



**US Army Corps  
of Engineers®  
Albuquerque District  
Project**

## **PUBLIC NOTICE**

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Permit Application No.: SPA-2011-00198-SCO  
Project Name: Fountain Creek at El Pomar  
Utility Crossing Rehabilitation  
Applicant: Colorado Springs Utilities  
Waterway: Fountain Creek  
Public Notice Date: May 19, 2011  
Comment Due Date: June 3, 2011  
USACE Contact Phone: (719) 543-6914

---

Reply To:

Southern Colorado Regulatory Office  
US Army Corps of Engineers, Albuquerque District  
200 South Santa Fe Avenue, Suite 301  
Pueblo, Colorado 81003-4270

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### **PERMIT APPLICATION UNDER SECTION 404 OF THE CLEAN WATER ACT (33 USC 1344)**

Summary of Proposed Project: We are requesting public comment on the following project before the above comment due date. The application is for a permit to place dredged and fill material into waters of the U.S. associated with the construction of a grouted boulder grade control structure to protect an existing sanitary sewer line in Colorado Springs, Colorado. Details of the proposed project are provided below.

Name of Applicant: Colorado Springs Utility, 121 South Tejon Street, Fourth Floor, Post Office Box 1103, Mail Code 940, Colorado Springs, CO 80901.

Location: The project is located in Fountain Creek approximately half way between South Circle Drive and U.S. Highway 85 in Section 33, Township 14 South, Range 66 West, Colorado Springs, El Paso County, Colorado.

Description of Work: The project would involve the construction of a new grouted sloping boulder drop structure to protect an existing sanitary sewer crossing in Fountain Creek. The face of the structure would be constructed with a 4:1 slope, beginning at the downstream side of the sewer crossing and extending approximately 42 feet downstream from the centerline of the sewer crossing, approximately 22 feet of which would be installed below grade on the downstream end to prevent scouring of the streambed. The project would also include construction of an 8-foot-deep sheet pile cutoff wall keyed into the bedrock to prevent undercutting of the structure. The cutoff wall, approximately 137 feet wide, would be constructed near the upstream end of the drop structure immediately downstream of the sewer crossing. The cutoff wall would

## ***NEWS RELEASE***

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SPA-2011-00198-SCO.

include a 50-foot-wide low-flow notch. A fish passage would be constructed at an approximately 1% grade at the left-descending (east) bank to allow for mild velocities during normal flows. A large boulder rock vane with up to 72-inch-diameter boulders would be placed in the stream to encourage fish to utilize the feature. Temporary stream diversions would be constructed to allow flows to pass while the structure is under construction. The following are approximate amounts of fill that would be permanently placed below the OHWM:

- 182 cubic yards of Type M riprap for bank stabilization;
- 1,000 cubic yards of grouted boulders for the sloping portion of the structure, upstream approaches to the structure, and east bank protection; and
- 4.5 cubic yards of concrete and 1275 square feet of sheet pile for the upper and lower cutoff walls

The project would have approximately 0.67 acre of temporary and permanent impacts to waters of the U.S., including approximately 0.08 acre of abutting wetlands. Of the 0.67 acre, approximately 0.11 acre would be permanently lost as a result of grouted boulders associated with the drop structure and fish passage. A total of 190 linear feet of channel would be affected, with about 35 linear feet of permanent impacts by grouted boulders.

Purpose and Need: The stated purpose of this project is to protect an existing sanitary sewer line, which is under eminent threat of failure due to the degrading Fountain Creek stream channel.

Mitigation: Impacts to approximately 0.08 acre of abutting wetlands would be mitigated at a ratio of 1:1, including reestablishment of 0.08 acre of fringe wetlands within the project boundary. All areas disturbed during construction and temporary access, including uplands, would be revegetated using native seed mixes as appropriate for the areas disturbed. Weeds and other noxious plant species would be controlled until native communities are established.

Plans and Data: Drawings showing the location of the work site and other data are enclosed with this notice. If additional information is desired, it may be obtained from the applicant, or from:

Joshua G. Carpenter  
U.S. Army Corps of Engineers  
Southern Colorado Regulatory Office  
200 South Santa Fe Avenue, Suite 301  
Pueblo, CO 81003-4270  
(719) 543-6914  
Fax No. (719) 543-9475  
E-mail: [Joshua.G.Carpenter@usace.army.mil](mailto:Joshua.G.Carpenter@usace.army.mil)

Statement of Findings: The District Engineer has consulted the National Register of Historic Places and no properties listed in the Register are present at the site of the proposed construction. Consultation with the Colorado State Historic Preservation

## ***NEWS RELEASE***

Office (SHPO) has not revealed any pending nominations. This constitutes the extent of cultural resource investigations by the District Engineer. However, it is possible that presently unknown archeological, scientific, prehistoric, or historic data may be inadvertently lost or destroyed by the work accomplished under the requested permit. In the event that cultural resources are found, the SHPO will be contacted for advice on the appropriate action to be taken.

