

THIS AGREEMENT is by and between City of Salida ("Owner") and Lowry Contracting, Inc. ("Contractor").

00520-1

extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. Substantial Completion: Contractor shall pay Owner \$(0.1% of Base Bid Amount) for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.

#### **4.04 Special Damages**

- A. In addition to the amount provided for liquidated damages, Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.
- B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

### **ARTICLE 5 – CONTRACT PRICE**

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts that follow, subject to adjustment under the Contract:

- A. For all Work, at the unit prices stated in Contractor's Bid, attached hereto as an exhibit.

### **ARTICLE 6 – PAYMENT PROCEDURES**

#### **6.01 Submittal and Processing of Payments**

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

#### **6.02 Progress Payments; Retainage**

- A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the 10th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work

based on the number of units completed) or, in the event, there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract

- a. 90 percent of Work completed (with the balance being retainage).

- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 100 percent of the Work completed.

#### **6.03 Final Payment**

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price as recommended by Engineer.

### **ARTICLE 7 – INTEREST**

- 7.01 All amounts not paid when due shall bear interest at the rate of 3 percent per annum.

### **ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS**

- 8.01 In order to induce Owner to enter into this Contract, Contractor makes the following representations:

- A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
  - B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  - C. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
  - D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
  - E. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.

- F. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
- G. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- J. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

## **ARTICLE 9 – CONTRACT DOCUMENTS**

### **9.01 Contents**

- A. The Contract Documents consist of the following:
  - 1. This Agreement
  - 2. Drawings
  - 3. Addenda(s)
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

## **ARTICLE 10 – MISCELLANEOUS**

### **10.01 Terms**

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### **10.02 Assignment of Contract**

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

#### *10.03 Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

#### *10.04 Severability*

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

#### *10.05 Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
  - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
  - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
  - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

**Page Intentionally left blank**

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on                      (which is the Effective Date of the Contract).

OWNER:

CONTRACTOR:

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_  
\_\_\_\_\_

Title: \_\_\_\_\_  
\_\_\_\_\_

*(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest: \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Address for giving notices: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

License No.: \_\_\_\_\_

*(where applicable)*

# **OPINION OF PROBABLE CONSTRUCTION QUANTITIES**

**SALIDA SCOUT WAVE ENHANCEMENT 2022**

Bid Item No.	Spec Reference	Item	Description	Quantity	Unit	Unit Price	Cost
<b>Scout Wave</b>							
1	700S	MOBILIZATION	Equipment access. Staging. Construction fencing and signage. Silt Fence.	1	LS	\$4,000	\$4,000
3	SP14	TREE REMOVAL	Remove 2 trees of approx. 30" diam.	1	LS	1,500	1,500
4	SP1	WATER CONTROL AND DEWATERING	Cofferdams. Water diversion around work site. Pumping. Care of water. Type III turbidity curtain.	1	LS	15,000	15,000
5	SP22	DEMOLITION AND REMOVAL	Demo and remove existing instream grouted rock structure. Re-use rock.	1	LS	7,900	7,900
6	SP10	REINFORCED CONCRETE SLAB	Min. 1' thick reinforced concrete with non-linear slope and radii.	26	CY	1,362	35,412
7	SP11	REINFORCED CONCRETE WALLS	1' thick reinforced wall. Height varies.	5	CY	1,682	8,410
8	SP4	STONE SUBGRADE (6")	Slab subgrade. Wing subgrade.	170	CY	106	18,020
9	SP5	GROUTED STONE BOULDERS (2'X3'X3' MIN)	Wings and current deflector.	180	CY	75	13,500
10	SP5	RESET EXISTING BOULDERS AND GROUT	Reset existing ungrouted wing boulders to new elevations. Grout.	110	CY	125	13,750
11		CONCRETE CURB WALL	Concrete wall. Formed on one side. No reinforcement. Max height 4 feet.	1224	CY	749	17,976
12	SP17	FISH PASSAGE BOULDERS (UNGROUTED)		12	CY	250	3,000
13	SP3	UNGROUTED RIPRAP (18")	Scour Protection.	110	CY	140	15,400
14	SP3	UNGROUTED RIPRAP (18")	Rework existing riverbed material and add 18" riprap to specified elevations.	70	CY	140	9,800
15	SP13	MISCELLANEOUS EQUIPMENT HOURS		20	HR	250	5,000

**SCOUT WAVE SUB-TOTAL \$168,668**
**Boat Ramp**

16		EXCAVATION		60	CY	21	1,260
17		UNGROUTED STONE		30	CY	145	4,350
18		6" THICK GRAVEL ROAD BASE		170	SY	14	2,380

**BOAT RAMP SUB-TOTAL \$ 7,990**
**GRAND TOTAL \$176,658**
**Notes:**

**LOWRY CONTRACTING, INC.**  
 7693 US HWY 285  
 SALIDA, COLORADO 81201

Submitted by Larry Sherwood 6/28/2022



CITY OF SALIDA COLORADO

# SALIDA SCOUT WAVE IMPROVEMENTS

90% DESIGN  
MAY 20, 2022



COLORADO ONE-CALL IS THE UNDERGROUND UTILITY NOTIFICATION CENTER FOR THE STATE OF COLORADO. THROUGH THIS FACILITY, CONTRACTORS CAN NOTIFY OPERATORS OF UNDERGROUND FACILITIES OF PROPOSED EXCAVATIONS TO REQUEST THAT THE UNDERGROUND FACILITIES BE MARKED BEFORE YOU DIG. CONTRACTORS WHO ENGAGES IN ANY TYPE OF EXCAVATION ARE REQUIRED TO CONTACT COLORADO ONE-CALL AND PROVIDE ADVANCED NOTICE.

CONTRACTOR MUST CALL THE 811 HOTLINE OR 800-922-1987 AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING EXCAVATION. THE HOTLINE OPERATOR WILL NOTIFY LOCAL UTILITIES OF THE DIG LOCATION, AND UTILITY REPRESENTATIVES WILL MARK UNDERGROUND UTILITIES WITH PAINT OR FLAGS. PRIVATE PROPERTY UTILITY LINES WILL NOT BE LOCATED BY THE REPRESENTATIVE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES FROM DAMAGE.

PROJECT:

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES BUT IS NOT LIMITED TO THE REMOVAL AND REPLACEMENT OF LARGE GROUTED BOULDERS, CONCRETE, AND NATIVE COBBLE ARMORING AT, ADJACENT TO, AND APPURTENANT TO AN EXISTING RIVER STRUCTURE. THIS AGING RIVER STRUCTURE IS A POPULAR TAKE-OUT AND DESTINATION FOR RIVER RECREATIONALISTS IN THE CITY OF SALIDA AND IS SCHEDULED FOR REPAIR/IMPROVEMENT. A CHANNEL GRADE CONTROL MATTRESS COMPOSED OF RIPRAP AND NATIVE COBBLE AS WELL AS A CURRENT DEFLECTOR COMPOSED OF LARGE GROUTED BOULDERS IS ALSO PROPOSED AS PART OF THIS STRUCTURE MAINTENANCE PROJECT. THE EXISTING STRUCTURE WILL BE REPAIRED AT THE SAME LOCATION AS EXISTING WITH THE SAME MATERIALS. A LOW FLOW CONDITION FISHWAY WILL BE ADDED AS PART OF THE STRUCTURE REPAIR/IMPROVEMENT AND RIVER ACCESS REESTABLISHED WITH THE ADJACENT EXISTING RIVER TRAIL. A TEMPORARY BOAT RAMP IS ALSO PROPOSED ON THE NORTH BANK OF THE RIVER UPSTREAM OF THE STRUCTURE MAINTENANCE.

PROJECT LOCATION:

LATITUDE: 38°32'11.7"N  
LONGITUDE: 105°59'20.0"W

CHAFFEE COUNTY



VICINITY MAP



SCOUT WAVE SITE PLAN

SHEET INDEX:

- 01 COVER SHEET
- 02 EXISTING CONDITIONS
- 03 STAGING ACCESS & ESC
- 04 PROPOSED STRUCTURE 1
- 05 PROPOSED STRUCTURE 2
- 06 STRUCTURE PROFILE
- 07 STRUCTURE CROSS SECTIONS
- 08 STRUCTURE DETAILS 1
- 09 STRUCTURE DETAILS 2
- 10 GRADE CONTROL MATTRESS DETAILS
- 11 DEWATERING TYPICAL
- 12 BOAT RAMP

PROJECT OWNER:

CITY OF SALIDA COLORADO  
448 E. FIRST STREET, SUITE 112  
SALIDA, COLORADO 81201

LEGEND:

- EXISTING NATIVE ARMORING
- EXISTING GROUTED BOULDER STRUCTURES
- EXISTING CONCRETE STRUCTURES
- PROPOSED NATIVE ARMORING
- PROPOSED GROUTED BOULDER STRUCTURE
- PROPOSED CONCRETE STRUCTURES

ABBREVIATIONS:

- AVG AVERAGE
- DTL DETAIL
- E EAST
- ELEV ELEVATION
- FT FEET
- IN INCHES
- MAX MAXIMUM
- MIN MINIMUM
- N NORTH
- NTS NOT TO SCALE
- OC ON CENTER
- OHWM ORDINARY HIGH WATER MARK
- SHT SHEET
- STA STATION
- STD STANDARD
- TYP TYPICAL

