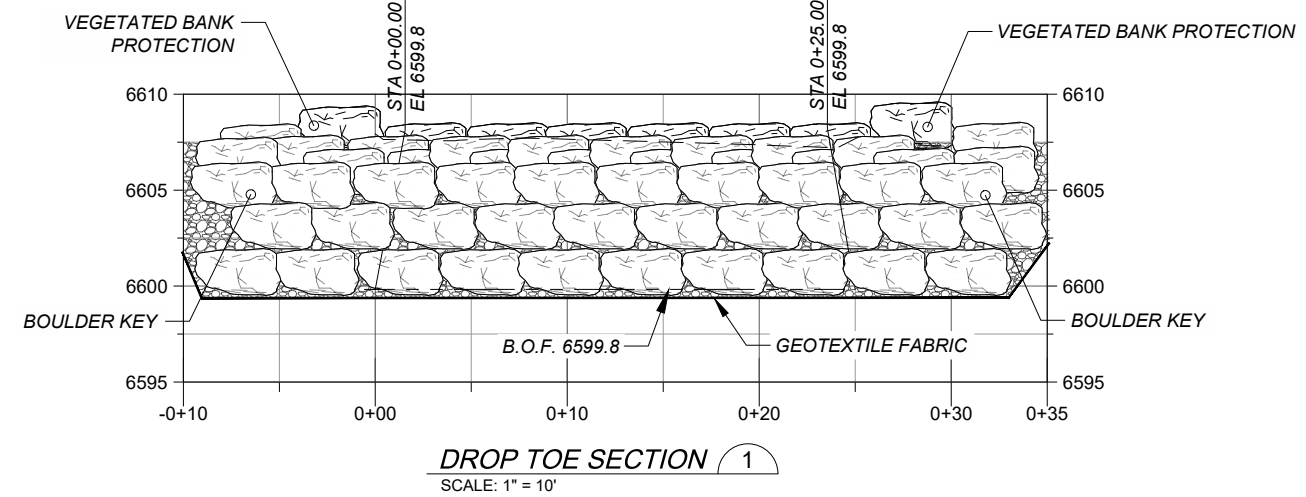
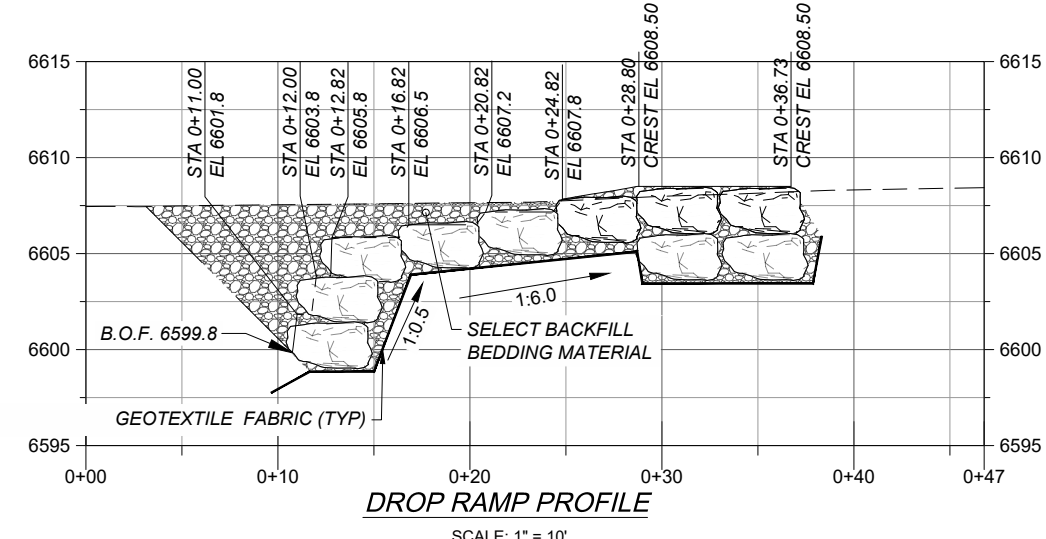
**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 1603  
**SHEET NUMBER**  
 2 - 36

ANSI B - 11 x 17  
 Project Management Initials: Designer: SW Checked: RKR Approved: MM  
 Last saved by: CALVIN.SANCHEZ(2023-06-22) Last Plotted: 2023-08-24  
 Filename: c:\pwworking\usm\dm\03256\SRFG\_CHAN\_STRUC\_V2.dwg



**LEGEND:**

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



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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 150 Washington Avenue, Suite 201  
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**SUBCONSULTANTS**

- GEOTECHNICAL: TERRACON T 505.797.4287
- LANDSCAPE ARCHITECTURE: DESIGN OFFICE T 505.983.1415
- TOPOGRAPHIC MAPPING: COOPER AERIAL MAPPING T 602.678.5111
- SUBSURFACE UTILITY ENGINEERING: COLLIERS ENGINEERING & DESIGN T 505.228.3154

**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

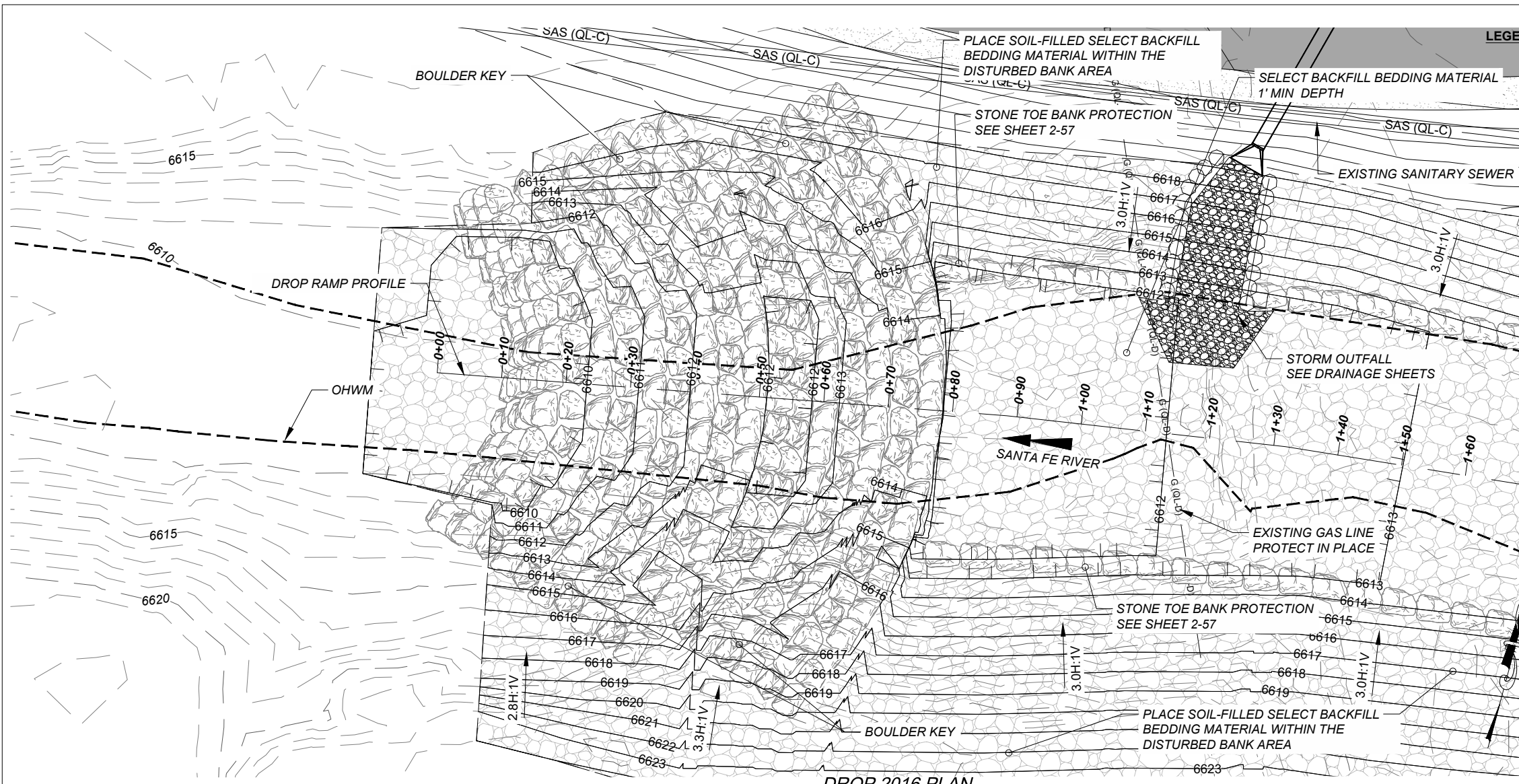
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 1775

**SHEET NUMBER**  
 2 - 37





**LEGEND:**

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



**PROJECT**  
**SANTA FE RIVER GREENWAY PROJECT (SECTION B)**

**CLIENT**  
**SANTA FE COUNTY**  
 100 Catron St.  
 Santa Fe, New Mexico 87501  
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**SUBCONSULTANTS**  
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**TERRACON**  
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 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**



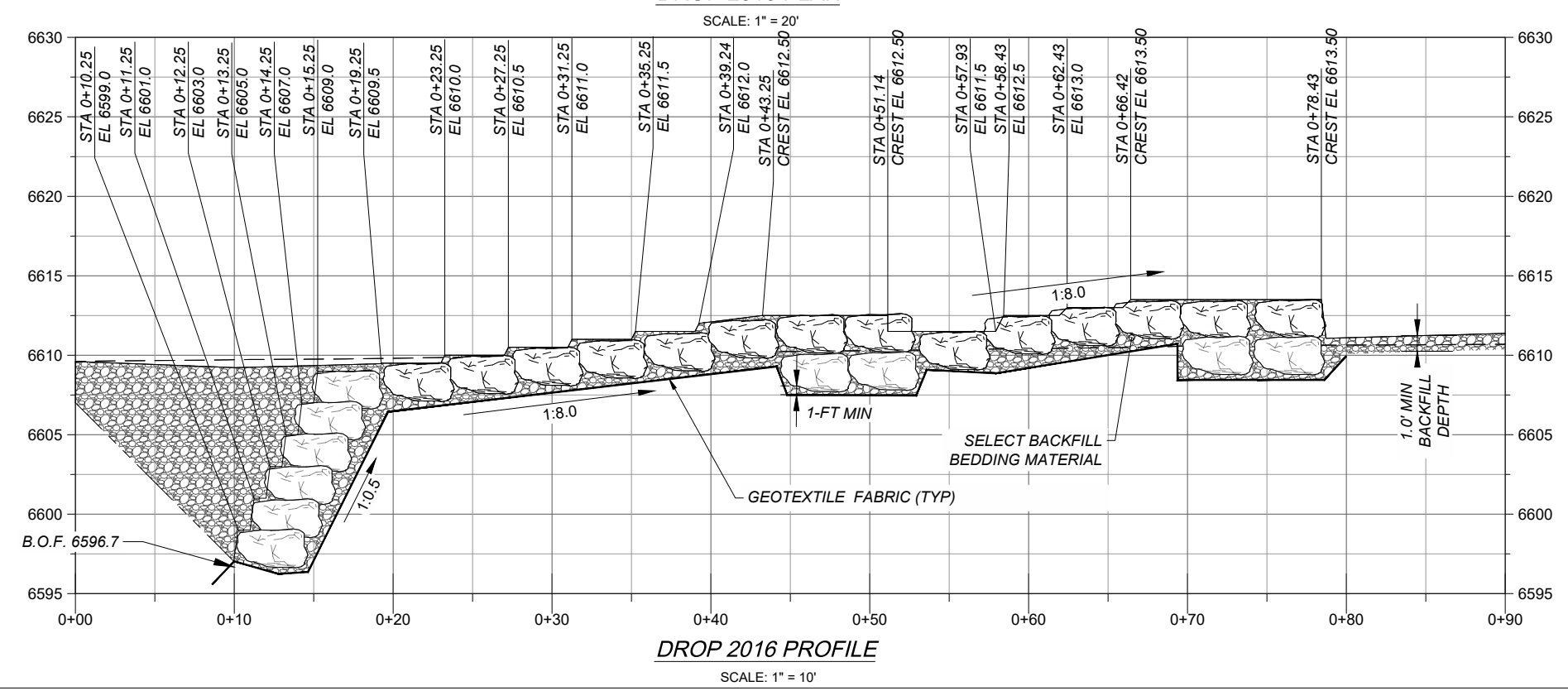
**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

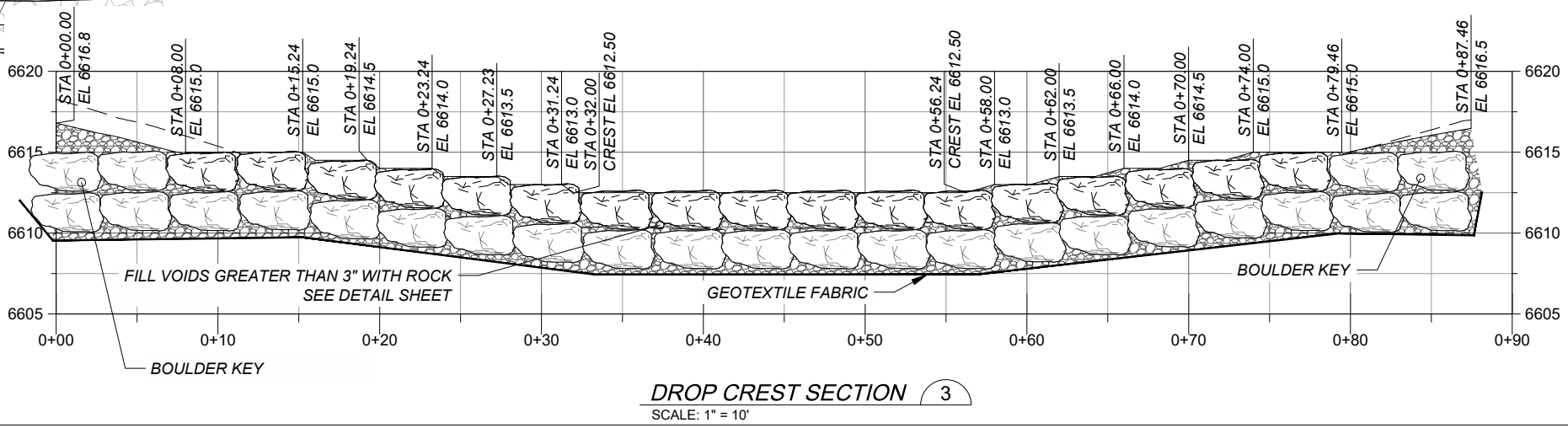
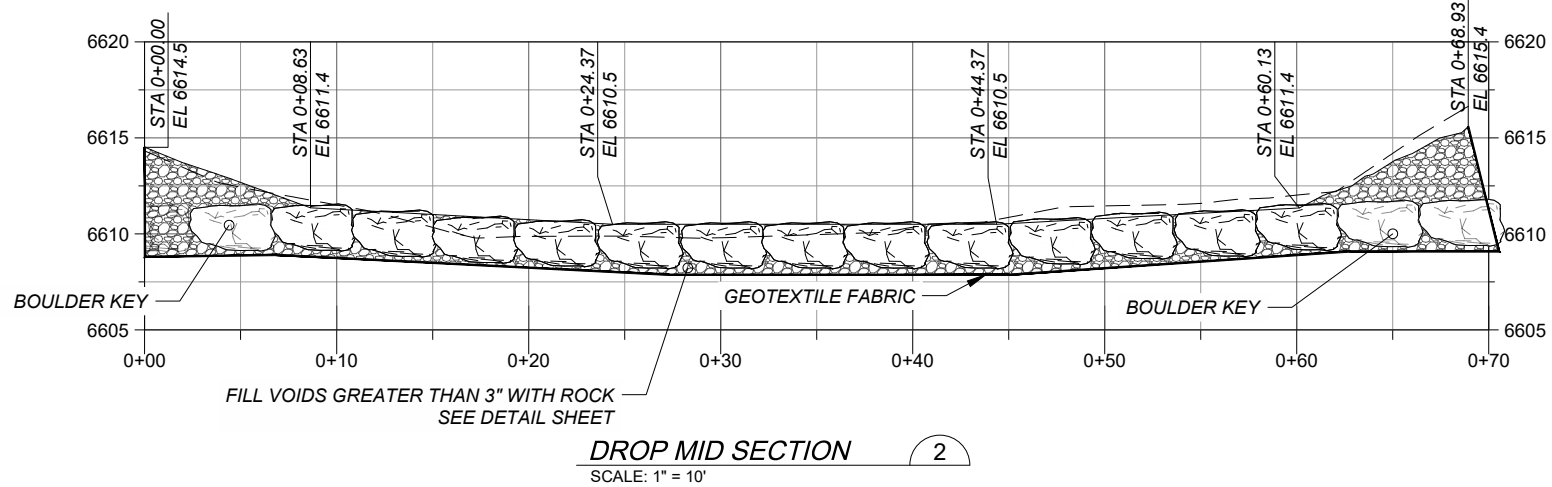
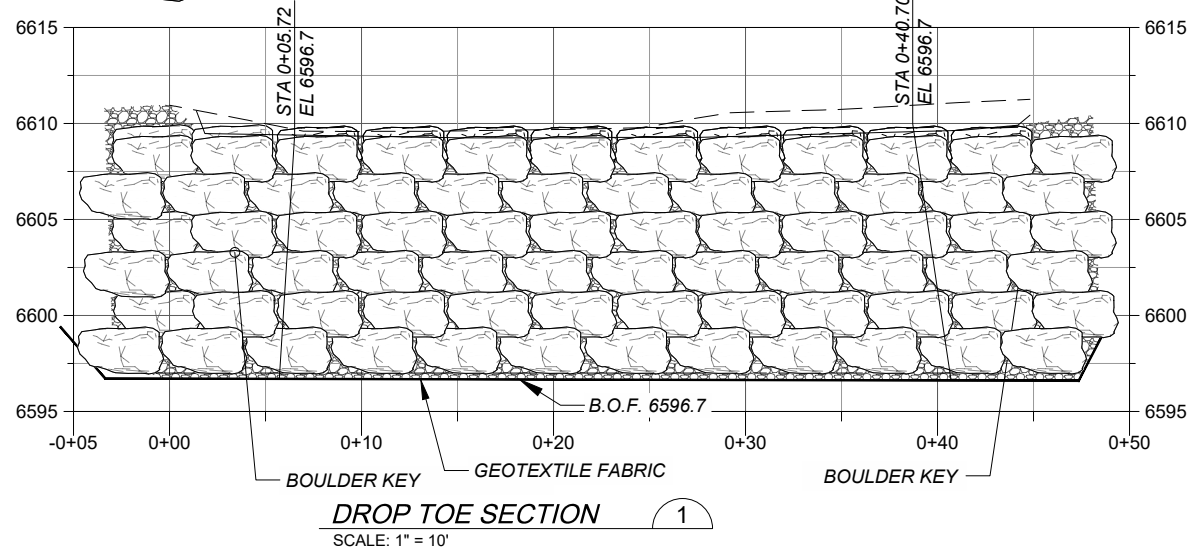
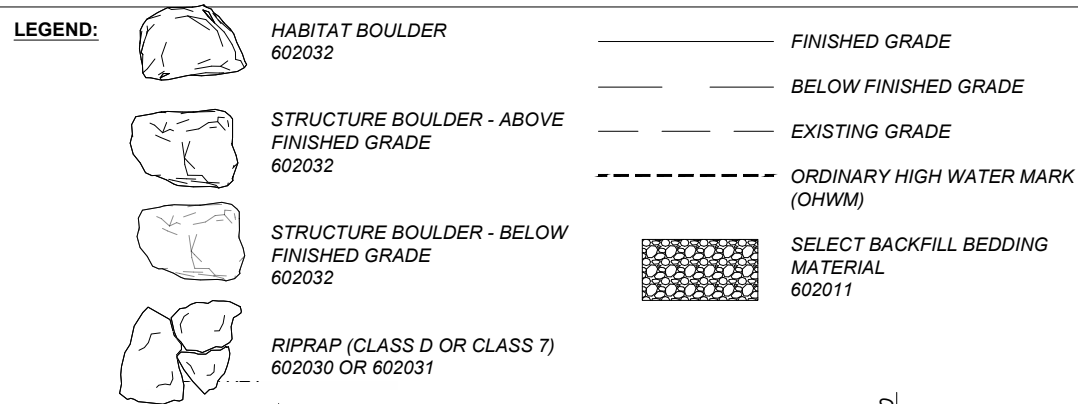
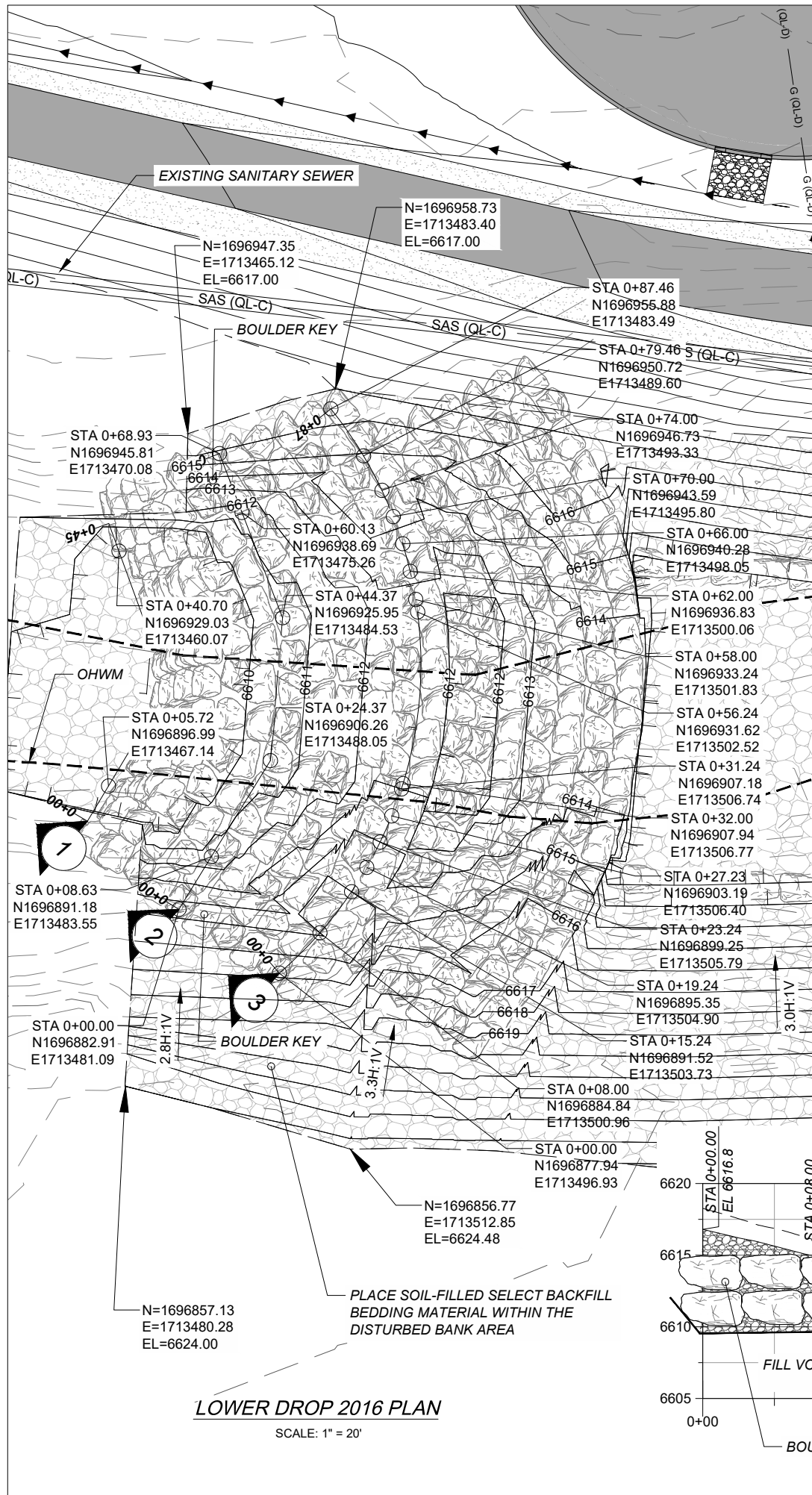
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER CHANNEL STRUCTURE 2016

