SHEET INDEX TITLE SHEET SUMMARY OF QUANTITIES GENERAL NOTES ROCK ISLAND STA 08+00 TO STA 17+50 ROCK ISLAND STA 17+50 TO STA 21+50 ROCK ISLAND STA 21+50 TO STA 27+00 ROCK ISLAND STA 27+00 TO STA 32+50 ROCK ISLAND STA 32+50 TO STA 38+00 ROCK ISLAND STA 38+00 TO STA 43+50 ROCK ISLAND STA 43+50 TO STA 49+00 ROCK ISLAND STA 49+00 TO STA 54+50 ROCK ISLAND STA 54+50 TO STA 60+00 ROCK ISLAND STA 60+00 TO STA 65+50 ROCK ISLAND STA 65+50 TO STA 71+00 ROCK ISLAND STA 71+00 TO STA 76+50 ROCK ISLAND STA 76+50 TO STA 82+00 ROCK ISLAND STA 82+00 TO STA 87+50 ROCK ISLAND STA 87+50 TO STA 93+00 ROCK ISLAND STA 93+00 TO STA 98+50 C117 ROCK ISLAND STA 98+50 TO STA 104+00 ROCK ISLAND STA 104+00 TO STA 109+50 ROCK ISLAND STA 109+50 TO STA 115+00 ROCK ISLAND STA 115+00 TO STA 117+50 PEDESTRIAN BRIDGE GENERAL INFORMATION PEDESTRIAN BRIDGE BORING LOG PEDESTRIAN BRIDGE HYDRAULICS PEDESTRIAN BRIDGE LAYOUT AND GRADING PLAN PEDESTRIAN BRIDGE SECTION PEDESTRIAN BRIDGE ABUTMENT DETAILS TYPICAL STANDARD DETAILS TYPICAL MISCELLANEOUS DETAILS TYPICAL HANDRAIL AND FENCE DETAILS SITE SPECIFIC DETAILS C511 SIGNAGE & STRIPING PLAN - PETERSON ROAD

STATE OF COLORADO DEPARTMENT OF TRANSPORTATION CITY OF COLORADO SPRINGS

Parks, Recreation and Cultural Services Department

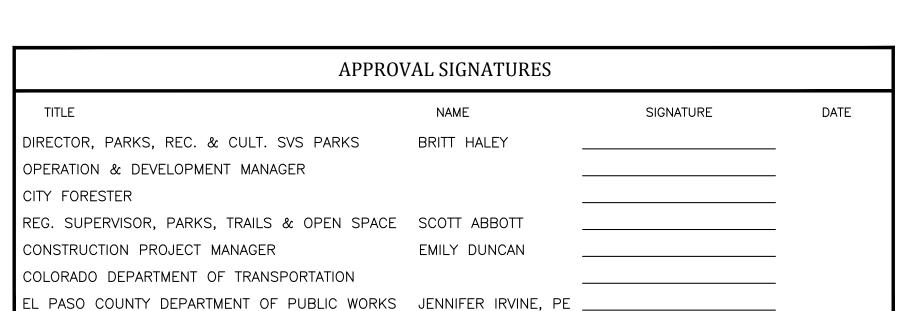
CAPITAL IMPROVEMENT PROJECT TRAIL IMPROVEMENT PROGRAM

COMBINED FEDERAL AID PROJECT No. TAP M240-162, SubAccT. No.20391

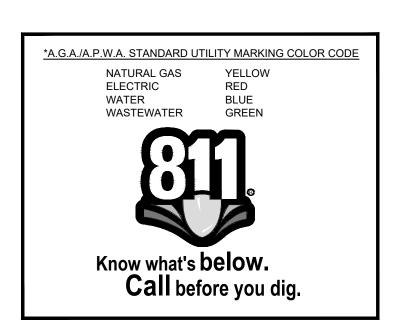
STREET IMPROVEMENTS

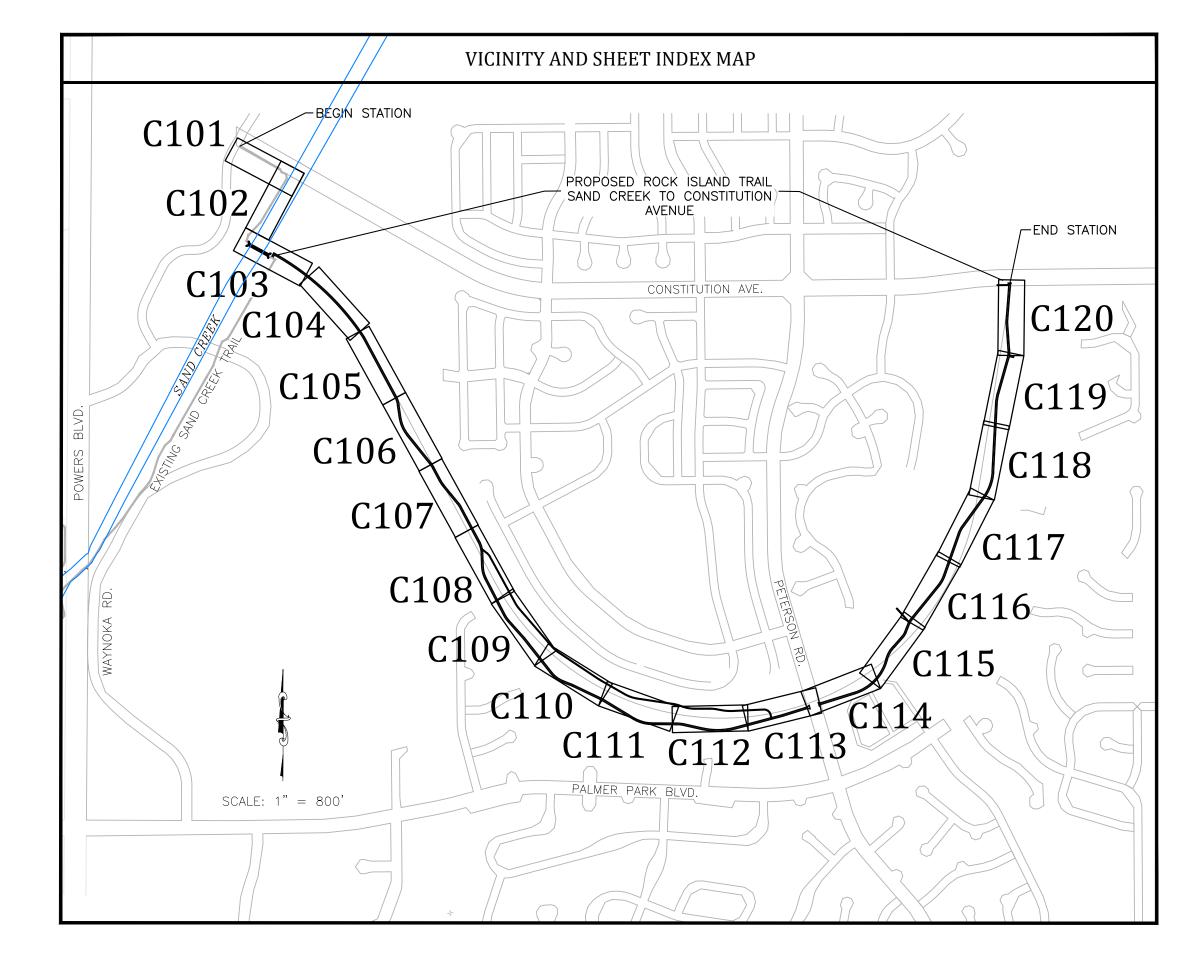
PLAN of the ROCK ISLAND MULTI-USE TRAIL SAND CREEK TO CONSTITUTION AVENUE COLORADO SPRINGS & EL PASO COUNTY, COLORADO

21 JULY 2024



TRAIL DATA DESIGN BEGIN STATION ROCK ISLAND TRAIL 10+00 END STATION ROCK ISLAND TRAIL 106+25 MAXIMUM GRADE 8.33% MINIMUM HORIZONTAL CURVE MINIMUM WIDTH 8' TYPICAL WIDTH CROSS-SLOPE LENGTH ROCK ISLAND TRAIL AREA OF DISTURBANCE XX ACRES CONSTRUCTION AREA 22.8 ACRES ANTICIPATED START 09/01/2024 ANTICIPATED CONSTRUCTION END 08/01/2024 10/01/2025 ANTICIPATED STABILIZATION RECEIVING WATER SAND CREEK SITE IS NATIVE GRASS AND WILL REMAIN NATIVE GRASS. BENCHMARK: FIMS MONUMENT SR10 IS A 2-INCH DIAMETER ALUMINUM CAP STAMPED "CSU FIMS CONTROL SR10" ON TOP OF THE NORTH CURB OF CONSTITUTION AVENUE AT THE NORTHWEST CORNER OF THE BRIDGE OVER SAND CREEK.





	STATEMENTS
Engineer's Statement:	
to the best of my knowledge and bel established by the County for Street	prepared under my direction and supervision and is correct lief. Said Plan has been prepared according to the criteria Improvement Plans. I accept responsibility for any liability ssions on my part in preparing this Plan.
Engineer of Record signature	Date
Owner's Statement:	
I, the owner/developer have read as Improvement Plan.	nd will comply with the requirements of this Street
Signature	Date
	y for general conformance with County Design Criteria.
elevations which shall be confirmed	te accuracy and adequacy of the design, dimensions, and/or lat the job site. The County through the approval of this y for completeness and/or accuracy of this document.
<u>=</u>	ements of the El Paso County Land Development Code, l and 2, and Engineering Criteria Manual as amended.
construction for a period of 2 years to construction has not started withing	2, these construction documents will be valid for from the date signed by the El Paso County Engineer. If g those 2 years, the Plans will need to be resubmitted for ew fees at the Planning and Community Development



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S

_	Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL	Kiowa Proj. No. 1602
\exists		No Revisions:	Sand Creek to Constitution Avenue COVER SHEET	TAP M240-162
		Revised:	Designer: RNW	SubAcct No. 20391
			Detailer: RNW	
		Void:	Date: 08/06/2024	Sheet Number C000

	SUMMARY OF APPROXIMATE QUANTITIES		
CONTRACT ITEM NO.	CONTRACT ITEM	PROJECT T	OTALS
Item No.	Description	Quantity	Units
201	Clearing and grubbing	1	EA
202.1	Remove and dispose concrete curb and gutter	80	LF
202.2	Remove and dispose concrete sidewalk	80	LF
202.3	Remove concrete bridge abutment	1	EA
202.4	Remove and dispose trees	12	EA
203.1	Excavation- cut to fill on site	2,000	CY
203.2	Scarify, rake and revegetate existing trails, 5-foot avg width	9,337	LF
207	Topsoil	950	CY
208.1	Storm Drain/Inlet protection	2	EA
208.2	Silt Fencing	11,500	LF
208.3	Concrete wash out area	2	EA
208.4	Vehicle tracking control	3	EA
208.5	Stabilized staging area	1	EA
212.1	Permanent seeding	3	AC
212.2	Mulching	3 3	AC
212.3	Sanitary facility	2	EA
304	Aggregate base course, Class 6	510	CY
406	Hot Mix Asphalt Pavement, 6-inch thick	91	SY
506	18-inch Type L soil riprap	10	CY
514	Smooth rail fence	104	LF
604	CDoT std. Type C inlet	2	EA
608.1	Concrete trail section A	9,449	LF
608.2	Breeze trail section, 4-feet wide	2,695	LF
608.3	EPC std. pedestrian ramps	3	EA
608.4	EPC Type A curb and gutter	32	LF
608.5	EPC Type B median curb and gutter	172	LF
608.6	EPC Std sidewalk, 4-inch thick	1,900	SF
608.7	Patterned and colored median concrete, 4-inch thick	504	SF
608.8	Concrete refuge island, 6-inch thick	144	SF
617.1	18-inch HDPE	80	LF
617.2	18-inch HDPE flared end section	2	EA
625	Construction staking	1	EA
627	Epoxy coated pavement markings	240	SF
630.1	Construction zone traffic control signs, 30" x 30"	4	EA
630.2	Trail signage, panel size 12" x 18"	6	EA
630.3	Traffic signage 12" x 18"		EA
630.4	Traffic signage 24" x 30"	2 2 2 2	EA
630.5	Traffic signage 24" x 24"	$\frac{-}{2}$	EA
630.6	Traffic signage 30" x 30"	$\frac{-}{2}$	EA
630.7	Traffic signage 12" x 36"	$\frac{\overline{2}}{2}$	EA
		2 3	EA
			SF
712.1 712.2	Removable locking steel posts MSE retaining wall	3 390	

STANDARD GRADING AND EROSION CONTROL PLAN NOTES

- 1. No clearing, grading, excavation, or other land disturbing activities shall be allowed (except for work directly related to the installation of Initial Control Measures) until a City GEC Permit has been issued.
- 2. All land disturbing activities must be performed in accordance with and the approved GEC Plan
- 3. Initial Control Measures shall be installed and inspected prior to any land disturbance activities taking place. An initial site inspection will not be scheduled until a City GEC Permit has been "conditionally approved." Call City Stormwater Inspections, 385-5980, at least 48 hours prior to
- construction to schedule an initial inspection and obtain full permit approval.

 4. Individuals shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS) and the "Clean Water Act" (33 USC 1344), including regulations promulgated and certifications or permits issued, in addition to the requirements included in the City's MS4 Permit, Stormwater Construction Manual. In the event of conflicts between these requirements and water quality control laws, rules, or regulations of other Federal or State agencies, the more restrictive laws, rules, or regulations shall apply.
- 5. Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters.
- 6. All Construction Control Measures shall be maintained until permanent stabilization measures are implemented. Temporary Construction Control Measures must be removed prior to permit
- 7. Concrete wash water shall not be discharged to or allowed to runoff to State Waters or any surface or subsurface storm drainage system or facilities.
- 8. Building, construction, excavation, or other waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. Construction Control Measures may be required by the GEC Inspector if deemed necessary based on specific conditions and circumstances (e.g., estimated time of exposure, season of the year, etc.).
- 9. All wastes composed of building materials must be removed from the construction site for disposal in accordance with local and state regulatory requirements. No building material wastes or unused building materials shall be buried, dumped, or discharged at the site.
- 10. The permittee shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, and sand that may accumulate in the storm sewer or other drainage conveyance system as a result of construction activities.
- 11. The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels. Materials shall not be stored in a location where they may be carried by stormwater runoff into the storm sewer system at any time.
- 12. Spill prevention and containment measures shall be used at all storage, equipment fueling, and equipment servicing areas so as to contain all spills and prevent any spilled material from entering the MS4, including any surface or subsurface storm drainage system or facility. Bulk storage structures for petroleum products and other chemicals shall have secondary containment or equivalent adequate protection. All spills shall be cleaned up immediately after discovery, or contained until appropriate cleanup methods can be employed. Manufacturer's recommended methods for spill cleanup shall be followed, along with proper disposal methods.
- 13. Sediment (mud and dirt) transported onto a public road, regardless of the size of the site, shall be cleaned as soon as possible after discovery.
- 14. No chemicals are to be added to the discharge unless permission for the use of a specific chemical is granted by the State. In granting the use of such chemicals, special conditions and monitoring may be required.
- 15. Control Measures for all slopes, channels, ditches, or any disturbed land area shall be completed within fourteen (14) calendar days after final grading or final land disturbance has been completed. Disturbed areas which are not at final grade but will remain dormant for longer than fourteen (14) days shall be roughened, mulched, tackified, or stabilized with tarps within fourteen (14) days after interim grading. An area that is going to remain in an interim state for more than sixty (60) days shall also be seeded, unless an alternative stabilization measure is accepted at the inspector's discretion. All temporary Construction Control Measures shall be maintained until final stabilization is achieved.
- 16. The GEC Plan will be subject to re-review and re-acceptance by the Stormwater Enterprise should any of the following occur: grading does not commence within twelve (12) months of the City's acceptance of the plan, the construction site is idle for twelve (12) consecutive months, a change in property ownership occurs, the planned development changes, or any other major modifications are proposed as defined in the Stormwater Construction Manual.
- 17. It is not permissible for any person to modify the grade of the earth on any utility easement or utility right-of-way without written approval from the utility owner. City acceptance of the GEC Plan and CSWMP does not satisfy this requirement. The plan shall not increase or divert water towards utility facilities. Any changes to existing utility facilities to accommodate the plan must be approved by the affected utility owner prior to implementing the plan. The cost to relocate or protect existing utilities or to provide interim access shall be at the applicant's expense.
- 18. Applicant represents and warrants that they have the legal authority to grade and/or construct improvements on adjacent property. The City has not reviewed the developer's authority to modify adjacent property. An approved GEC Permit does not provide approval for the Applicant to perform work on adjacent property.



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For and on Behalf of

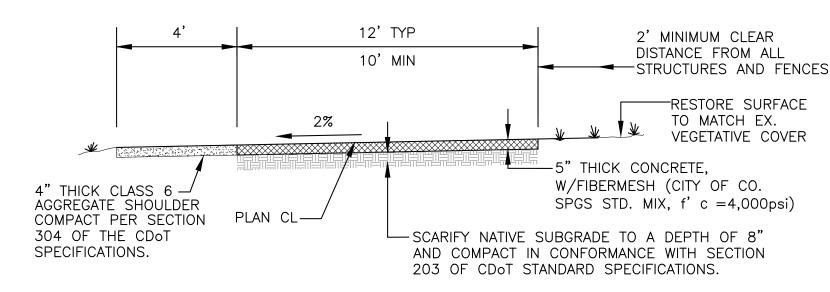
Kiowa Engineering Corporation



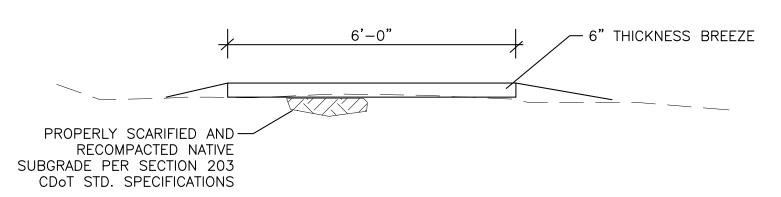
Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL sand	Kiowa Proj. No. 16028
	No Revisions:	Creek to Constitution Avenue SUMMARY OF QUANTITIES	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
		Detailer: RNW	
	Void:	Date: 08/06/2024	Sheet Number C001

GENERAL NOTES

- 1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF COLORADO DEPARTMENT OF TRANSPORTATION (CDoT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SUPPLEMENTED WITH THE CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL NOTIFY THE OWNER (CITY) AND ENGINEER OF ANY PROBLEM IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
- 3. THE CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES IN THE GENERAL AREA OF CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS AT NO COST TO THE PROJECT.
- 4. UTILITY LINES AS SHOWN ON THESE DRAWINGS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CALL 811 FOR UTILITY LOCATIONS AT LEAST TWO WORKING DAYS PRIOR TO ANY DIGGING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT THEM FROM DAMAGE DURING CONSTRUCTION.
- 5. SURVEYING FOR THIS PROJECT SHALL BE CONDUCTED IN ACCORDANCE WITH CDoT STANDARDS.
- 6. BENCHMARK: FIMS MONUMENT SR10 IS A 2-INCH DIAMETER ALUMINUM CAP STAMPED "CSU FIMS CONTROL SR10" ON TOP OF THE NORTH CURB OF CONSTITUTION AVENUE AT THE NORTHWEST CORNER OF THE BRIDGE OVER SAND CREEK.
- 7. ALL EXISTING MANHOLES TO BE MARKED WITH T-POSTS AND CAUTION TAPE PRIOR TO COMMENCING WITH THE CONSTRUCTION.
- 8. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. WATER WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE SUBSIDIARY TO THE EXCAVATION ITEM.
- 9. ALL REMOVED ASPHALT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE DISPOSED OF OUTSIDE PROJECT LIMITS.
- 10. THE SOIL TO BE PLACED AS TOPSOIL MATERIAL SHALL BE FREE OF REFUSE, STUMPS, ROOTS, ROCKS, BRUSH, WEEDS, HARD CLODS, TOXIC SUBSTANCES OR OTHER MATERIAL WHICH WOULD BE DETRIMENTAL TO ITS USE ON THE PROJECT. IT SHALL HAVE A MINIMUM P.I. OF 5 BUT SHALL NOT BE SUCH HEAVY CLAY AS TO PRECLUDE PLACEMENT WITH A SHOULDER MACHINE.
- 11. SALVAGEABLE MATERIAL: MATERIAL THAT CAN BE SAVED OR SALVAGED. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT, ALL SALVABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- 12. TOPOGRAPHIC DATA INDICATED ON THESE DRAWINGS WAS COMPILED FROM FIELD SURVEYS. CONTRACTOR MUST VERIFY EXTENT OF WORK WITHIN THESE AREAS. DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURES, PIPELINES, AND UTILITIES ARE APPROXIMATE. WHERE SUCH DIMENSIONS OR LOCATIONS DETERMINE THE LIMITS OF THE WORK, SUCH DIMENSIONS OR LOCATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
- 13. THE LOCATIONS OF EXISTING STRUCTURES, PIPELINES, UTILITIES, ETC., SHOWN ON THE DRAWINGS HAVE BEEN APPROXIMATED. THERE MAY BE OTHER STRUCTURES, PIPELINES, UTILITIES, ETC., NOT SHOWN ON THE DRAWINGS WHICH PRESENTLY EXIST IN THE AREA OF CONSTRUCTION. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL IMPACTED EXISTING STRUCTURES, PIPELINES, UTILITIES, ETC., IN THE PROJECT SITE.
- 14. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL MONUMENTS, BENCHMARKS, PROPERTY MARKERS, REFERENCE POINTS, AND STAKES. IN CASE OF HIS DESTRUCTION OF THESE, THE CONTRACTOR WILL BE RESPONSIBLE FOR RESETTING SAME, AT NO COST TO THE OWNER, AND SHALL BE RESPONSIBLE FOR ANY LOSS OF TIME THAT MAY BE CAUSED.
- 15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE UTILITIES CONFLICT WITH THE WORK IN CONFORMANCE WITH THE SPECIFICATIONS. WHERE FIELD VERIFICATION IS NOTED NOTED ON THE PLANS, THIS SHALL REQUIRE THE CONTRACTOR TO DETERMINE THE LOCATION OF THE FACILITY IN QUESTION PRIOR TO CONSTRUCTION. A DETERMINATION SHALL BE MADE BY THE CONTRACTOR IF THE CURRENT DESIGN WILL CONFLICT WITH THE EXISTING FACILITY AND NOTIFY THE ENGINEER IN WRITING.
- 16. ALL EXISTING AREAS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED IN CONFORMANCE WITH THE SPECIFICATIONS AT NO ADDITIONAL COST TO THE PROJECT. ALL EXISTING ROADWAYS AND SIDEWALKS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR RECONSTRUCTED IN CONFORMANCE WITH THE SPECIFICATIONS.
- 17. SIGNAGE SHALL FOLLOW THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION AND THE CITY OF COLORADO SPRINGS TRAFFIC ENGINEERING SIGNAGE & PAVEMENT MARKING STANDARDS. CONTRACTOR SHALL SUBMIT TO THE COUNTY A TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WITH THE WORK.
- 18. CONTRACTOR SHALL ESTABLISH TRAIL CORRIDOR WITH STAKES. THE OWNER WILL THEN MARK ALL TREES TO BE SAVED IN A WALKTHROUGH OF THE TRAIL CORRIDOR WITH THE CONTRACTOR.
- 19. ALL DISCHARGES TO DRAINAGE COURSES AND STORM SEWER SYSTEMS MUST COMPLY WITH THE APPLICABLE PROVISIONS OF THE COLORADO WATER QUALITY CONTROL ACT AND THE COLORADO DISCHARGE PERMIT REGULATIONS, AND ARE SUBJECT TO INSPECTION BY EL PASO COUNTY AND CDPHE. EL PASO HAS A MS-4 PERMIT. CONTRACTOR SHALL DEVISE AND IMPLEMENT A PERMANENT PLAN FOR PERIODIC REMOVAL AND DISPOSAL OF SEDIMENT FROM EROSION CONTROL FACILITIES AND FOR MAINTENANCE OF EROSION CONTROL FACILITIES.
- 20. THE CONTRACTOR SHALL OBTAIN CONSTRUCTION STORMWATER DISCHARGE PERMIT FROM CDPHE.