Our preliminary review indicates this project will not impact any threatened or endangered species or critical habitat.

The applicant has applied to the Colorado Department of Public Health and Environment for certification that this work is in compliance with applicable State water quality standards. The applicant is responsible for obtaining all other required Federal, state, and local authorizations for this work.

In accordance with environmental procedures and documentation required by the National Environmental Policy Act of 1969, an environmental assessment will be prepared for this project. Upon completion, the assessment may be seen at the U.S. Army Corps of Engineers, Albuquerque District Office, at the address given above.

Comment: Any comments concerning this project should be received by the District Engineer no later than June 3, 2011. Comments received after the end of the Public Notice comment period will not be considered. However, more time may be given if a request, with a valid reason, is received prior to the suspense date. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed below. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. The evaluation of the impact of this activity will include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act. All factors relevant to the proposal and the cumulative effects will be considered; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber

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production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

If the District Engineer determines that the project complies with the 404(b) (1) guidelines, he will grant the permit unless issuance would be contrary to the public interest.

Any person may request a public hearing. The request must be submitted, in writing, to the District Engineer within 15 days of the date of this notice and must clearly set forth the reasons for holding a public hearing.

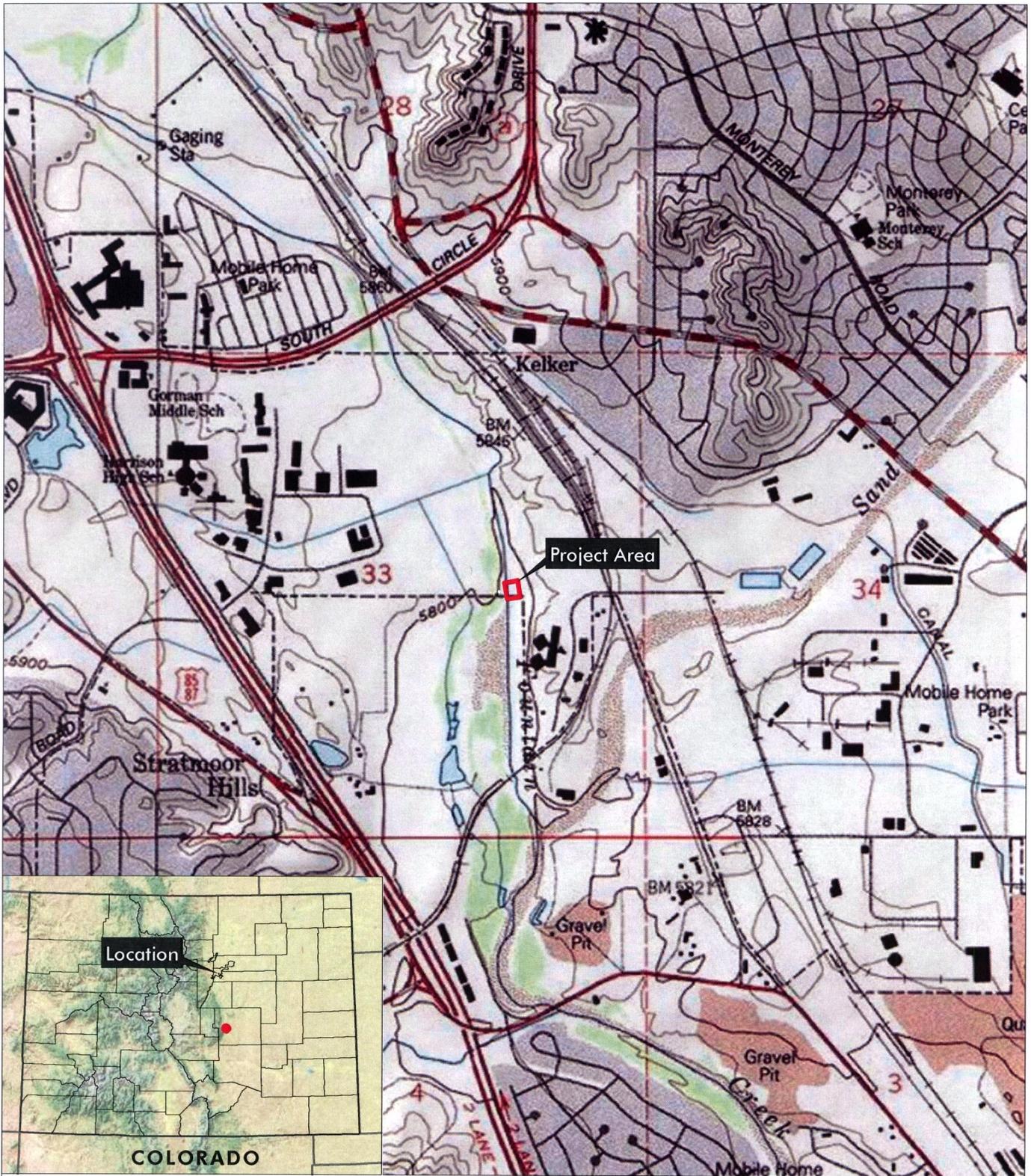
Jason D. Williams  
Lieutenant Colonel, U.S. Army  
District Commander