**SHEET NUMBER**  
 2 - 38







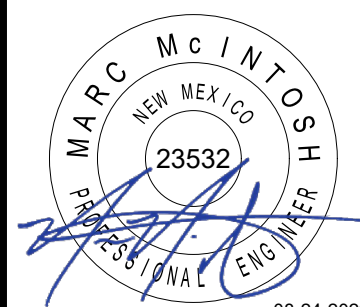
**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
 SANTA FE COUNTY  
 100 Catron St.  
 Santa Fe, New Mexico 87501  
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 T 602.678.5111  
 SUBSURFACE UTILITY ENGINEERING  
 COLLIERS ENGINEERING & DESIGN  
 T 505.228.3154

**REGISTRATION**



08-24-2023

**ISSUE/REVISION**

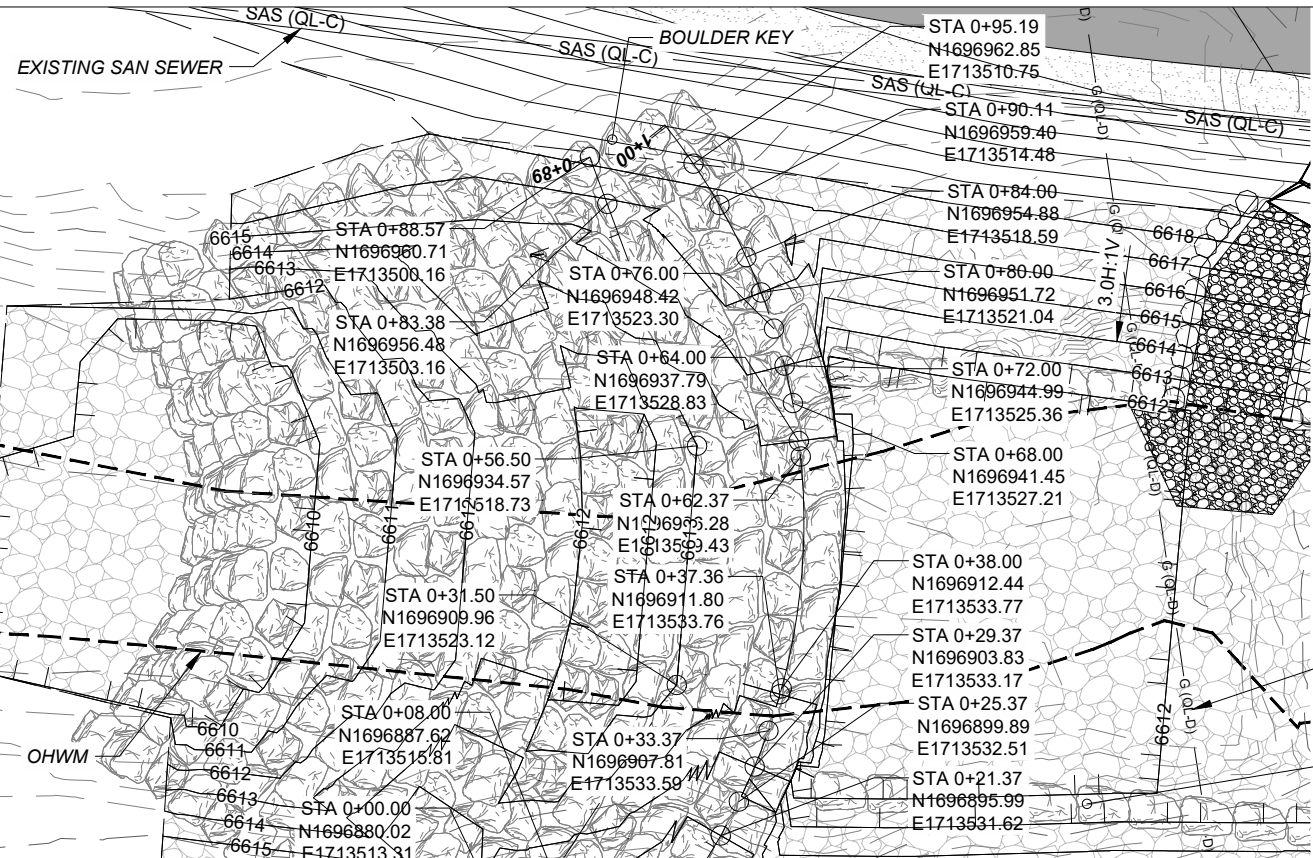
I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 2016

**SHEET NUMBER**  
 2 - 39

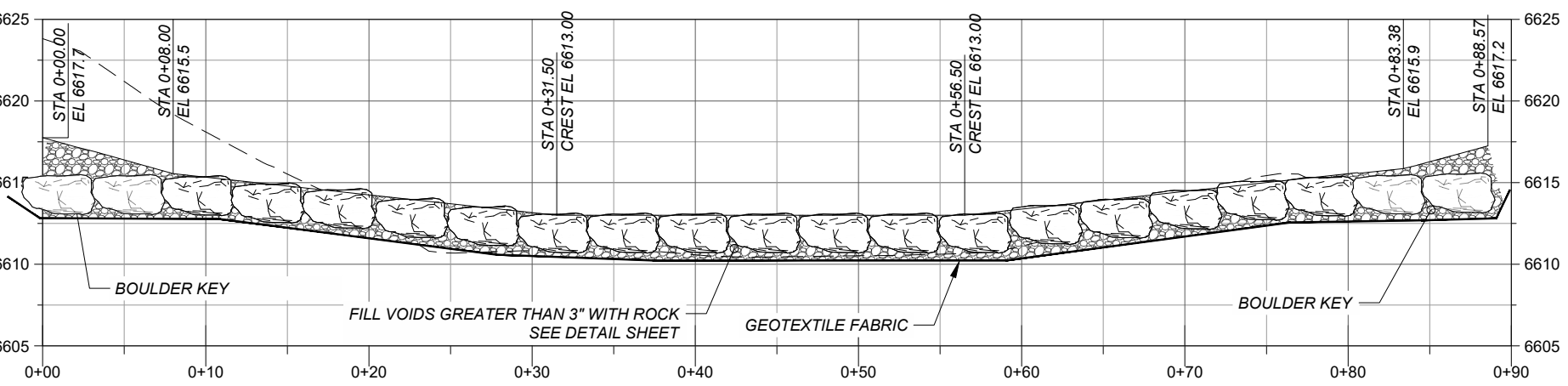




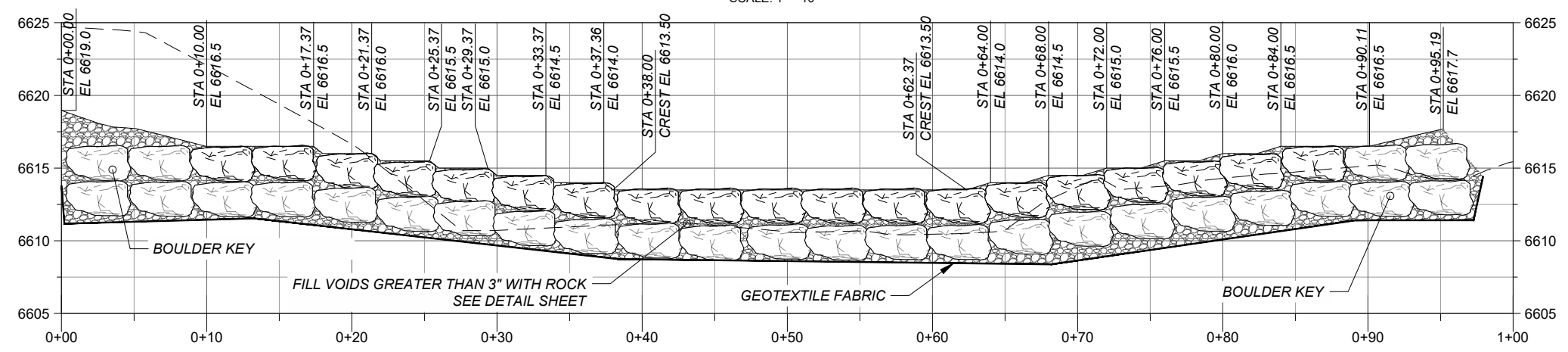
- LEGEND:**
- HABITAT BOULDER 602032
  - STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
  - STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
  - RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
  - FINISHED GRADE
  - BELOW FINISHED GRADE
  - EXISTING GRADE
  - ORDINARY HIGH WATER MARK (OHWM)
  - SELECT BACKFILL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

EXISTING GAS LINE PROTECT IN PLACE

STONE TOE BANK PROTECTION SEE SHEET 2-57



**UPPER DROP 2016 PLAN**  
 SCALE: 1" = 20'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
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**SUBCONSULTANTS**

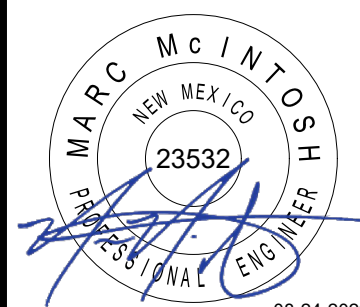
GEOTECHNICAL  
 TERRACON  
 T 505.797.4287

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**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

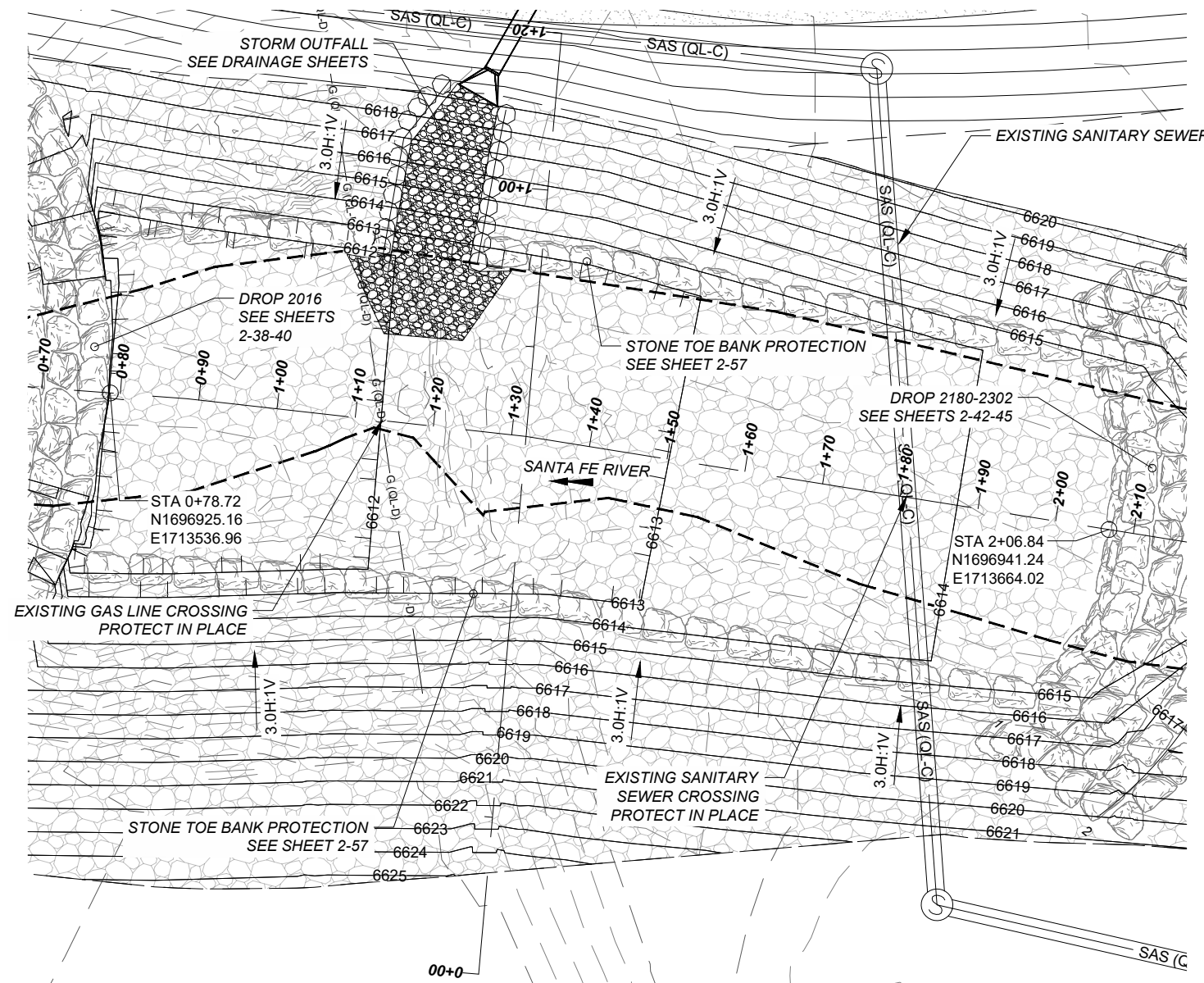
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 2016

**SHEET NUMBER**  
 2 - 40

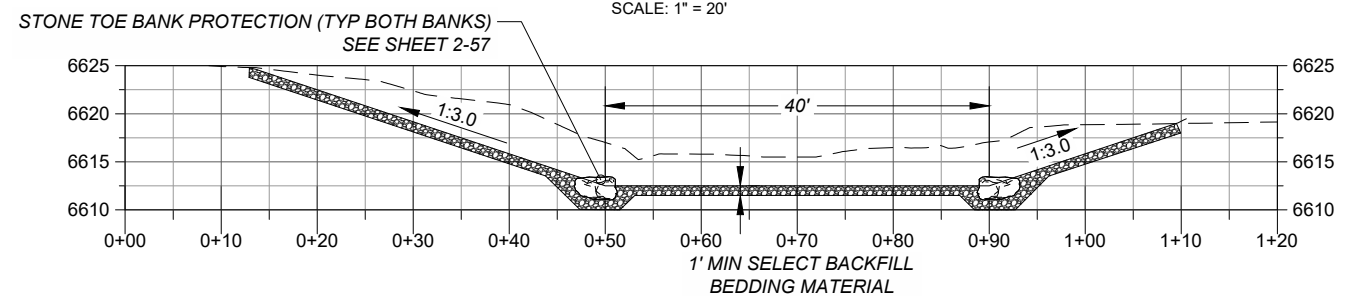




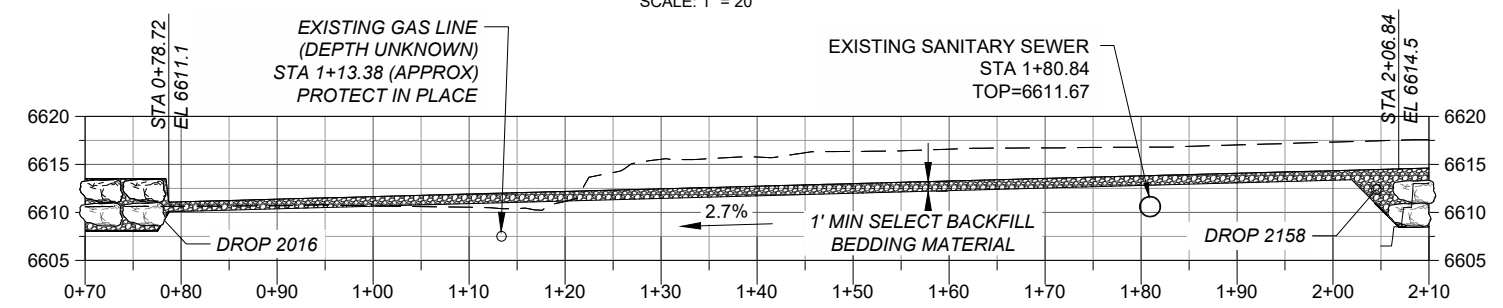
- LEGEND:**
- HABITAT BOULDER 602032
  - STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
  - STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
  - RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
  - FINISHED GRADE
  - BELOW FINISHED GRADE
  - EXISTING GRADE
  - ORDINARY HIGH WATER MARK (OHWM)
  - SELECT BACKFILL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