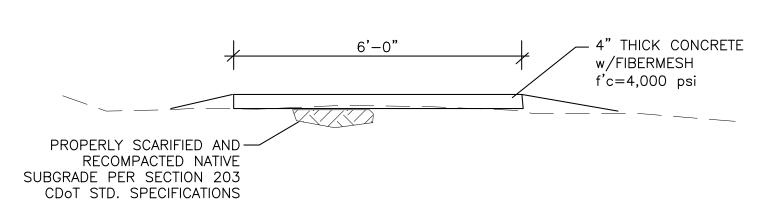


TRAIL SECTION A NOT TO SCALE



TRAIL SECTION B - 6' BREEZE TRAIL

SCALE: 1"=2'



TRAIL SECTION C
SCALE: 1"=2'

KNOWN UTILITIES WITHIN PROJECT LIMITS

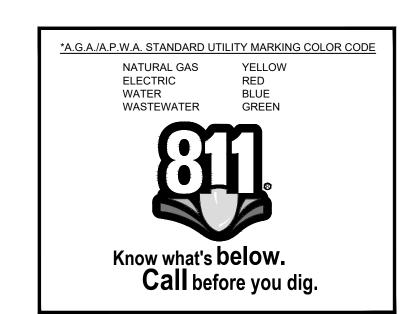
CONTRACTOR MUST VERIFY ALL UTILITIES PRIOR TO EXCAVATION

- 1. CITY OF COLORADO SPRINGS DEPT. OF UTILITIES: ELECTRIC & GAS DIVISIONS
- 2. CENTURY LINK
- 3. LEVEL 3 COMMUNICATIONS
- 4. CIMMARON WATER AND SANITATION DISTRICT

PRE-EXCAVATION CHECKLIST

- GAS AND OTHER UTILITY LINES OF RECORD SHOWN ON PLANS.

 UTILITIES CENTRAL LOCATING CALLED AT LEAST 2 BUSINESS DAYS AHEAD. (811)
- UTILITIES LOCATED AND MARKED.
- ☐ EMPLOYEES BRIEFED ON MARKING AND COLOR CODES.*
- EMPLOYEES TRAINED ON EXCAVATION AND SAFETY PROCEDURES FOR NATURAL GAS LINES.
- WHEN EXCAVATION APPROACHES GAS LINES, EMPLOYEES EXPOSE LINES BY CAREFUL PROBING AND HAND DIGGING.



LEGEND

XX	BOLLARD FENCE GUARDRAIL
- 0	SIGN ELECTRIC POWER POLE
—— E ——	ELECTRIC LINE ELECTRIC VAULT
——— G ———— GV0	GAS MAIN GAS VENT
——— SS ———	SANITARY SEWER MAIN SANITARY SEWER MANHOLE
— т —	TELEPHONE MAIN TELEPHONE MANHOLE
	TELEPHONE RISER WATER MAIN
₩	WATER VALVE



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For and on Behalf of

Kiowa Engineering Corporation

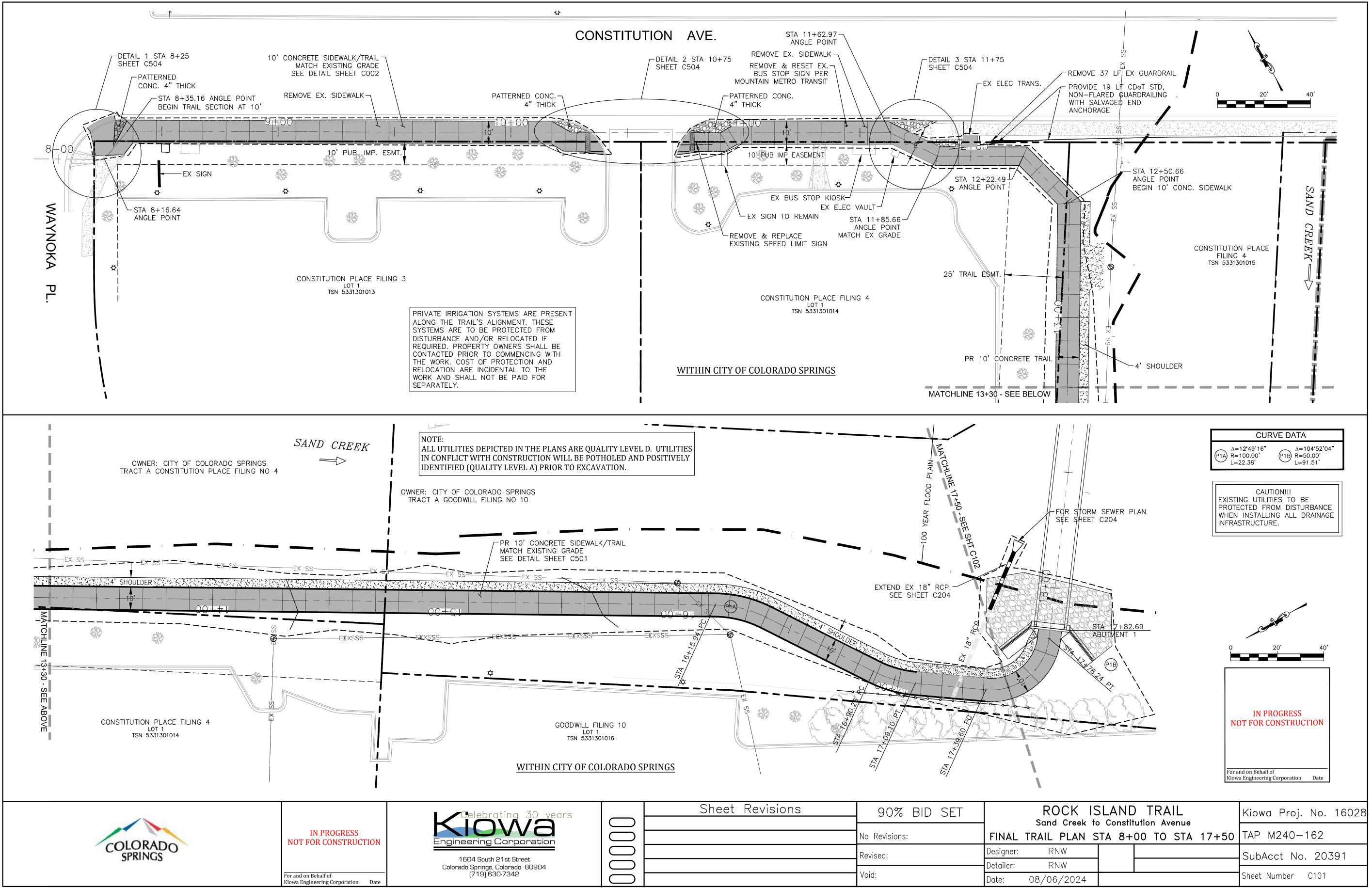
Engineering Corporation

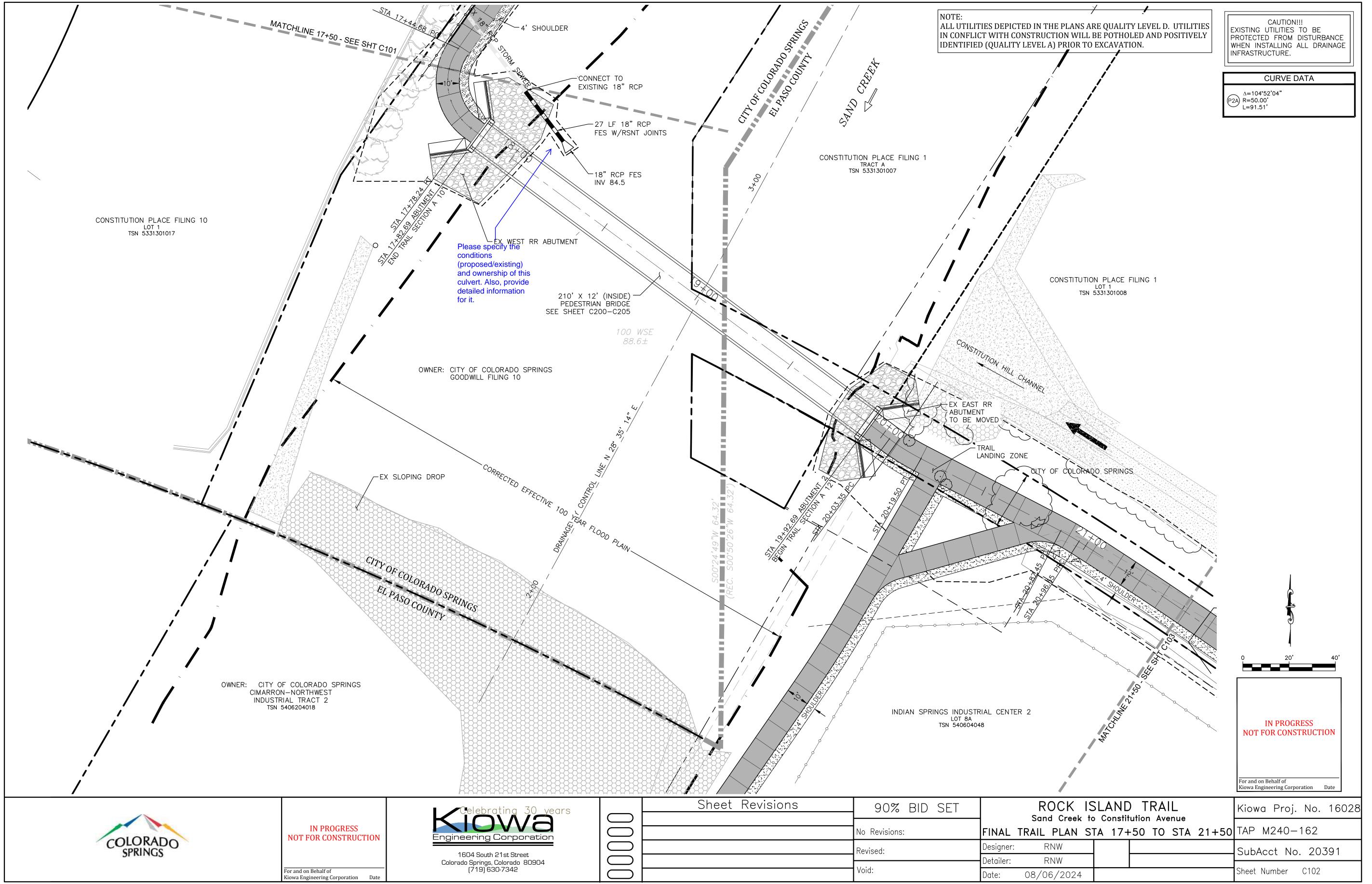
1604 South 21st Street
Colorado Springs, Colorado 80904

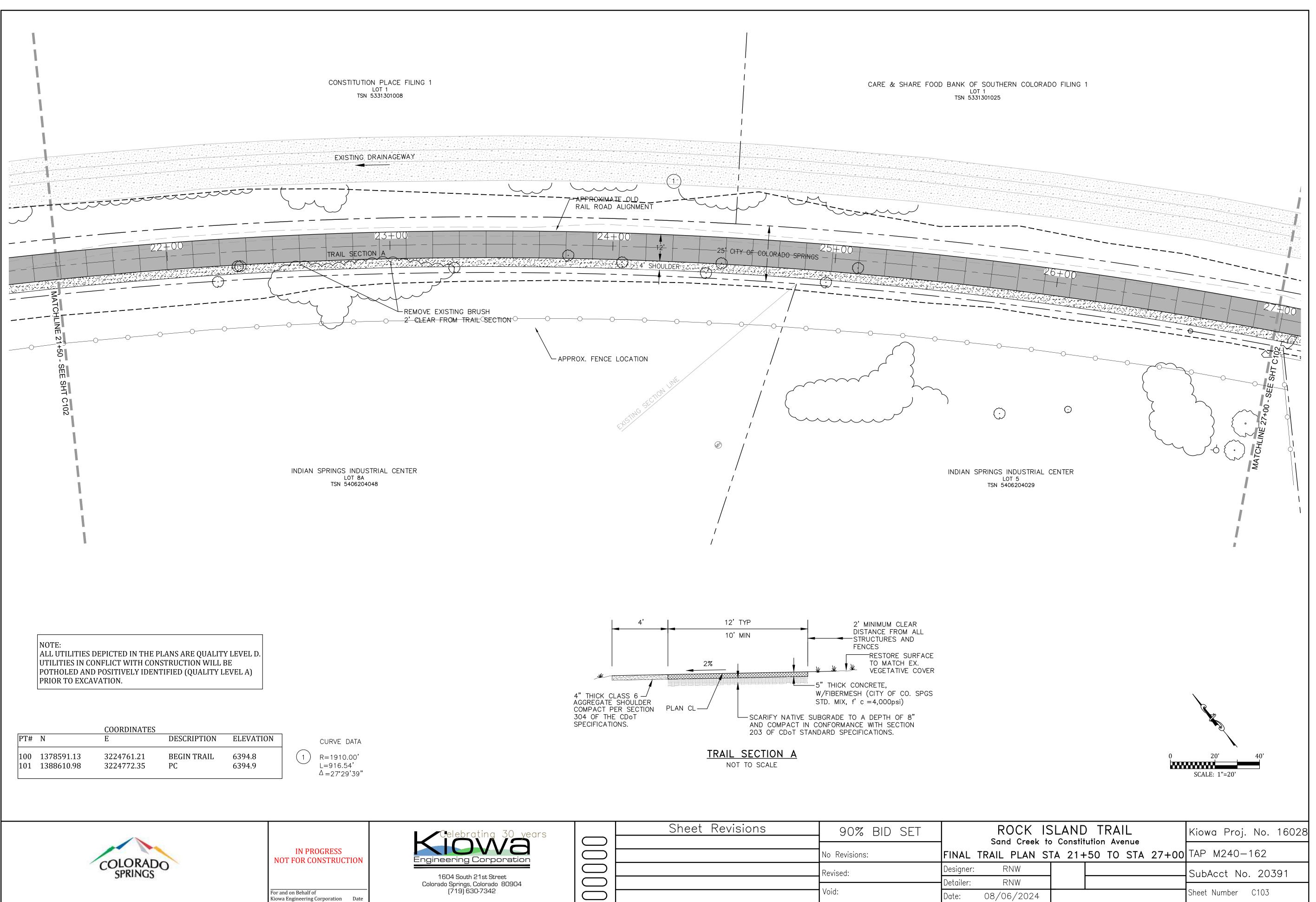
(719) 630-7342

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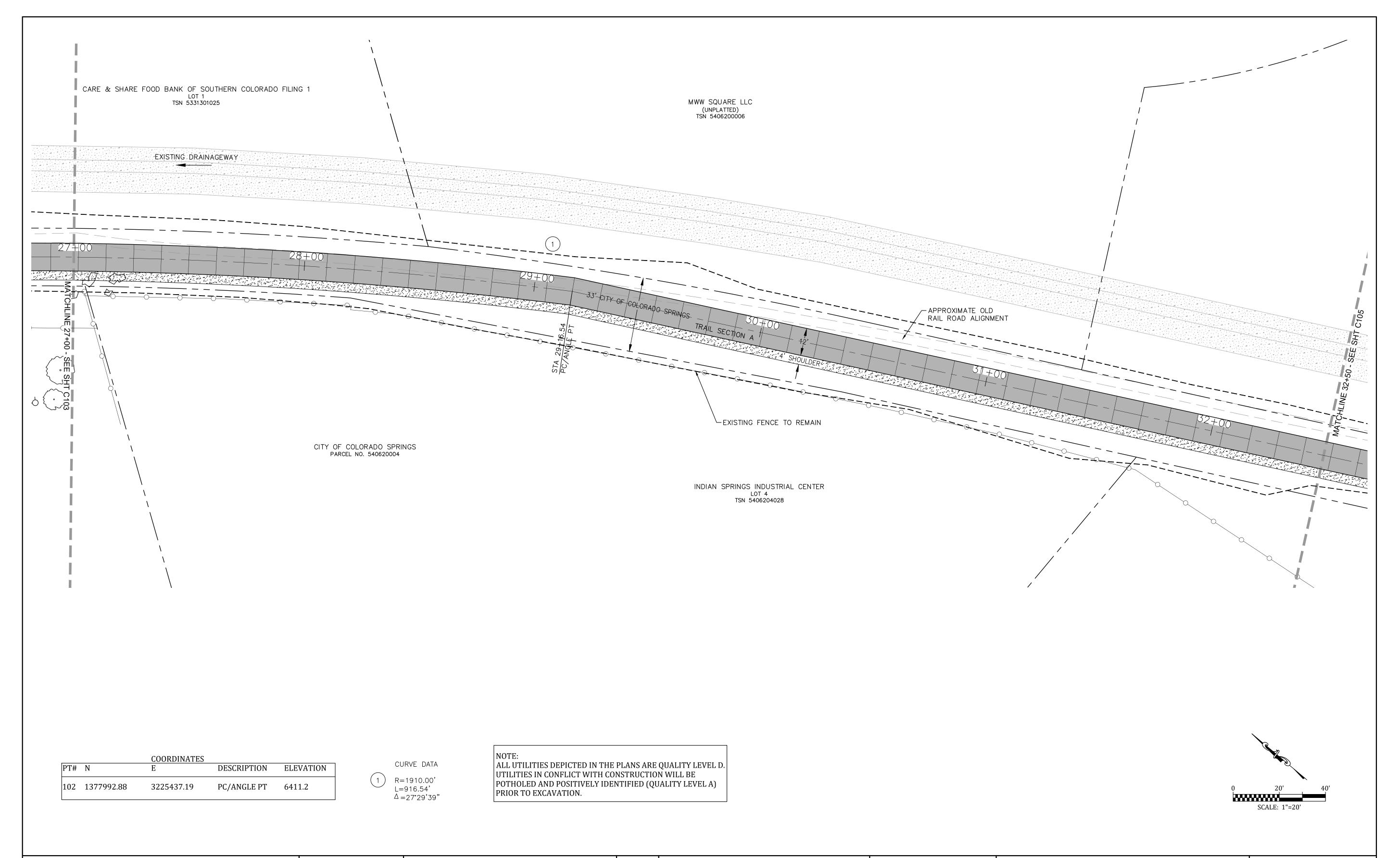
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		Revised:	Designer: RNW	SubAcct No. 20391
		Void:	Detailer: RNW	Chart Number C000
		Void.	Date: 08/06/2024	Sheet Number C002