PRELIMINARY - NOT FOR CONSTRUCTION

FOR REVIEW  
NOT FOR CONSTRUCTION



RECREATION ENGINEERING  
AND PLANNING  
485 ARAPAHOE AVE.  
BOULDER, CO 80302  
WWW.BOATERPARKS.COM

DRAFT

PROJECT OWNER:

CITY OF SALIDA  
448 E. FIRST STREET  
SUITE 112  
SALIDA, CO 81201

SALIDA SCOUT WAVE IMPROVEMENTS

SALIDA, COLORADO

ARKANSAS RIVER

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COVER SHEET

REVISIONS:

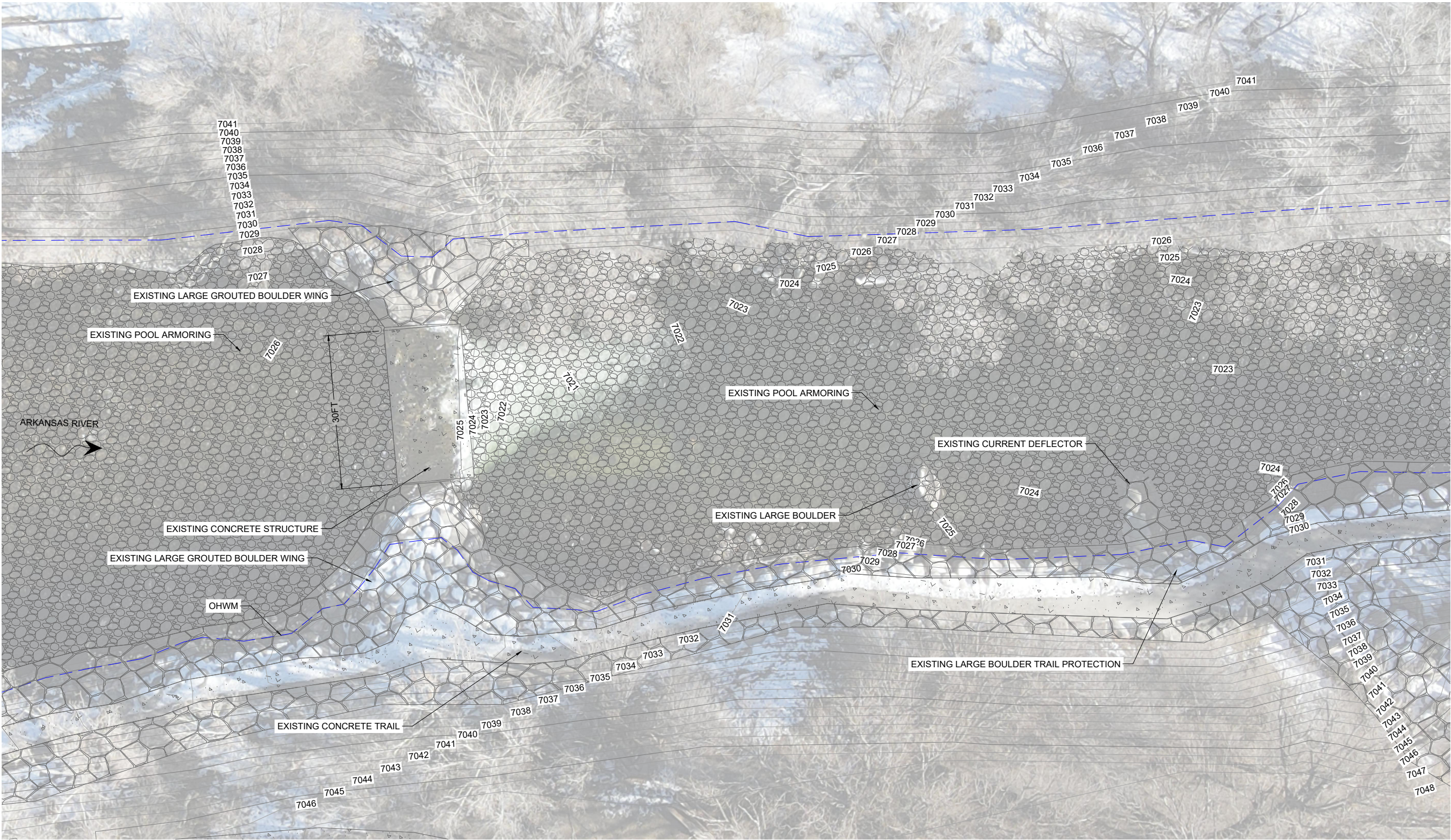
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PLOT DATE: 5/20/2022

DRAWING NO.

01





**SCOUT WAVE EXISTING CONDITIONS PLAN VIEW**

SURVEY COMPLETED BY SYDNEY A. SCHIEREN OF LANDMARK SURVEYING & MAPPING, 202 N F ST, SALIDA, CO 81201 ON APRIL 14, 2021

HORIZONTAL COORDINATE SYSTEM: NAD83 COLORADO STATE PLANES, CENTRAL ZONE, US FOOT  
VERTICAL DATUM: NAVD88

AIR IMAGERY CAPTURED JANUARY 31, 2021 WITH DJI MAVIC AIR 2



**HATCH LEGEND**



EXISTING GROUTED BOULDER STRUCTURES



EXISTING CONCRETE STRUCTURES



EXISTING NATIVE ARMORING



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**SALIDA SCOUT WAVE IMPROVEMENTS**

ARKANSAS RIVER  
SALIDA, COLORADO

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**EXISTING CONDITIONS**

**REVISIONS:**

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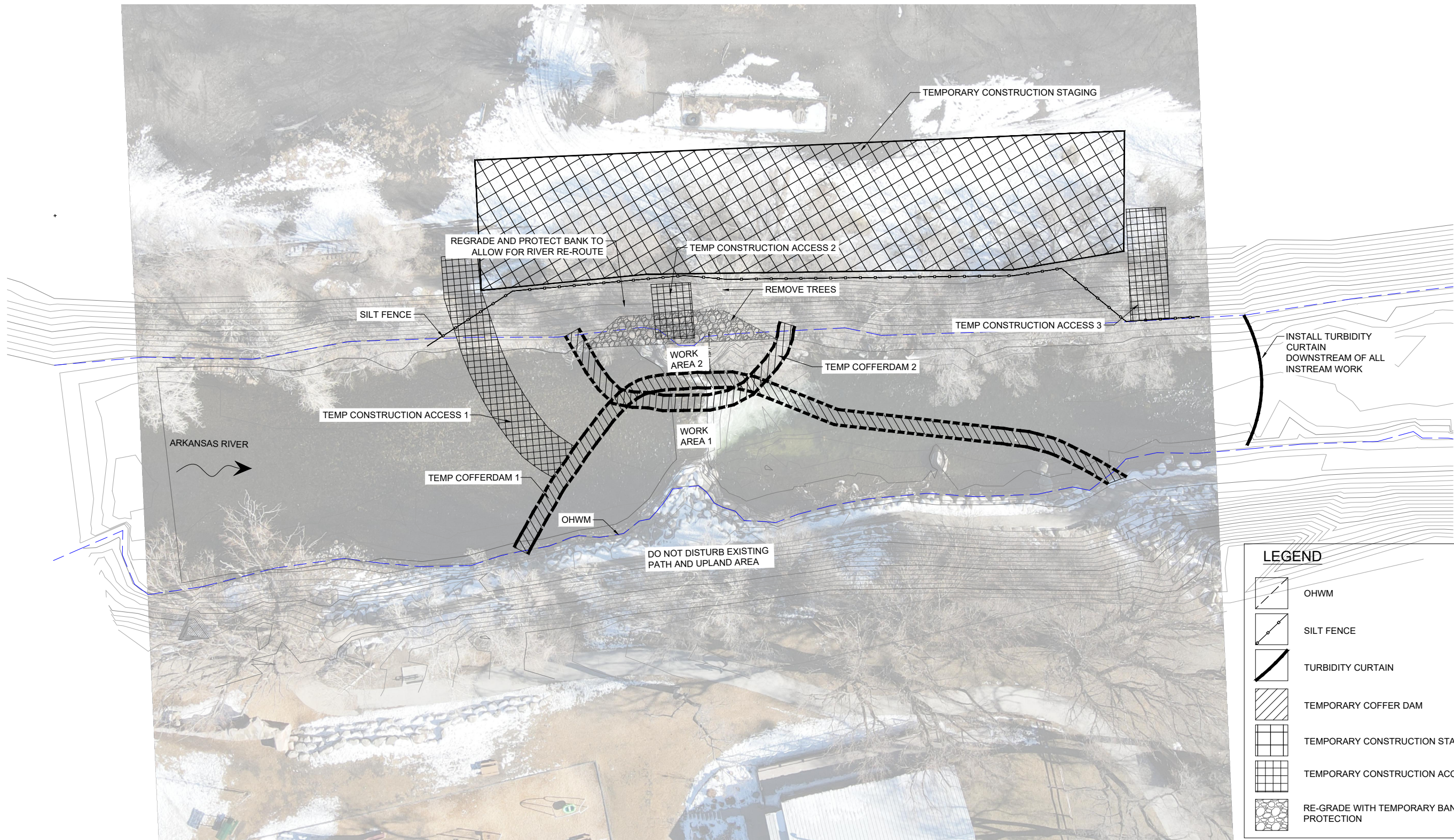
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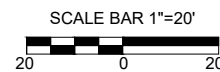
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**02**





STAGING, ACCESS, AND EROSION & SEDIMENT CONTROL



NOTES:

THE DEWATER PROCEDURE WILL INVOLVE TWO STAGES. COFFER DAM 1 WILL BE CONSTRUCTED AND WATER WILL BE DIVERTED THROUGH WORK AREA 2. AFTER WORK IS COMPLETED IN WORK AREA 1, COFFER DAM 1 WILL BE REMOVED. THEN COFFER DAM 2 WILL BE CONSTRUCTED AND THE WATER WILL BE DIVERTED THROUGH WORK AREA 1.