**CHANNEL SECTION 2090 PLAN**  
 SCALE: 1" = 20'



**CHANNEL AT 2090 TYPICAL CROSS SECTION**  
 SCALE: 1" = 20'



**CHANNEL AT 2090 PROFILE**  
 SCALE: 1" = 20'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
 SANTA FE COUNTY  
 100 Catron St.  
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**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

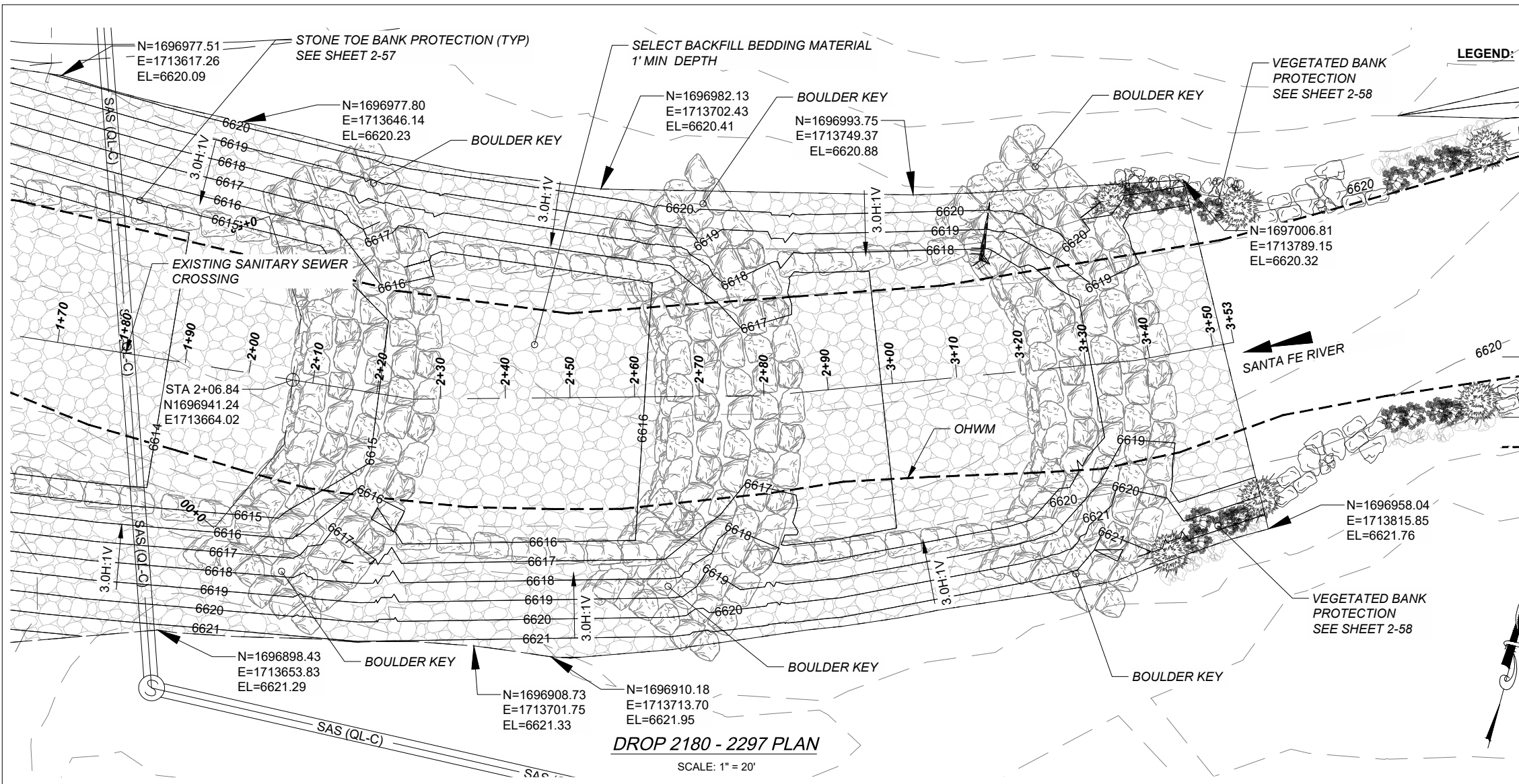
**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 2090

**SHEET NUMBER**  
 2 - 41





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



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
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**REGISTRATION**



**ISSUE/REVISION**

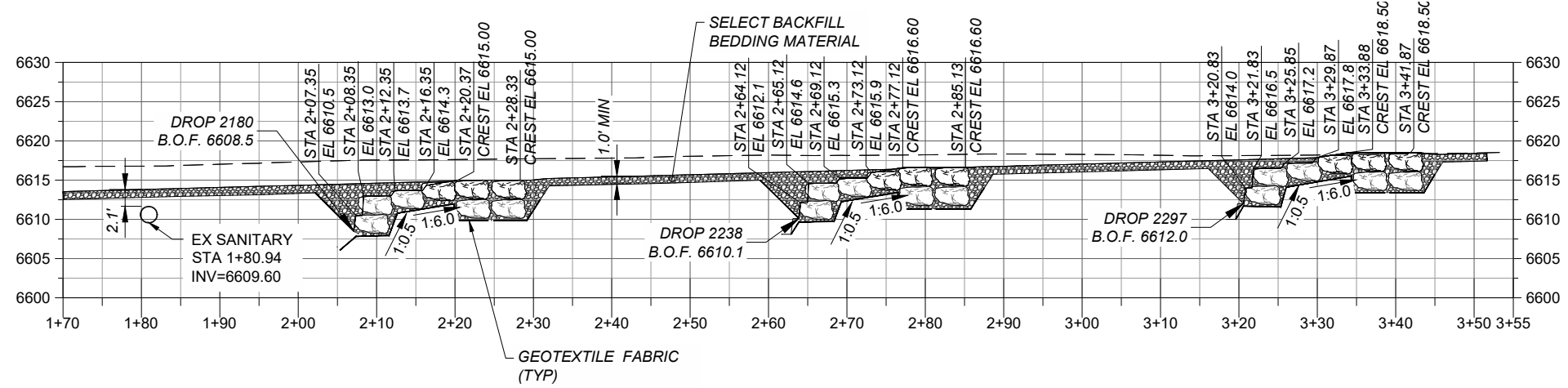
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**KEY PLAN**

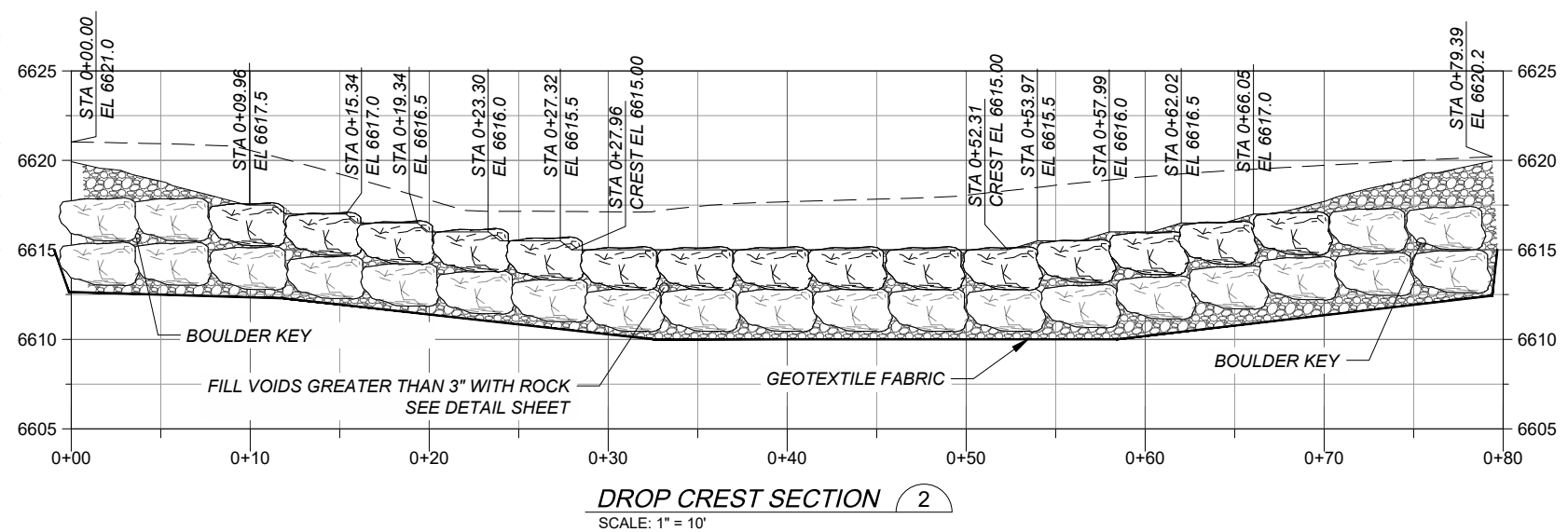
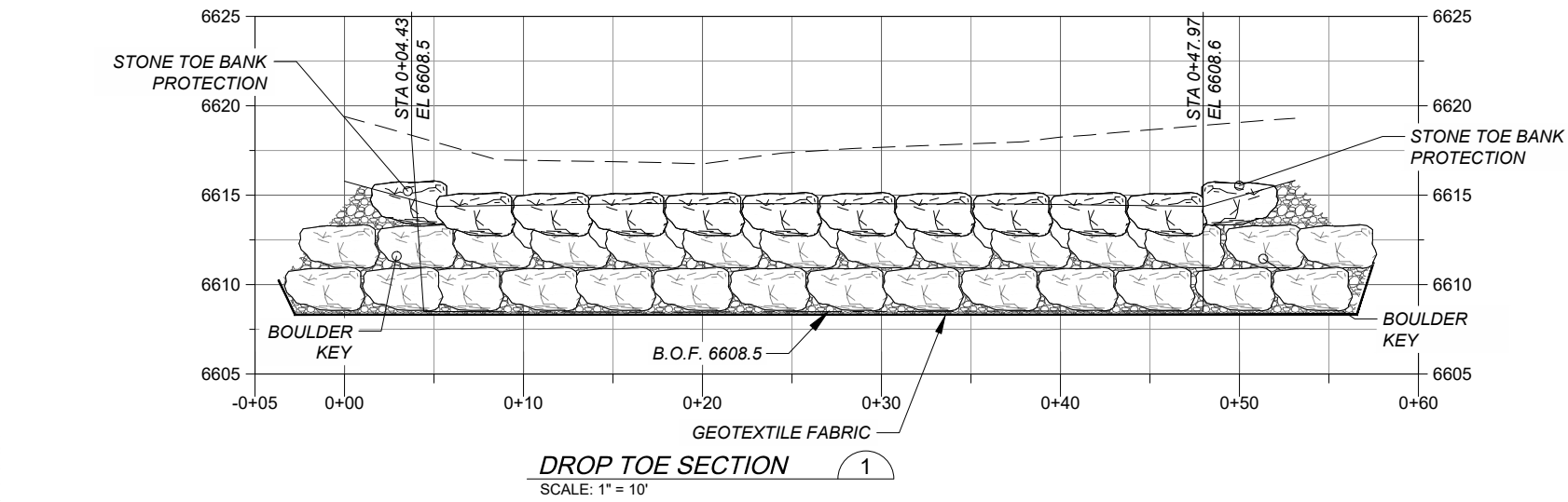
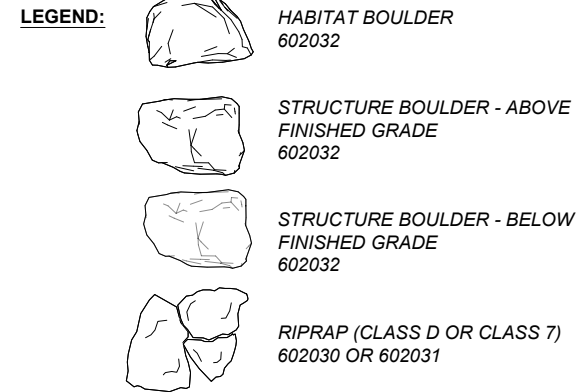
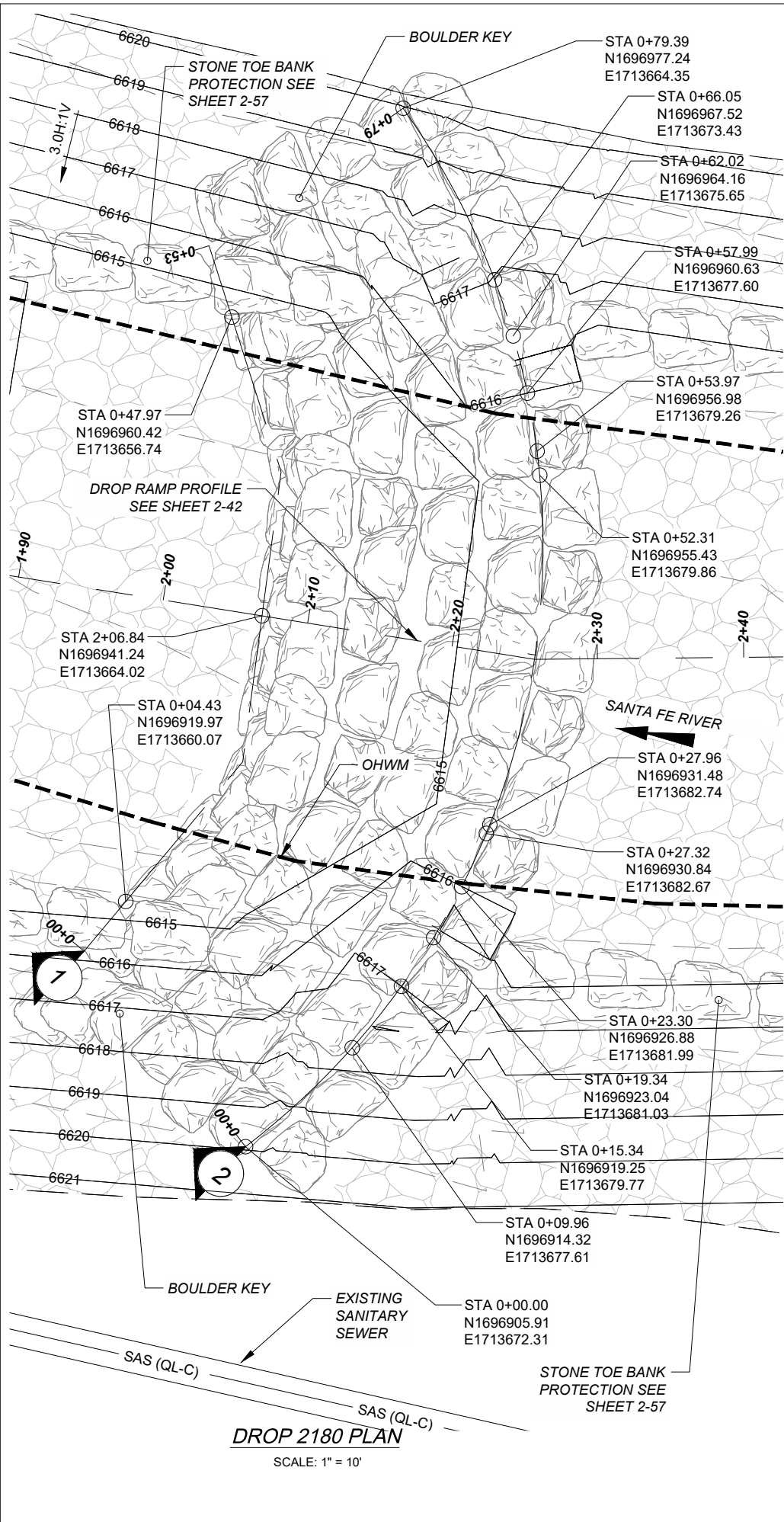
**PROJECT NUMBER**  
357-7708

**SHEET TITLE**  
SANTA FE RIVER  
CHANNEL STRUCTURE 2180

**SHEET NUMBER**  
2 - 42







**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
SANTA FE  
COUNTY  
100 Catron St.  
Santa Fe, New Mexico 87501  
T 505.986.6200  
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**REGISTRATION**



**ISSUE/REVISION**

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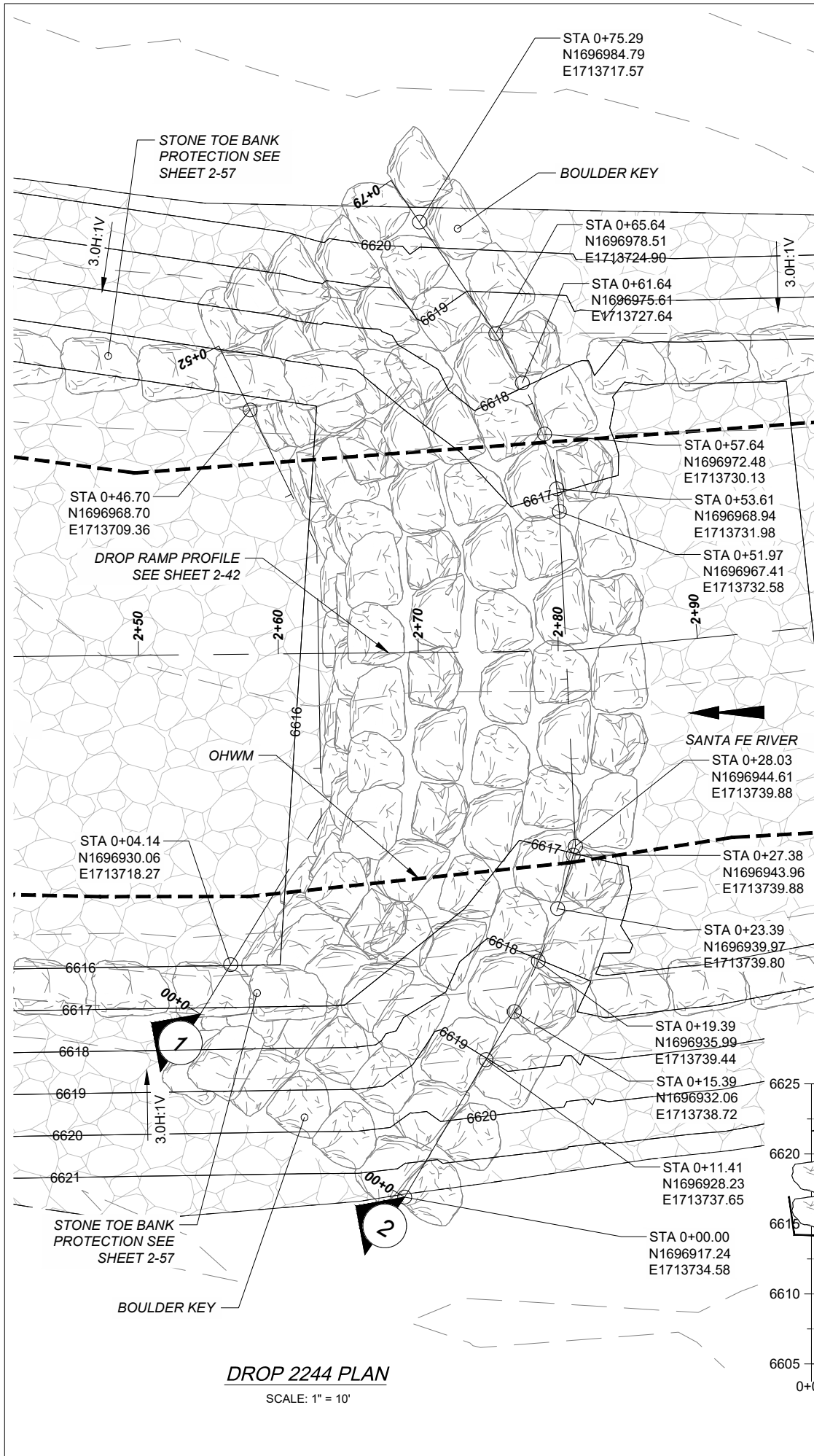
**KEY PLAN**