16028-C103-C120.dwg/Aug 15, 2024



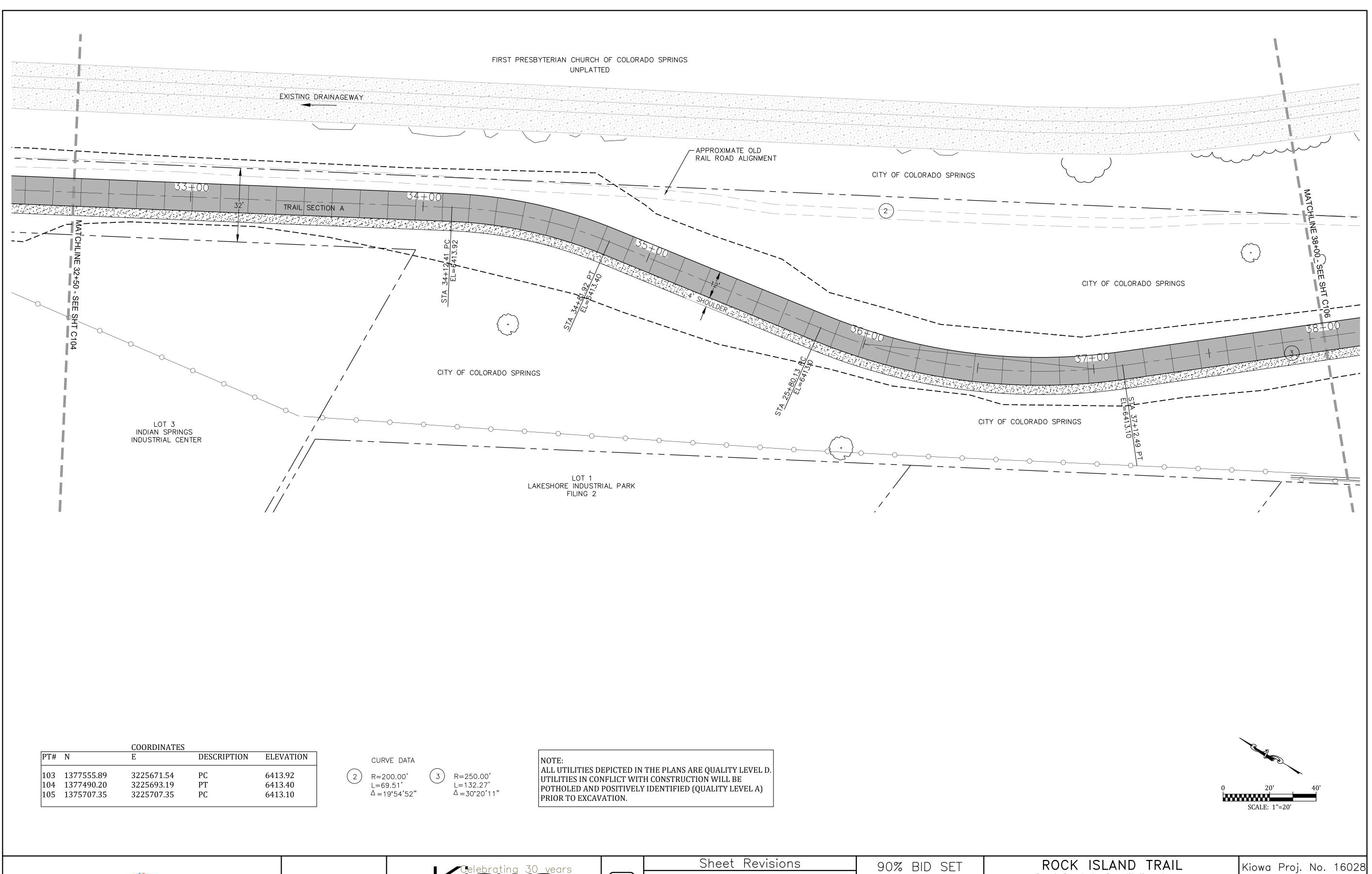


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For and on Behalf of Kiowa Engineering Corporation Date Engineering Corporation

1604 South 21st Street
Colorado Springs, Colorado 80904
(719) 630-7342

 Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL	Kiowa Proj. No. 16028
		Sand Creek to Constitution Avenue	,
	No Revisions:	FINAL TRAIL PLAN STA 27+00 TO STA 32+50	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
	.,	Detailer: RNW	
	Void:	Date: 08/06/2024	Sheet Number C104





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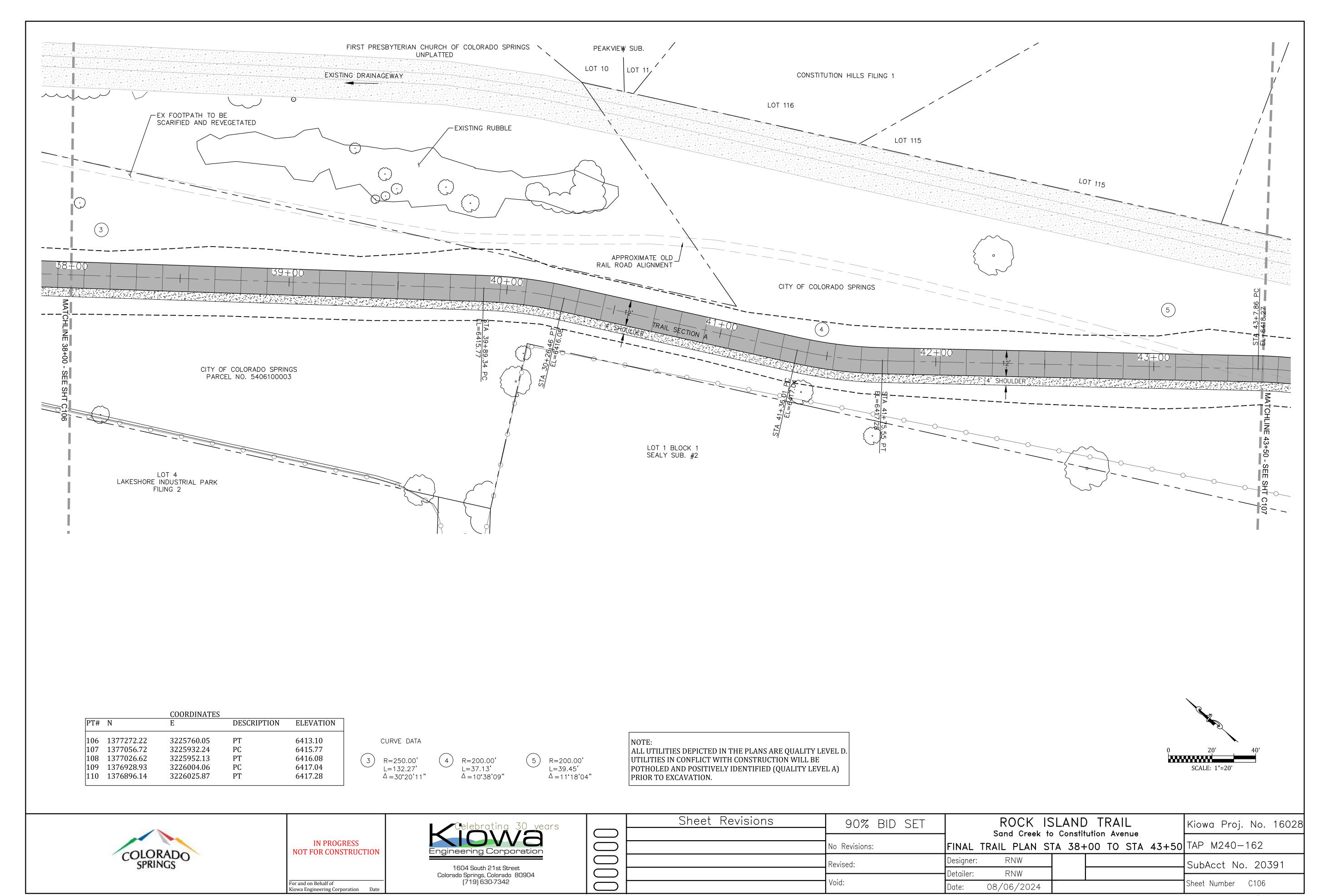
For and on Behalf of Kiowa Engineering Corporation Date

Engineering Corporation 1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342

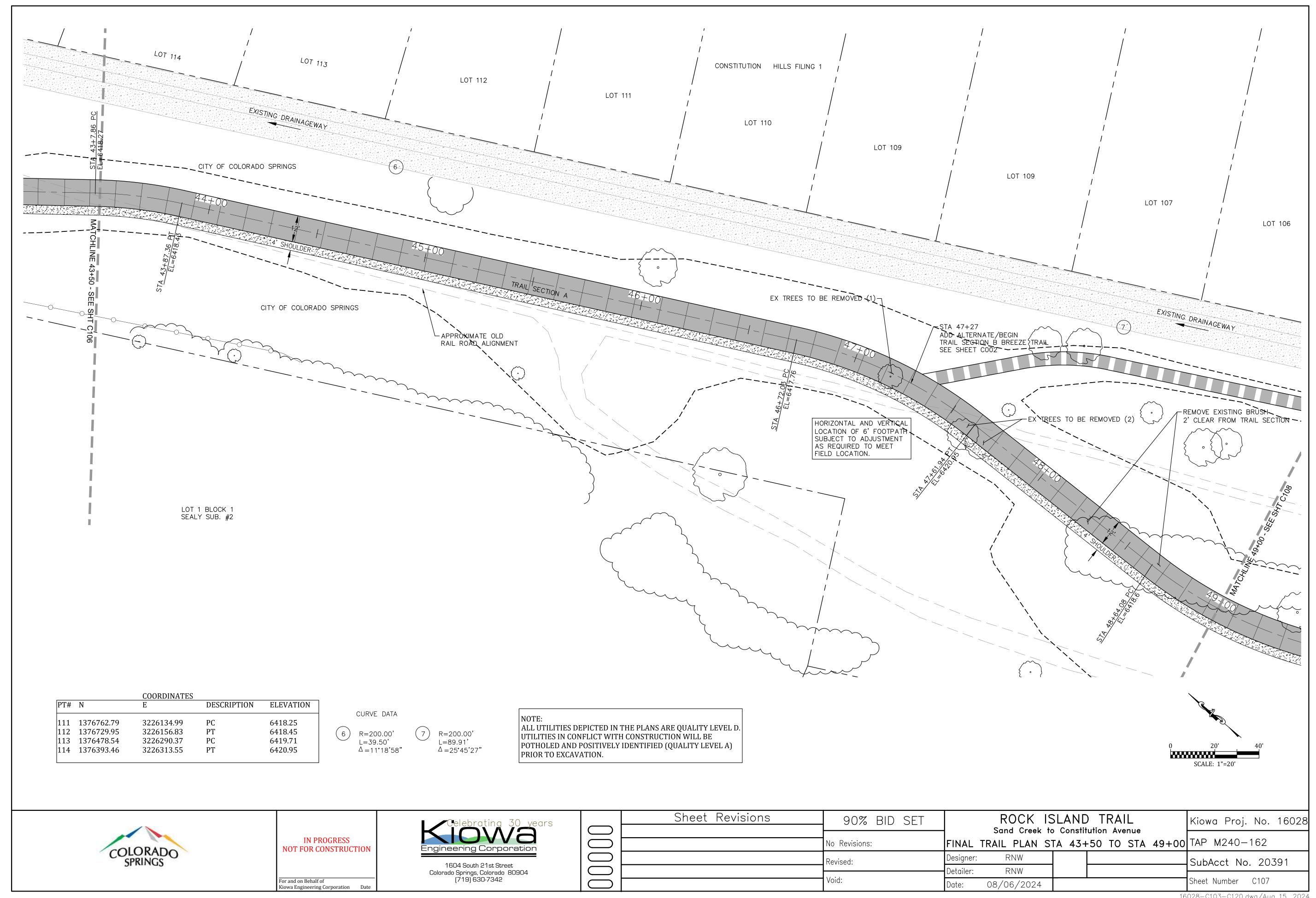
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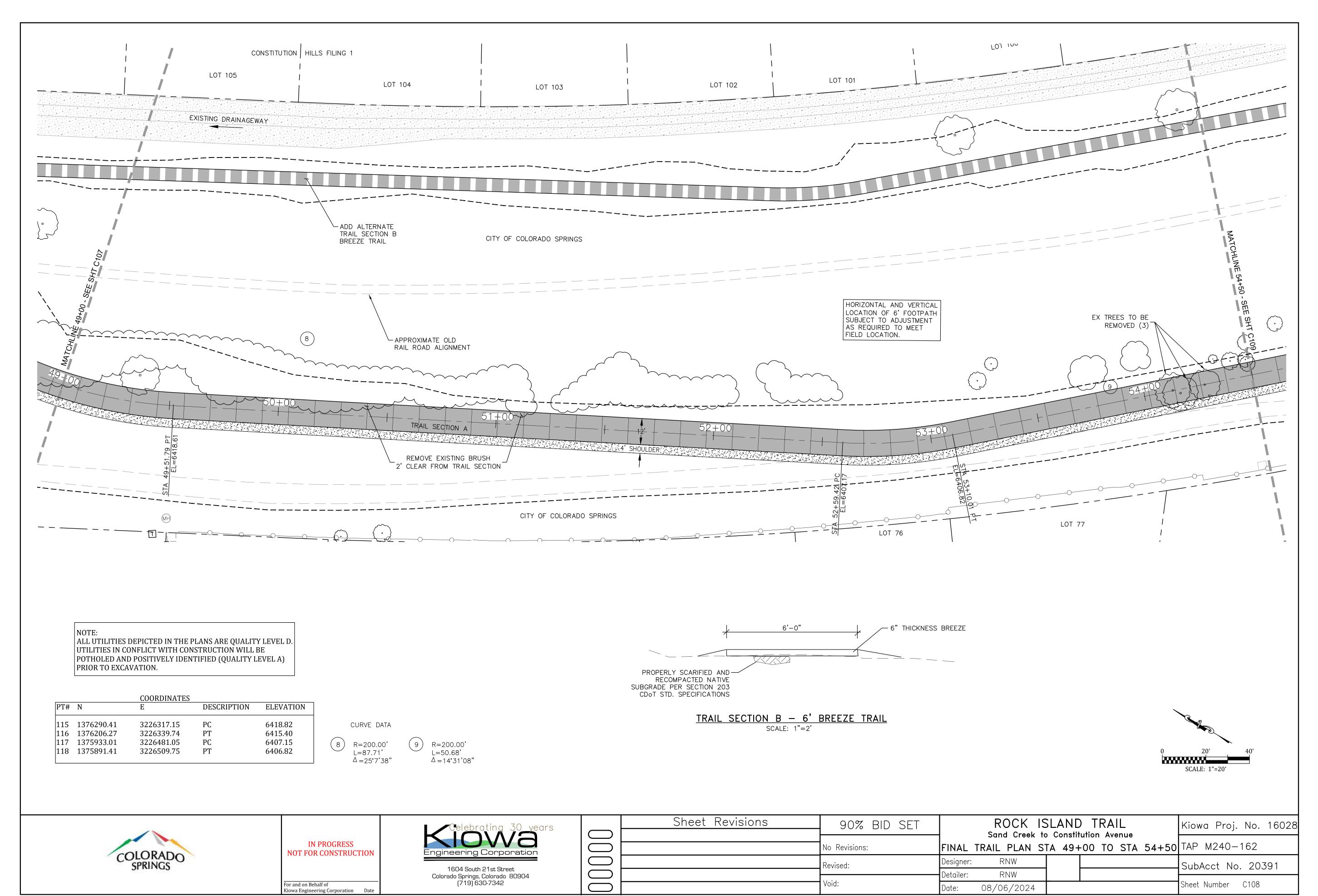
FINAL	TRAIL PLAN	STA 3	2+50	ТО	STA	38+00	TAP M240-162
Designer:	RNW						SubAcct No. 20391
Detailer:	RNW						
Date:	08/06/2024						Sheet Number C105
						16	028_C103_C120 dwg /Aug 15 202/