Enclosures

***NEWS RELEASE***

*CESPA-RD  
SPA-2011-00198-SCO.*

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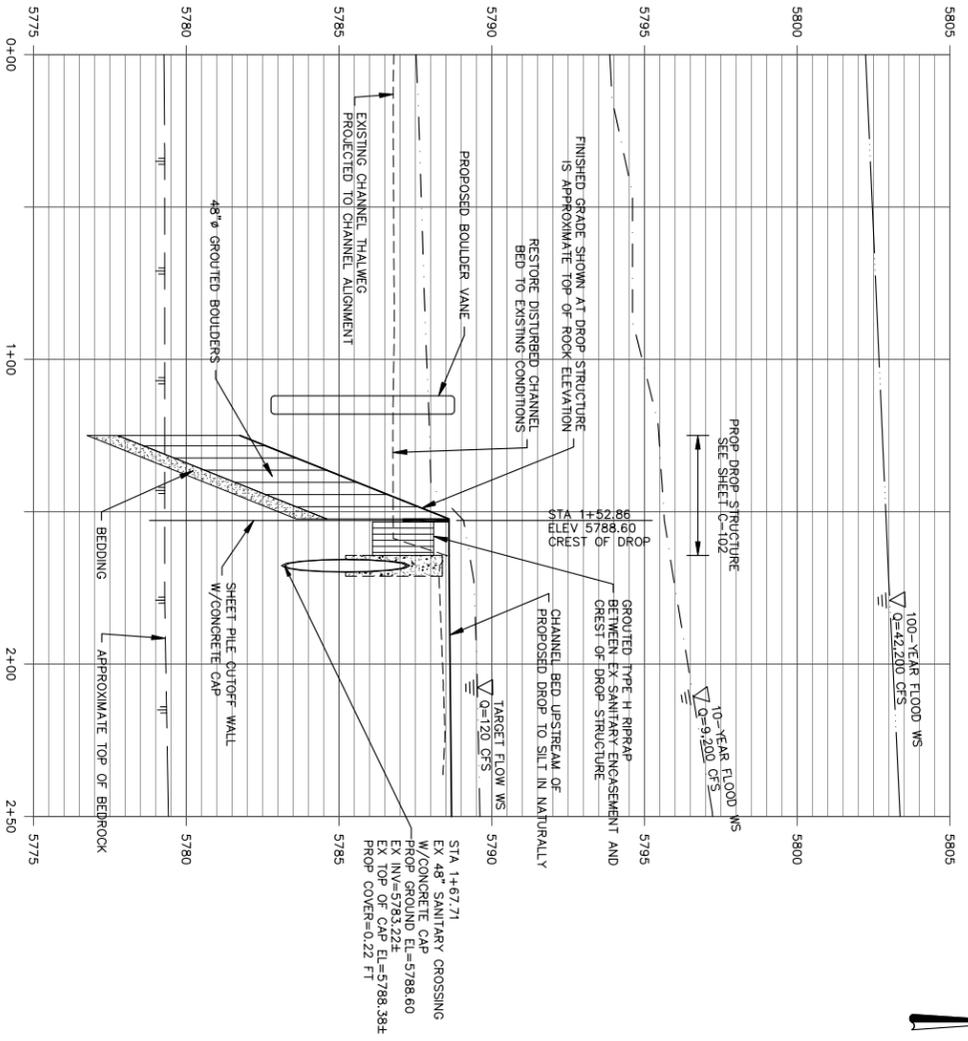
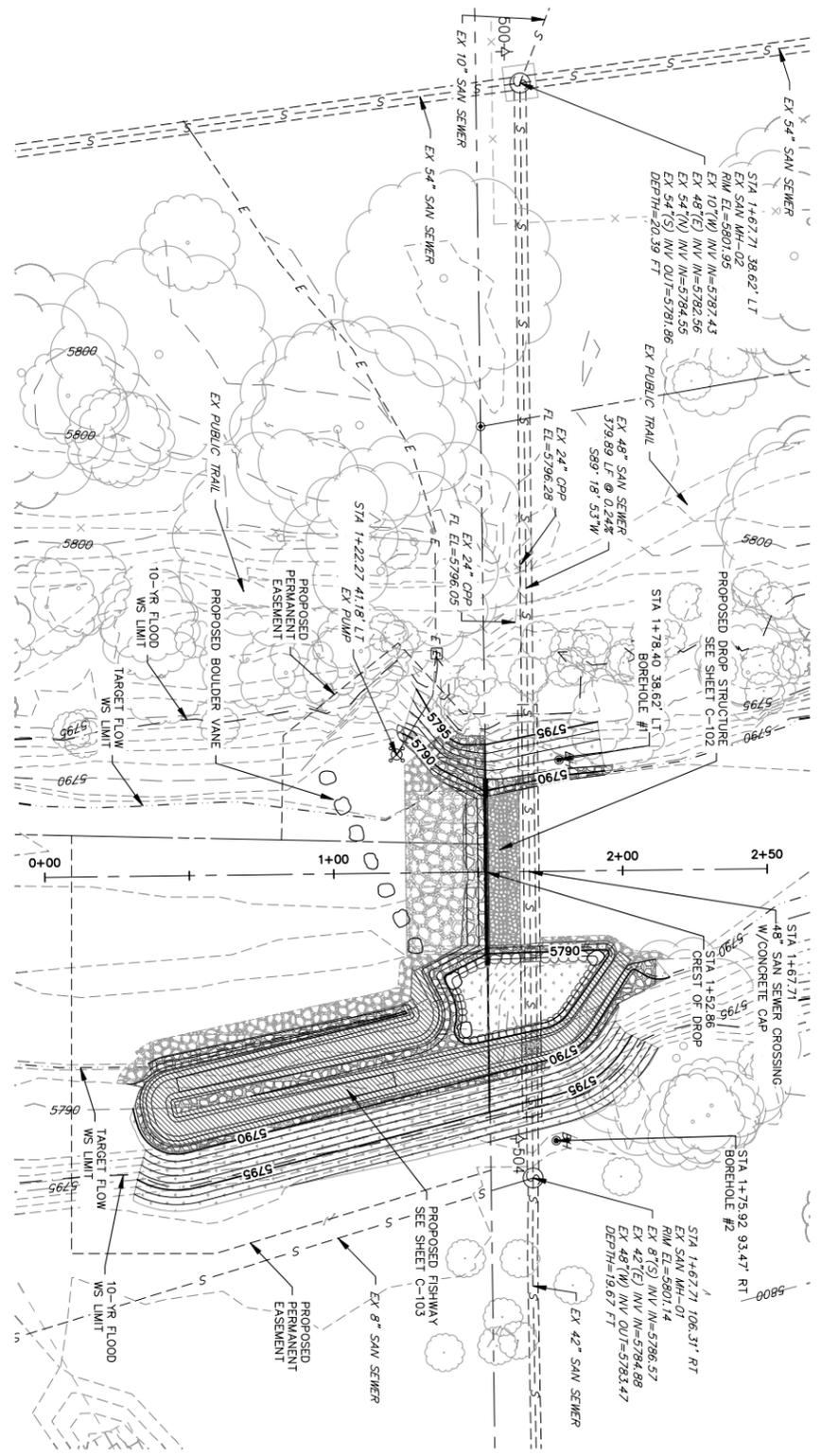
Fountain Creek at El Pomar Utility Crossing Rehabilitation  
 in Colorado Springs, El Paso County, Colorado  
 Application by: Colorado Springs Utilities  
 Application No.: SPA-2011-00198-SCO  
 Project Location  
 Sheet 1 of 8