**PROJECT NUMBER**  
357-7708

**SHEET TITLE**  
SANTA FE RIVER  
CHANNEL STRUCTURE 2180

**SHEET NUMBER**  
2 - 43

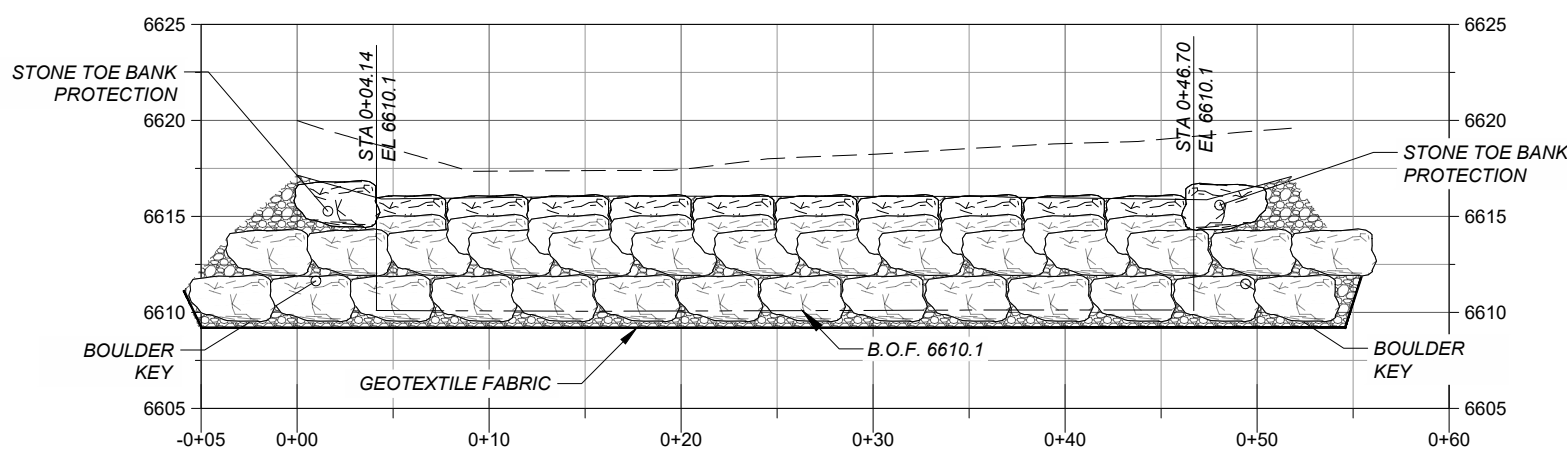




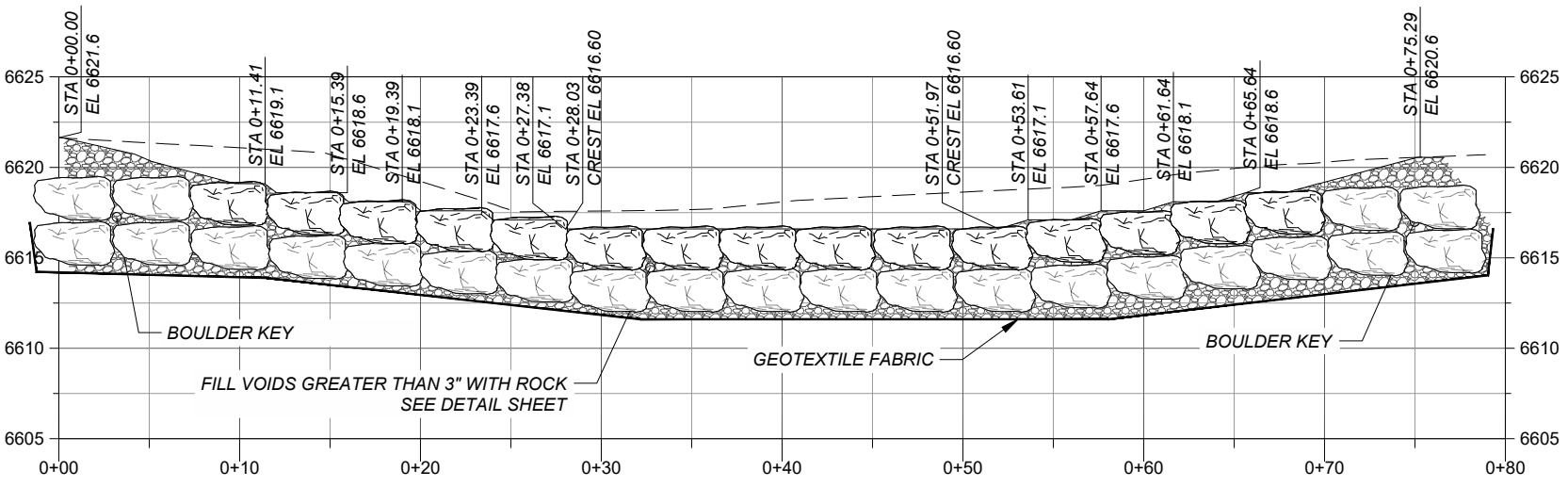
**DROP 2244 PLAN**  
 SCALE: 1" = 10'

**LEGEND:**

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



**DROP TOE SECTION** 1  
 SCALE: 1" = 10'



**DROP CREST SECTION** 2  
 SCALE: 1" = 10'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
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**REGISTRATION**



08-24-2023

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

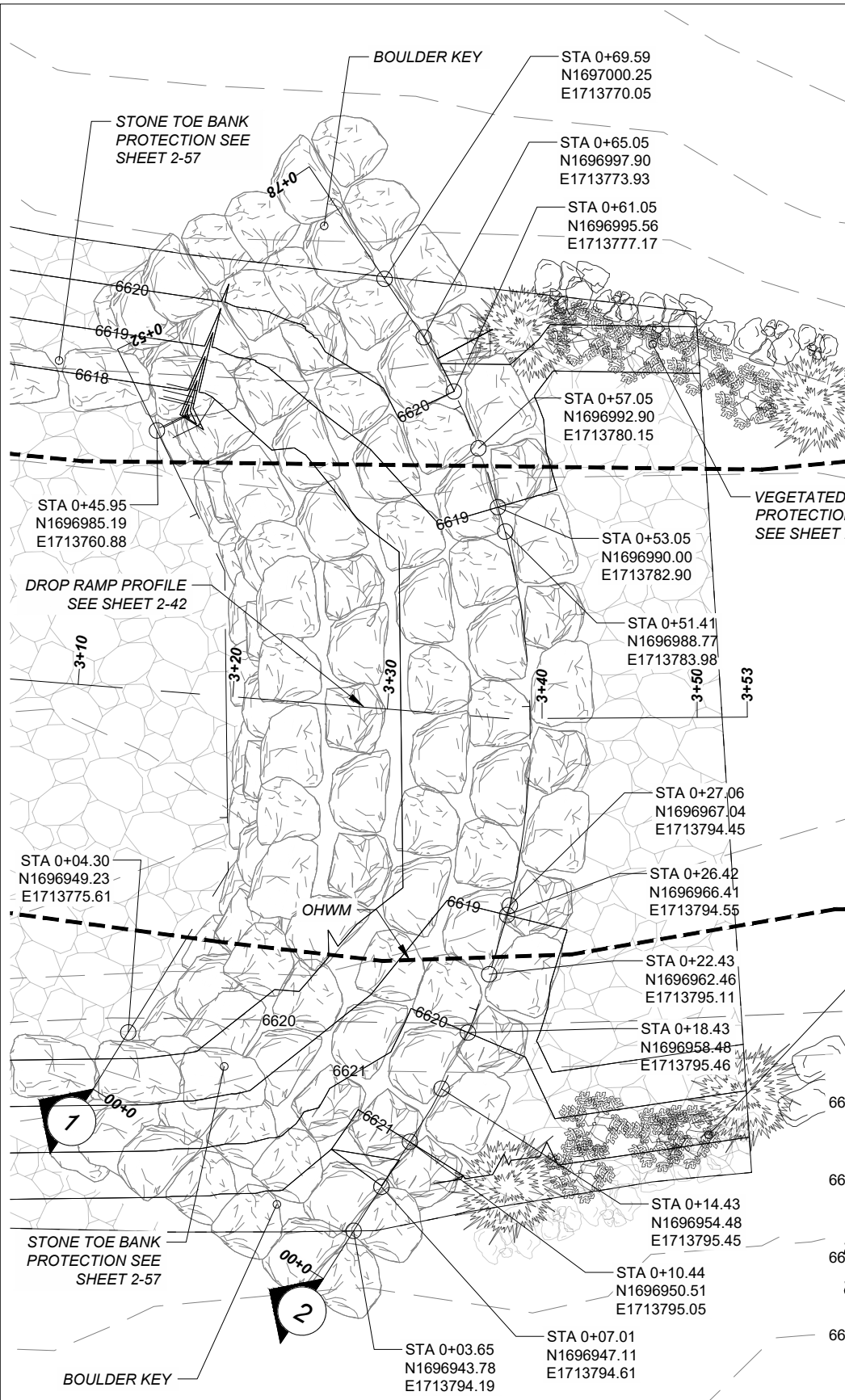
**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 2244

**SHEET NUMBER**  
 2 - 44



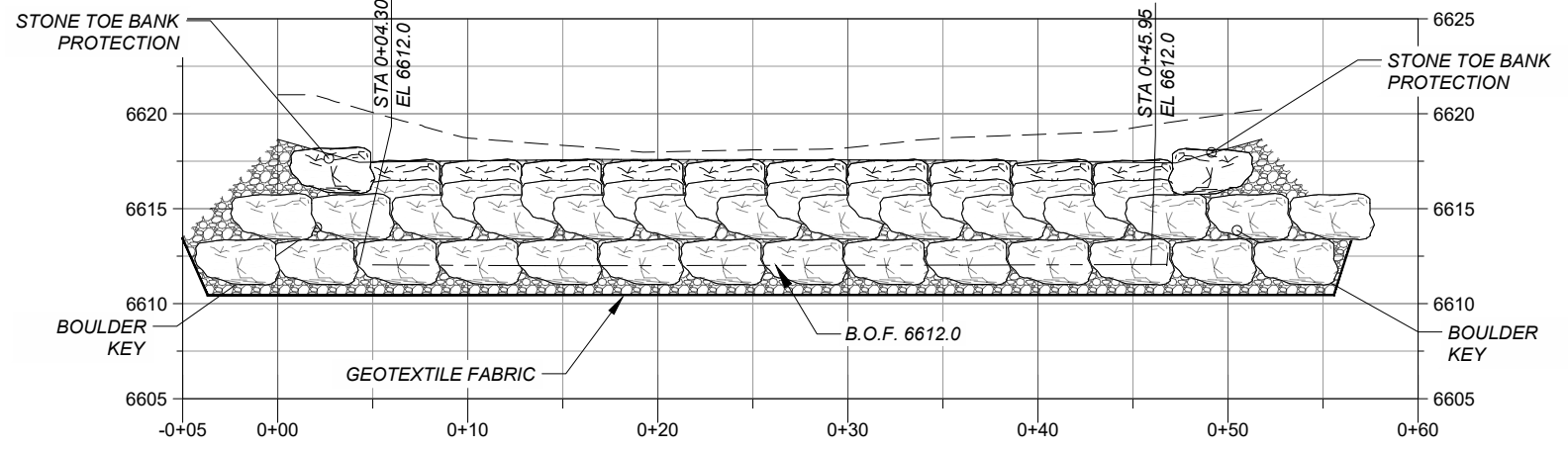
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 Project Management Initials: Designer: SW Checked: RKR Approved: MM  
 ANS I B - 11 x 17



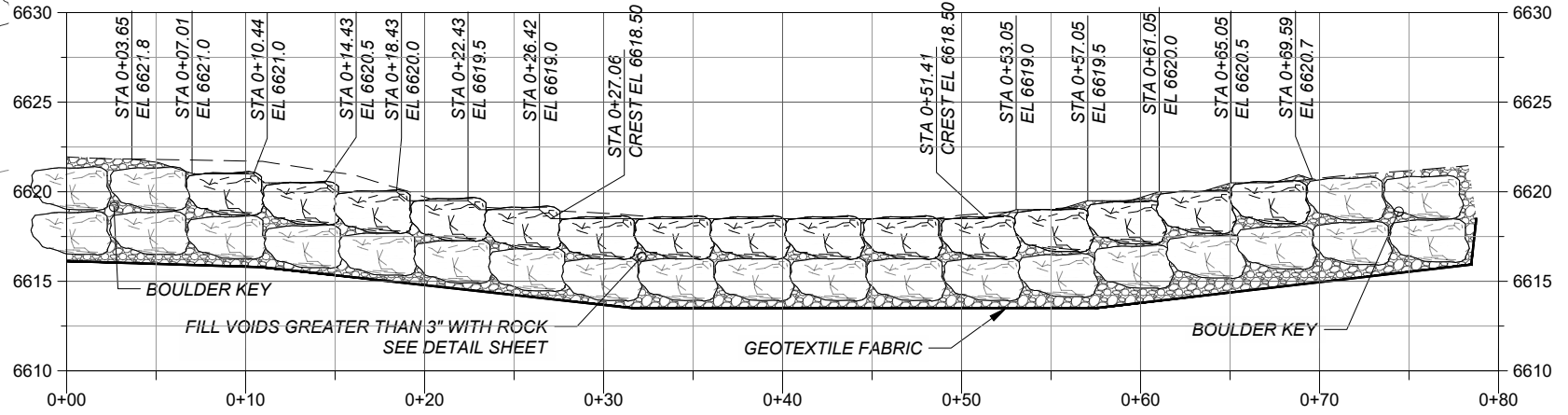
**DROP 2302 PLAN**  
SCALE: 1" = 10'

**LEGEND:**

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



**DROP TOE SECTION 1**  
SCALE: 1" = 10'



**DROP CREST SECTION 2**  
SCALE: 1" = 10'



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
SANTA FE COUNTY  
100 Catron St.  
Santa Fe, New Mexico 87501  
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TOPOGRAPHIC MAPPING  
COOPER AERIAL SURVEYS CO.  
T 602.678.5111  
SUBSURFACE UTILITY ENGINEERING  
COLLIERS ENGINEERING & DESIGN  
T 505.228.3154

**REGISTRATION**



**ISSUE/REVISION**

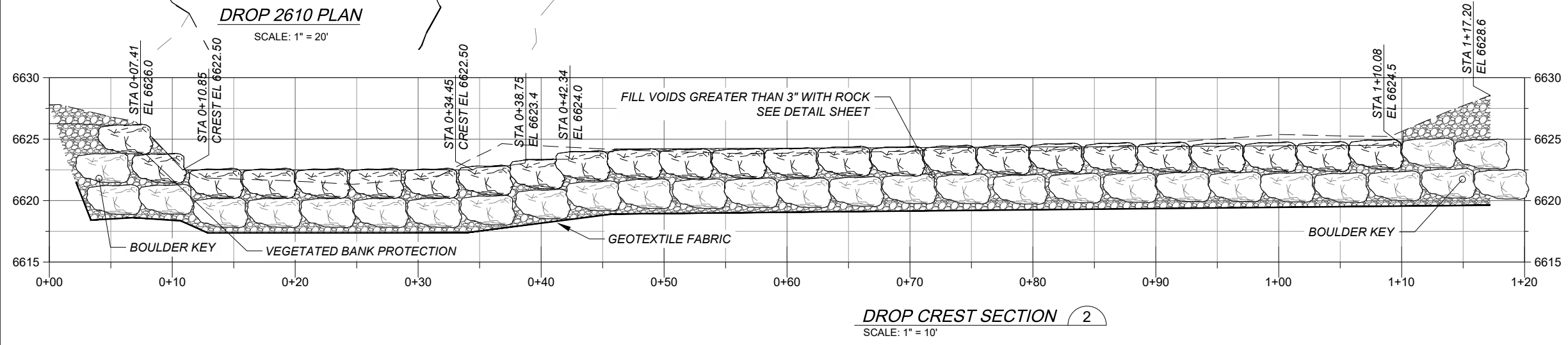
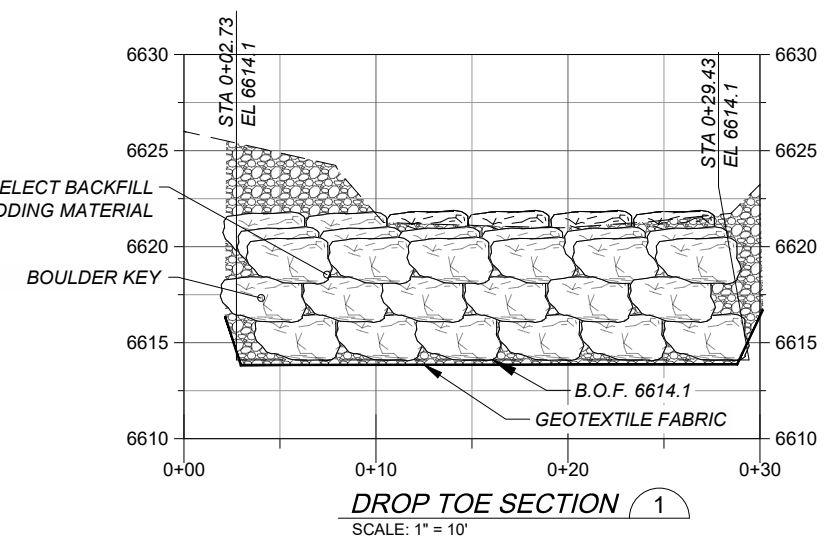
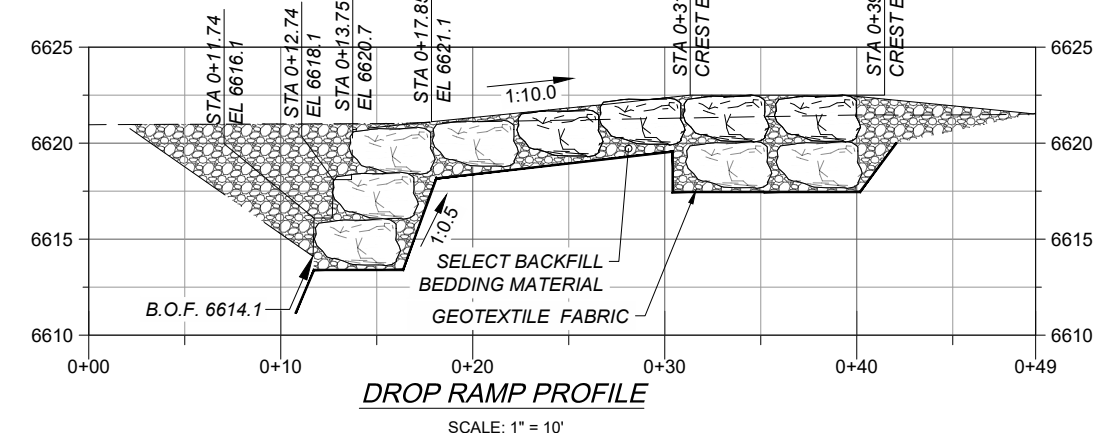
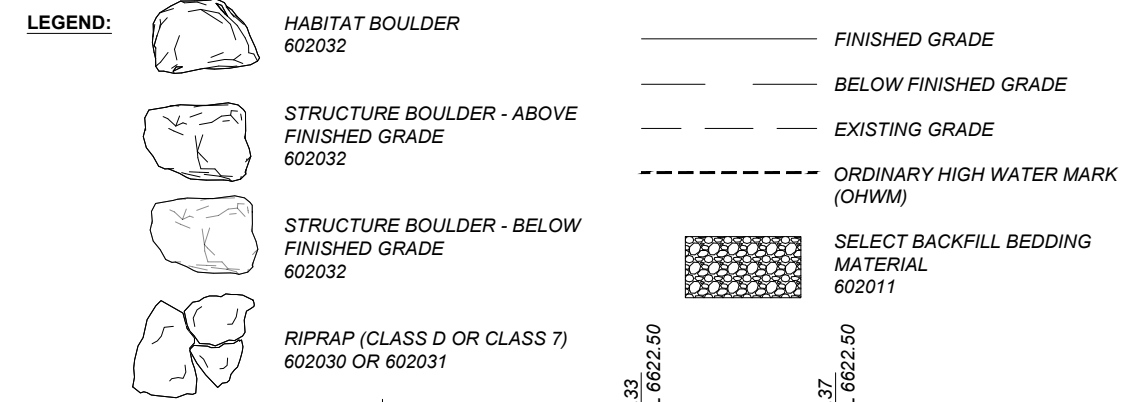
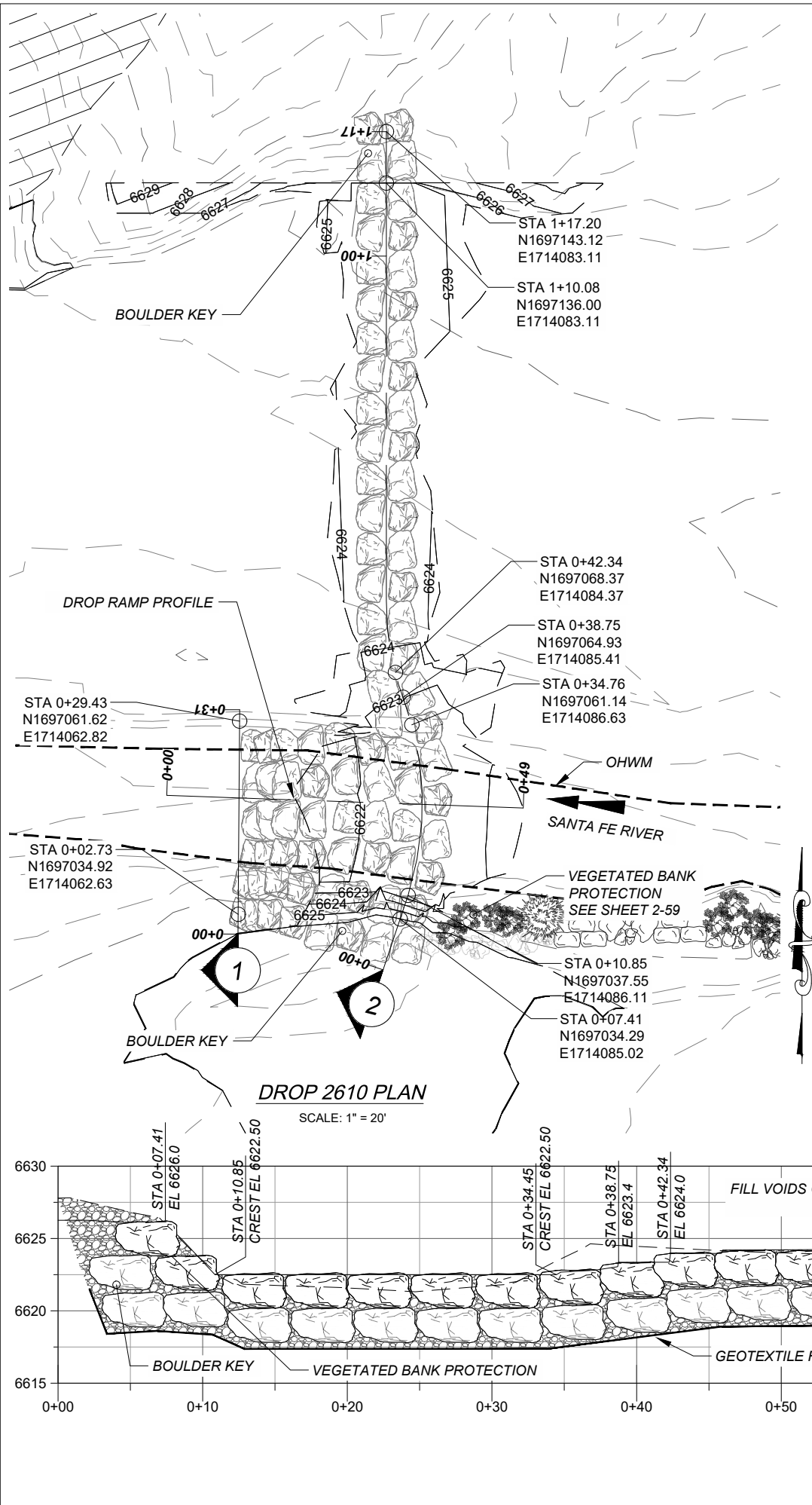
I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
SANTA FE RIVER  
CHANNEL STRUCTURE 2302  
**SHEET NUMBER**  
2 - 45