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STAGING ACCESS & ESC

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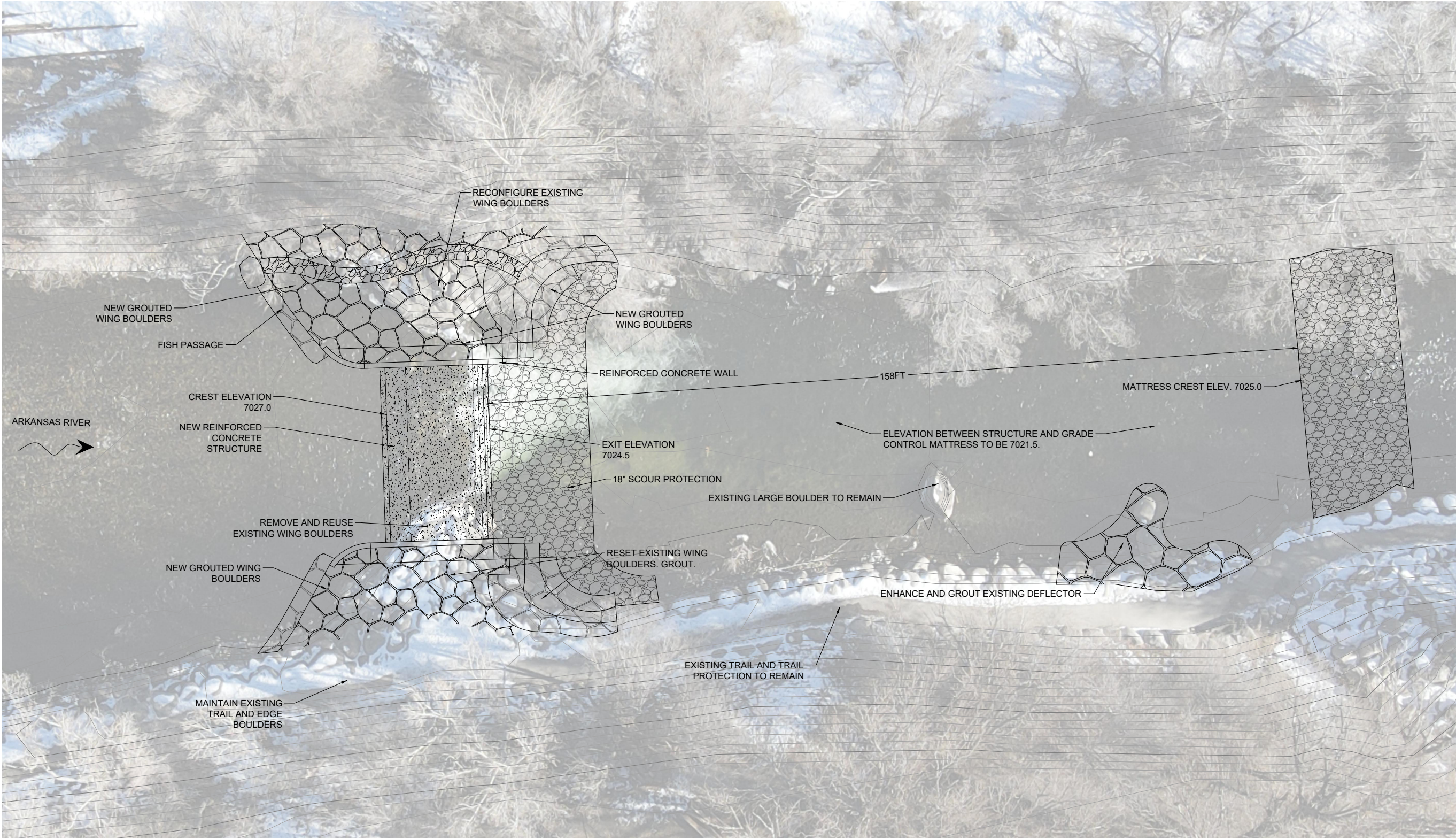
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03

SHEET 03 OF 11





SCOUT WAVE PLAN VIEW



HATCH LEGEND	
	PROPOSED GROUTED BOULDER STRUCTURES
	PROPOSED CONCRETE STRUCTURES
	PROPOSED RIPRAP



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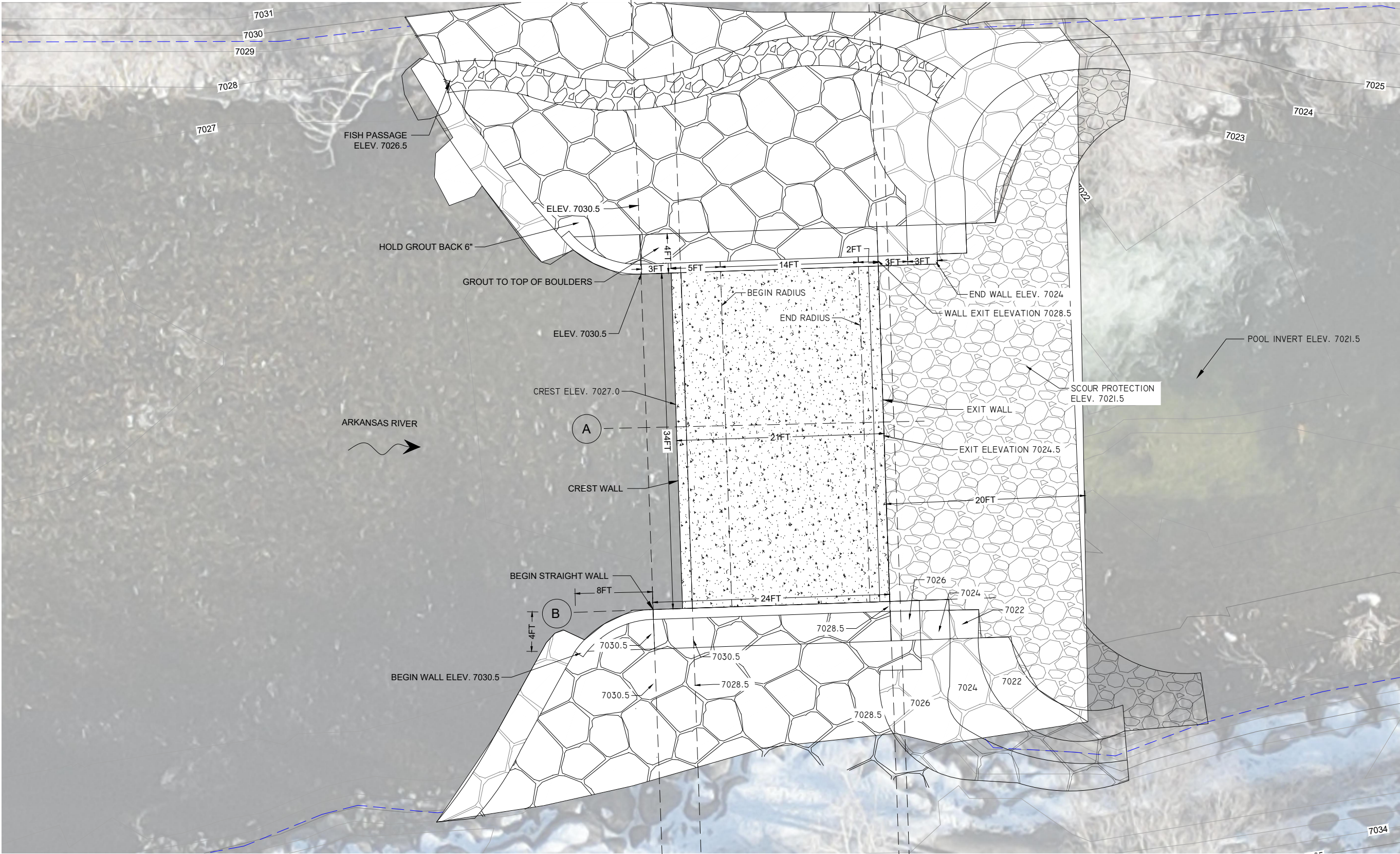
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SALIDA SCOUT WAVE IMPROVEMENTS  
ARKANSAS RIVER  
SALIDA, COLORADO  
PRELIMINARY - NOT FOR CONSTRUCTION  
PROPOSED STRUCTURE

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PLOT DATE:	5/20/2022

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04  
  
SHEET 04 OF 11





SCOUT WAVE PLAN VIEW

NOTE:  
CONCRETE WALL AND GROUTED ROCK WINGS ON BOTH SIDES OF THE DROP  
STRUCTURE MIRROR ONE ANOTHER WITH THE SAME ELEVATIONS AND GEOMETRY.  
DIMENSIONS AND GEOMETRY LABELED ON ONE SIDE ONLY FOR CLARITY IN SOME  
INSTANCES.