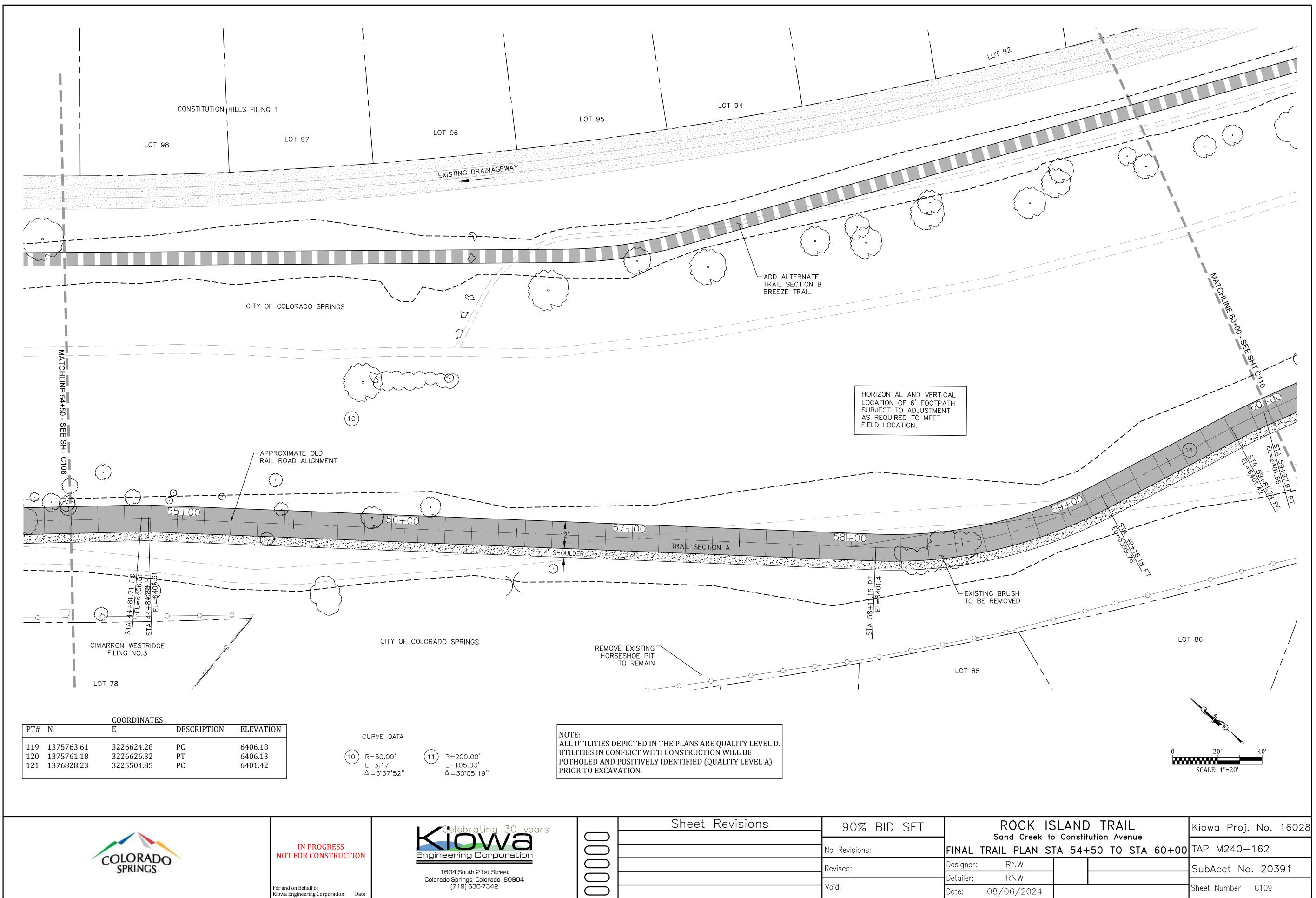
Sand Creek to Constitution Avenue

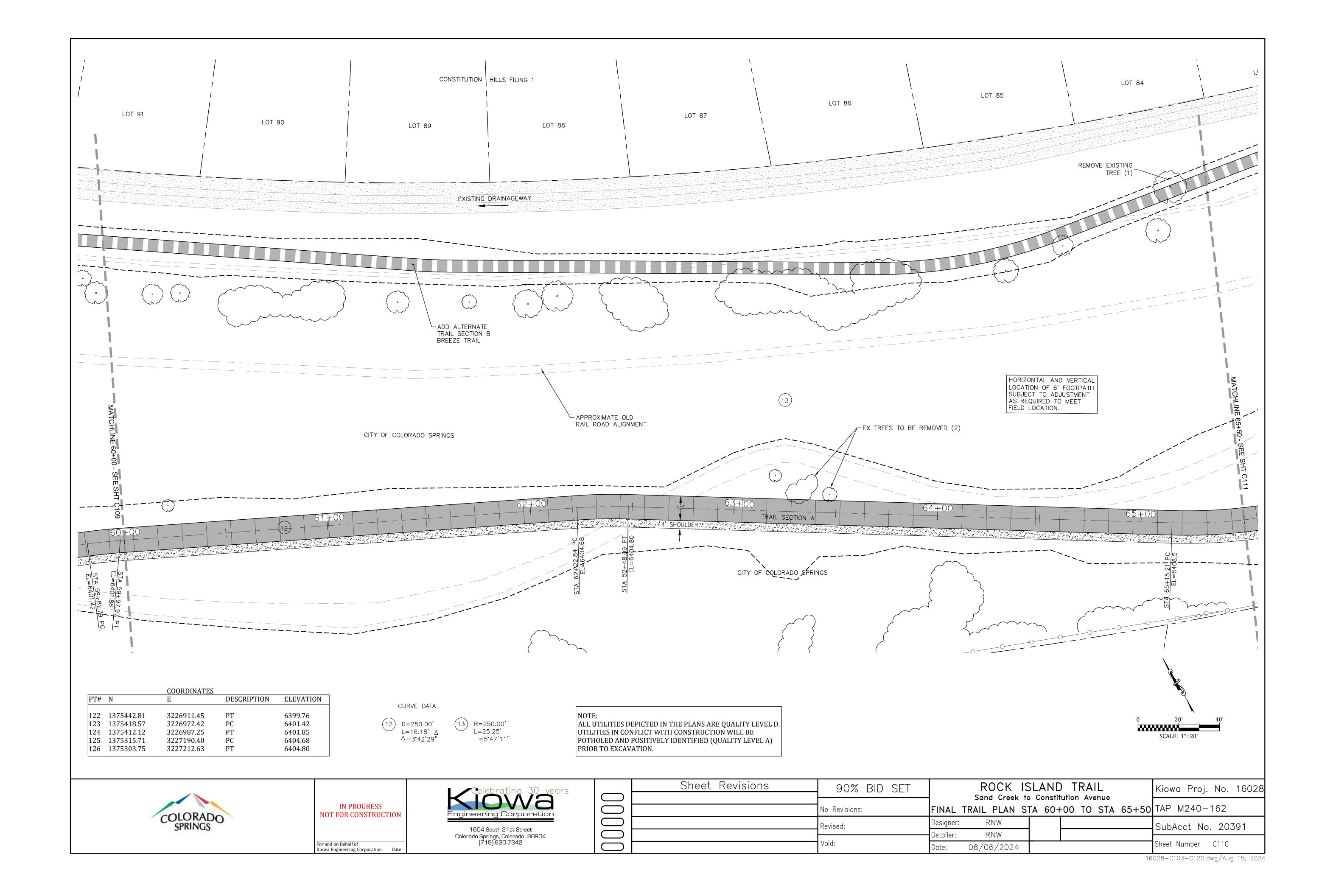


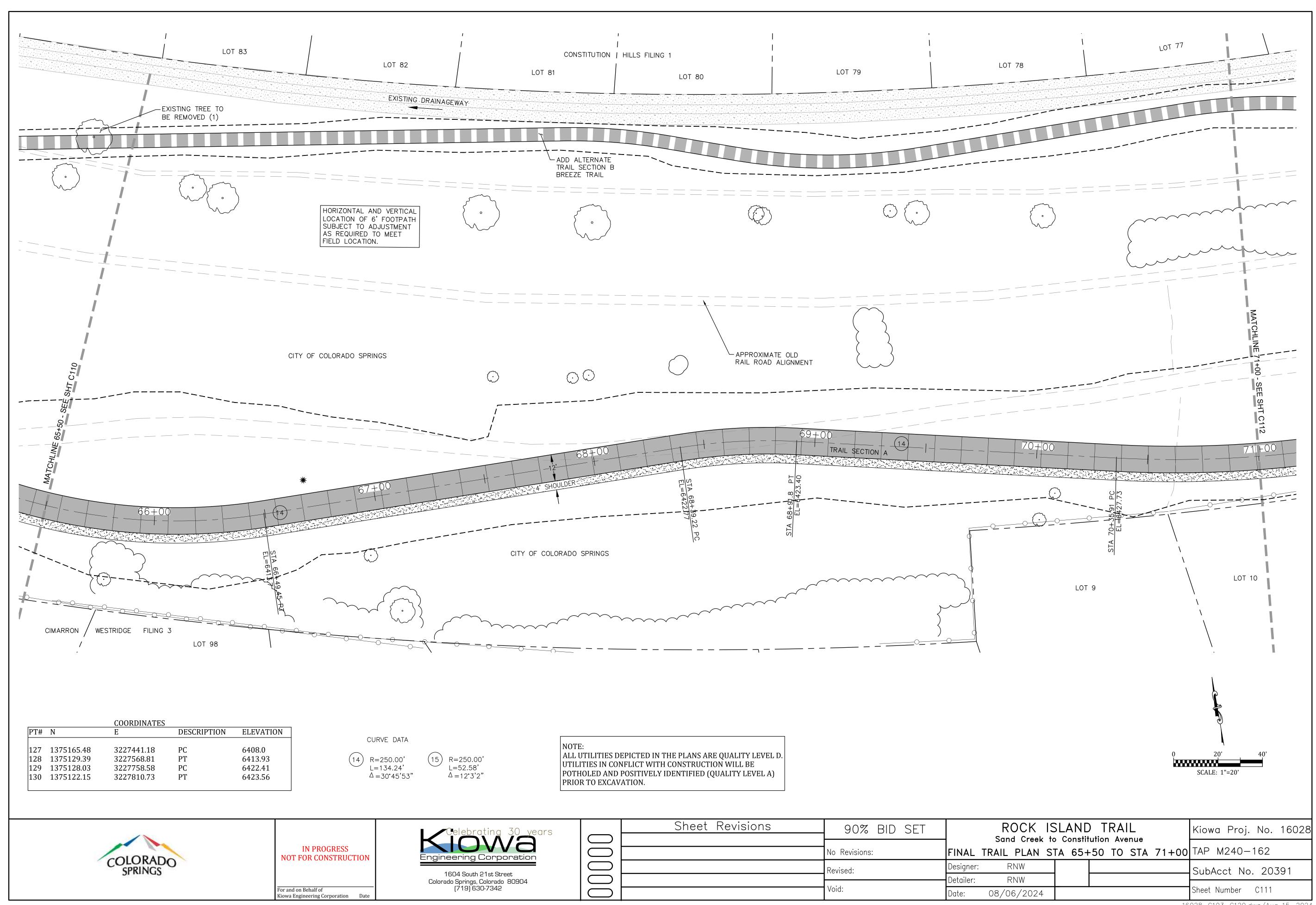
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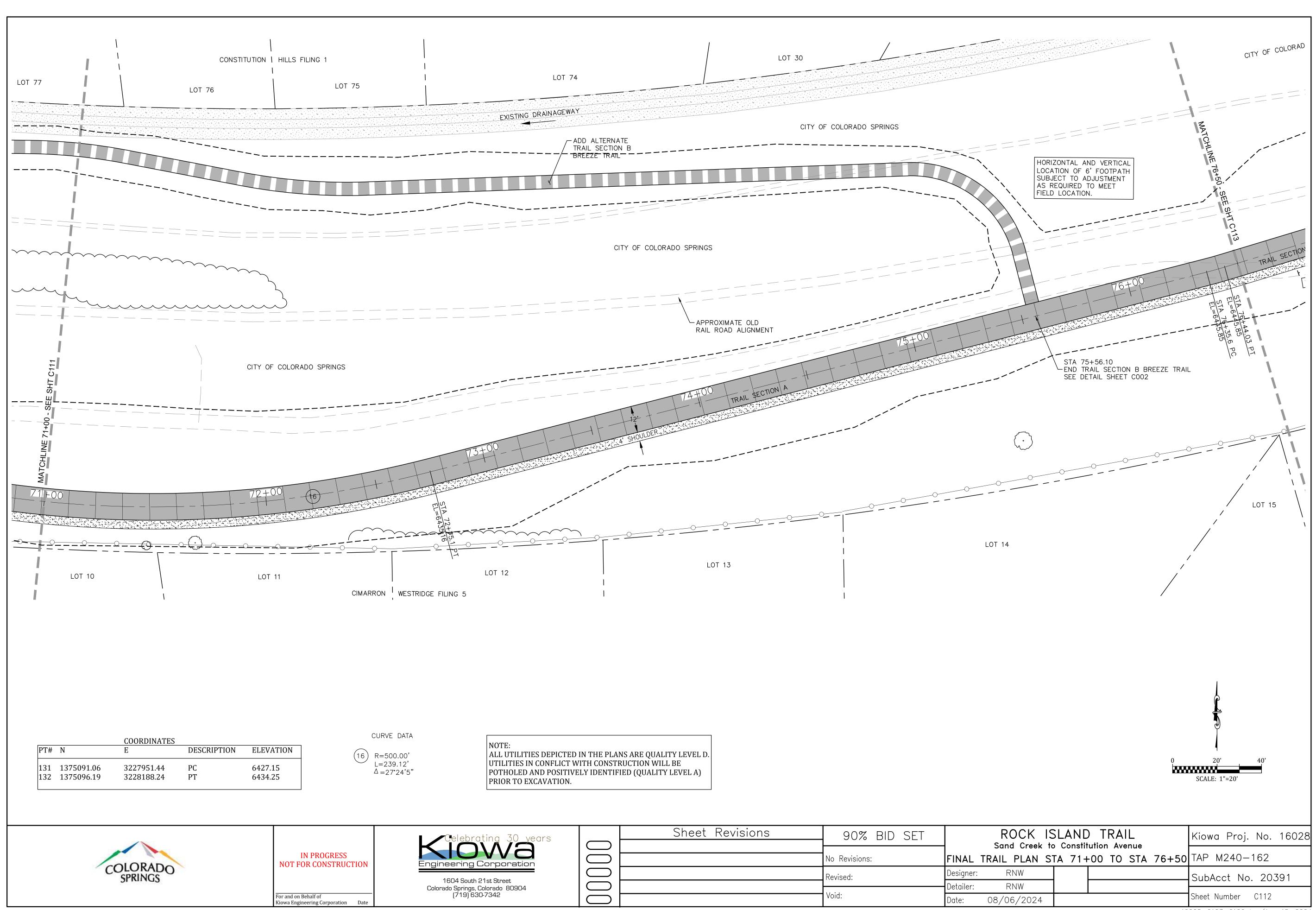