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 Project Management Initials: Designer: SW Checked: RKR Approved: MM ANSIB - 11 x 17



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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**REGISTRATION**



**ISSUE/REVISION**

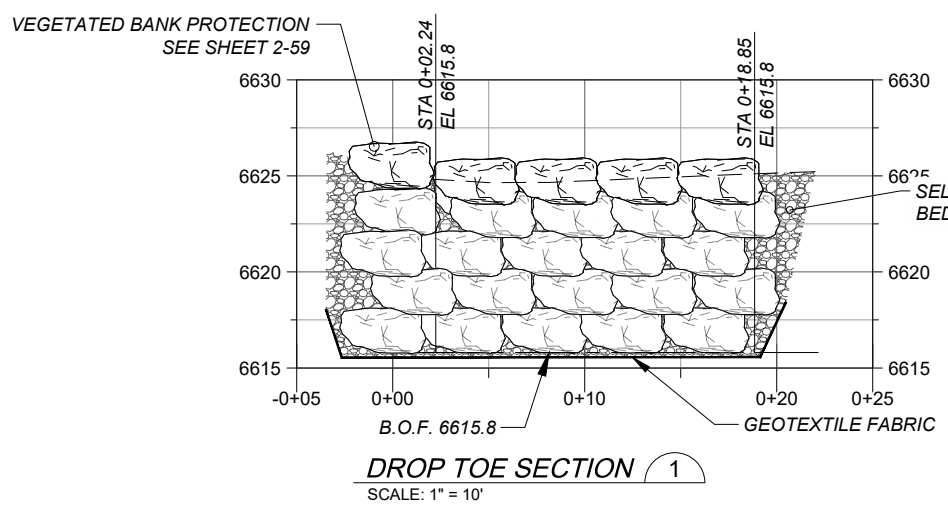
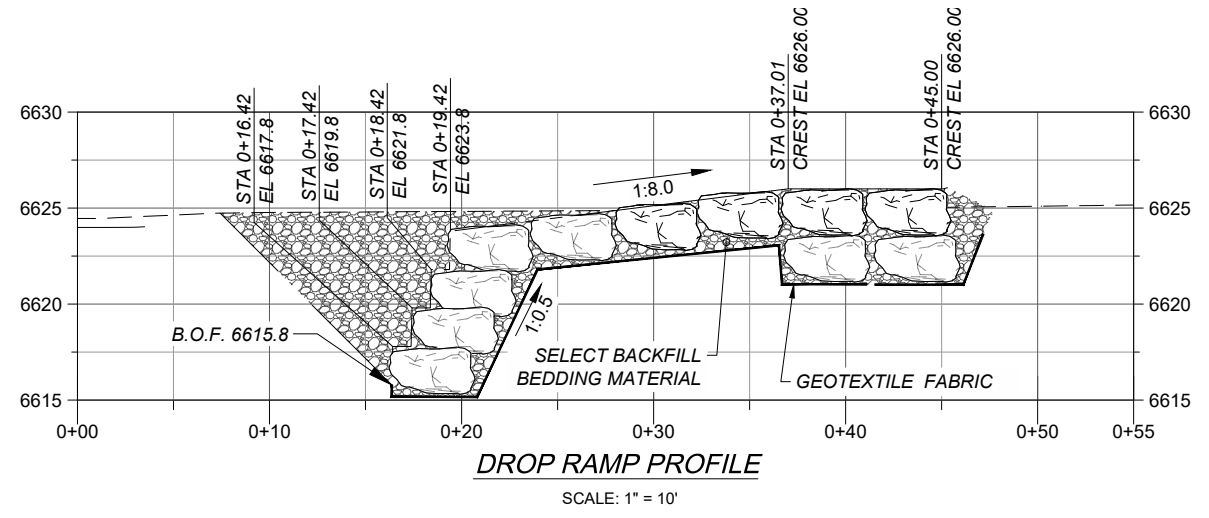
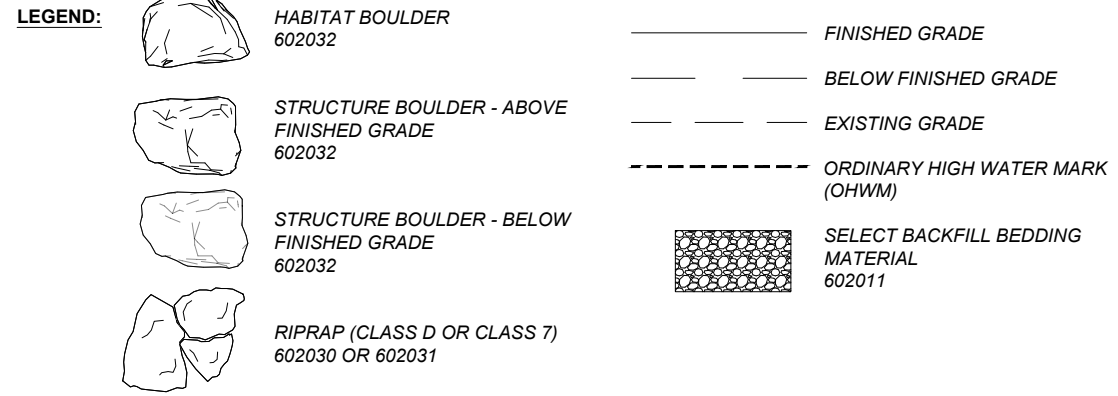
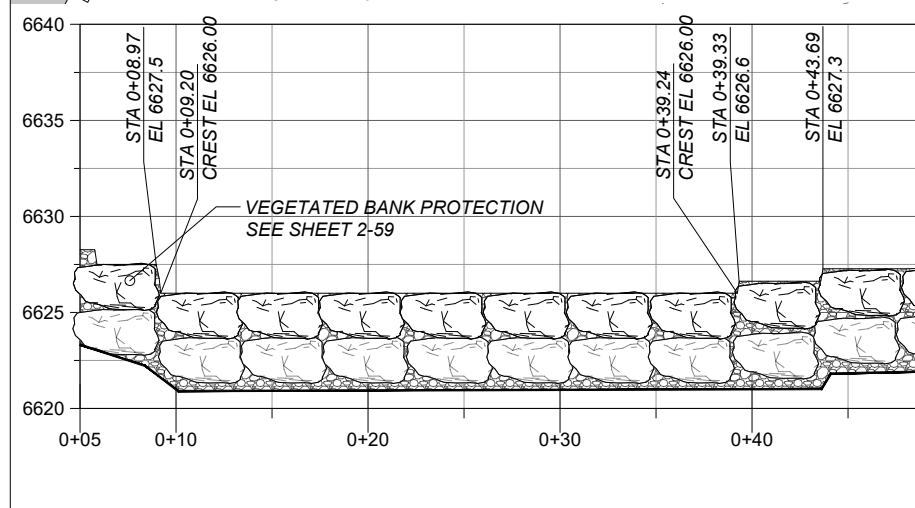
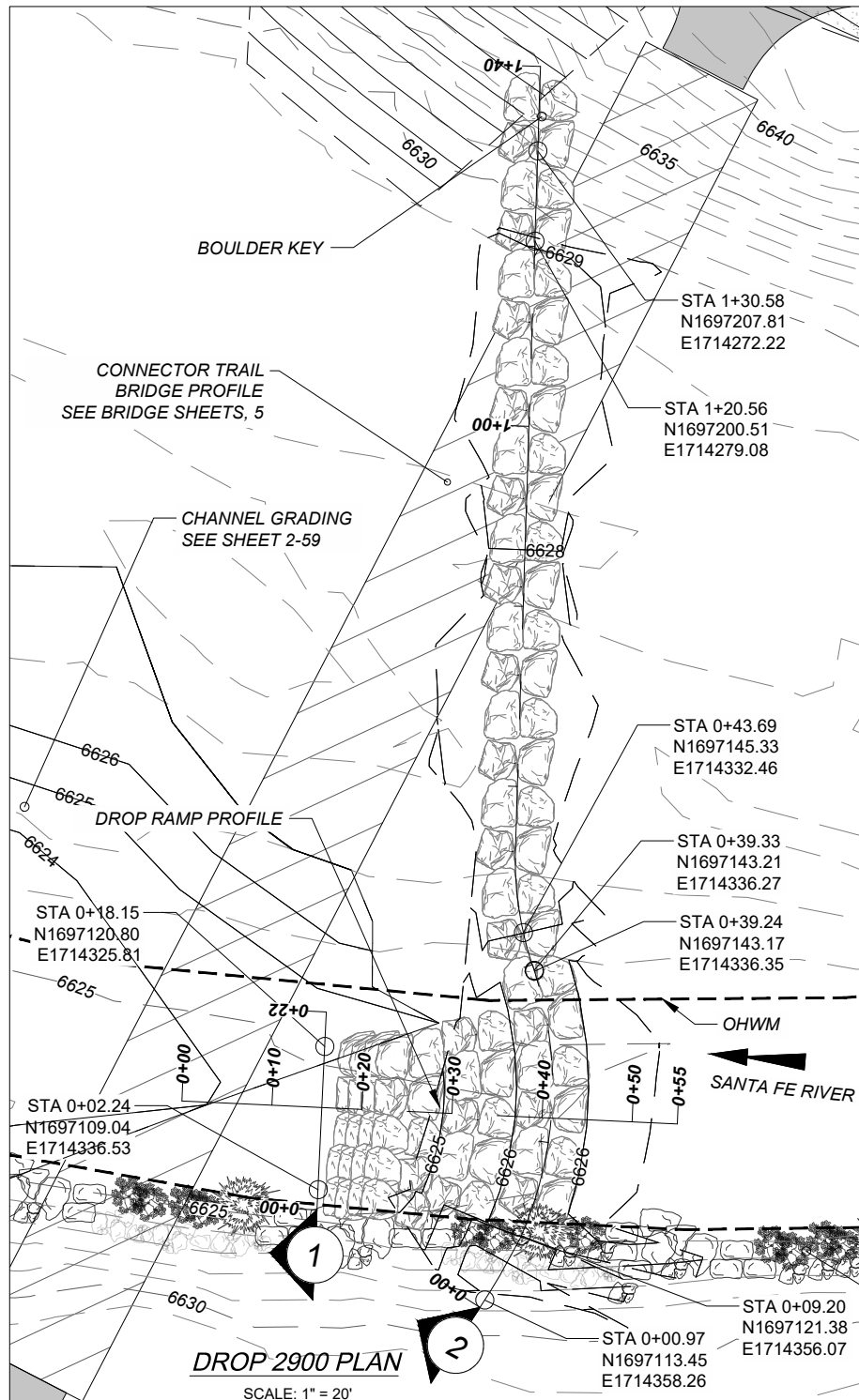
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**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 2610