HATCH LEGEND	
	PROPOSED GROUTED BOULDER STRUCTURES
	PROPOSED CONCRETE STRUCTURES
	PROPOSED SCOUR PROTECTION



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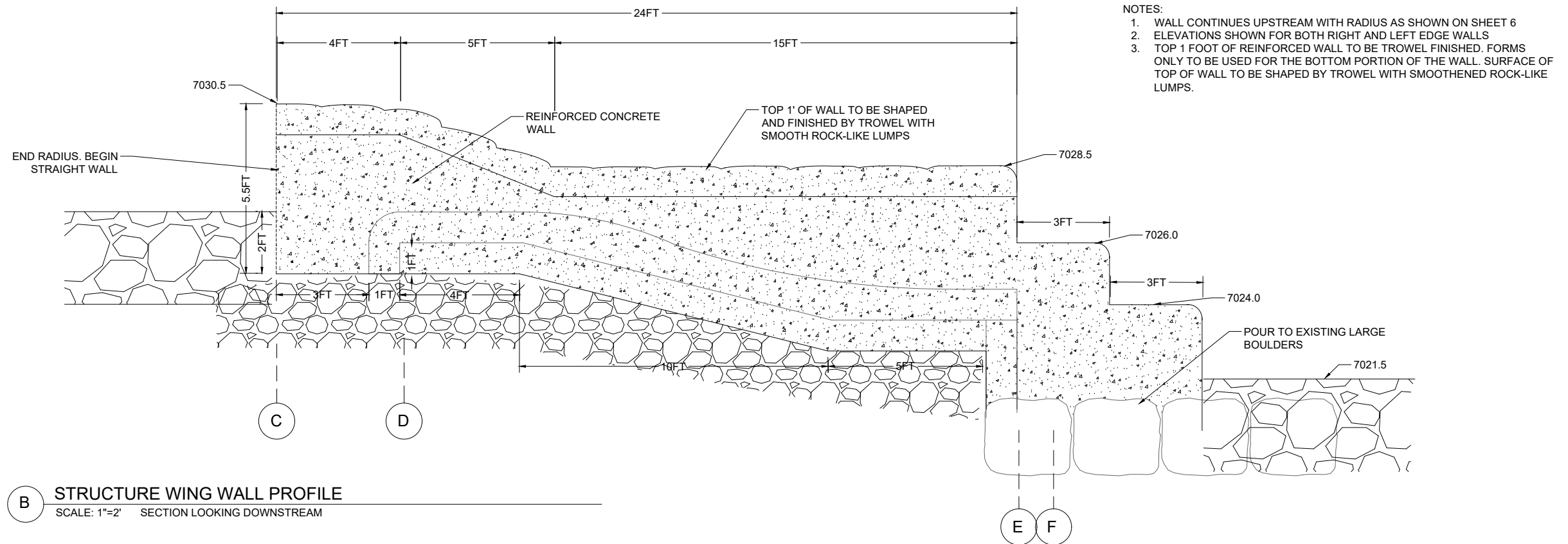
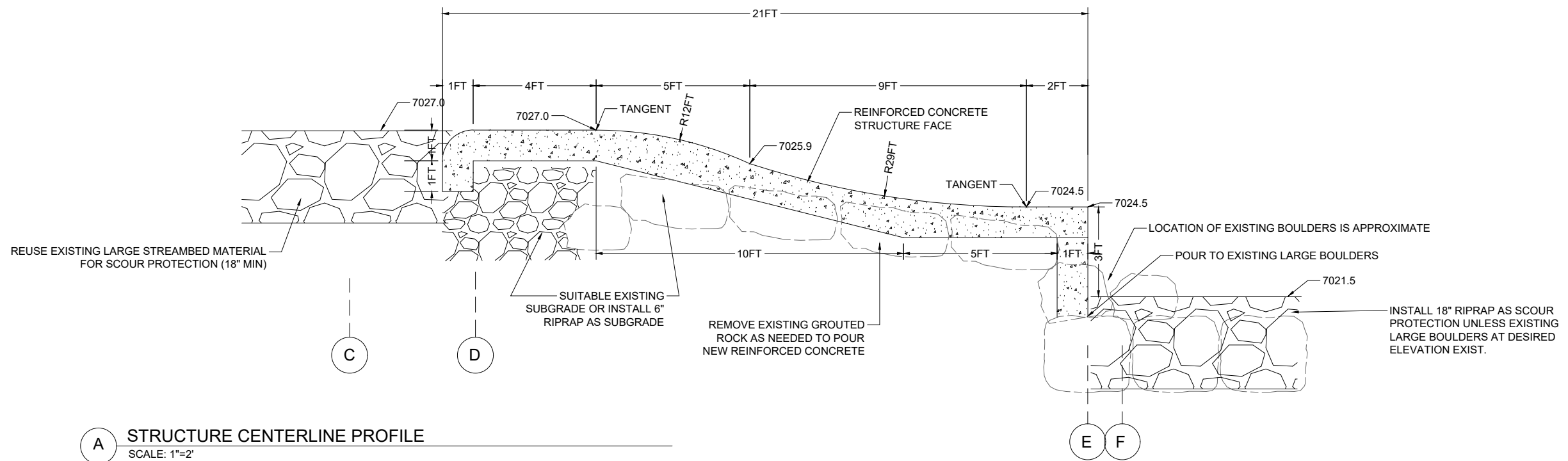
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ARKANSAS RIVER  
SALIDA, COLORADO  
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PROPOSED STRUCTURE

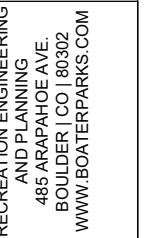
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SHEET 05 OF 11



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SUITE 112  
SALIDA, CO 81201

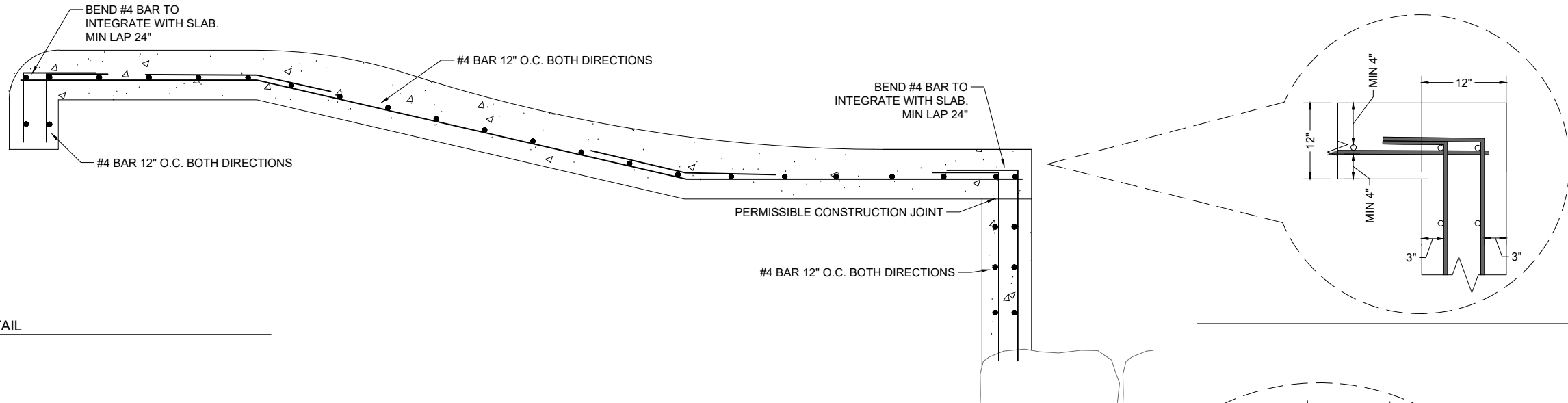
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 STRUCTURE CROSS SECTIONS