May 2011

**Figure 1**  
**Site Location**

Prepared for: AMEC  
 File: 4806 figure 1.mxd [dlH]  
 September 2010



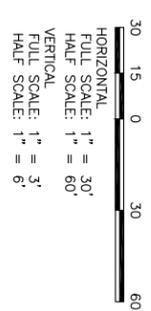


**CALL BEFORE YOU DIG**  
 (719) 688-4658  
 THE CONTRACTOR SHALL NOTIFY THE SPRINGS UTILITIES, INSPECTION SUPERVISOR (688-4658) 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO OBTAIN METHODS OF CONSTRUCTION, MATERIALS TO BE USED, AND CONSTRUCTION STAKING.

- NOTES**
1. REFER TO PROJECT GENERAL NOTES AND 002 SPECIFICATIONS FOR GENERAL NOTES AND STATIONING.
  2. ALL STATIONING IS CHANNEL ALIGNMENT STATIONING, UNLESS SPECIFICALLY NOTED.
  3. THERE IS TO BE NO EQUIPMENT OPERATION OVER ANY SANITARY SEWER MAIN.
  4. APPROXIMATE TOP OF BEDROCK IS BASED ON BORING LOSS SHOWN ON SHEET C-301.

**DATUM**  
 HORIZONTAL VALUES ARE BASED ON THE NORTH AMERICAN DATUM, 1983 AND WHEN THE DATE OF THE BASED COORDINATE GENERAL ZONE - 1983, CONSTRAINED TO VALUES AS PUBLISHED BY THE NGS IN 1986. VERTICAL VALUES ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM, 1929 AND THE 1960 SUPPLEMENTAL ADJUSTMENT.

**BENCHMARK**  
 PROJECT CONTROL IS BASED UPON FMS NETWORK MONUMENT CONTROL F157, F220 AND F221. DATE OF FIELD SURVEY IS CURRENT AS OF 05/04/2010.