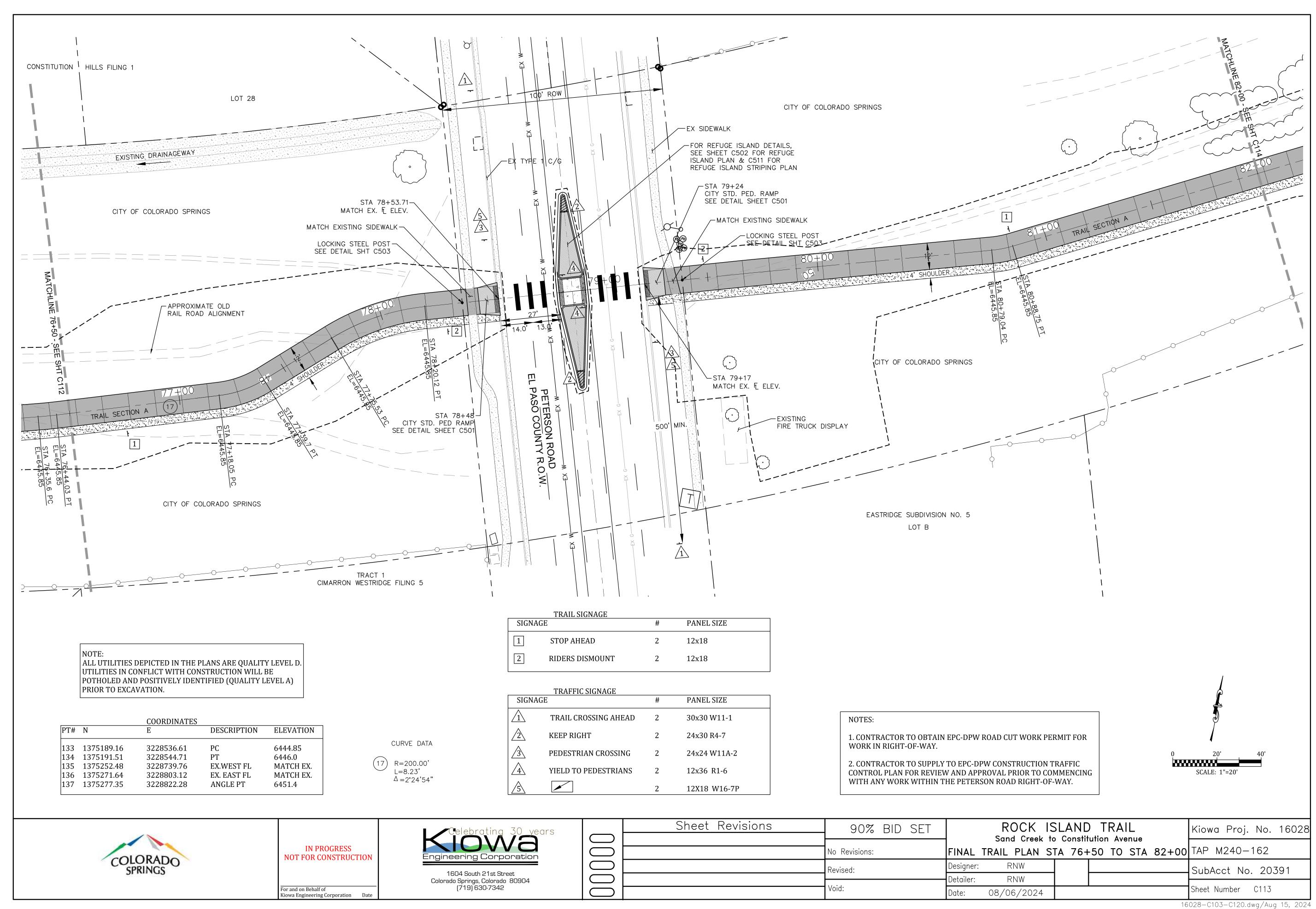


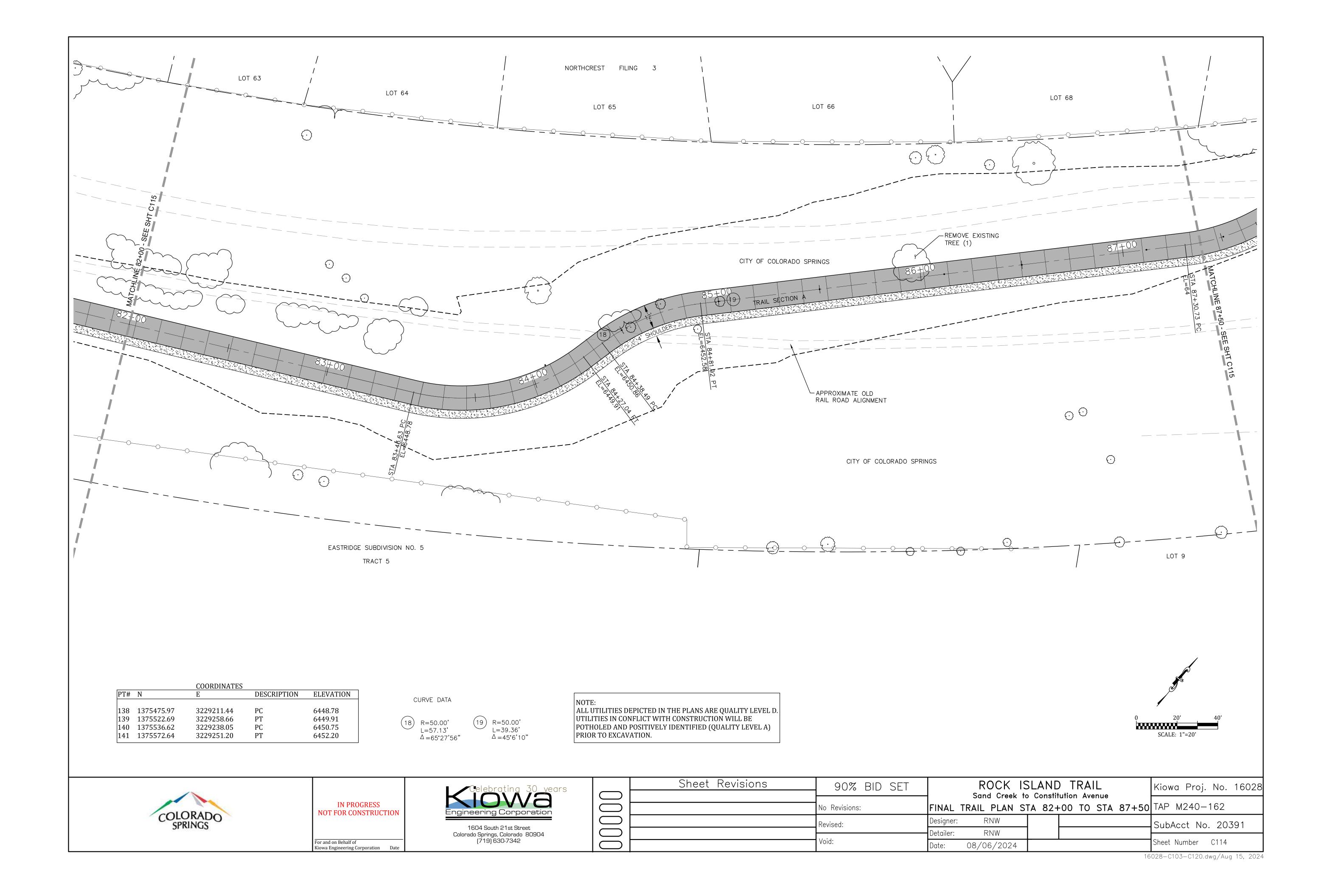


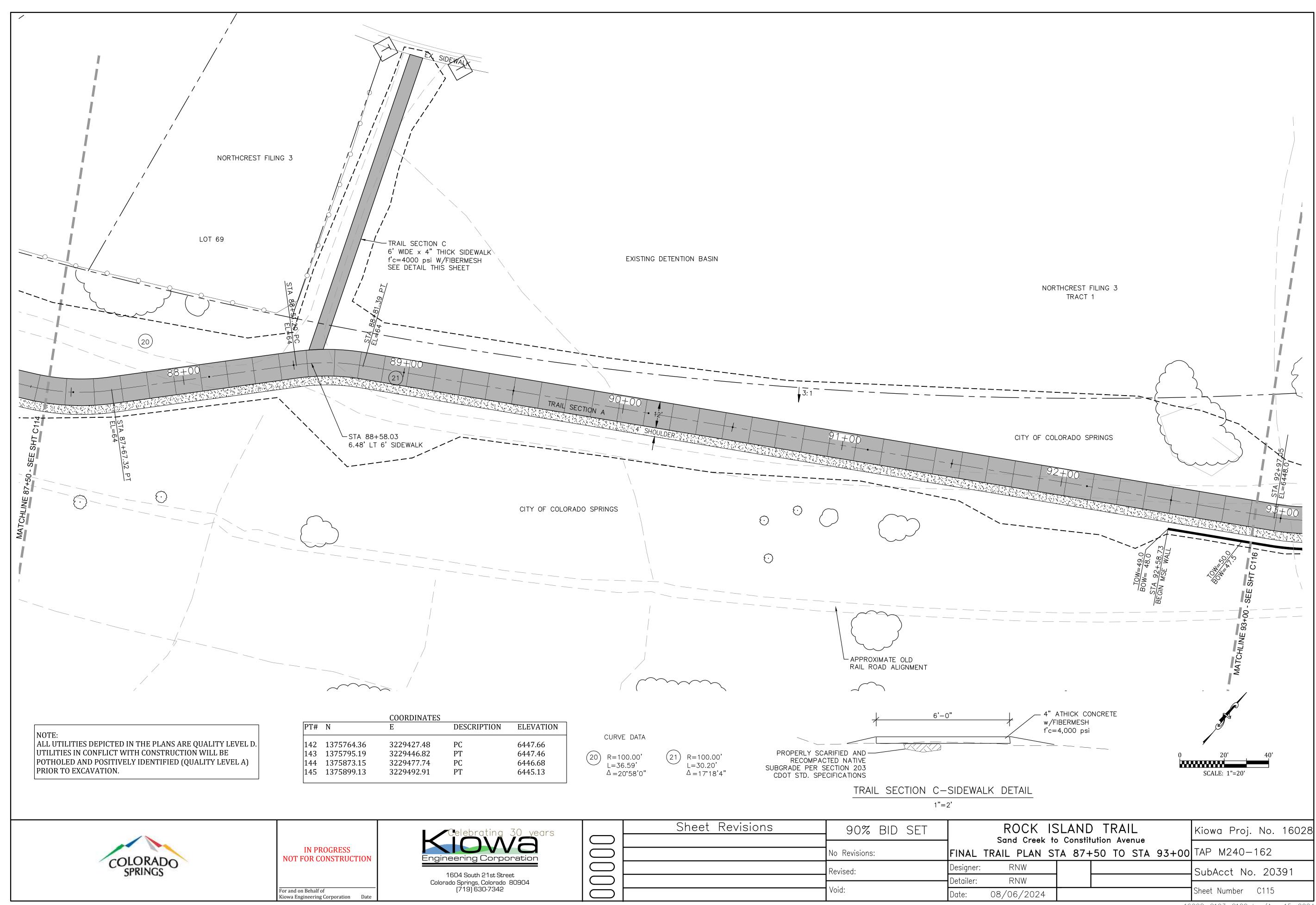


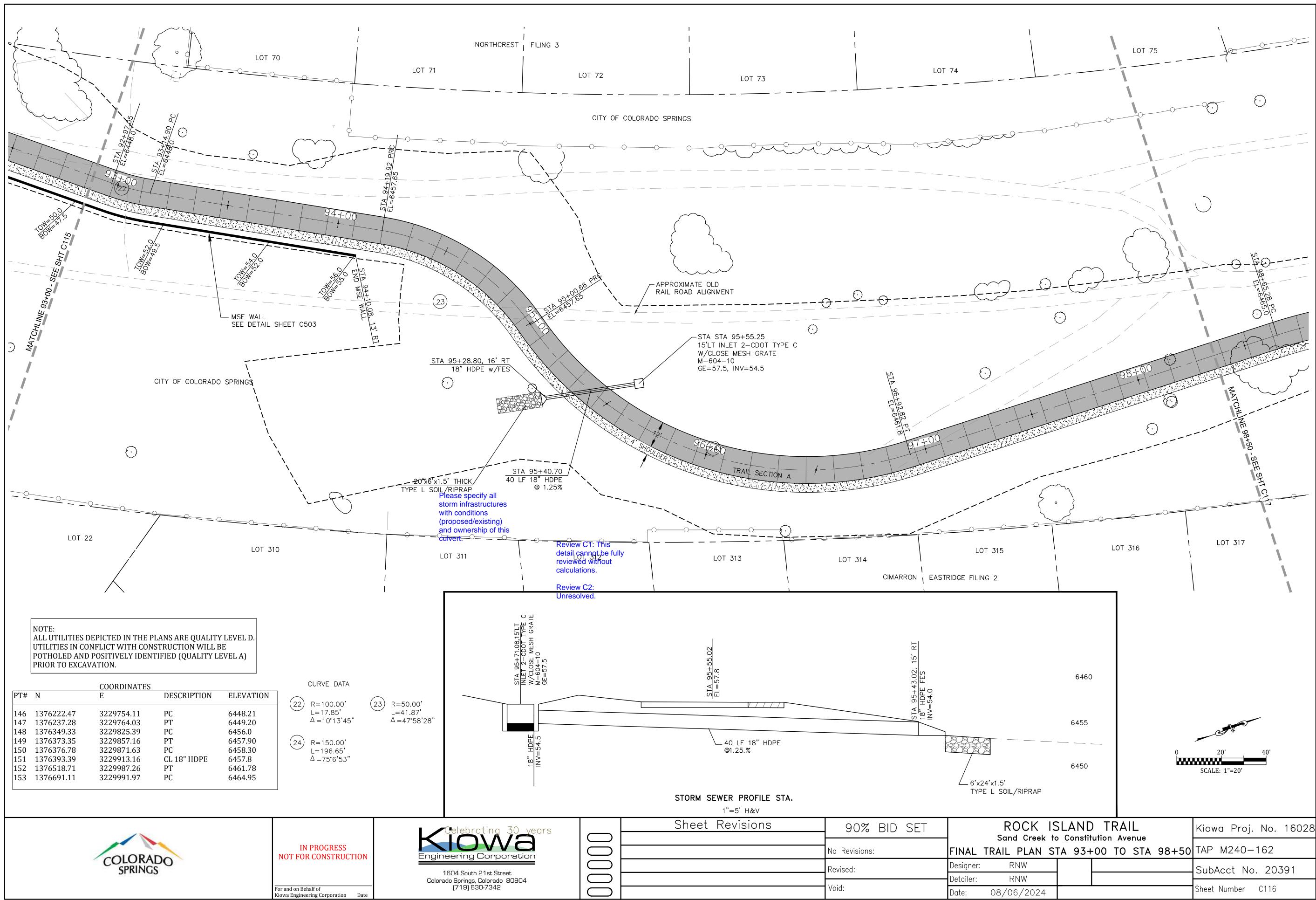


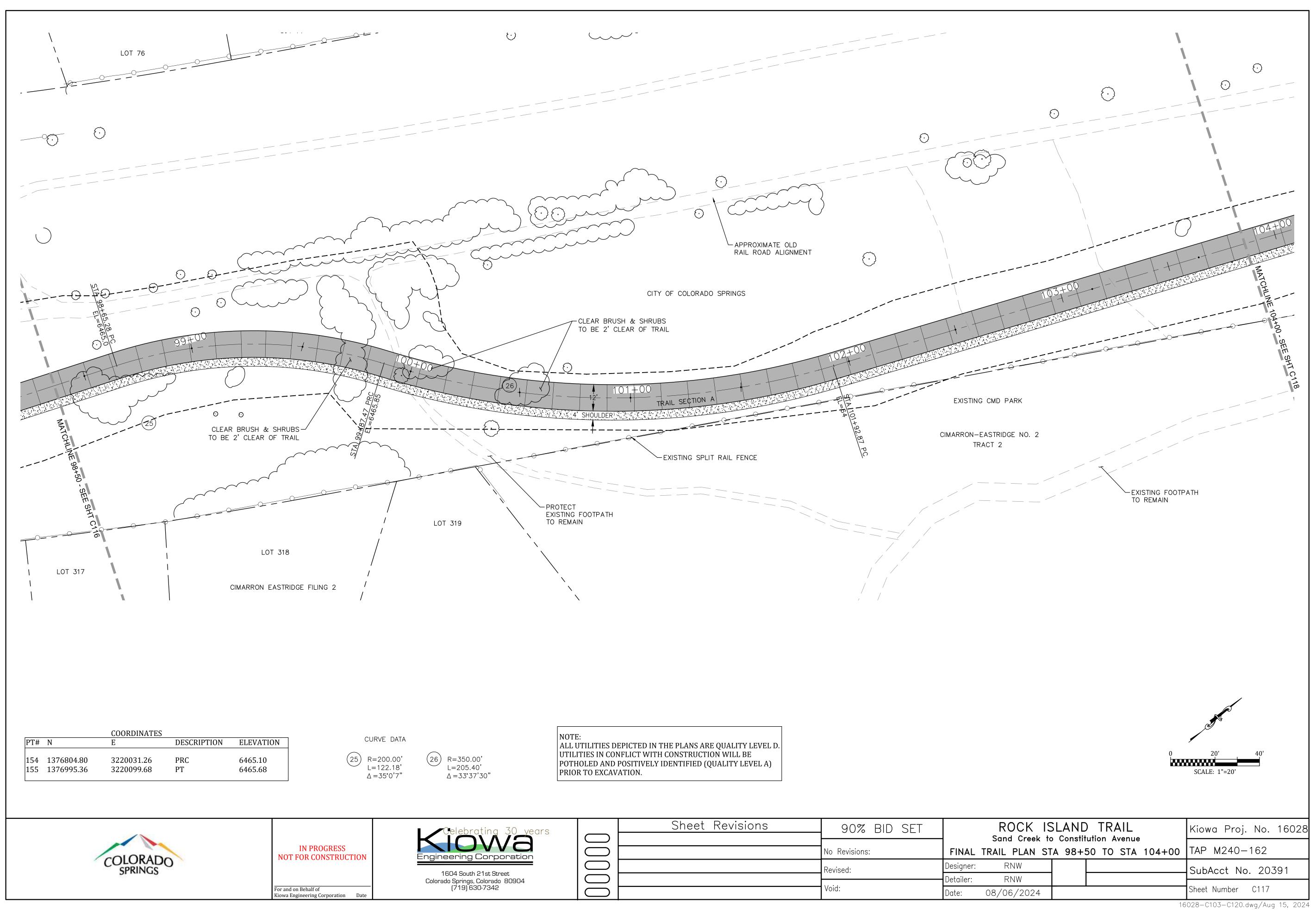


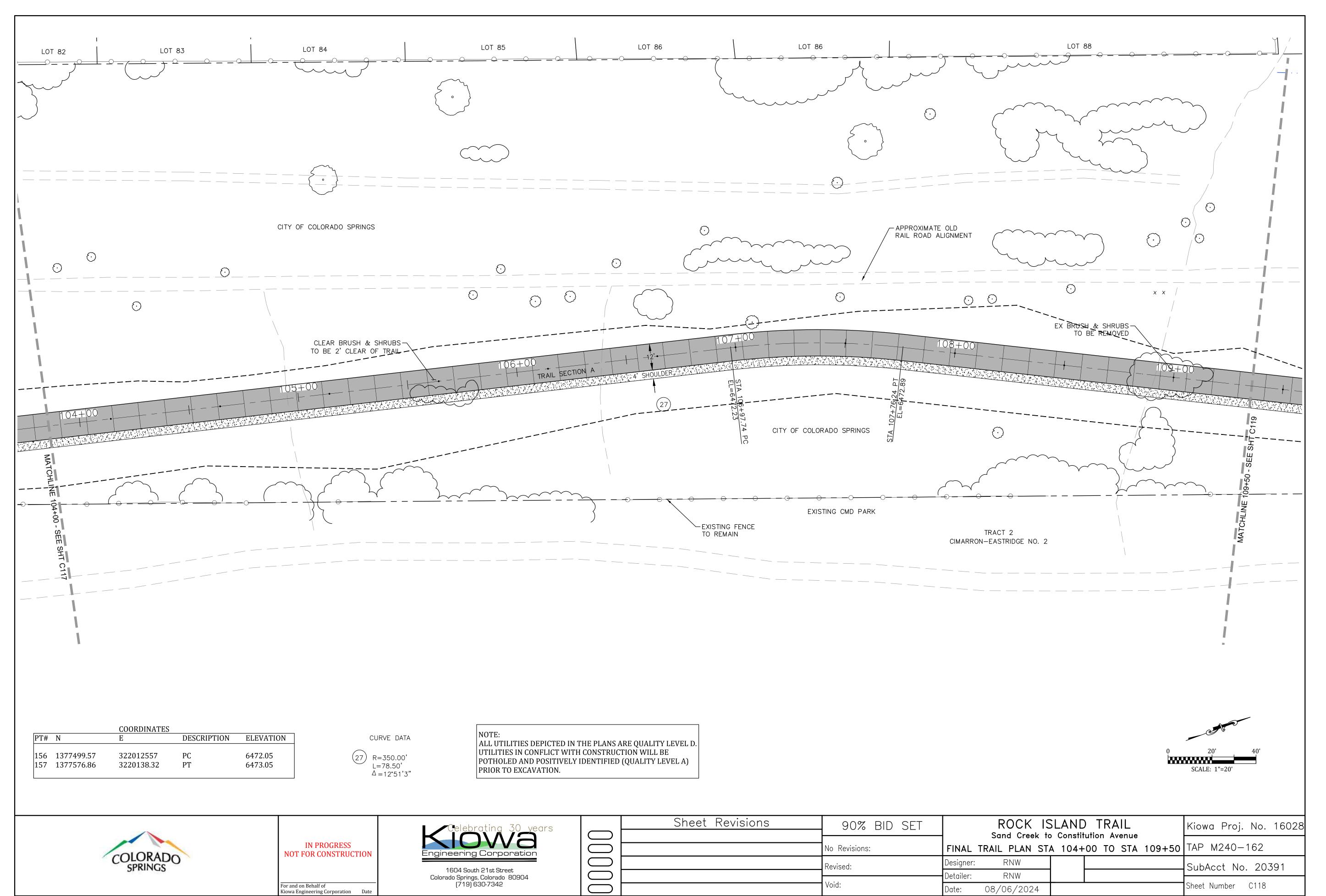




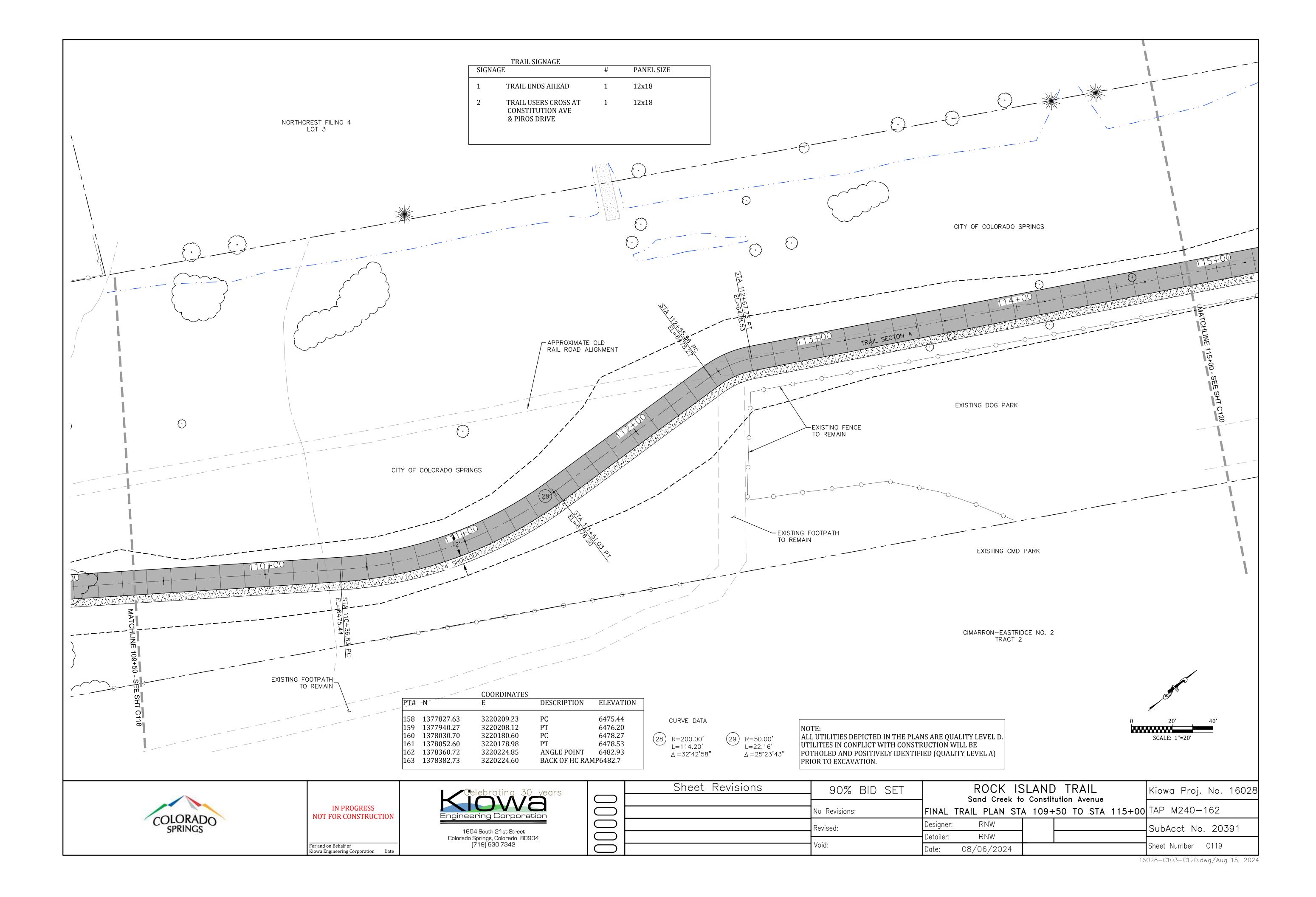




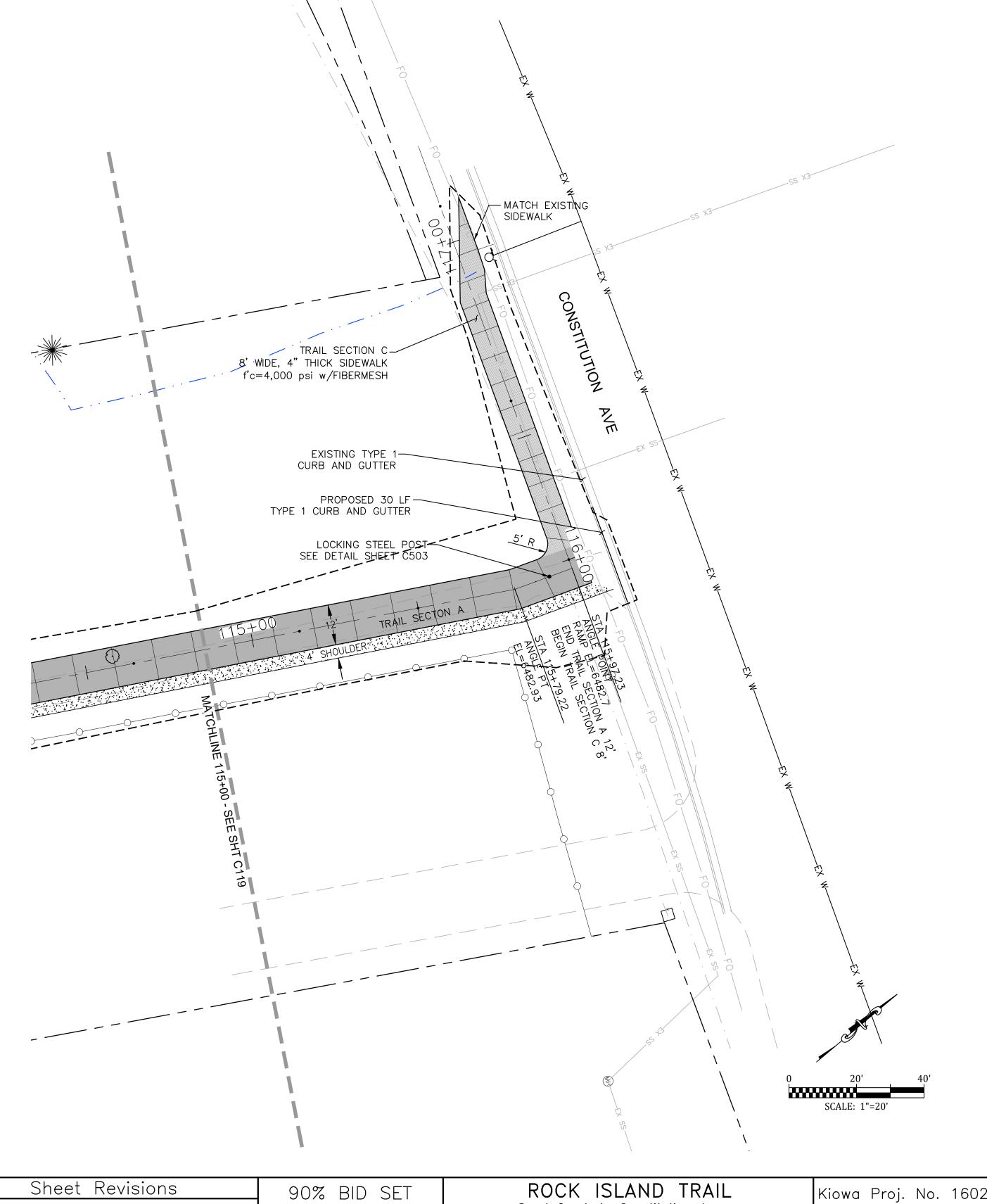




16028-C103-C120.dwg/Aug 15, 2024



TRAIL SIGNAGE SIGNAGE PANEL SIZE TRAIL ENDS AHEAD 12x18 TRAIL USERS CROSS AT 12x18 CONSTITUTION AVE & PIROS DRIVE



NOTE:
ALL UTILITIES DEPICTED IN THE PLANS ARE QUALITY LEVEL D.
UTILITIES IN CONFLICT WITH CONSTRUCTION WILL BE
POTHOLED AND POSITIVELY IDENTIFIED (QUALITY LEVEL A)
PRIOR TO EXCAVATION.

			COORDINATES			
P	T#	# N E DESCRIPTION		DESCRIPTION	ELEVATION	
1	58	1377827.63	3220209.23	PC	6475.44	
1	59	1377940.27	3220208.12	PT	6476.20	
1	60	1378030.70	3220180.60	PC	6478.27	
1	61	1378052.60	3220178.98	PT	6478.53	
1	62	1378360.72	3220224.85	ANGLE POINT	6482.93	
1	63	1378382.73	3220224.60	BACK OF HC RAN	/IP6482.7	



IN PROGRESS NOT FOR CONSTRUCTION

1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342 For and on Behalf of Kiowa Engineering Corporation Date



	Sheet	Revision
		·

No Revisions:

ROCK ISLAND TRAIL Sand Creek to Constitution Avenue					Kiowa Proj. No. 16028	
INAL 1			115+00 TO STA 117+50			TAP M240-162
esigner:	RNW					SubAcct No. 20391
etailer:	RNW					
ate:	08/06/2024					Sheet Number C120

PEDESTRIAN BRIDGE GENERAL INFORMATION

SPECIFICATIONS FOR BRIDGE GIRDER AND DECK UNIT (ITEM 628)

<u>GENERAL</u>

IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL AND ERECT A FULLY ENGINEERED, PREFABRICATED BRIDGE GIRDER AND DECK UNIT. THIS WORK SHALL CONSIST OF ALL LABOR, MATERIALS, AND EQUIPMENT FOR INSTALLATION OF THE SUPERSTRUCTURE AS SHOWN ON THE PLANS. FABRICATION AND DELIVERY OF THE BRIDGE GIRDER AND DECK UNIT SHALL BE FURNISHED BY THE CITY OF COLORADO SPRINGS. FABRICATION AND CONSTRUCTION OF THE BRIDGE AND ITS COMPONENTS SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS ON THE PLANS.

GEOMETRY

SPAN LENGTHS, DECK WIDTH AND ELEVATIONS SHALL BE IN ACCORDANCE WITH BRIDGE PLANS.

REQUIREMENTS FOR PEDESTRIAN AND BICYCLE RAILING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

DESIGN DATA

THE SUPERSTRUCTURE SHALL BE DESIGNED FOR A MINIMUM PEDESTRIAN LOAD OF 90 psf THE SUPERSTRUCTURE SHALL ALSO BE DESIGNED FOR A VEHICLE LOAD OF 20,000 POUNDS (H10 TRUCK).

OTHER LOADS FOR SUPERSTRUCTURE DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AASHTO GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES.

MATERIALS

THE BRIDGE SHALL BE FABRICATED FROM HIGH STRENGTH, SELF-WEATHERING, LOW ALLOY, ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING AND ASTM A588, ASTM A606, OR ASTM A 242 PLATE AND STRUCTURAL STEEL SHAPES (fy=50,000 psi). ALL BOLTS SHALL BE ASTM A325 HIGH STRENGTH BOLTS. DECK SHALL BE 6" THICK CDOT CLASS D REINFORCED CONCRETE OVER 20 GAGE GALVANIZED STEEL FORM DECKING. REINFORCING STEEL SHALL BE GRADE 60 STEEL REBAR.