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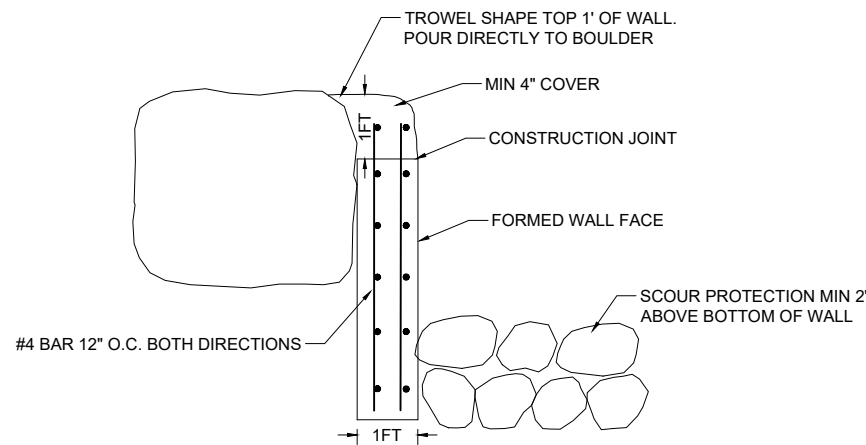
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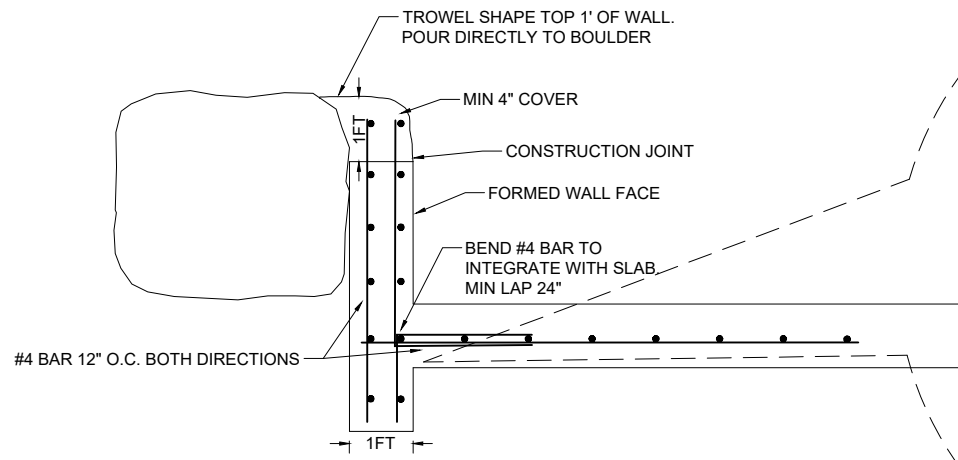
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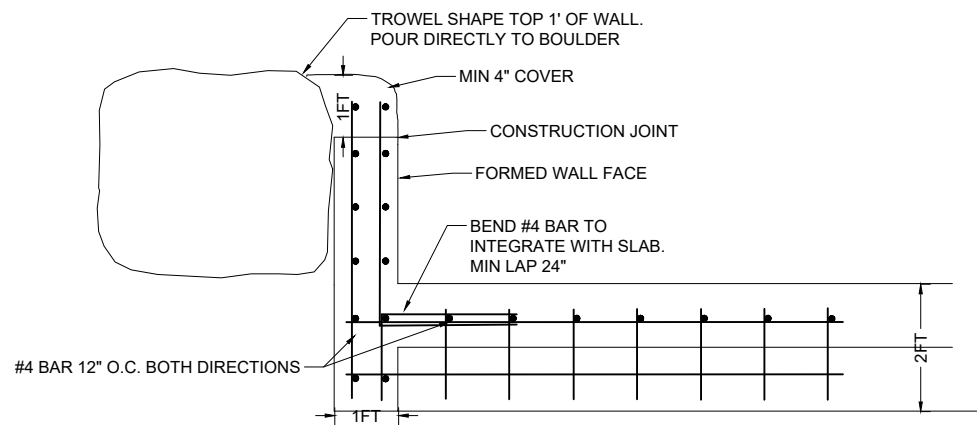
STRUCTURE DETAIL  
NTS



WING WALL UPSTREAM OF CREST DETAIL  
NTS

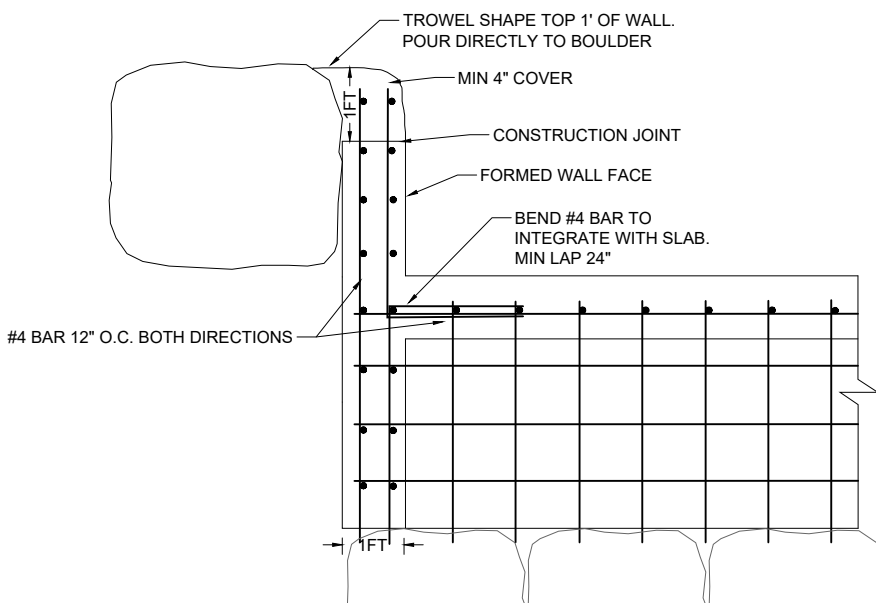


WING WALL DETAIL  
NTS



WING WALL AT CREST DETAIL  
NTS

NOTES:  
POUR TOP 1' OF WALL DIRECTLY TO ADJACENT BOULDERS.  
TOP OF WALL CONCRETE TO EXTEND MIN. 6" INTO VOIDS BETWEEN BOULDERS.  
GROUT ALL WING BOULDERS AFTER WALL COMPLETION



WING WALL AT EXIT DETAIL  
NTS

WING WALL CONSTRUCTION SEQUENCE

1. FORM, REINFORCE, POUR, AND CURE LOWER PORTION OF WALL
2. SET BOULDERS TIGHT TO THE LOWER PORTION OF WALL. SET TOP OF BOULDER 1' ABOVE TOP OF FORMED WALL.
3. POUR AND TROWEL-SHAPE TOP 1' OF WALL. POUR DIRECTLY TO ADJACENT BOULDERS. TOP OF WALL TO HAVE SMOOTHENED BOULDER-LIKE LUMPS.



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SALIDA SCOUT WAVE IMPROVEMENTS

ARKANSAS RIVER SALIDA, COLORADO

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PROPOSED STRUCTURE DETAILS

REVISIONS:

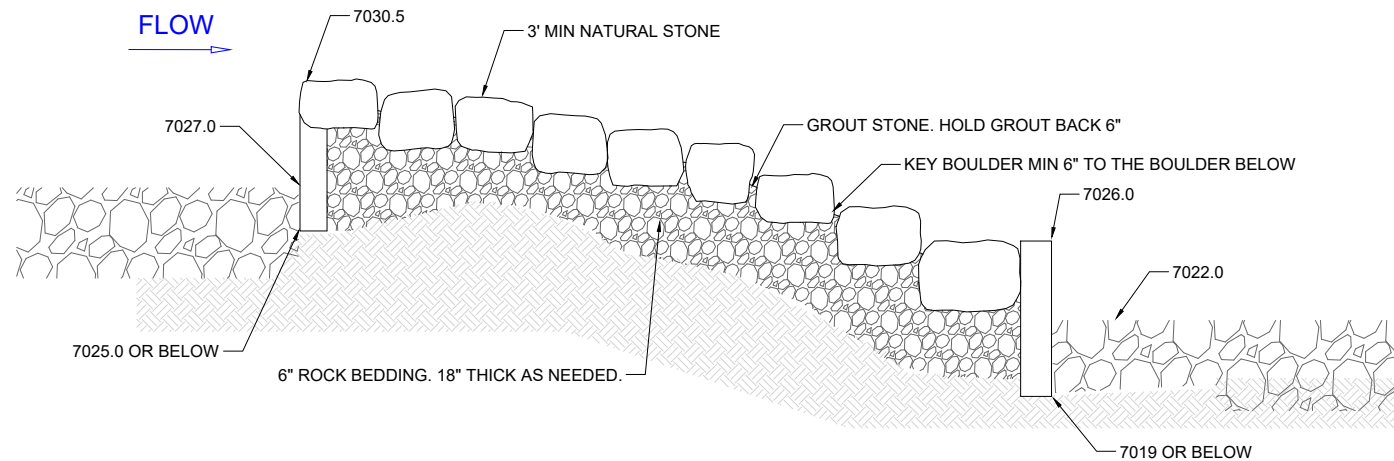
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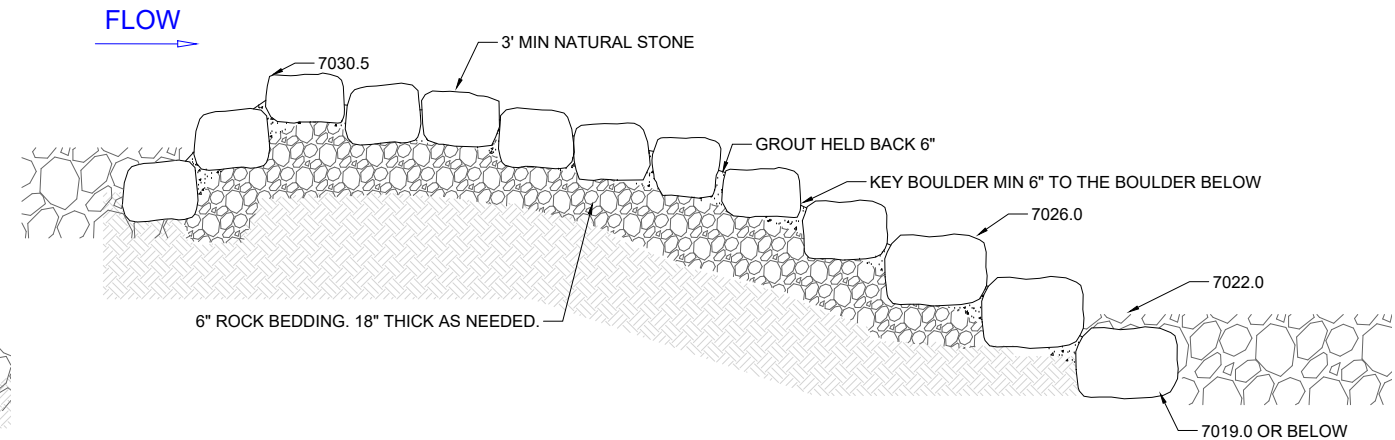
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SHEET 08 OF 11