**LEGEND**

6350	EXISTING MINOR CONTOUR
---	EXISTING MAJOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	SECTION LINE
---	EX PROPERTY LINE
---	PROP EASEMENT
---	EX SANITARY SEWER
---	EX EDGE OF TRAIL
---	EX STORM SEWER LINE
---	PROP SHEET PILE CUTOFF WALL
---	EX FENCE
---	EX UNDERGROUND ELECTRIC
---	SET SURVEY MONUMENT
---	EX SURVEY MONUMENT
---	SECTION CORNER
---	BOREHOLE LOCATION
---	EX POLE
---	EX FLARED END SECTION
---	EX PUMP
---	EX FLARED END SECTION
---	EX DECIDUOUS TREE
---	EX CONIFEROUS TREE
---	PROP FEATURE BOULDERS
---	PROP 48" Ø GROUDED BOULDERS
---	PROP 36" Ø GROUDED BOULDERS
---	PROP 48" Ø GROUDED BOULDERS (BURIED)
---	PROP 36" Ø GROUDED BOULDERS (BURIED)
---	PROP FISHWAY
---	PROP GROUDED TYPE H RIPRAP
---	PROP VEGETATED SLOPE W/TYPE M SOIL RIPRAP
---	10-YEAR FLOOD WS LIMIT
---	TARGET FLOW WS LIMIT

ISSUED FOR BID

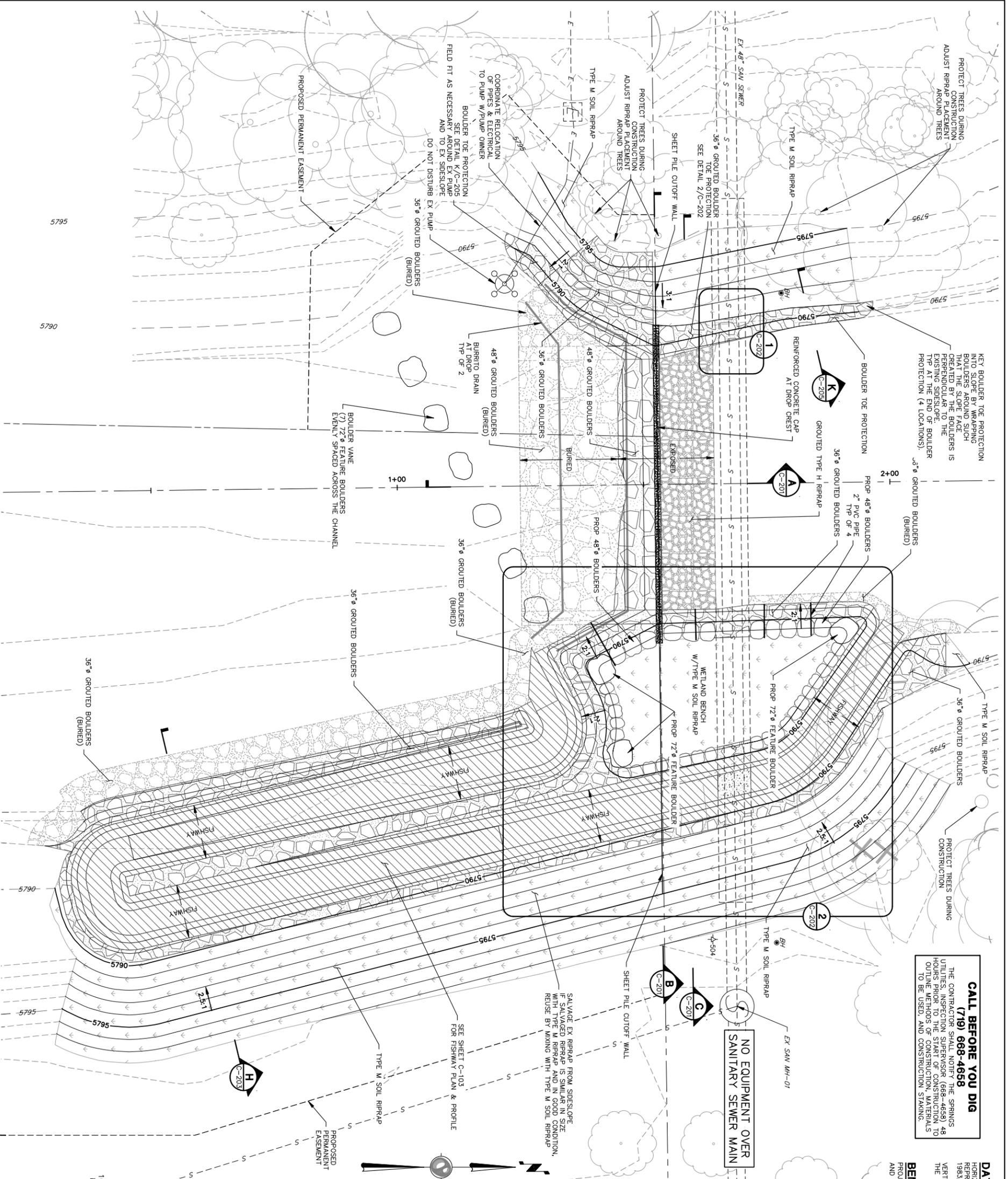
Fountain Creek at El Pomar Utility Crossing Rehabilitation in Colorado Springs, El Paso County, Colorado  
 Application by: Colorado Springs Utilities  
 Application No.: SPA-2011-00198-SCO  
 Drop Structure Plan & Profile  
 Sheet 2 of 8  
 May 2011