**SHEET NUMBER**  
 2 - 46

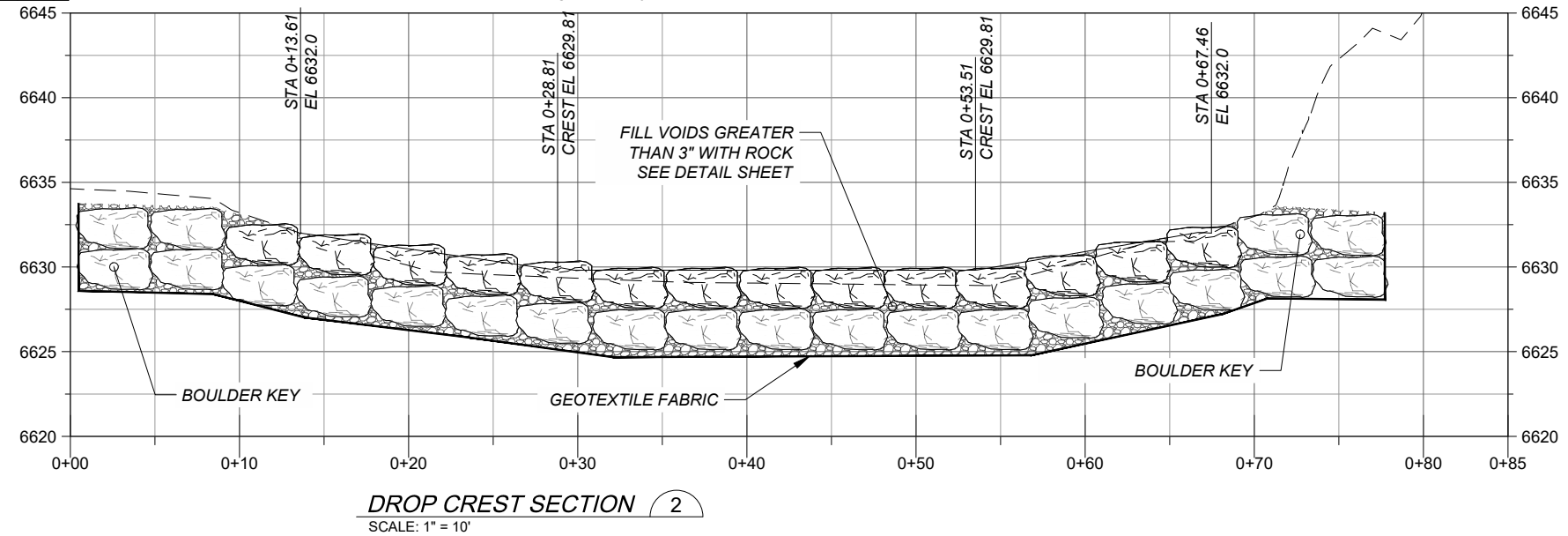
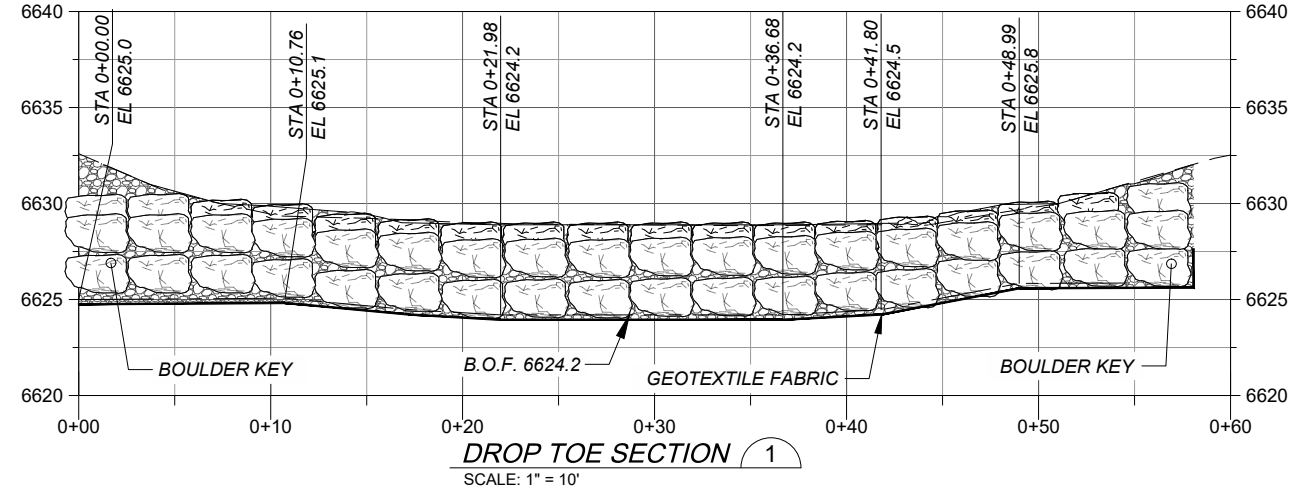
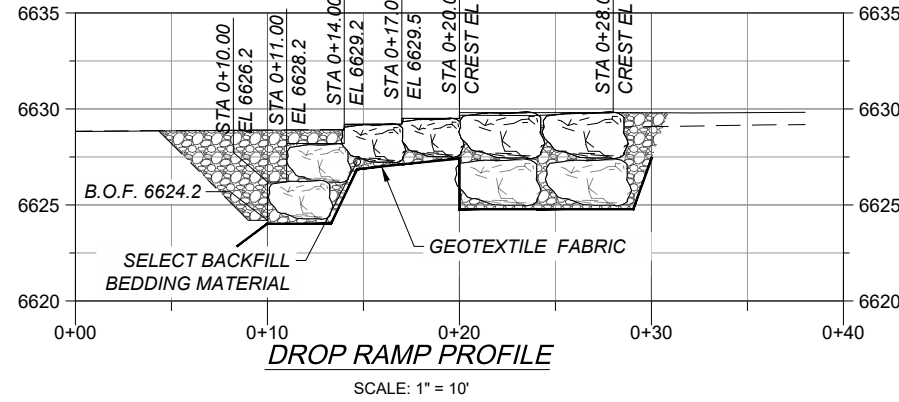
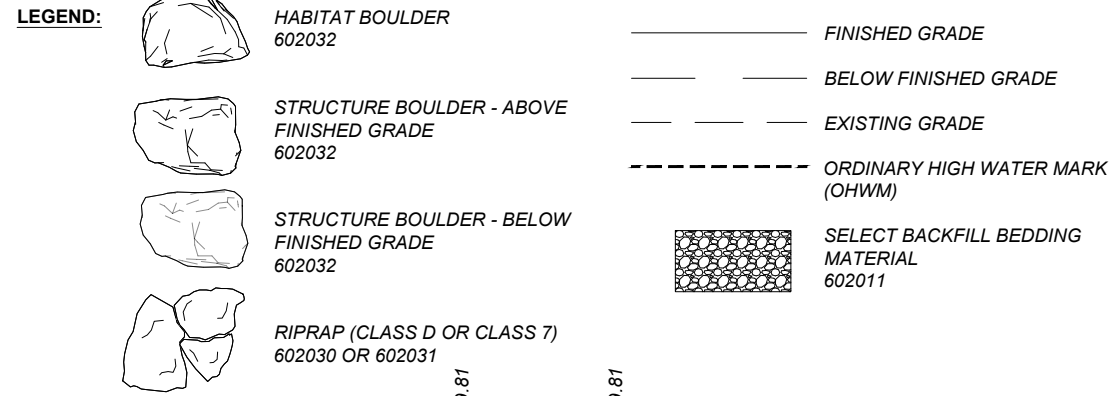
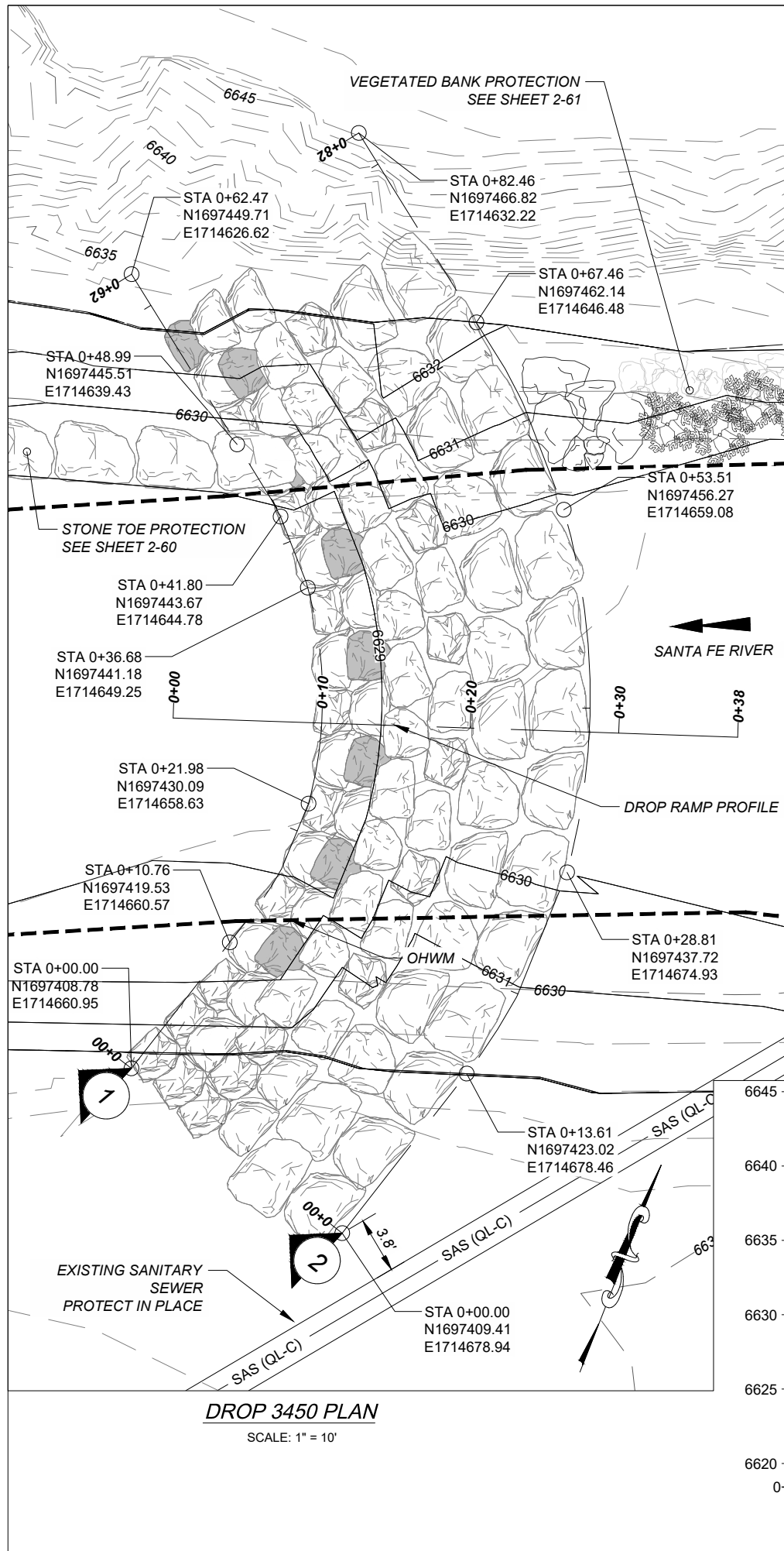


**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**



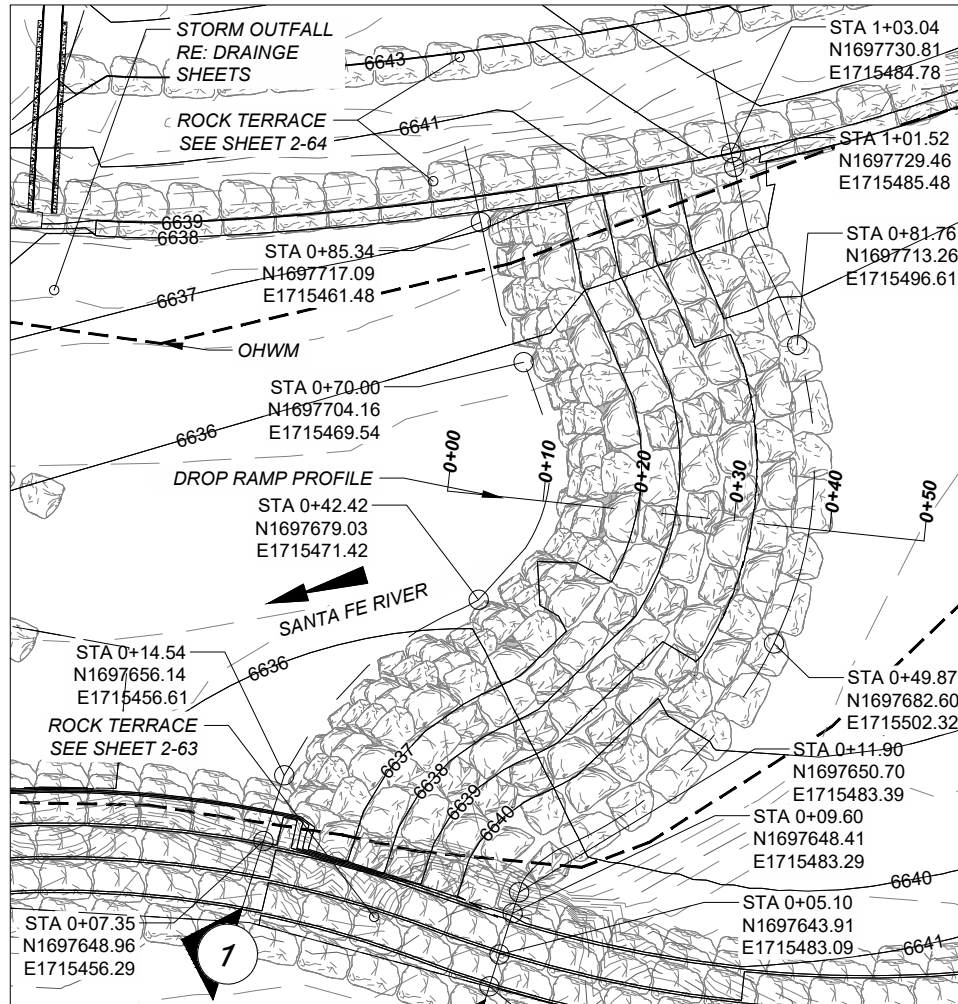


**ISSUE/REVISION**

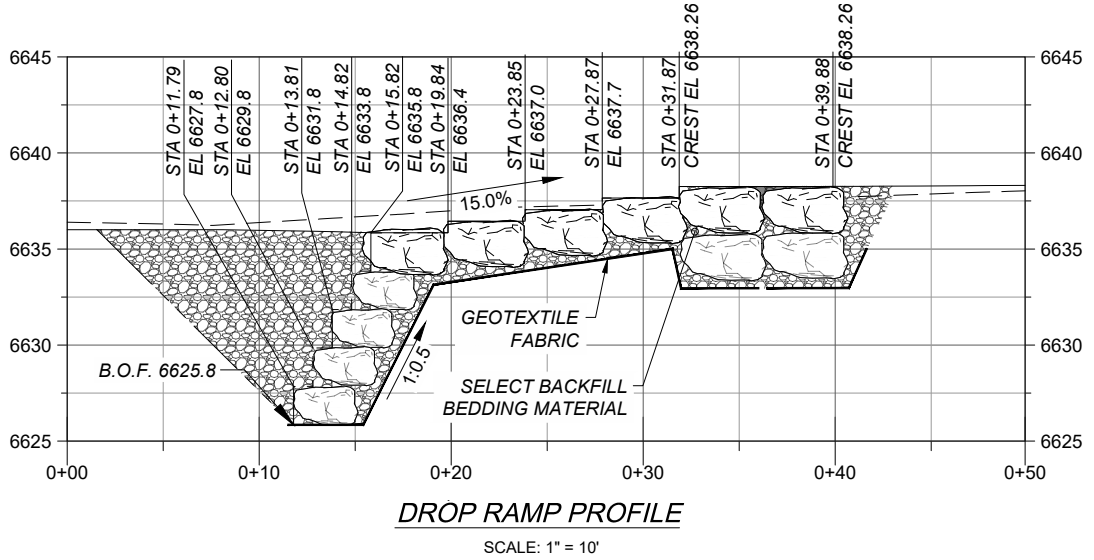
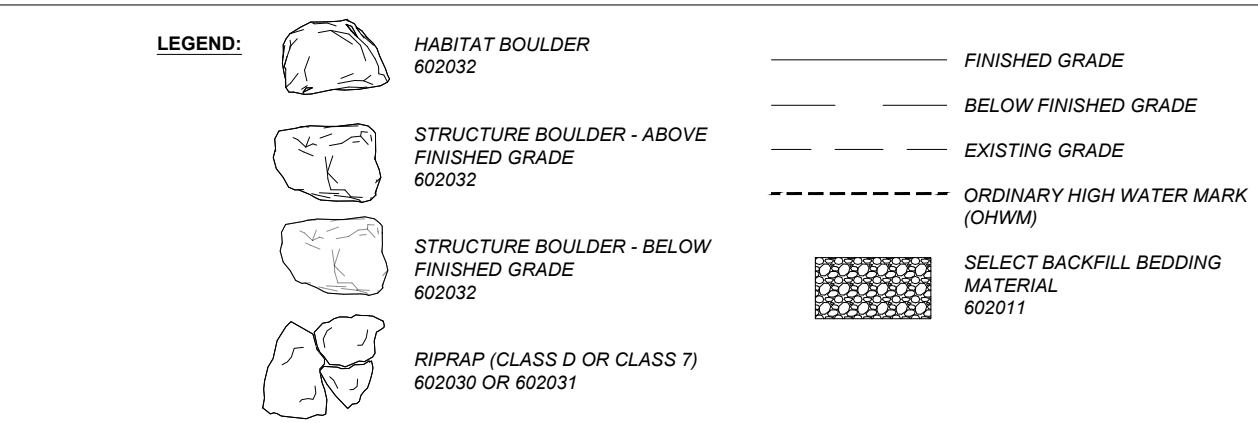
I/R	DATE	DESCRIPTION

**KEY PLAN**

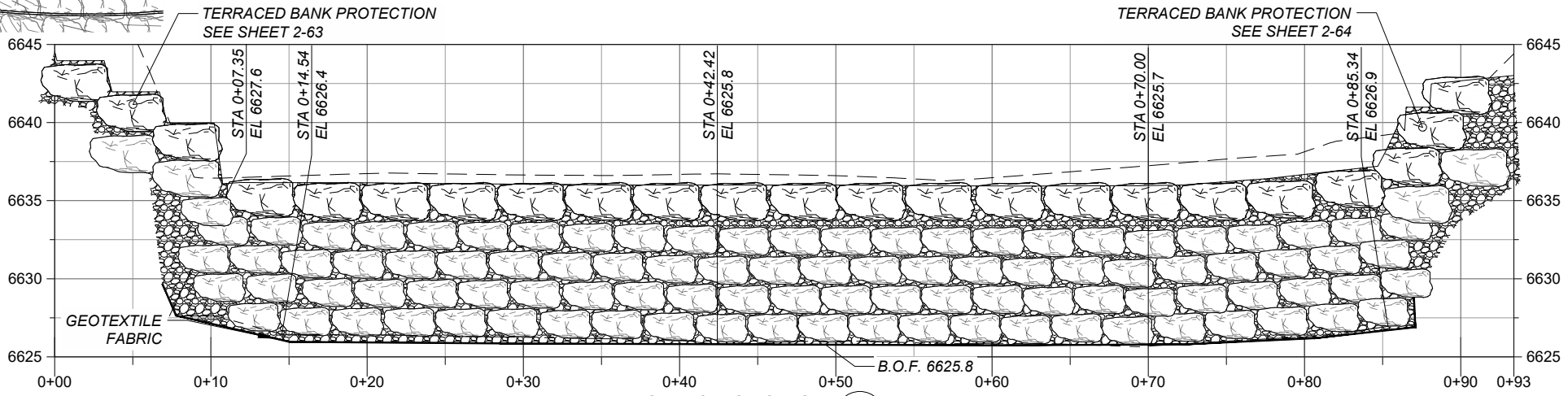




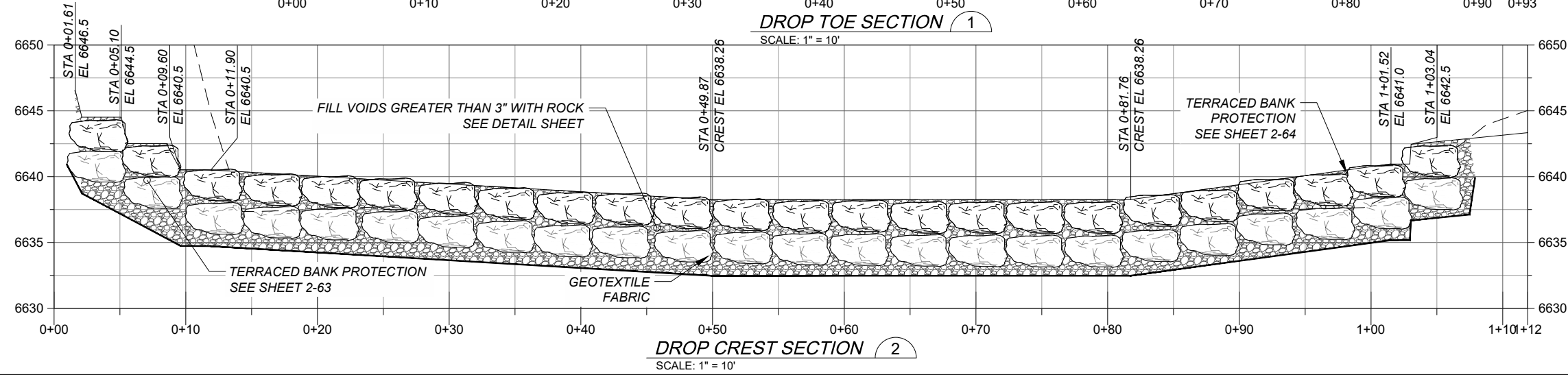
**DROP 4240 PLAN**  
 SCALE: 1" = 20'



**DROP RAMP PROFILE**  
 SCALE: 1" = 10'



**DROP TOE SECTION 1**  
 SCALE: 1" = 10'



**DROP CREST SECTION 2**  
 SCALE: 1" = 10'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
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**REGISTRATION**



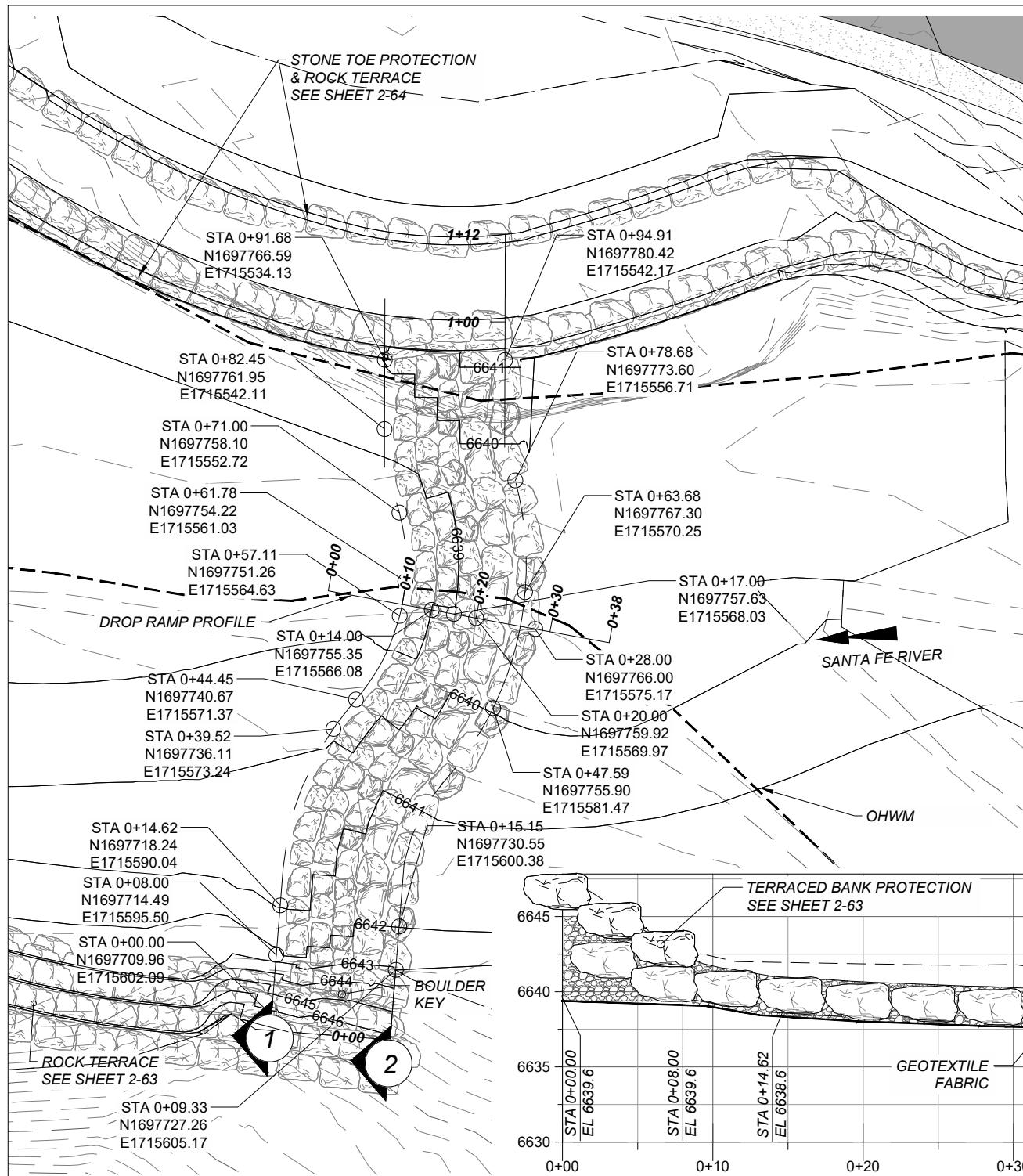
**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER  
 CHANNEL STRUCTURE 4240  
**SHEET NUMBER**  
 2 - 49