EXPANSION JOINT MATERIAL SHALL MEET AASHTO M-213.

SHOP DRAWINGS

THE CONTRACTOR SHALL SUBMIT SHOP FABRICATION DRAWINGS AND DESIGN CALCULATIONS TO THE CITY OF COLORADO SPRINGS FOR APPROVAL. ALL DRAWINGS AND CALCULATIONS THAT ARE SUBMITTED SHALL BE APPROVED, SIGNED, AND SEALED BY A PROFESSIONAL ENGINEER REGISTRATED IN THE STATE OF COLORADO.

DESIGN DATA

- UNIFORM PEDESTRIAN LOAD = 85 psf
- VEHICLE LOAD = 10,000 lbs (H5 TRUCK)
- REINFORCED CONCRETE CLASS BZ: fc=4,000psi
 ABUTMENT STRUCTURAL STEEL: AASHTO M-183 (ASTM A-36)

BRIDGE DESCRIPTION

- PRE-FABRICATED SINGLE SPAN PEDESTRIAN BRIDGE
- WITH SELF-WEATHERING STEEL AND WITH CONCRETE DECKING CDoT CLASS D
- LENGTH = 210 FEET (STA 18+87)
- WIDTH = 12 FEET
 RAILING HEIGHT = 54 INCHES (MINIMUM)

SOILS LEGEND

LEGEND

TOPSOIL.

FILL: POORLY TO WELL—GRADED SAND WITH SILT (SP—SM, SW—SM) WITH OCCASIONAL CLAYEY TO SILTY SAND LAYERS, SLIGHTLY MOIST TO MOIST, TAN TO BROWN. OCCASIONAL ASPHALT DEBRIS IN BORING 4.

POORLY TO WELL-GRADED SAND WITH SILT (SP-SM, SW-SM) WITH OCCASIONAL POORLY GRADED SAND (SP) AND SILTY TO CLAYEY LAYERS, MEDIUM DENSE TO VERY DENSE, MOIST TO WET, TAN TO GRAY.

CLAYSTONE BEDROCK, VERY HARD, MOIST, DARK GRAY.

DRIVE SAMPLE, 2-INCH I.D. CALIFORNIA LINER SAMPLE.

25/12 DRIVE SAMPLE BLOW COUNT. INDICATES THAT 25 BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES WERE REQUIRED TO DRIVE THE SAMPLER 12 INCHES.

- $\stackrel{ op}{=}$ Depth to water level and number of days after drilling measurement was made.
- → DEPTH AT WHICH BORING CAVED.

NOTE

- 1. THE EXPLORATORY BORINGS WERE DRILLED ON MARCH 17, 2011 WITH A 4-INCH DIAMETER CONTINUOUS FLIGHT POWER AUGER.
- 2. THE LOCATIONS OF THE EXPLORATORY BORINGS WERE MEASURED APPROXIMATELY BY TAPING FROM FEATURES SHOWN ON THE SITE PLAN PROVIDED.
- 3. THE ELEVATIONS OF THE EXPLORATORY BORINGS WERE OBTAINED BY INTERPOLATION BETWEEN CONTOURS ON THE SITE PLAN PROVIDED.
- 4. THE EXPLORATORY BORING LOCATIONS AND ELEVATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
- 5. THE LINES BETWEEN MATERIALS SHOWN ON THE EXPLORATORY BORING LOGS REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN MATERIAL TYPES AND THE TRANSITIONS MAY BE GRADUAL.
- 6. GROUND WATER LEVELS SHOWN ON THE LOGS WERE MEASURED AT THE TIME AND UNDER CONDITIONS INDICATED. FLUCTUATIONS IN THE WATER LEVEL MAY OCCUR WITH TIME.

7. LABORATORY TEST RESULTS:

WC = WATER CONTENT (%) (ASTM D 2216);

DD = DRY DENSITY (pcf) (ASTM D 2216);

+4 = PERCENTAGE RETAINED ON NO. 4 SIEVE (ASTM D 422);

-200 = PERCENTAGE PASSING NO. 200 SIEVE (ASTM D 1140);

LL = LIQUID LIMIT (ASTM D 4318);

PI = PLASTICITY INDEX (ASTM D 4318);

NP = NON-PLASTIC (ASTM D 4318);

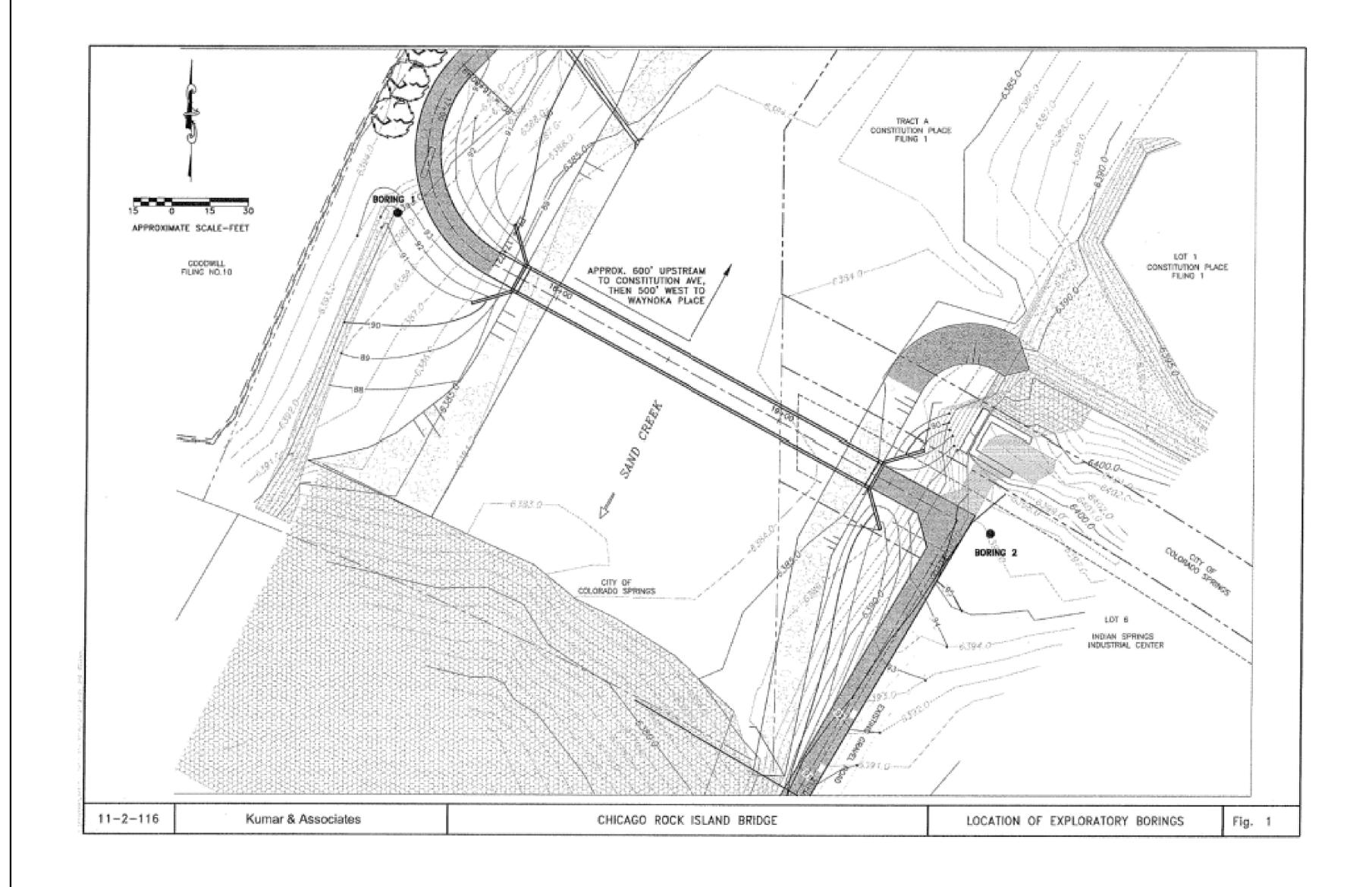
WSS = WATER SOLUBLE SULFATES (%) (AASHTO T 290).

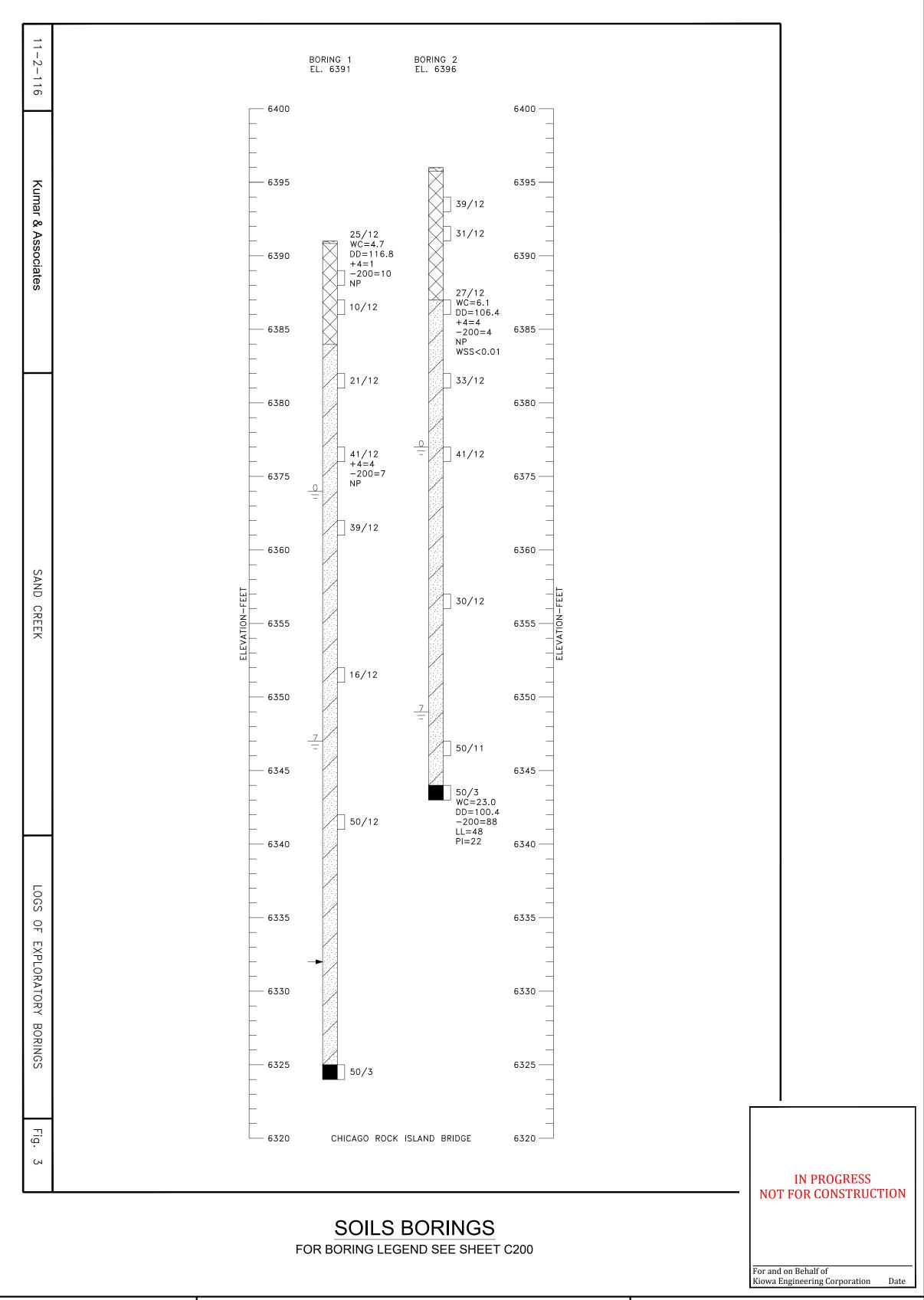




Colorado Springs, Colorado 80904 (719) 630-7342

Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL	Kiowa Proj. No. 16028
	No Revisions:	Sand Creek to Constitution Avenue Pedestrian Bridge General Information	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
	Void:	Detailer: RNW Date: 08/06/2024	Sheet Number C200









Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL Sand Creek to Constitution Avenue	Kiowa Proj. No. 16028
	No Revisions:	Pedestrian Bridge Boring Log	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
	Void:	Detailer: RNW Date: 08/06/2024	Sheet Number C201

RECURRENCE INTERVAL IN YEARS

SOURCE: FINAL AS—BUILT
HYDROLOGY SAND CREEK
DETENTION BASIN NO. 1
PREPARED BY KIOWA ENGINEERING

CHANNEL DESCRIPTION

BOTTOM MATERIAL — COHESIVE | NON—COHESIVE | BOTTOM MATERIAL SIZE — CLAY | SILT | SAND | GRAVEL | COBBLES | OTHER | STREAM FORM — STRAIGHT | MEANDERING | BRAIDED | MANNINGS 'n' FOR DESIGN — CHANNEL .03 OVERBANK .04 DEBRIS — BRUSH | TREES/LOGS | ICE | OTHER |

COMPARISON OF HYDRAULICS (100-YEAR)

VELOCITY FREEBOARD MAX. BACKWATER

HEATHERCREST BRIDGE

① EXISTING $\underline{7.1}$ fps $\underline{4.0\pm}$ ft $\underline{0.0}$ ft

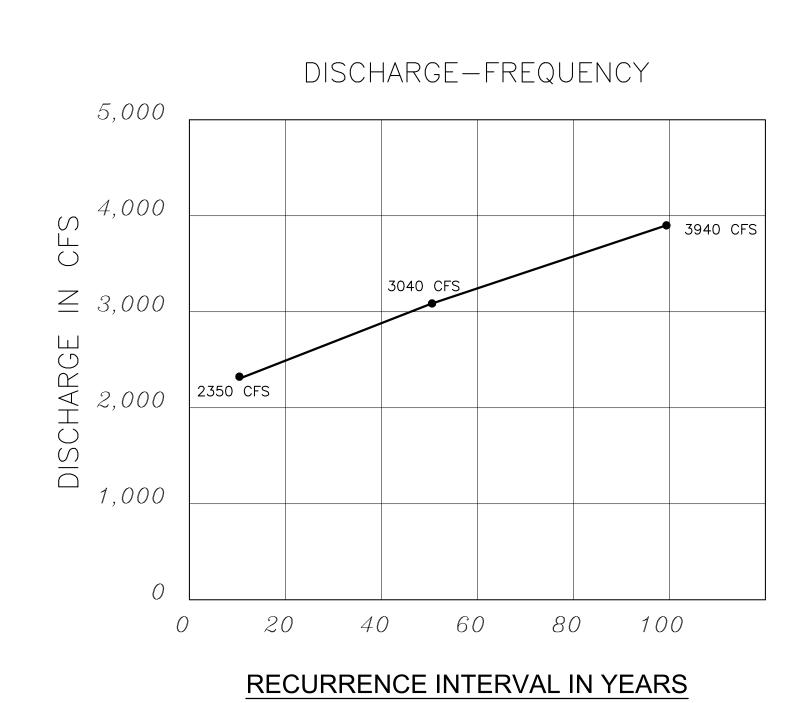
CHICAGO ROCK ISLAND BRIDGE

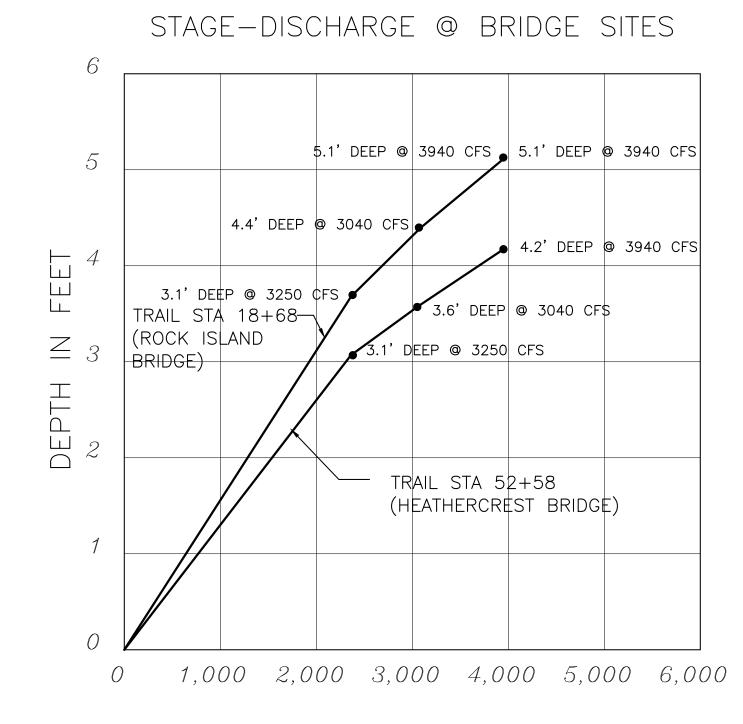
① EXISTING $_$ 6.2 fps $_$ 3.2 ft $_$ 0.0 ft