NO.	DESCRIPTION	DATE	BY

PREPARED FOR  
**COLORADO SPRINGS UTILITIES**  
 1521 HANCOCK EXPRESSWAY  
 P.O. BOX 1103  
 COLORADO SPRINGS, CO 80947-1825  
 719-688-8776  
 CONTACT: DAVID LONGRIE

2000 S. COLORADO BLVD.  
 SUITE 2-1000  
 DENVER, CO 80202  
 PHONE (303) 636-6505  
 FAX (303) 636-6616

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 (719) 688-4658  
 THE CONTRACTOR SHALL NOTIFY THE SPRINGS UTILITIES INSPECTION SUPERVISOR (688-4658) 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO OBTAIN METHODS OF CONSTRUCTION, MATERIALS TO BE USED, AND CONSTRUCTION STAKING.

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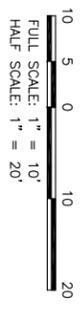
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**LEGEND**

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---	EX EDGE OF TRAIL
---	EX STORM SEWER LINE
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---	EX FENCE
---	EX UNDERGROUND ELECTRIC
---	EX SURVEY MONUMENT
---	EX SURVEY MONUMENT SECTION CORNER
---	BOREHOLE LOCATION
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---	EX FLARED END SECTION
---	EX PUMP
---	EX FLARED END SECTION
---	EX DECIDUOUS TREE
---	EX CONIFEROUS TREE
---	PROP FEATURE BOULDERS
---	PROP 49" GROUDED BOULDERS
---	PROP 36" GROUDED BOULDERS
---	PROP 48" GROUDED BOULDERS (BURIED)
---	PROP 36" GROUDED BOULDERS (BURIED)
---	PROP FISHWAY
---	PROP GROUDED TYPE H RIPRAP
---	PROP VEGETATED SLOPE W/TYPE M SOIL RIPRAP
---	TREE TO BE REMOVED

**NOTES**

- CONTRACTOR TO REMOVE APPROXIMATELY 65 S.Y. OF EXISTING 36" BOULDERS ALONG THE DOWNSTREAM FACE OF SANITARY SEWER EASEMENT. SALVAGE AND REUSE MAY BE AT CONTRACTOR'S DISCRETION.
- PROTECT ALL TREES OUTSIDE OF PROPOSED CONTOURS. 3" CALIPER AND LARGER HAND GRADE AROUND TREES WITHIN CONSTRUCTION LIMITS THAT ARE TO REMAIN AND DO NOT DAMAGE ROOT STRUCTURE.



NO.	DESCRIPTION	DATE	BY

PREPARED FOR  
**COLORADO SPRINGS UTILITIES**  
 1521 HANCOCK EXPRESSWAY  
 P.O. BOX 1103  
 COLORADO SPRINGS, CO 80947-1825  
 719-688-8776  
 CONTACT: DAVID LONGRIE