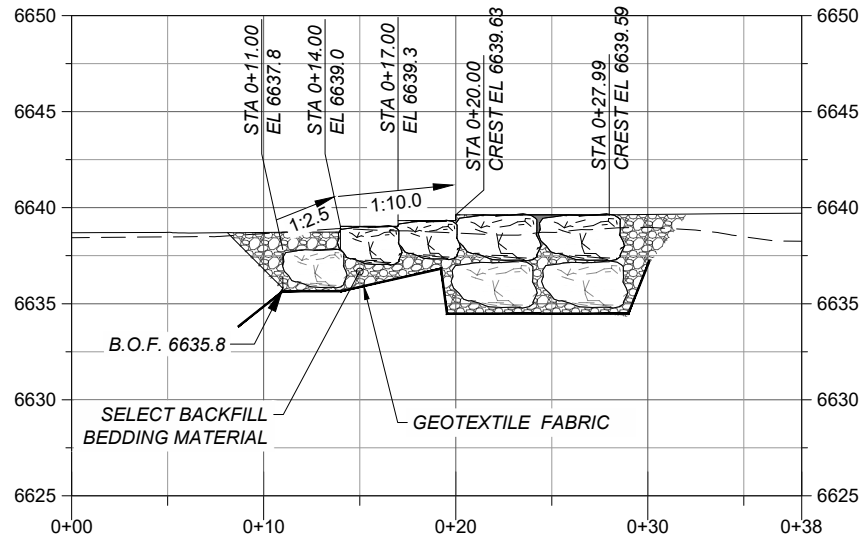




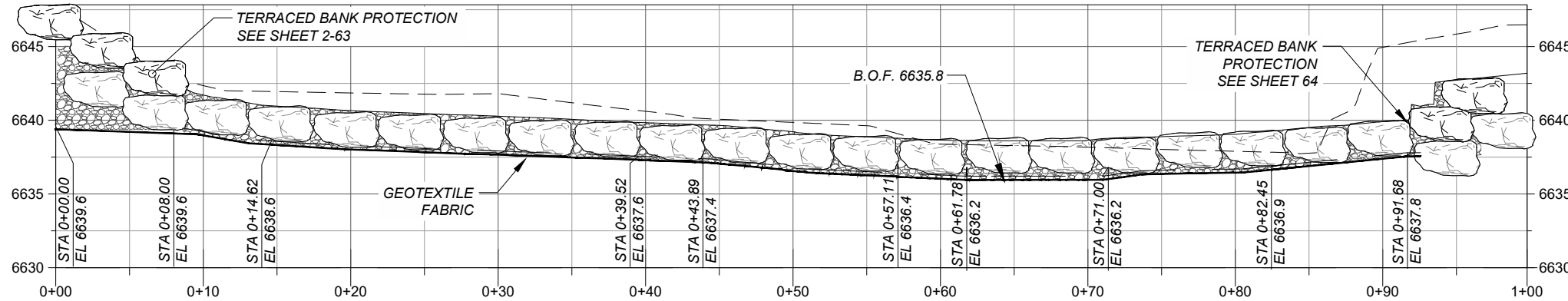
**DROP 4320 PLAN**  
 SCALE: 1" = 20'

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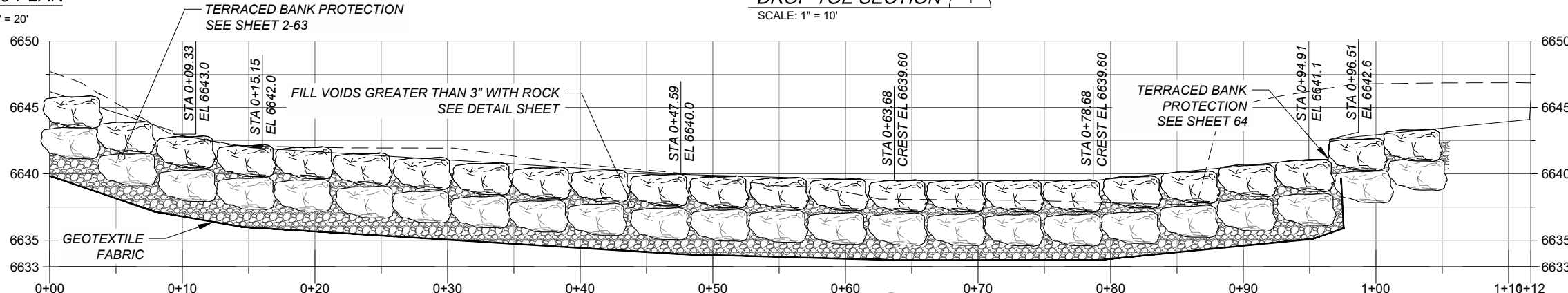
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- STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
- STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
- RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
- FINISHED GRADE
- BELOW FINISHED GRADE
- EXISTING GRADE
- ORDINARY HIGH WATER MARK (OHWM)
- SELECT BACKFILL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



**DROP RAMP PROFILE**  
 SCALE: 1" = 10'



**DROP TOE SECTION 1**  
 SCALE: 1" = 10'



**DROP CREST SECTION 2**  
 SCALE: 1" = 10'



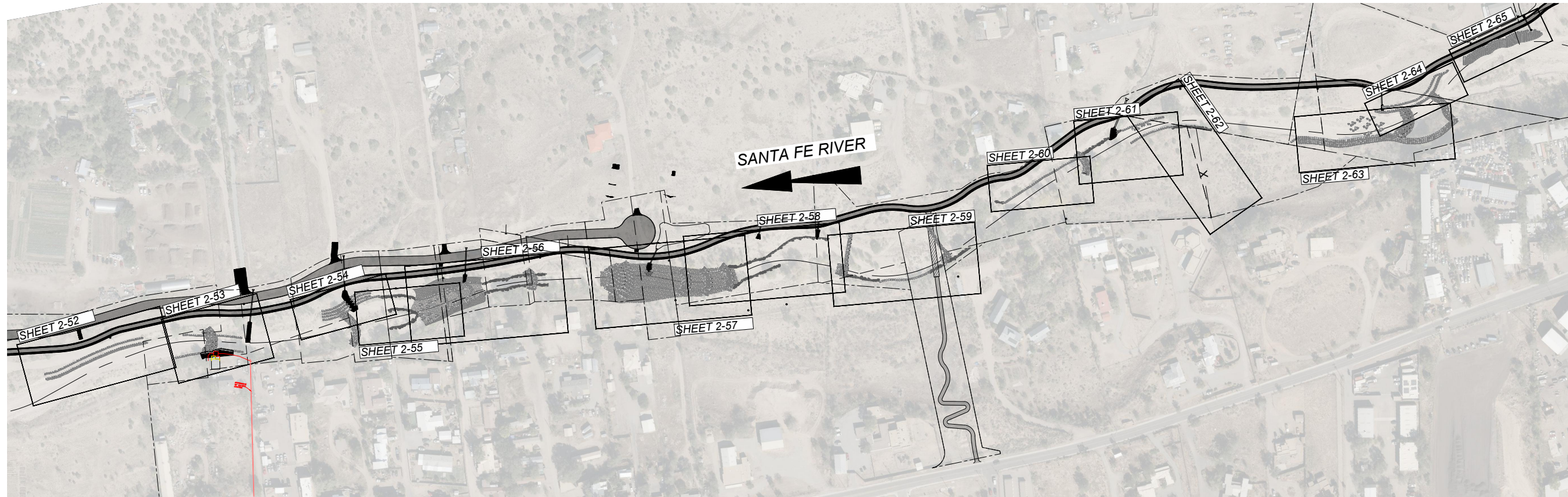
08-24-2023

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**





OVERALL PLAN

SCALE: 1" = 300'

**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
SANTA FE  
COUNTY  
100 Catron St.  
Santa Fe, New Mexico 87501  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
SANTA FE RIVER  
BANK STRUCTURES  
INDEX AND QUANTITIES  
**SHEET NUMBER**  
2 - 51

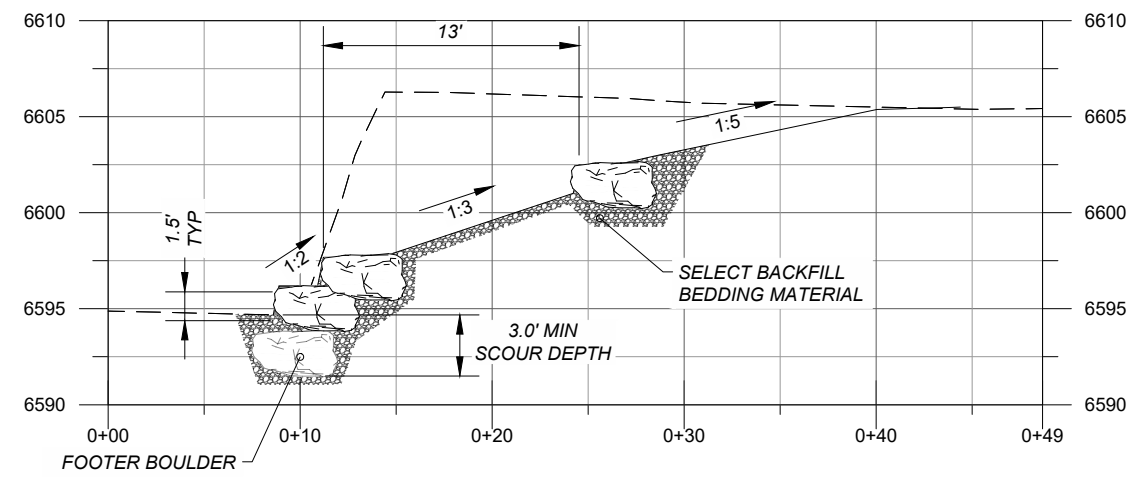
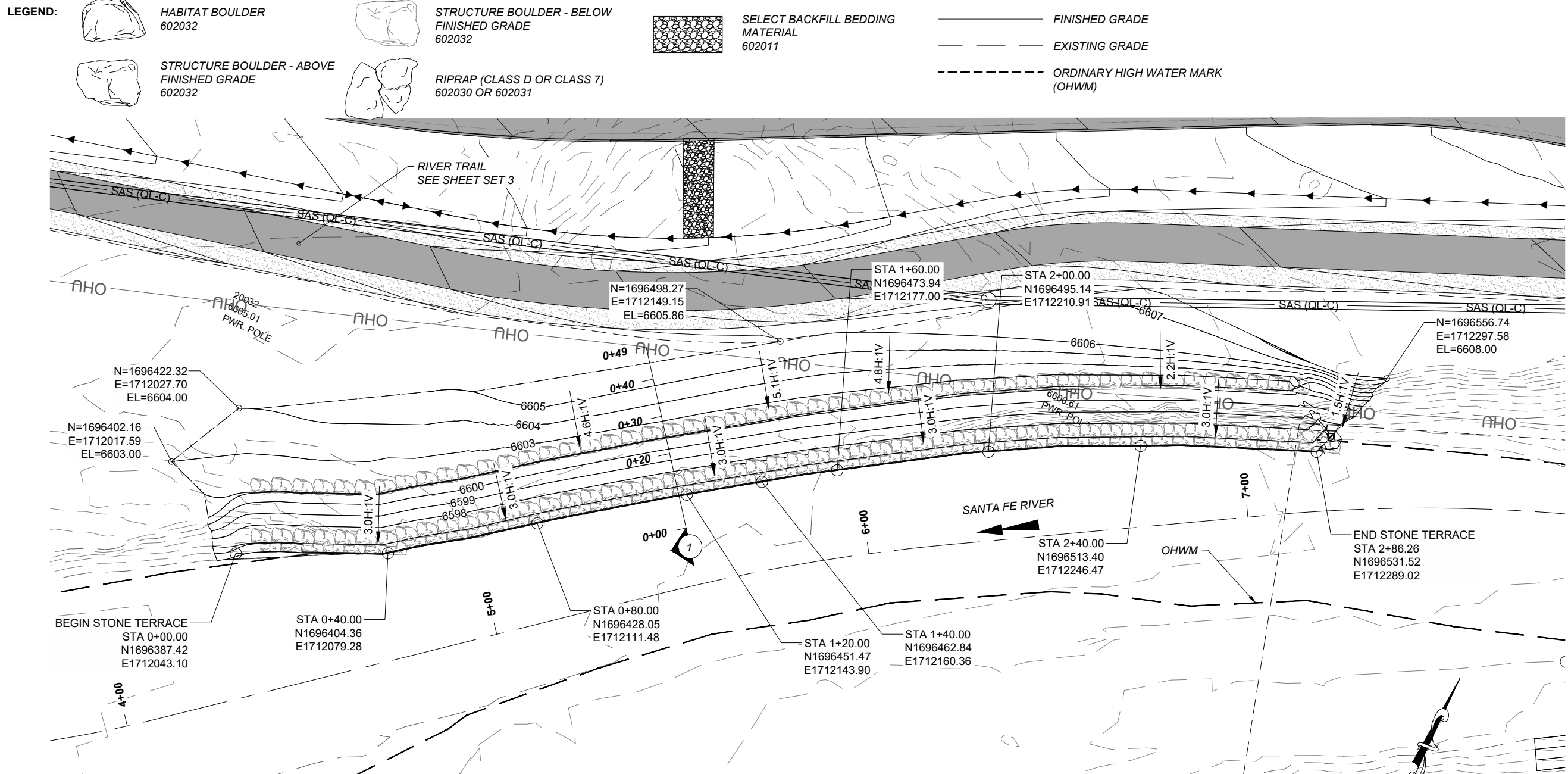
BANK STABILIZATION SHEET	BANK STABILIZATION QUANTITIES			
	602030	602010	602011	602032
	RIPRAP CLASS D C.Y.	RIPRAP CLASS B C.Y.	SELECT BACKFILL C.Y.	STRUCTURE BOULDER & HABITAT BOULDER C.Y.
580	0.0	0.0	350.8	340.1
900	75.2	48.0	75.2	171.9
1350	0.0	0.0	397.0	237.0
1450	111.6	0.0	111.6	40.6
1800	231.7	0.0	231.7	265.6
2200	106.8	0.0	106.8	244.1
2500	142.9	0.0	232.0	89.3
2750	174.2	0.0	174.2	116.9
3200	85.9	0.0	85.9	137.5
3500	170.7	0.0	188.1	157.0
3600	44.8	0.0	44.8	16.3
4150	0.0	0.0	823.1	812.4
4300	0.0	0.0	160.9	300.7
4530	0.0	0.0	465.7	594.1
<b>PROJECT TOTAL</b>	<b>1143.9</b>	<b>48.0</b>	<b>3447.9</b>	<b>3523.7</b>
<b>PROJECT USE</b>	<b>1150</b>	<b>48.0</b>	<b>3450</b>	<b>3550</b>

CHANNEL EARTHWORK QUANTITIES	
203000	
UNCLASSIFIED EXCAVATION	
C.Y.	
<b>PROJECT TOTAL</b>	<b>8643.48</b>
<b>PROJECT USE</b>	<b>8650</b>

NOTE: NMDOT (2019). "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION."  
602011 SELECT BACKFILL SPECIFICATION TO BE SPECIAL CONTRACT REVISION  
602032 STRUCTURE BOULDER & HABITAT BOULDER SPECIFICATION TO BE SPECIAL CONTRACT REVISION



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 ANS I B - 11 x 17



**PROJECT**  
SANTA FE RIVER  
GREENWAY PROJECT  
(SECTION B)

**CLIENT**  
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08-24-2023



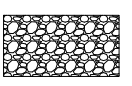




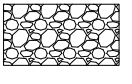
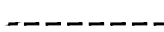
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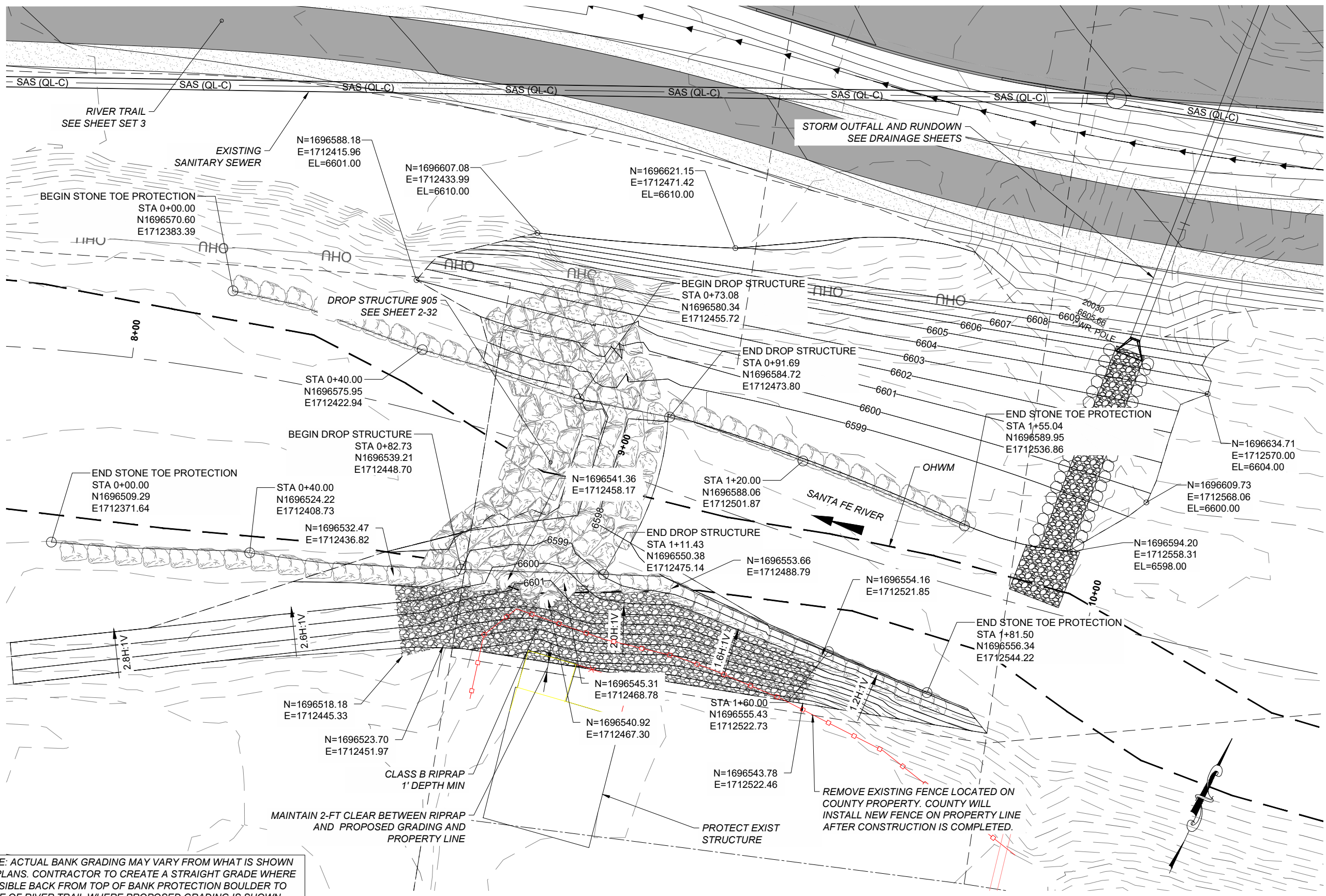
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**KEY PLAN**

**PROJECT NUMBER**  
357-7708  
**SHEET TITLE**  
SANTA FE RIVER  
BANK STRUCTURE 580  
**SHEET NUMBER**  
2 - 52

**LEGEND:**

-  HABITAT BOULDER 602032
-  STRUCTURE BOULDER - BELOW FINISHED GRADE 602032
-  SELECT BACKFILL BEDDING MATERIAL 602011
-  FINISHED GRADE
-  EXISTING GRADE
-  STRUCTURE BOULDER - ABOVE FINISHED GRADE 602032
-  RIPRAP (CLASS D OR CLASS 7) 602030 OR 602031
-  RIPRAP (CLASS B) 602010
-  ORDINARY HIGH WATER MARK (OHWM)



**NOTE:** ACTUAL BANK GRADING MAY VARY FROM WHAT IS SHOWN ON PLANS. CONTRACTOR TO CREATE A STRAIGHT GRADE WHERE POSSIBLE BACK FROM TOP OF BANK PROTECTION BOULDER TO EDGE OF RIVER TRAIL WHERE PROPOSED GRADING IS SHOWN. MAXIMUM SLOPE SHALL BE 3:1 H:V.