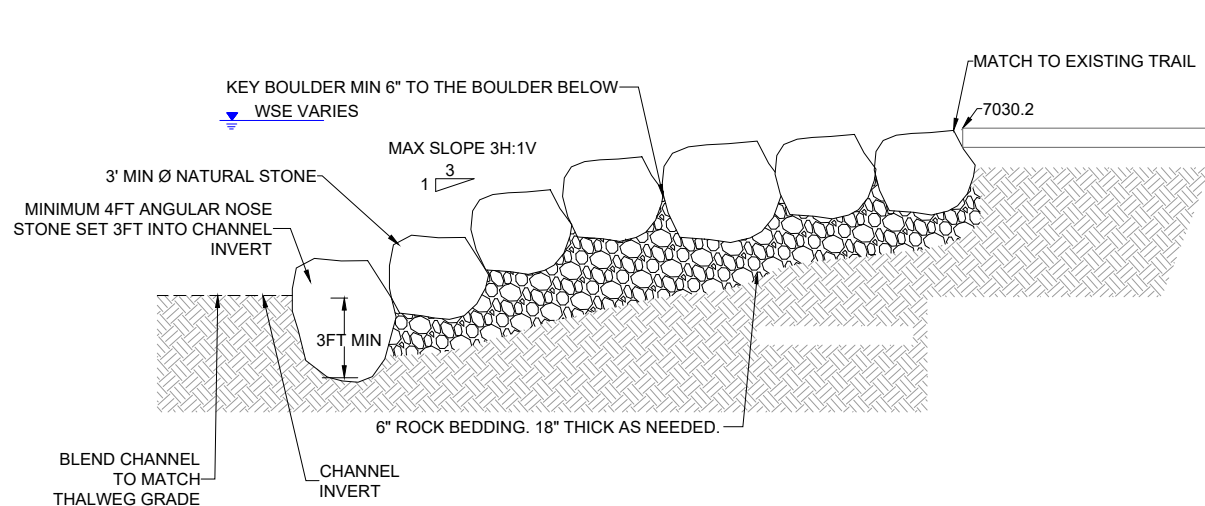
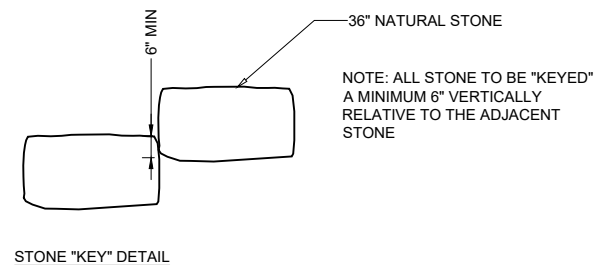




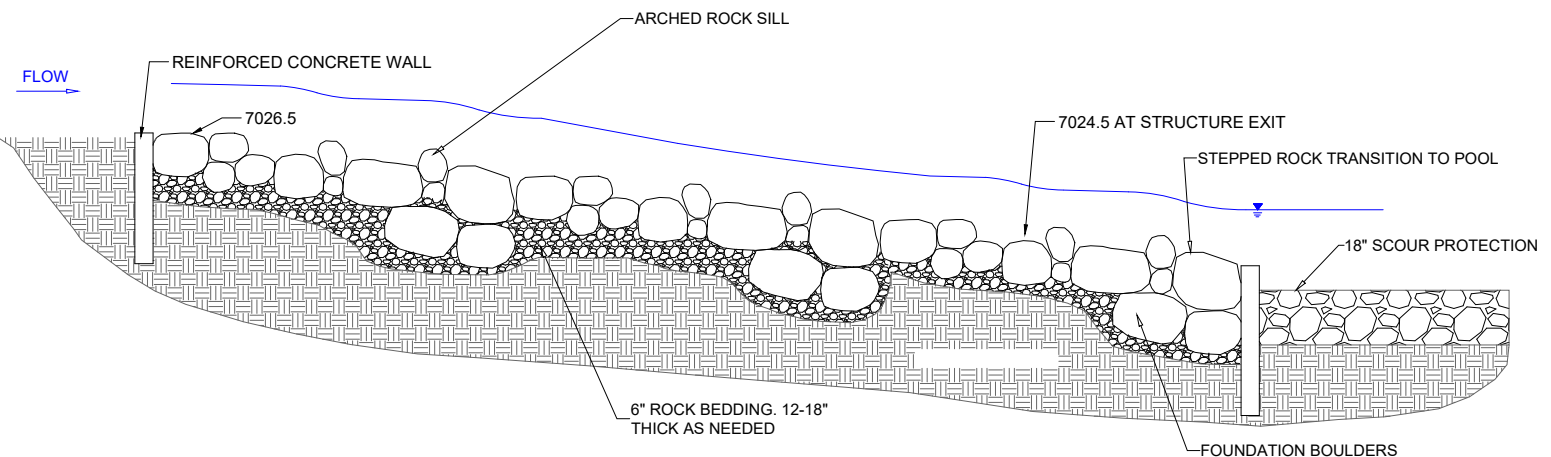
GRouted ROCK WING W/ WING WALL PROFILE  
NTS



GRouted ROCK WING PROFILE  
SCALE: NTS



PROFILE OF ROCK IN CURRENT DEFLECTOR  
SCALE: NTS



FISH PASSAGE PROFILE  
NTS



RECREATION ENGINEERING  
AND PLANNING  
485 ARAPAHOE AVE.  
BOULDER, CO 80302  
WWW.BOATERPARKS.COM

DRAFT

PROJECT OWNER:  
CITY OF SALIDA  
448 E. FIRST STREET  
SUITE 112  
SALIDA, CO 81201

SALIDA SCOUT WAVE IMPROVEMENTS  
ARKANSAS RIVER  
SALIDA, COLORADO

PRELIMINARY - NOT FOR CONSTRUCTION

PROPOSED STRUCTURE DETAILS

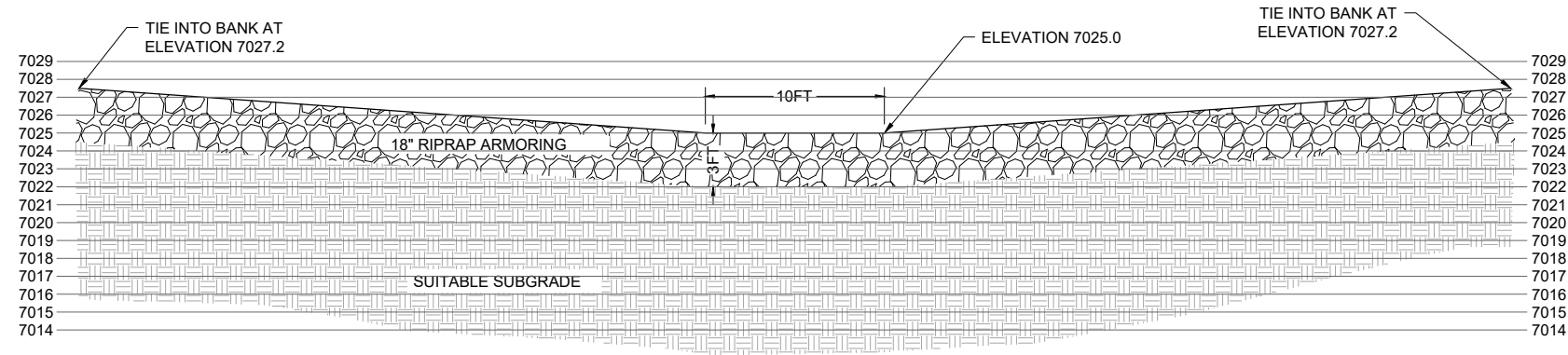
REVISIONS:

NO.	DATE
DESIGNED:	MH
CHECKED:	XX
DRAFTED:	SL
PLOT DATE:	5/20/2022

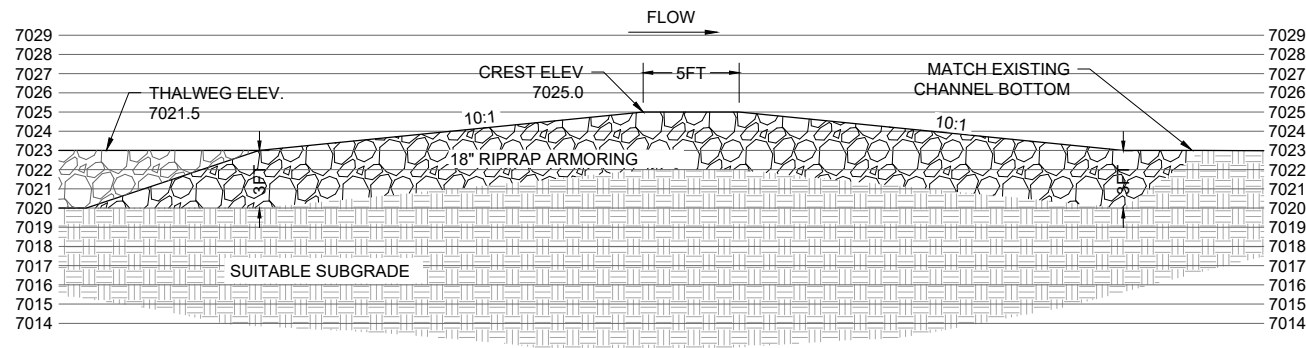
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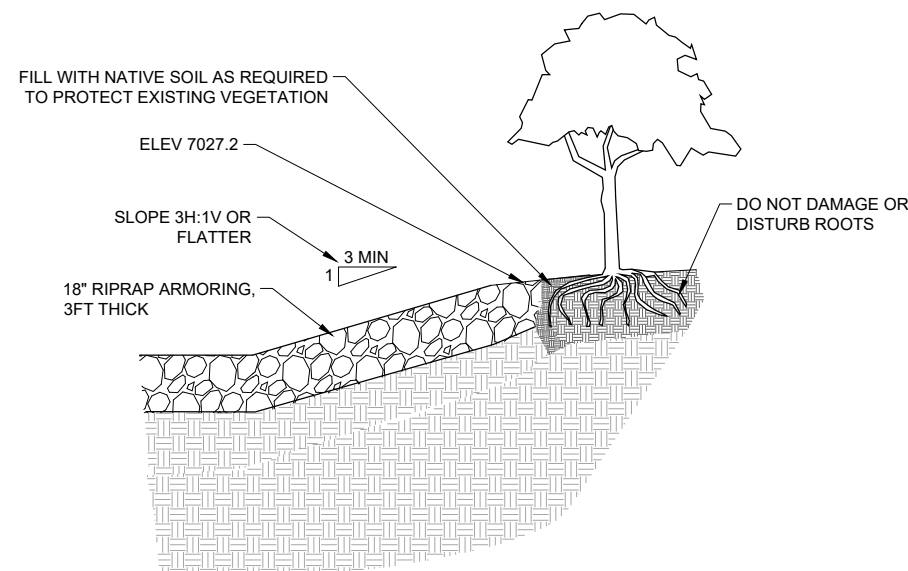
SHEET 09 OF 11



TAILOUT MATTRESS CREST SECTION



TAILOUT MATTRESS & PROFILE



ARMORING AT BANK

NTS



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MATTRESS DETAILS

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CHECKED: XX

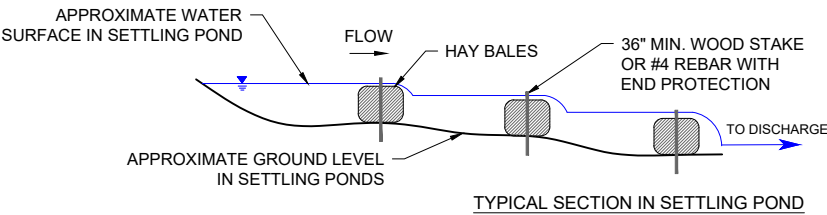
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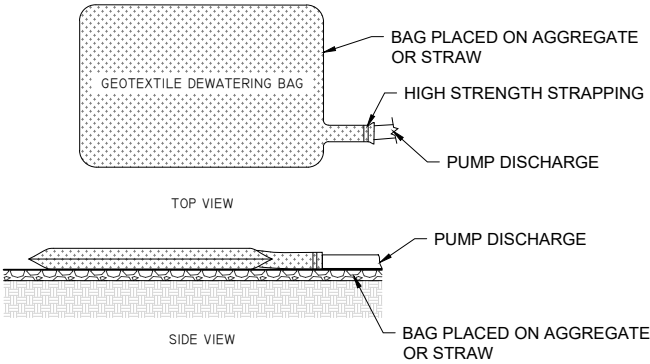
SHEET 10 OF 11

CARE OF PUMPED WATER OPTIONS



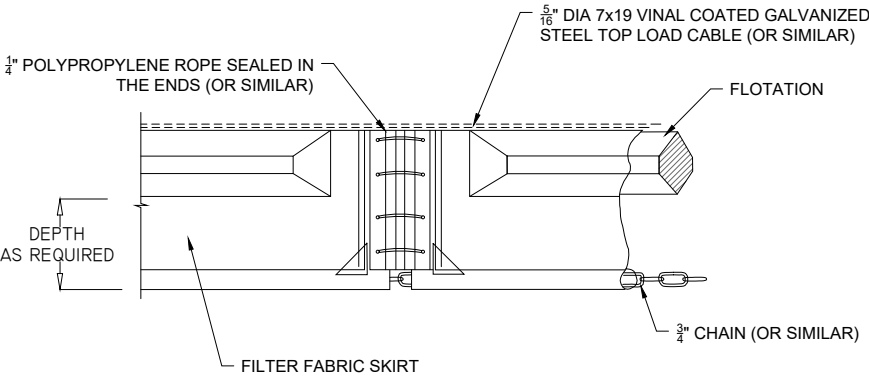
NOTE: SCHEMATIC LAYOUT TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL LAYOUT TO BE DETERMINED BY CONTRACTOR, PER PERMIT CONDITIONS.

SETTLING POND OPTION



NOTE: SCHEMATIC LAYOUT TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL LAYOUT AND BAG SIZING TO BE DETERMINED BY CONTRACTOR, PER PERMIT CONDITIONS.

GEOTEXTILE BAG OPTION

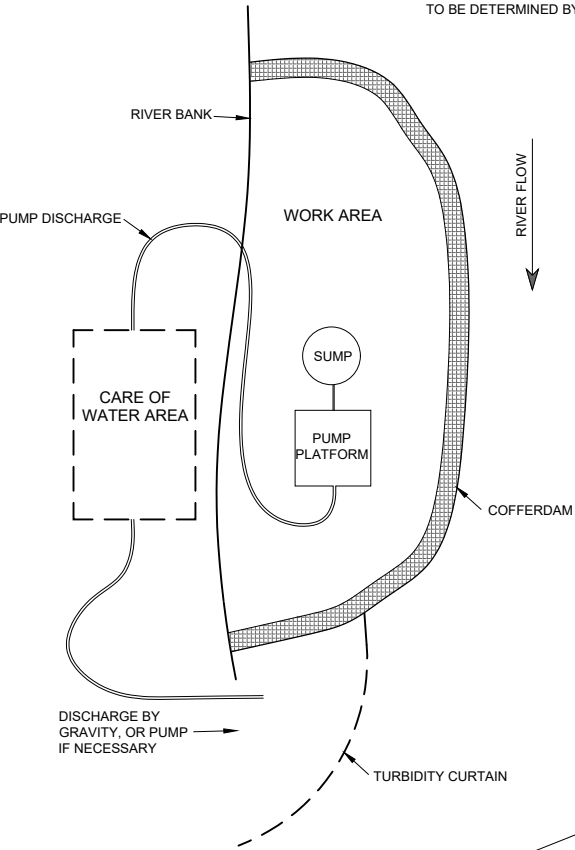


NOTE: SCHEMATIC DETAIL TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL DETAIL AND SIZING TO BE DETERMINED BY CONTRACTOR, PER PERMIT CONDITIONS.

TURBIDITY CURTAIN OPTION

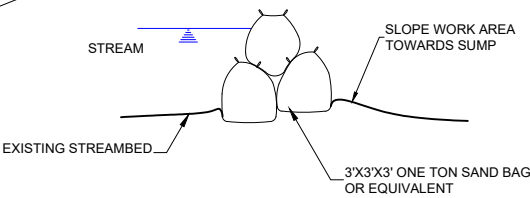
TYPICAL LAYOUT DEWATERING AREA

NOTE: SCHEMATIC LAYOUT TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL LAYOUT TO BE DETERMINED BY QUALIFIED CONTRACTOR, PER PERMIT CONDITIONS.