2) PROPOSED _6.5_ fps ___2.5_ ft(1) __0.0__ ft

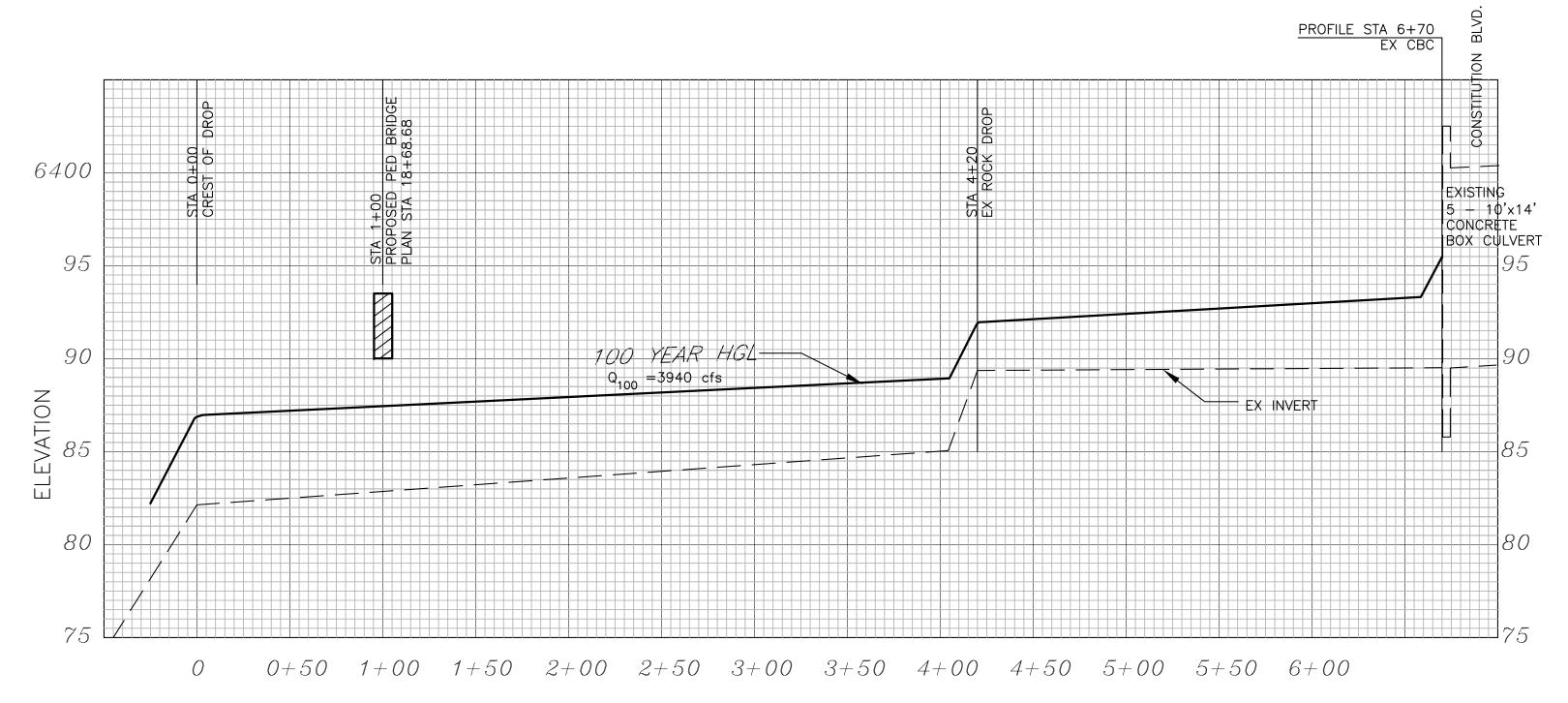
COMMENTS

(1) DISTANCE TO LOW STEEL OF BRIDGE

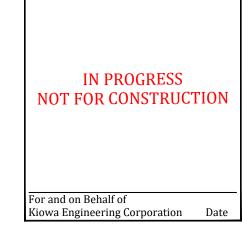








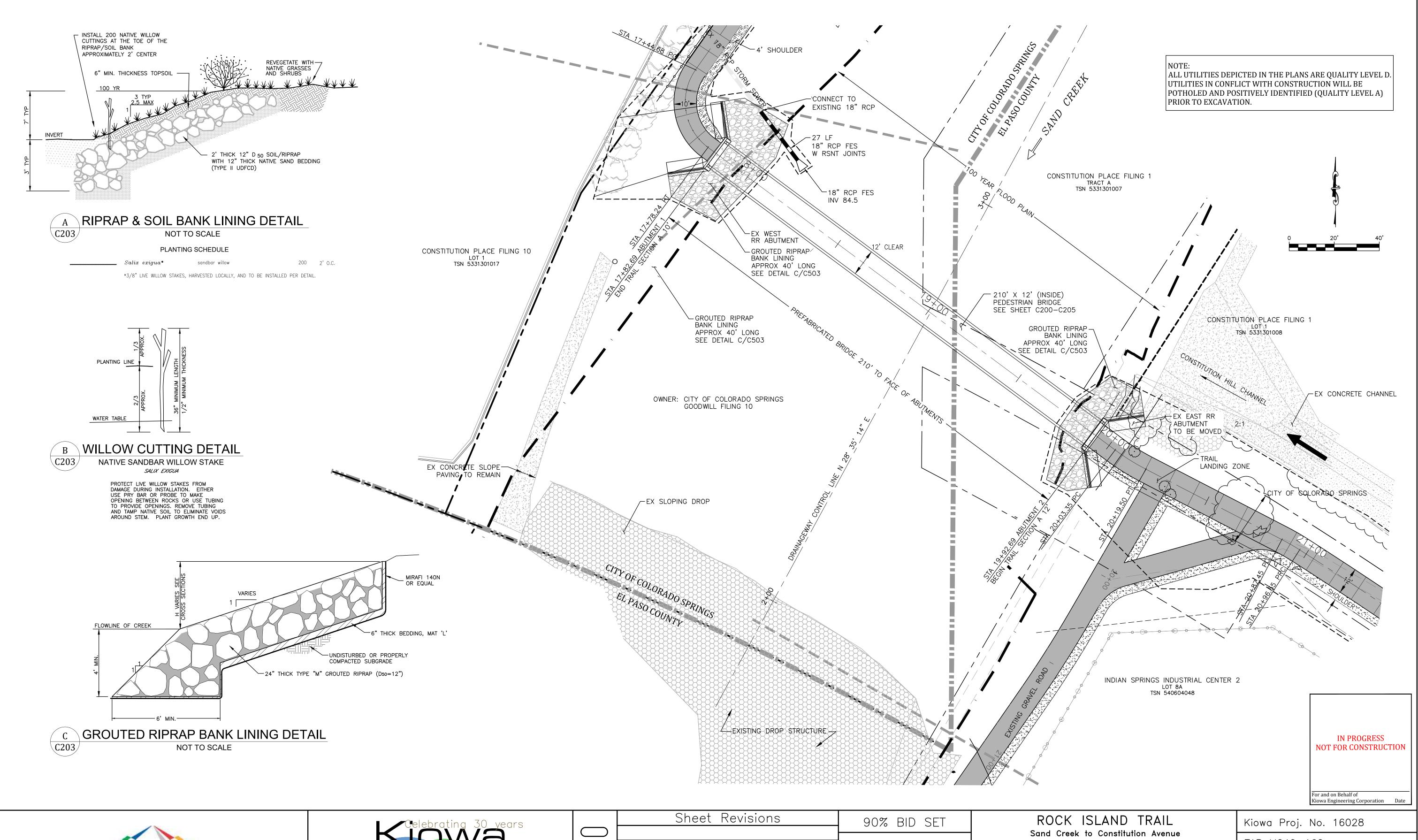








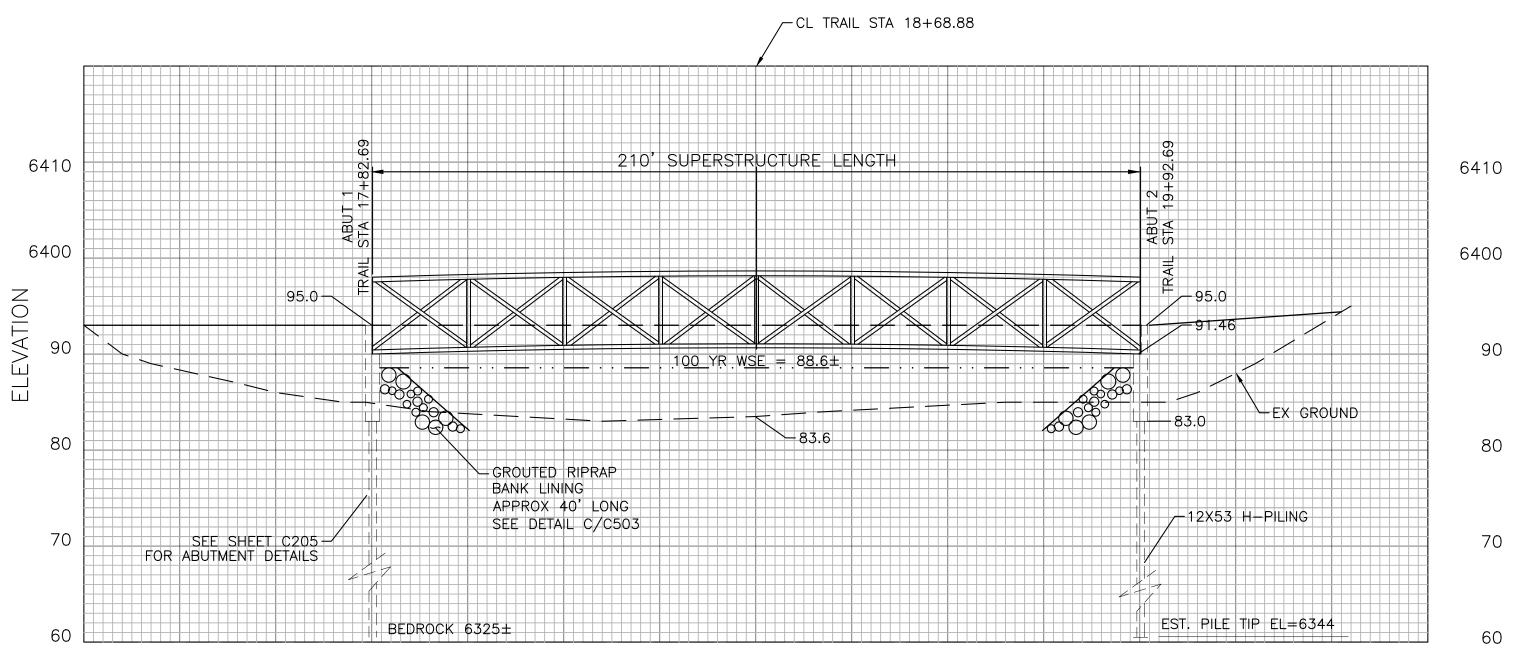
Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL Sand Creek to Constitution Avenue		Kiowa Proj. No. 16028	
	No Revisions:	Pedestrian B			TAP M240-162
	Revised:	Designer: RNW			SubAcct No. 20391
		Detailer: RNW			
	Void:	Date: 08/06/2024			Sheet Number C202







Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL	Kiowa Proj. No. 16028
	No Revisions:	Sand Creek to Constitution Avenue Pedestrian Bridge Layout & Grading Plan	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
		Detailer: RNW	
	Void:	Date: 08/06/2024	Sheet Number C203



CHICAGO, ROCK ISLAND & PACIFIC PEDESTRIAN BRIDGE LONGITUDINAL SECTION LOOKING NORTHEAST SCALE: 1" = 20' (H) & 1" = 10' (V)

PAY ITEM 628 SHALL INCLUDE THE INSTALLATION OF THE BRIDGE GIRDER, DECK UNIT, BEARING PLATES AND BEARING PADS. FABRICATION AND DELIVERY OF THE BRIDGE, DECK UNIT, BEARING PLATE AND BEARING PADS SHALL BE PROVIDED BY THE CITY OF COLORADO SPRINGS.

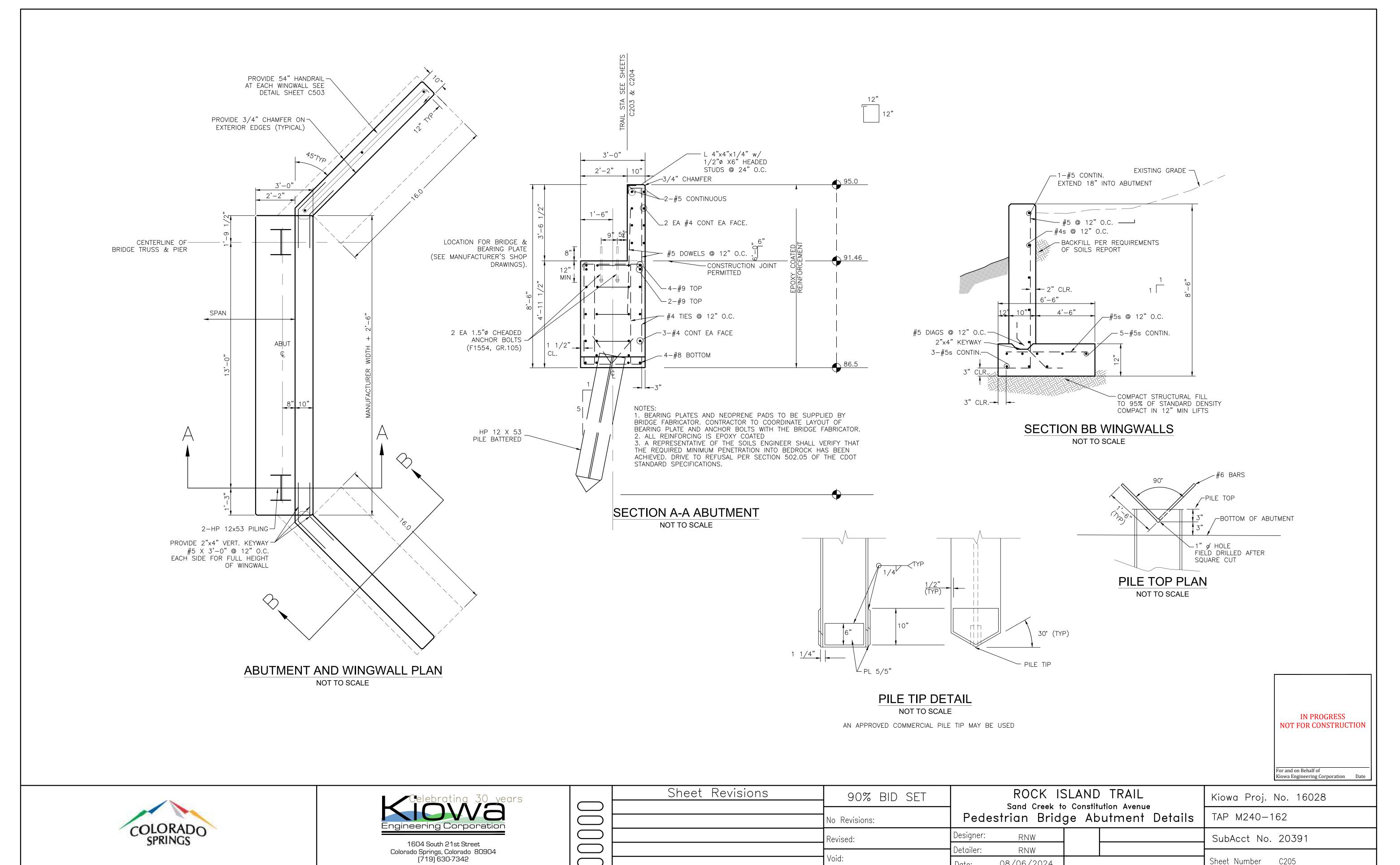


For and on Behalf of Kiowa Engineering Corporation Date





Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL Sand Creek to Constitution Avenue	Kiowa Proj. No. 16028
	No Revisions:	Pedestrian Bridge Section	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
	Void:	Detailer: RNW	Sheet Number C204



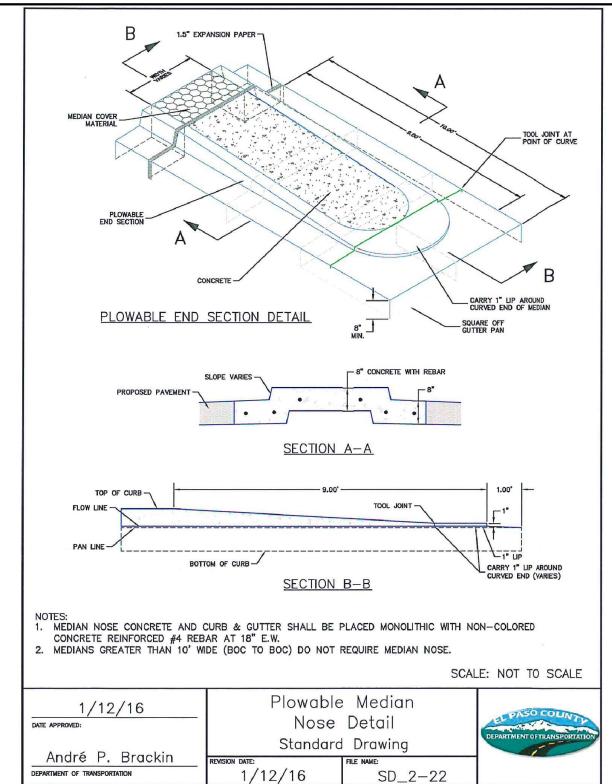
Sheet Number C205

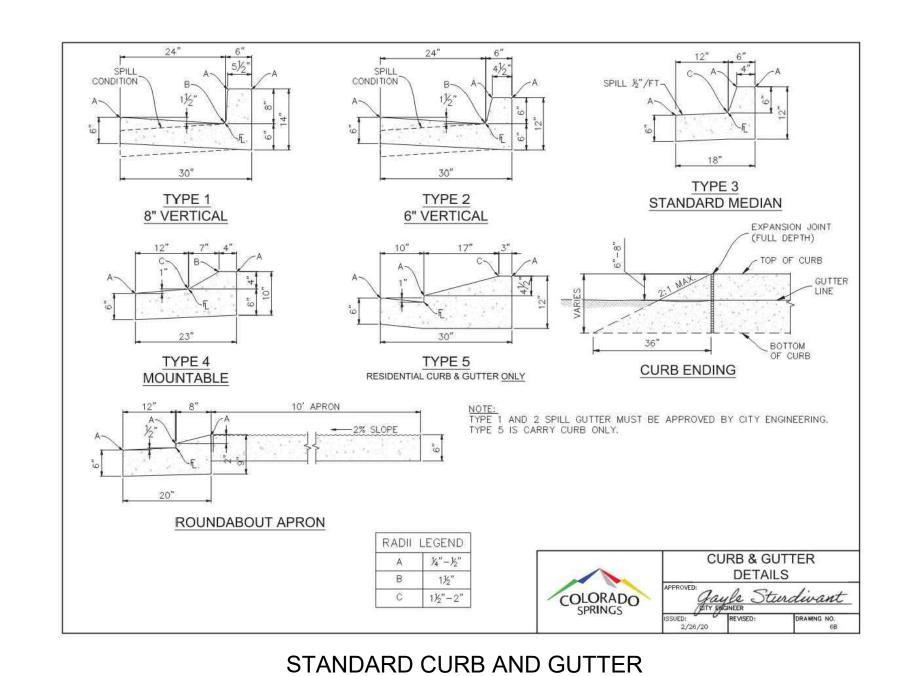
RNW

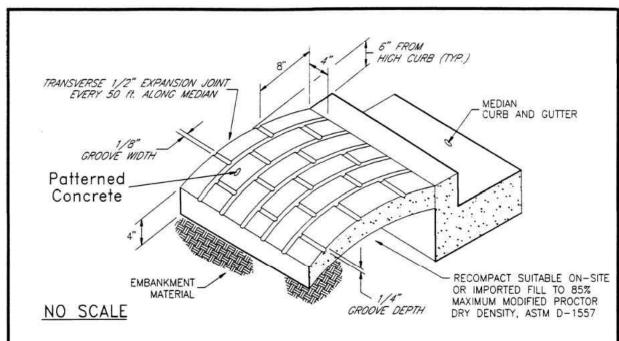
08/06/2024

Detailer:

Void:







- B) Install 1/2" x 4" expansion material at median noses, fixed objects, and at transverse joints

- E) The matching curing compound shall be a blend of waxes and pigments in a solvent emulsion base and conform to the requirements of ASTM C-309. The curing compound shall be "Lithocrome Colorwax" as manufactured by L.M. Scofield Company, "Davis Color-Seal, as

- 5) Entrained Air Content = 6% 10%

Expansion Joint Prefabricated Truncated Dome Panel Set Into Wet Concrete Section A-A Curb Tooled Joint See Note 4 (Typ) Lip of Gutter-_Lip of Gutter Plan View Panel Set Into Wet Concrete Section B-B Attached sidewalk shall be 6 feet wide minimum. Detached sidewalk shall be 5 feet wide minimum. Sidewalk width may be reduced to 4 feet in retrofit applications. 5' Min Turning Space_ 2% Max Any Direction Ramp width shall be the same as the approaching sidewalk or turning space but not less than 4 feet. Ramp cross slope shall evenly transition between turning space grade and street grade. Sidewalk cross slope shall be 2% maximum measured perpendicular to the direction of walk for detached sidewalk and perpendicular to the curb for attached sidewalk. Curb tooled joints shall be laid out so that at least one joint occurs within the width of each ramp. SIDEWALK CURB RAMPS TYPE 2 CURB RAMP

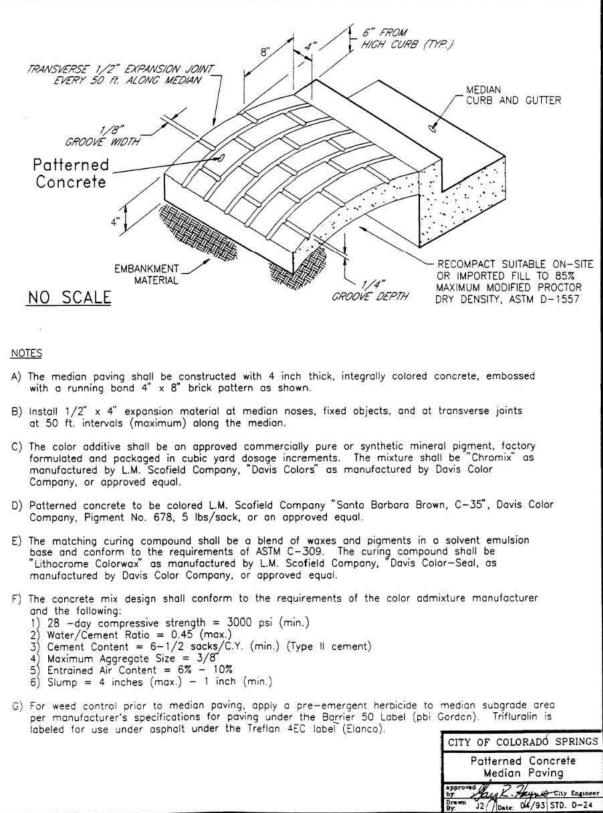
Turning Space 5'x5' Min, 2% Max Any Direction

COLORADO

See Notes 1 and 2 5' Min, 10% Max
Ramp Flare

EPC STANDARD RAMP DETAIL

MEDIAN DETAIL



MEDIAN DETAIL



IN DDOCDECC	
IN PROGRESS	
OT FOR CONSTRUCTION	

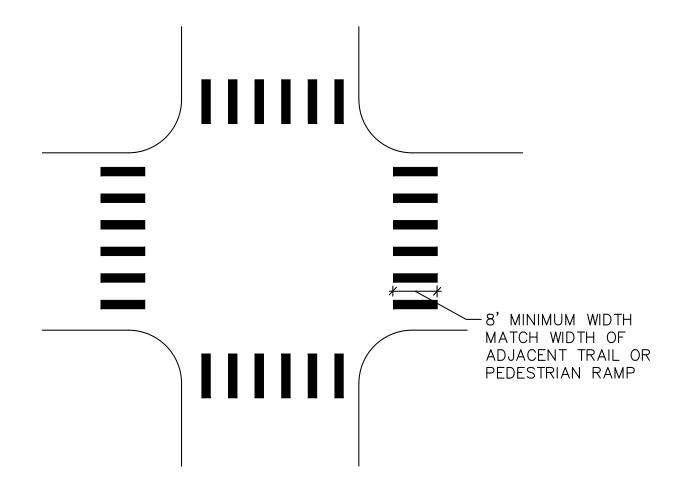
Kiowa Engineering Corporation Date

For and on Behalf of

Celebrating 30 years LOVA Engineering Corporation
1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342

Isometric View

Sheet Revisions	90% BID SET	ROCK ISLAN	Kiowa Proj. No. 16
	No Revisions:	Sand Creek to Const STANDARD D	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
	Void:	Detailer: RNW Date: 08/06/2024	Sheet Number C501



CROSSWALK MARKING DETAIL

NOT TO SCALE

NOTES: CENTER CROSSWALK MARKINGS ON PEDESTRIAN RAMPS. CROSSWALK MARKINGS SHALL BE 24" WIDE AND SPACED 12" TO 24" APART. MARKINGS SHALL BE MADE WITH EPOXY PAINT. REFER TO CDoT STANDARD S-627-1 FOR LAYOUT OF

SOIL RIPRAP

THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL AND MIXED WITH SIXTY FIVE PERCENT (65%) RIPRAP AND THIRTY FIVE PERCENT (35%) SOIL BY VOLUME.

SOIL RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.