**BANK PROTECTION 900 PLAN**  
 SCALE: 1" = 20'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
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**ISSUE/REVISION**

I/R	DATE	DESCRIPTION





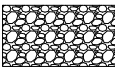



**KEY PLAN**

**PROJECT NUMBER**  
 357-7708

**SHEET TITLE**  
 SANTA FE RIVER  
 BANK STRUCTURE 900

**SHEET NUMBER**  
 2 - 53



- 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)

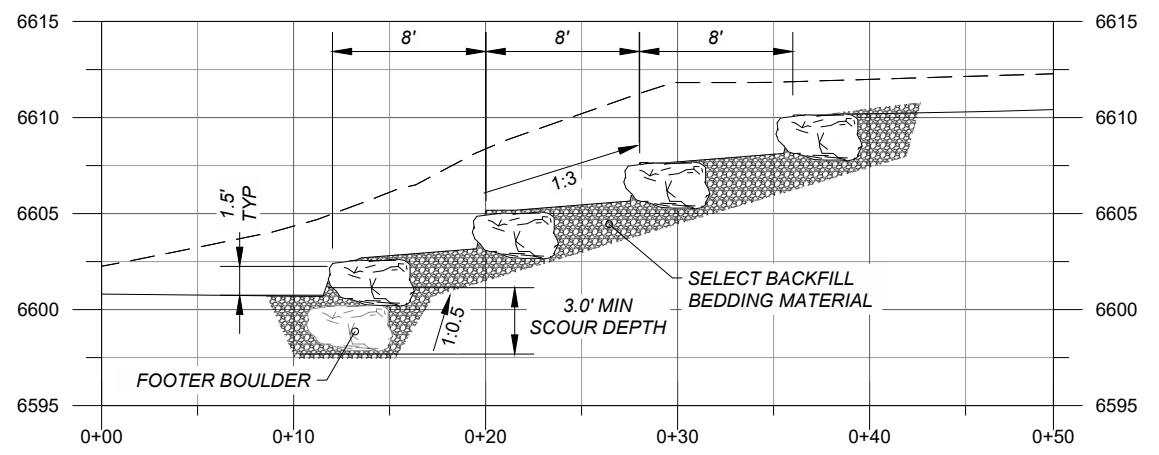
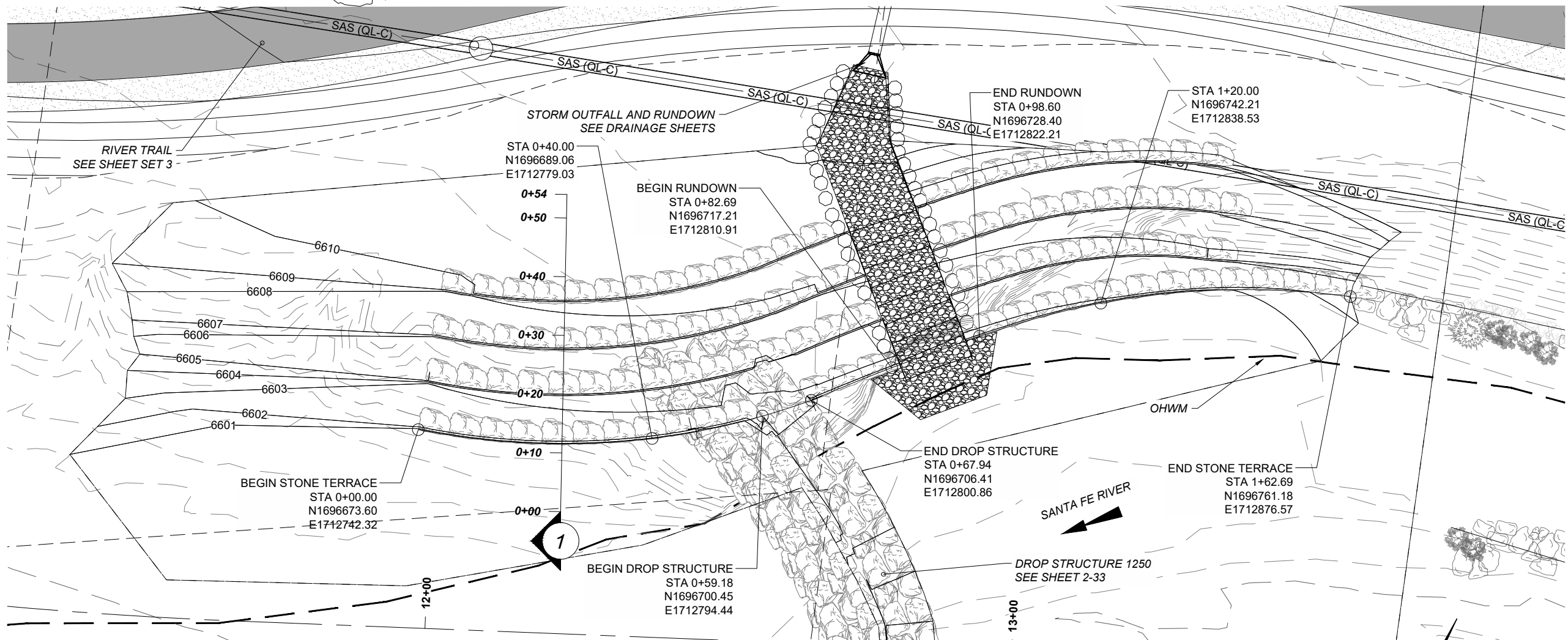


**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

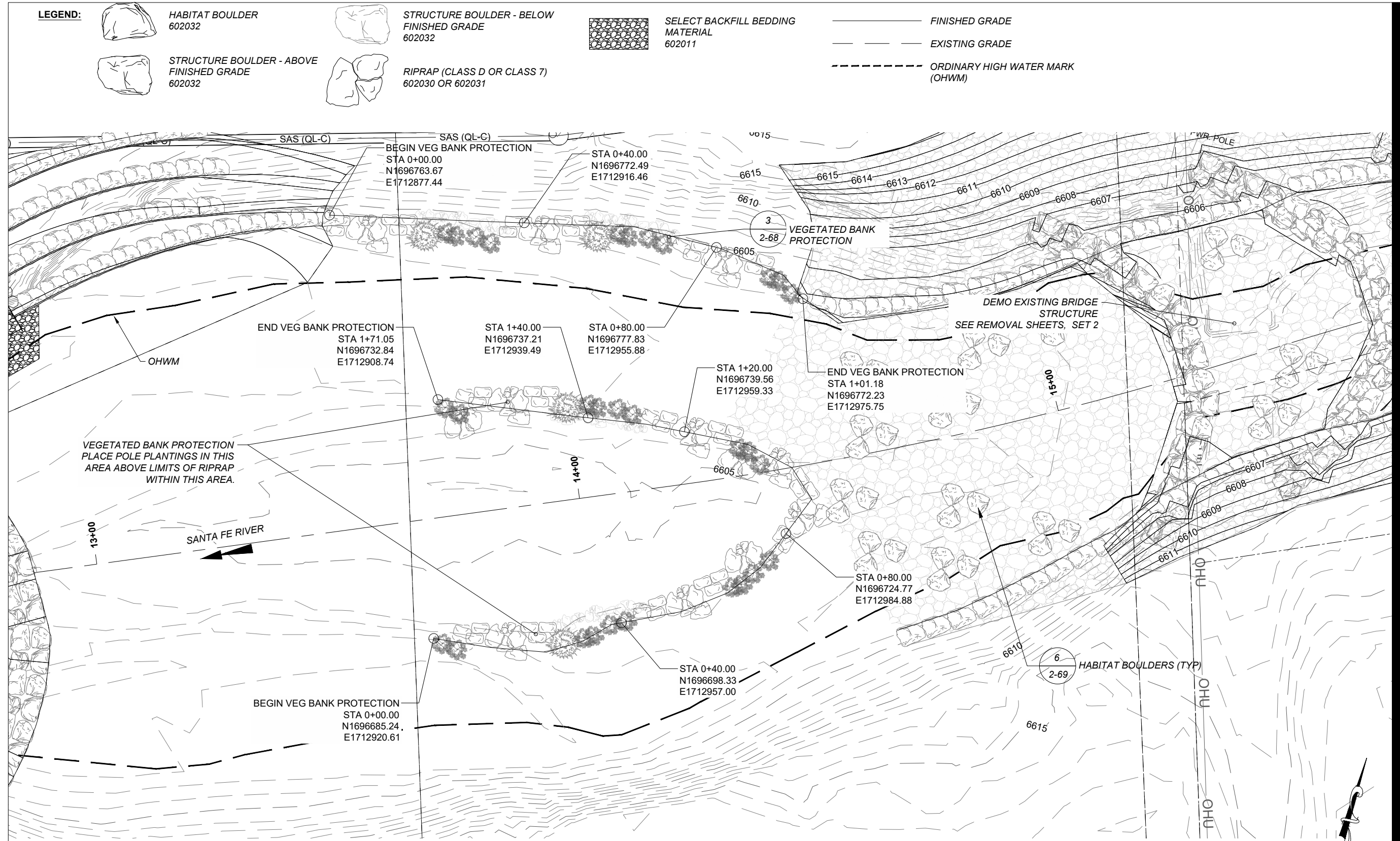
Project Management Initials: Designer: SW Checked: RKR Approved: MM



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ANS I B - 11 x 17  
 Approved: MM  
 Checked: RKR  
 Designer: SW  
 Project Management Initials:  
 Last saved by: CALVIN.SANCHEZ(2023-08-22) Last Plotted: 2023-08-24  
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**BANK PROTECTION 1500 PLAN**  
 SCALE: 1" = 20'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

**CLIENT**  
 SANTA FE COUNTY  
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**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION



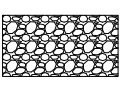





**KEY PLAN**

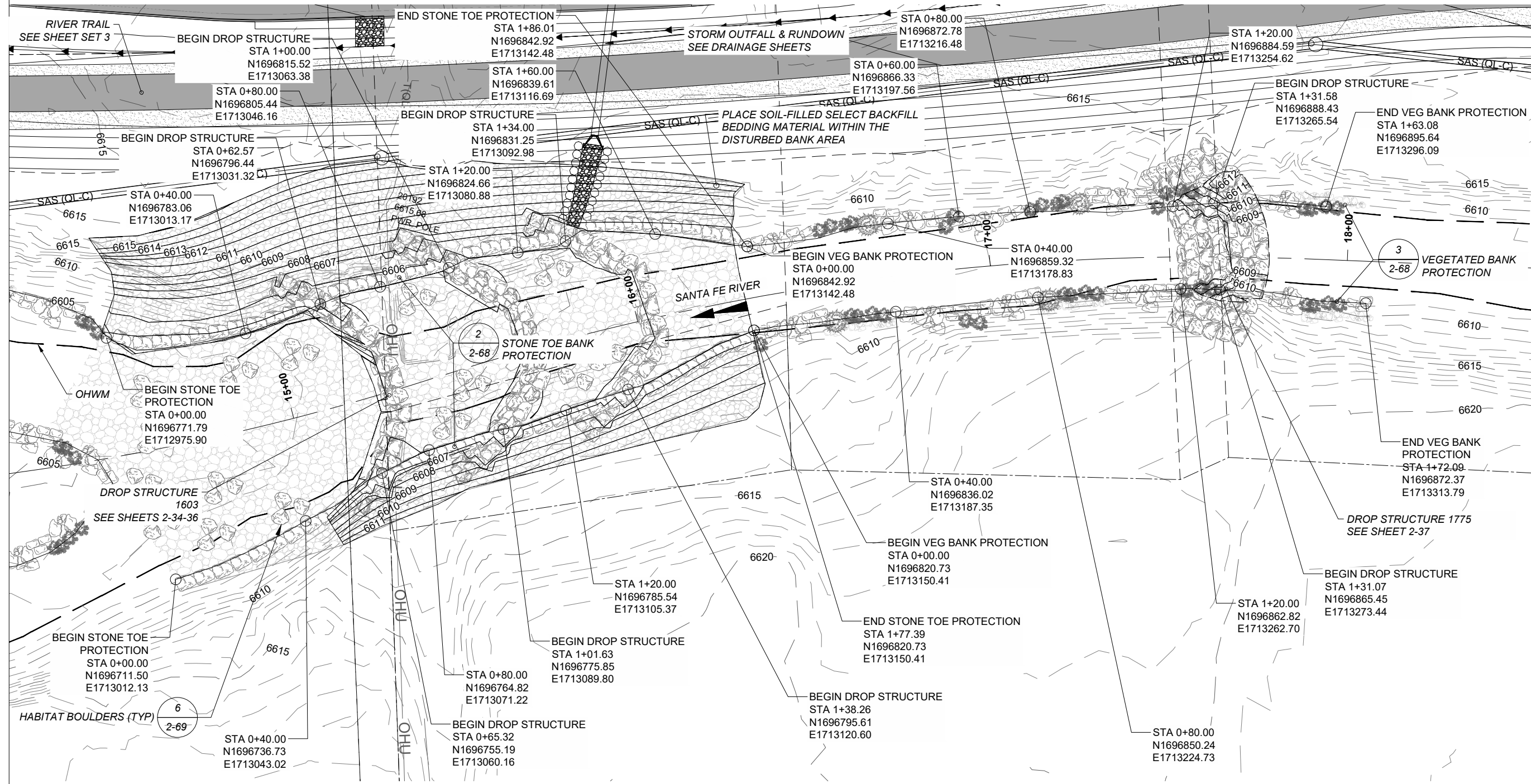
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 357-7708  
**SHEET TITLE**  
 SANTA FE RIVER  
 BANK STRUCTURE 1500  
**SHEET NUMBER**  
 2 - 55



ANS1 B - 11 x 17  
 Approved: MM  
 Checked: RKR  
 Designer: SW  
 Project Management Initials:  
 Last saved by: CALVIN.SANCHEZ(2023-06-22) - Last Plotted: 2023-08-24  
 Filename: c:\pwworking\usm\dm\03256\SRFG\_BANK\_STRUC.dwg

**LEGEND:**

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



**BANK PROTECTION 1800 PLAN**

SCALE: 1" = 30'



**PROJECT**  
 SANTA FE RIVER  
 GREENWAY PROJECT  
 (SECTION B)

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

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 150 Washington Avenue, Suite 201  
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 TOPOGRAPHIC MAPPING  
 COOPER AERIAL SURVEYS CO.  
 T 602.678.5111  
 SUBSURFACE UTILITY ENGINEERING  
 COLLIER ENGINEERING & DESIGN  
 T 505.228.3154

**REGISTRATION**



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION

**KEY PLAN**

**PROJECT NUMBER**  
357-7708



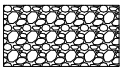


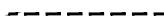


**SHEET TITLE**  
SANTA FE RIVER  
BANK STRUCTURE 1800

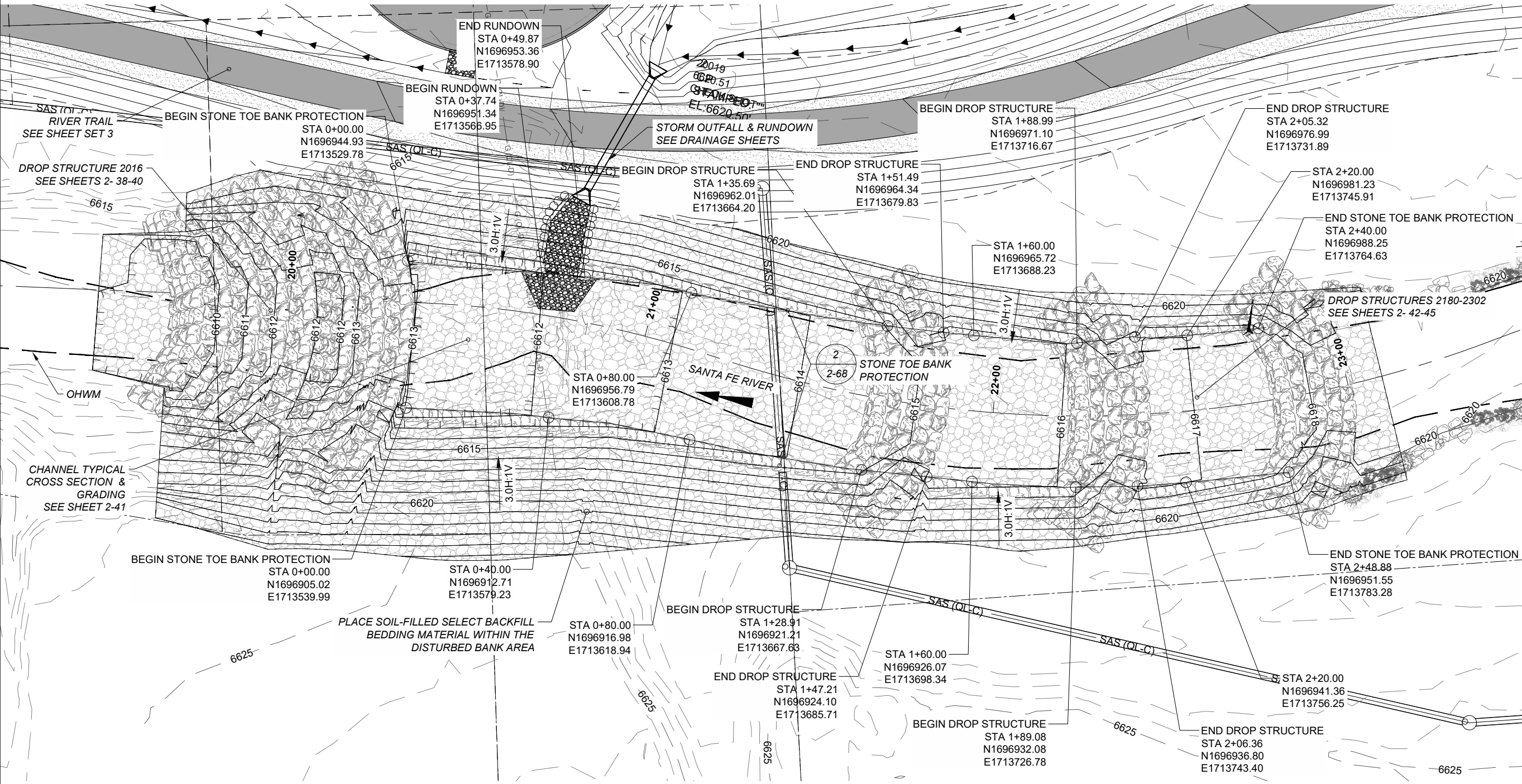
**SHEET NUMBER**  
2 - 56



ANSI B - 11 x 17  
 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\usmtdms\03256\SRFG\_BANK\_STRUC.dwg

**LEGEND:**

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



**BANK PROTECTION 2200 PLAN**  
 SCALE: 1" = 30'



**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 2200

**SHEET NUMBER**  
 2 - 57