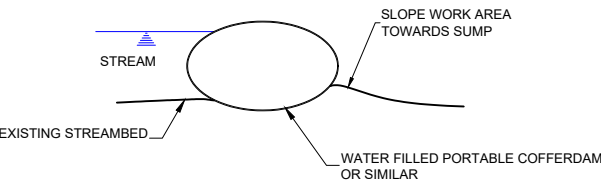


- DEWATERING NOTES:**
1. SUMPS CAN BE MADE FROM DIGGING A HOLE AND INSERTING A PERFORATED PIPE AND BACKFILLING WITH CLEAN DRAIN ROCK OR OTHER APPROVED METHOD.
  2. CARE OF PUMPED WATER SHALL BE BASED UPON SITE SPECIFICS AND QUALITY OF WATER. METHODS OF TURBIDITY CONTROL SHALL BE DETERMINED BY THE CONTRACTOR. SCHEMATIC ALTERNATIVES ARE IDENTIFIED BELOW. THE CONTRACTOR SHALL REDUCE THE TURBIDITY OF DISCHARGED WATER TO THE MAXIMUM EXTENT PRACTICABLE.
  3. UPON COMPLETION, GEOTEXTILE BAGS, VISQUENE, SETTLED FINES, AND ANY OTHER CARE OF WATER MATERIALS SHALL BE REMOVED AND DISPOSED OF OFFSITE BY THE CONTRACTOR.
  4. PUMP STATION SHALL BE ELEVATED. FUEL CONTAINMENT BMP'S SHALL BE ONSITE AT ALL TIMES.
  5. PUMP REMAINING WATER IN CONSTRUCTION AREA AS NECESSARY TO MANAGE GROUNDWATER AND LEAKAGE. ALL DISCHARGED WATER MUST BE ROUTED TO THE CARE OF WATER AREA AS NECESSARY PER PERMIT CONDITIONS.
  6. CONTRACTOR IS RESPONSIBLE FOR OWN SECURITY DURING CONSTRUCTION. ANY VANDALISM WILL BE CORRECTED AT CONTRACTOR'S OWN EXPENSE.
  7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE OF ALL WATER DURING CONSTRUCTION INCLUDING MAINTENANCE OF ALL DITCHES, COFFERDAMS, LEVEES, DIVERSIONS AND PUMPS TO KEEP THE WORK AREA FREE FROM WATER.
  8. DEWATERING PLAN DETAILS SHOWN HERE ARE ILLUSTRATIVE. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR IS TO COMPLETE AND SUBMIT A DEWATERING PLAN APPLICABLE TO THIS PROJECT.
  9. CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND DESIGN OF COFFERDAM. CONTRACTOR SHALL SUBMIT A PLAN FOR COFFERDAM INSTALLATION, RIVER DIVERSION AND EROSION CONTROL INCLUDING LOCATION, SIZE, HEIGHT, SEQUENCING AND TIMING OF EACH COMPONENT. COFFERDAMS OR FILLS FOR ACCESS AND PIPE EXTENSIONS AND MATTING AT END OF BYPASS PIPE EXTENSIONS AND CARE OF PUMPED WATER SHALL BE PLACED AND REMOVED IN A MANNER THAT PREVENTS EROSION OR RELEASE OF SEDIMENT.
  10. ALL COFFER DAM PLANS AND PIPE EXTENSIONS AND MATTING AT END OF BYPASS PIPE EXTENSIONS AND CARE OF PUMPED WATER SHALL BE PROVIDED DIRECTLY TO REP AND WILL BE REVIEWED BY THE ENGINEER AND APPROPRIATE PERMITTING AGENCIES.
  11. ALTERNATE COFFER DAM METHODS PRESENTED TO DESCRIBE FUNCTIONALITY ONLY. ACTUAL METHOD TO BE DETERMINED BY QUALIFIED CONTRACTOR, PER PERMIT CONDITIONS, IN ORDER TO ACHIEVE DRY WORK AREA.
  12. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DEWATERING AND COFFERDAMS DURING CONSTRUCTION. REPAIRS AND REPLACEMENTS DUE TO NATURAL CAUSES ARE AT THE SOLE EXPENSE OF THE CONTRACTOR.
  13. AFTER COMPLETION OF CONSTRUCTION, COFFERDAMS AND PIPE EXTENSIONS AND MATTING AT END OF BYPASS PIPE EXTENSIONS MUST BE COMPLETELY REMOVED AND RIVER BANK AREAS STABILIZED AND RESTORED.

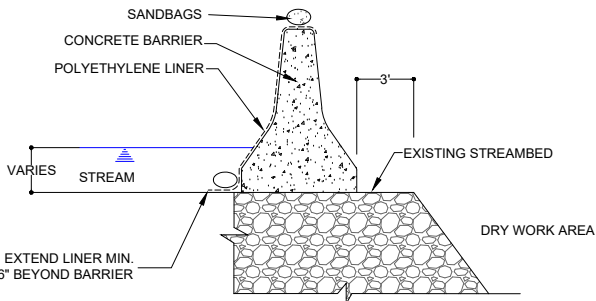
COFFERDAM OPTIONS



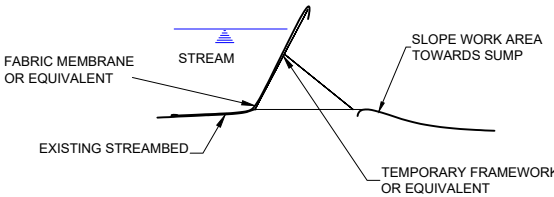
SUPERSACK OPTION



WATER FILLED OPTION



CONCRETE BARRIER OPTION



"PORTADAM" OPTION



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DEWATERING TYPICAL

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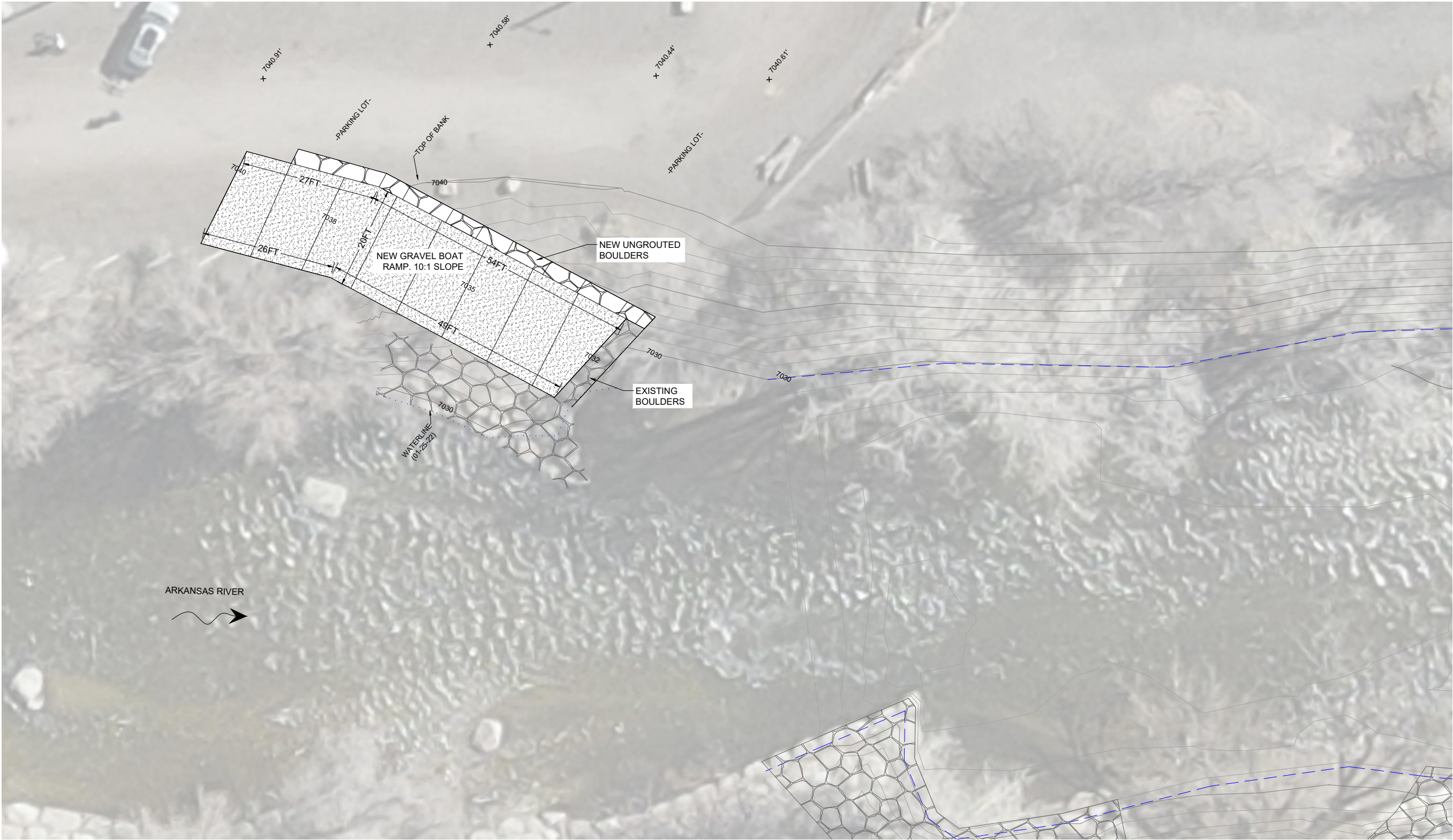
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PLOT DATE: 5/20/2022

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SHEET 11 OF 11





TEMPORARY BOAT RAMP PLAN VIEW

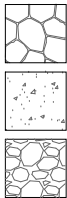
SURVEY COMPLETED BY SYDNEY A. SCHIEREN OF LANDMARK SURVEYING & MAPPING, 202 N F ST, SALIDA, CO 81201 ON JANUARY 25, 2022

HORIZONTAL COORDINATE SYSTEM: NAD83 COLORADO STATE PLANES, CENTRAL ZONE, US FOOT  
VERTICAL DATUM: NAVD88

AIR IMAGERY CAPTURED JANUARY 31, 2021 WITH DJI MAVIC AIR 2



HATCH LEGEND



EXISTING GROUTED BOULDER STRUCTURES

EXISTING CONCRETE STRUCTURES

EXISTING NATIVE ARMORING



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SHEET 12 OF 11