CONTRACTOR SHALL COOPERATE WITH ENGINEER IN OBTAINING AND PROVIDING SAMPLES OF ALL SPECIFIED MATERIALS.

CONTRACTOR SHALL SUBMIT CERTIFIED LABORATORY TEST CERTIFICATES FOR ALL ITEMS REQUIRED FOR SOIL RIPRAP.

RIPRAP USED SHALL BE THE TYPE DESIGNATED ON THE DRAWINGS AND SHALL CONFORM TO TABLE SHOWN TO THE RIGHT.

THE RIPRAP DESIGNATION AND TOTAL THICKNESS OF RIPRAP SHALL BE AS SHOWN ON THE DRAWINGS. THE MAXIMUM STONE SIZE SHALL NOT LARGER THAN THE THICKNESS OF THE RIPRAP.

NEITHER WIDTH NOR THICKNESS OF A SINGLE STONE OF RIPRAP SHALL BE LESS THAN ONE-THIRD ($\frac{1}{3}$) OF ITS LENGTH.

THE SPECIFIC GRAVITY OF THE RIPRAP SHALL BE TWO AND ONE-HALF (2.5) OR GREATER.

MINIMUM DENSITY FOR ACCEPTABLE RIPRAP SHALL BE ONE HUNDRED AND SIXTY FIVE (165) POUNDS PER CUBIC FOOT.

RIPRAP SPECIFIC GRAVITY SHALL BE ACCORDING TO THE BULK-SATURATED, SURFACE-DRY BASIS, IN ACCORDANCE WITH AASHTO T85.

THE RIPRAP SHALL HAVE A PERCENTAGE LOSS OF NOT MORE THAN FORTY PERCENT (40%) AFTER FIVE HUNDRED (500) REVOLUTIONS WHEN TESTED IN ACCORDANCE WITH AASHTO T96.

THE RIPRAP SHALL HAVE A PERCENTAGE LOSS OF NOT MORE THAN TEN (10%) AFTER FIVE (5) CYCLES WHEN TESTED IN ACCORDANCE WITH AASHTO T104 FOR LEDGE ROCK USING SODIUM SULFATE.

THE RIPRAP SHALL HAVE A PERCENTAGE LOSS OF NOT MORE THAN TEN PERCENT (10%) AFTER TWELVE (12) CYCLES OF FREEZING AND THAWING WHEN TESTED IN ACCORDANCE WITH AASHTO T103 FOR LEDGE ROCK, PROCEDURE A. ROCK SHALL BE FREE FROM CALCITE INTRUSIONS.

RUBBLE FOR USE AS SOIL/RIPRAP SHALL BE GRADED TO MEET THE EQUIVALENT ROCK RIPRAP GRADATION. RUBBLE PROPOSED FOR USE IN PLACE OF ROCK RIPRAP SHALL BE STOCKPILED FOR OBSERVATION BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORK

- A. EACH LOAD OF RIPRAP SHALL BE REASONABLY WELL GRADED FROM THE SMALLEST TO THE LARGEST SIZE SPECIFIED.

 B. STONES SMALLER THAN THE TWO TO TEN PERCENT (2%-10%) SIZE WILL NOT BE PERMITTED IN AN AMOUNT EXCEEDING TEN PERCENT (10%) BY WEIGHT OF EACH LOAD.
- C. CONTROL OF GRADATION SHALL BE BY VISUAL INSPECTION. HOWEVER IN THE EVENT THE ENGINEER DETERMINES THE RIPRAP TO BE UNACCEPTABLE, THE ENGINEER SHALL PICK TWO (2) RANDOM TRUCKLOADS TO BE DUMPED AND CHECKED FOR GRADATION.

1) MECHANICAL EQUIPMENT AND LABOR NEEDED TO ASSIST IN CHECKING GRADATION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

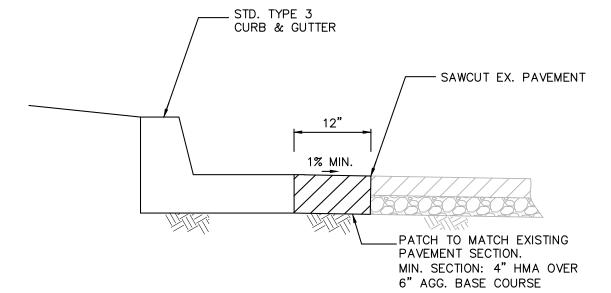
BROKEN ASPHALT PAVEMENT SHALL NOT BE ACCEPTABLE FOR USE IN THE WORK.

ROUNDED RIPRAP (RIVER ROCK) IS NOT ACCEPTABLE, UNLESS SPECIFICALLY DESIGNATED ON THE DRAWINGS.

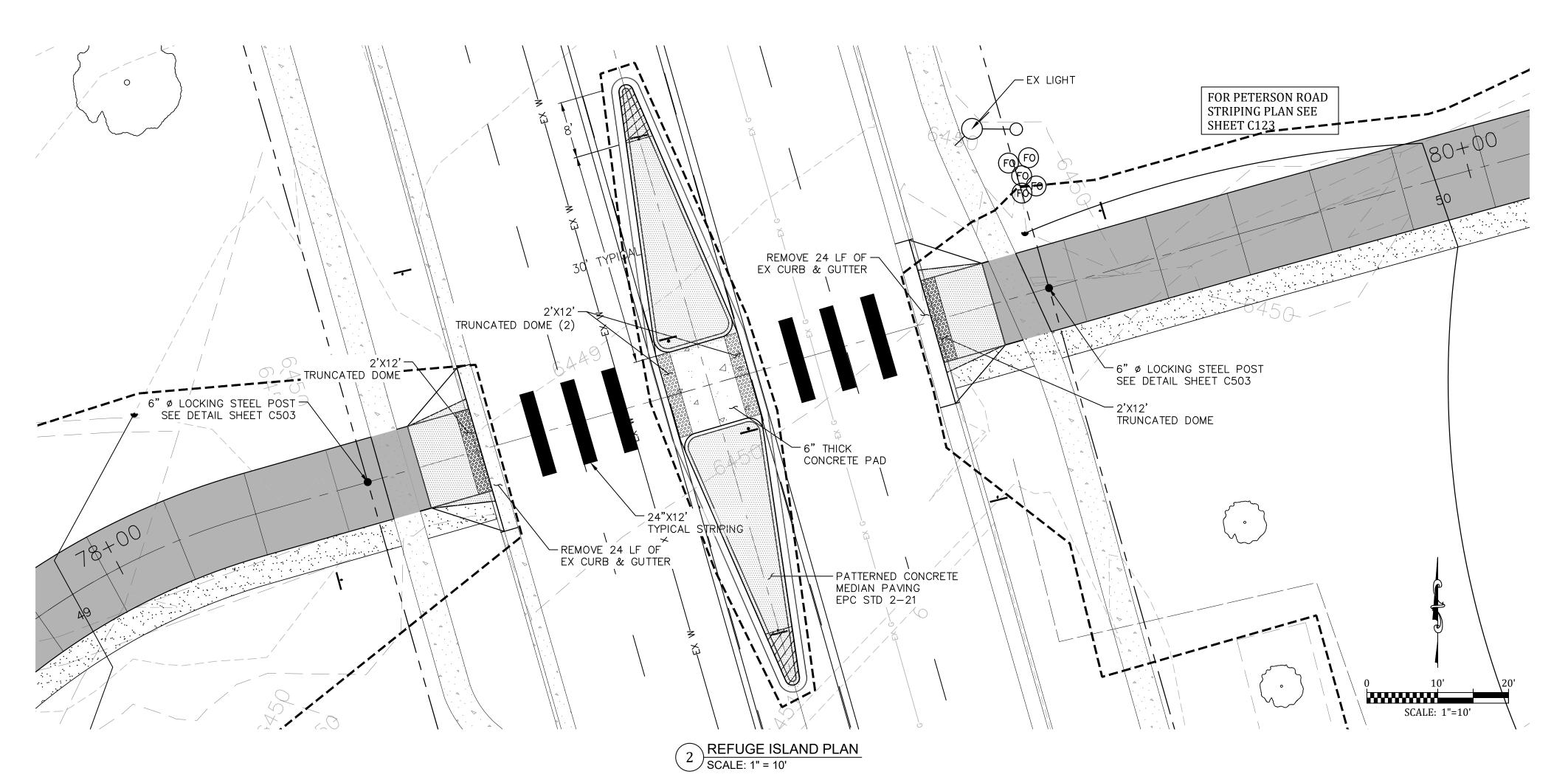
CLASSIFIC	ation and gi	RADATION OF	RIPRAP
RIPRAP DESIGNATION	% SMALLER THAN GIVEN SIZE BY WEIGHT	INTERMEDIATE ROCK DIMENSION (INCHES)	d50* (INCHES)
TYPE VL	70-100 50-70 35-50 2-10	12 9 6 2	6**
TYPE L	70-100 50-70 35-50 2-10	15 12 9 3	9**
TYPE M	70-100 50-70 35-50 2-10	21 18 12 4	12**
TYPE H	100 50-70 35-50 2-10	30 24 18 6	18
TYPE VH	100 50-70 35-50 2-10	42 33 24 9	24

d50=MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT. ** MIX VL, L AND M RIPRAP WITH 35% TOPSOIL (BY VOLUME) AND BURY WITH 4-6 INCHES OF TOPSOIL, ALL VIBRATION COMPACTED &

(TABLE MD-7: CLASSIFICATION AND GRADATION OF ORDINARY RIPRAP. UDFCD, DRAINAGE CRITERIA MANUAL, VOL. 1)



REFUGE ISLAND CURB CUT NOT TO SCALE





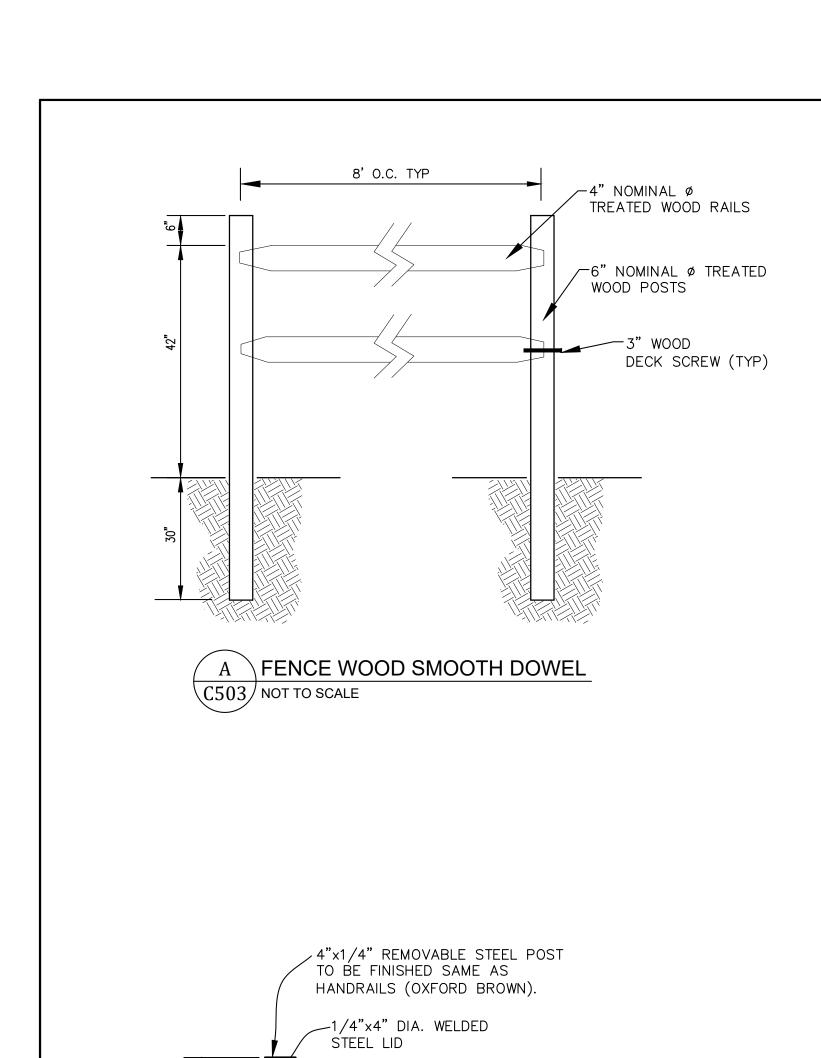
IN PROGRESS NOT FOR CONSTRUCTION

Kiowa Engineering Corporation Date

For and on Behalf of

ingineering Corporation 1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342

Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL	Kiowa Proj. No. 16028
		Sand Creek to Constitution Avenue	
	No Revisions:	TYPICAL MISCELLANEOUS DETAILS	TAP M240-162
	Revised:	Designer: RNW	SubAcct No. 20391
		Detailer: RNW	- 3db/(000 110. 2000 1
	Void:		Sheet Number C502
		Date: 08/06/2024	Sheet Number 6302



—2" Ø FOR CHAIN SPANNING

-SINGLE LINK OF CHAIN

TO BE WELDED TO MOVABLE POST

-27"x5" I.D. SLEEVE

CONC. 6" THK. MIN.

LOCKING STEEL POST DETAIL

→ 4" O.D.

42"

2-1/2" DRAIN-

HOLES

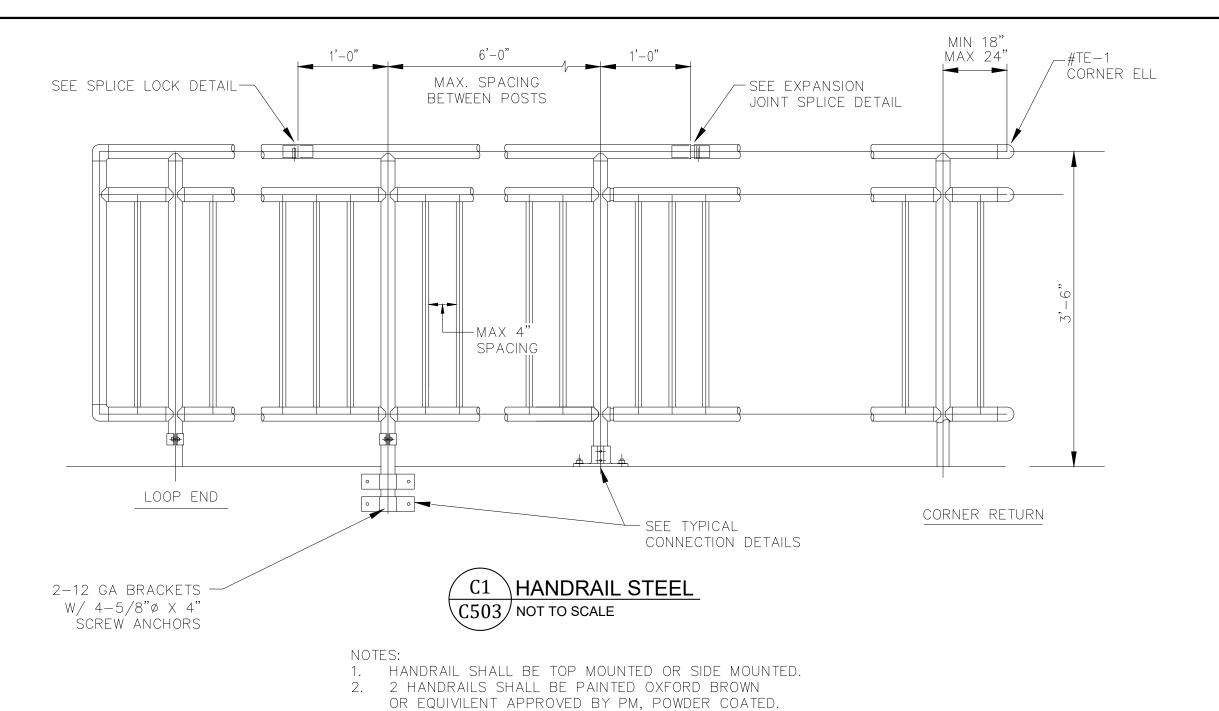
POST-TO-POST. ONE END OF

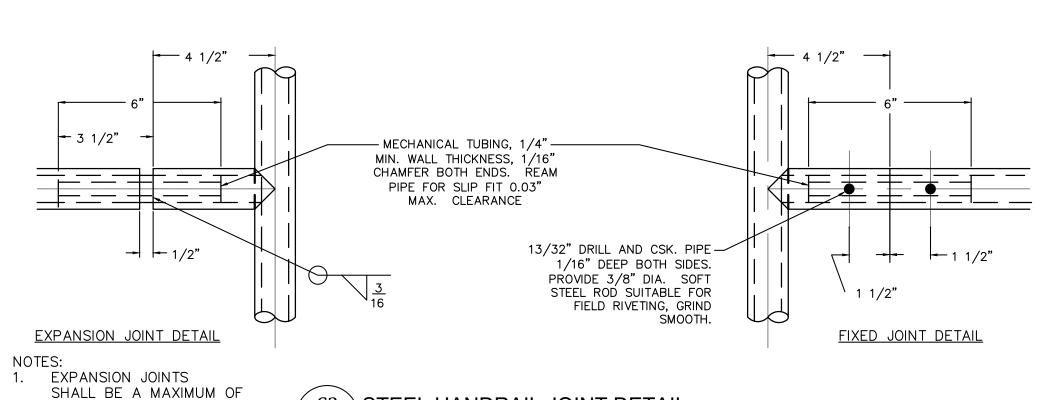
CHAIN TO BE WELDED TO LOCKING

-8"x1/4" STEEL LINK

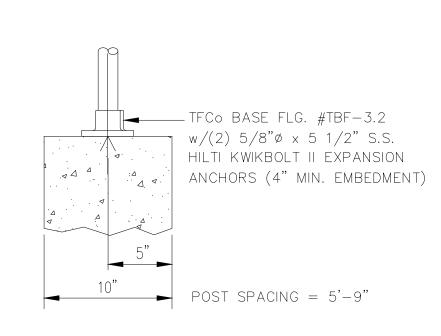
CHAÍN TO BE WELDED TO BASE OF POST.

-CITY TO PROVIDE LOCK. PUBLIC WORKS & WATER RESOURCES DIV. TO BE PROVIDED KEYS.



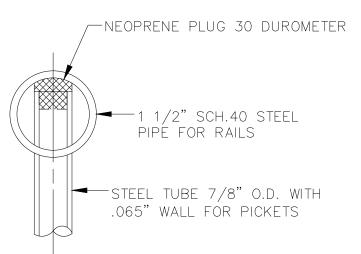




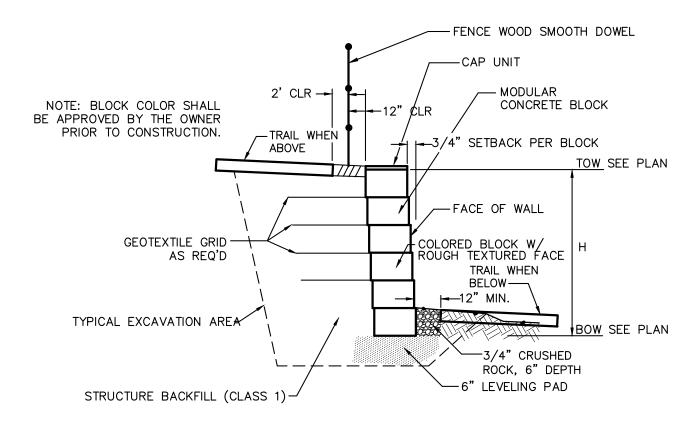


TYPICAL TOP MOUNT CONNECTION TO CONCRETE WALL

C2 \STEEL HANDRAIL CONNECTION DETAIL C503 NOT TO SCALE



C4 STEEL HAND RAIL CONNECTION C503 NOT TO SCALE

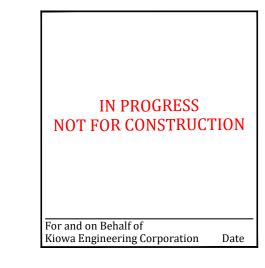


WALL NOTES: 1. SHOP DRAWINGS DEPICTING THE DESIGN OF BLOCK WALL SHALL BE SUBMITTED TO ENGINEER PRIOR TO CONSTRUCTION PER THE PROJECT SPECIFICATIONS. DESIGN SHALL BE COMPLETED UNDER THE DIRCT SUPERVISION OF A PROPERLY REGISTERED PROFESSIONAL ENGINEER WITH THE STATE OF COLORADO. FINAL

CONTRACTOR TO OBTAIN EPC-DPW ROAD CUT WORK PERMIT FOR WORK IN RIGHT-OF-WAY.

CONSTRUCTION DRAWINGS SHALL BEAR HIS/HER SEAL AND SIGNATURE.

CONTRACTOR TO SUPPLY TO EPC-DPW CONSTRUCTION TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH ANY WORK WITHIN THE PETERSON ROAD RIGHT-OF-WAY.



D \CONCRETE BLOCK FACING MSE WALL CROSS SECTION (C503) NOT TO SCALE



 $\backslash \text{C503}$ NOT TO SCALE

Engineering Corporation 1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342

IN PROGRESS NOT FOR CONSTRUCTION

Kiowa Engineering Corporation Date

For and on Behalf of

20' APART.

Sheet Revisions

Sheet Revisions	90% BID SET	ROCK ISLAND TRAIL Sand Creek to Constitution Avenue TYPICAL HANDRAIL & FENCE DETAILS		Kiowa Proj. No. 1602
	No Revisions:			TAP M240-162
	Revised:	Designer: RNW		SubAcct No. 20391
	Void:	Detailer: RNW Date: 08/06/2024		Sheet Number C503