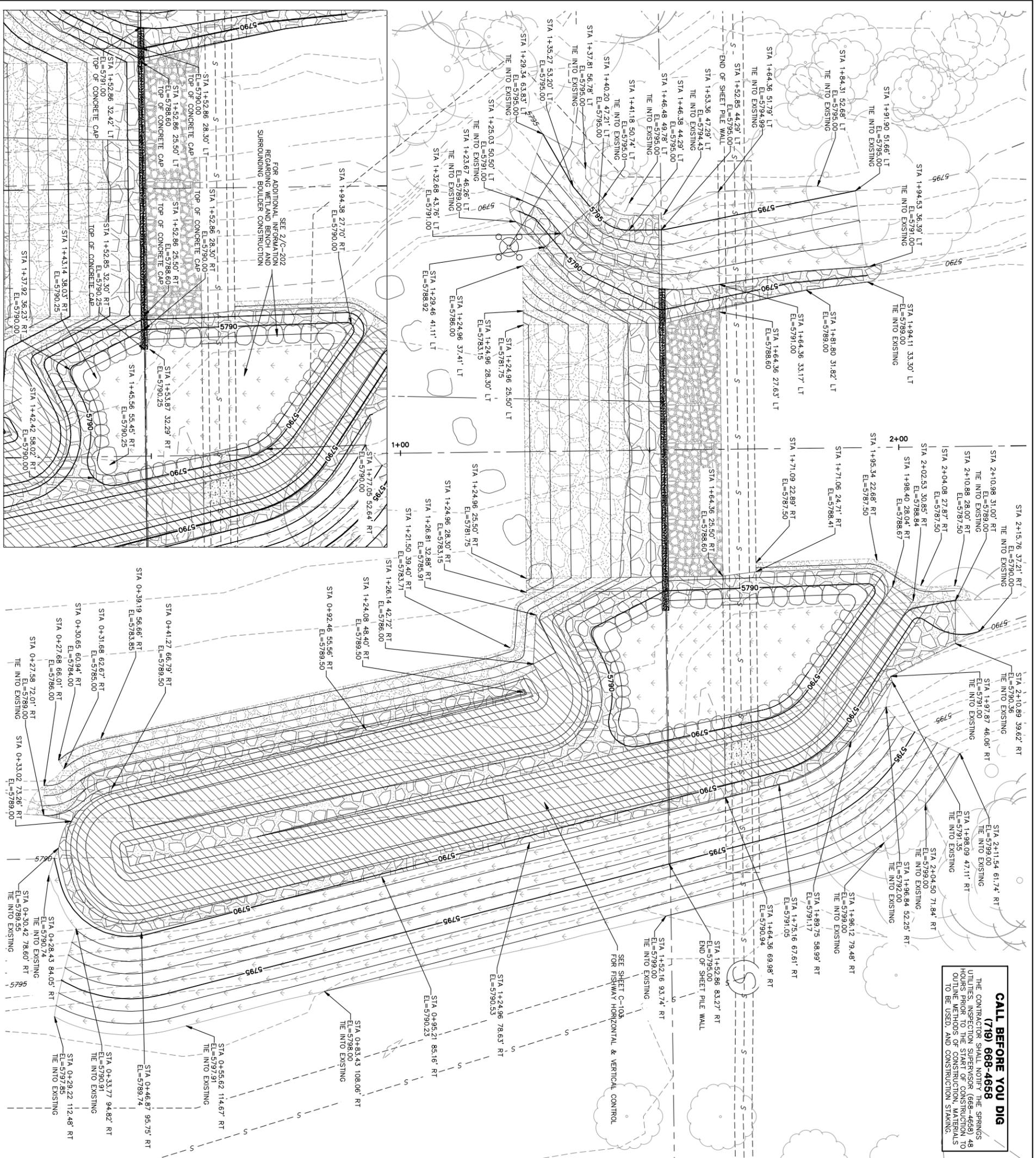
2000 S. COLORADO BLVD.  
 SUITE 2-1000  
 DENVER, COLORADO 80222  
 PHONE (303) 936-6505  
 FAX (303) 936-6516



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Fountain Creek at El Pomar Utility Crossing Rehabilitation in Colorado Springs, El Paso County, Colorado  
 Application by: Colorado Springs Utilities  
 Application No.: SPA-2011-00198-SCO  
 Overall Plan View  
 Sheet 3 of 8  
 May 2011

SHEET 15 OF 23  
 C-101



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 (719) 688-4658  
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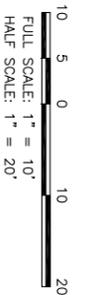
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- EX FLARED END SECTION
- EX DECIDUOUS TREE
- EX CONFEROUS TREE

- PROP FEATURE BOULDERS
- PROP 48% GROUNDED BOULDERS
- PROP 36% GROUNDED BOULDERS
- PROP 48% GROUNDED BOULDERS (BURIED)
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- PROP VEGETATED SLOPE W/TYPE M SOIL RIPRAP



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 719-688-8776  
 CONTACT: DAVID LONGRIE

2000 S. COLORADO BLVD.  
 SUITE 2-1000  
 DENVER, COLORADO 80222  
 PHONE (303) 935-8505  
 FAX (303) 935-8516

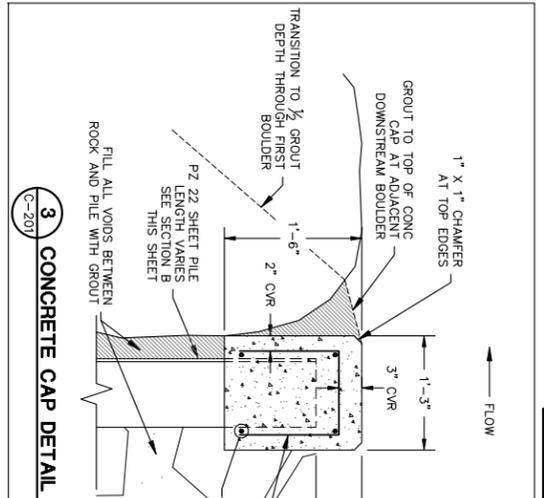
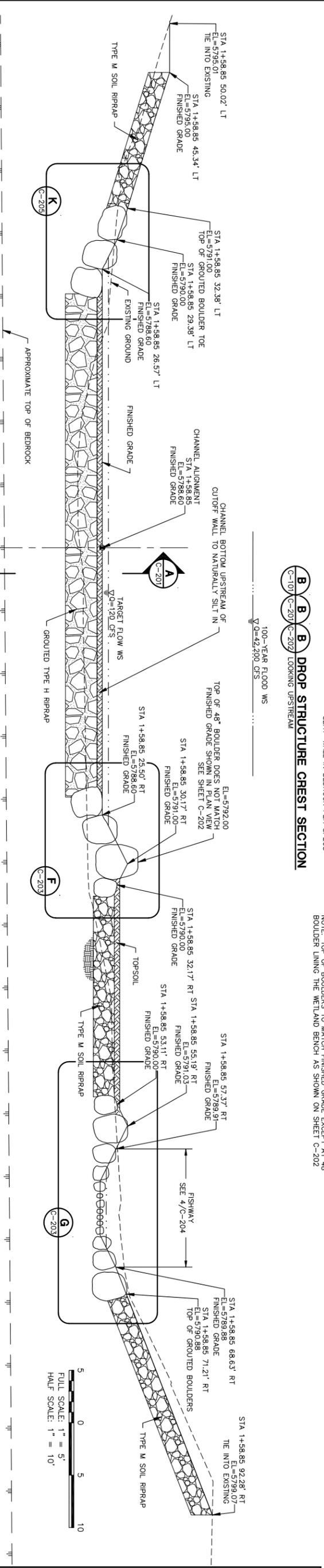
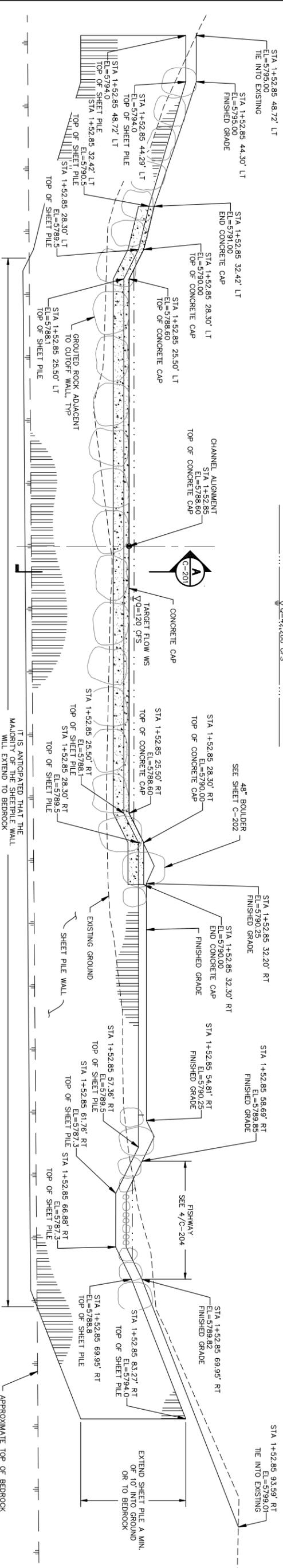
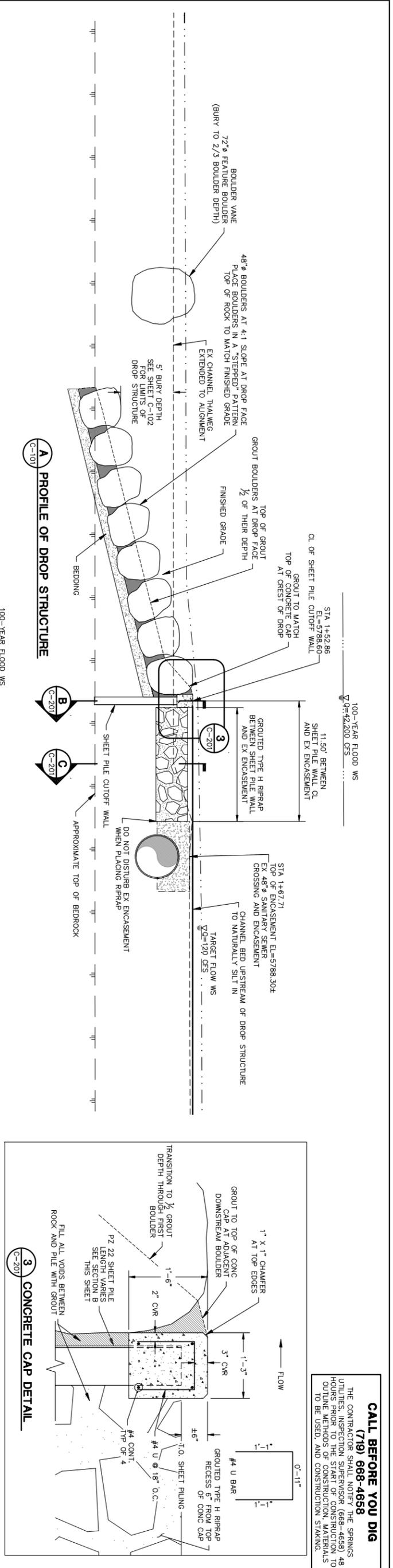


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Fountain Creek at El Pomar Utility Crossing Rehabilitation in Colorado Springs, El Paso County, Colorado  
 Application by: Colorado Springs Utilities  
 Application No.: SPA-2011-00198-SCO  
 Horizontal & Vertical Control Plan  
 Sheet 4 of 8  
 May 2011

**SHEET 16 OF 23**  
**C-102**





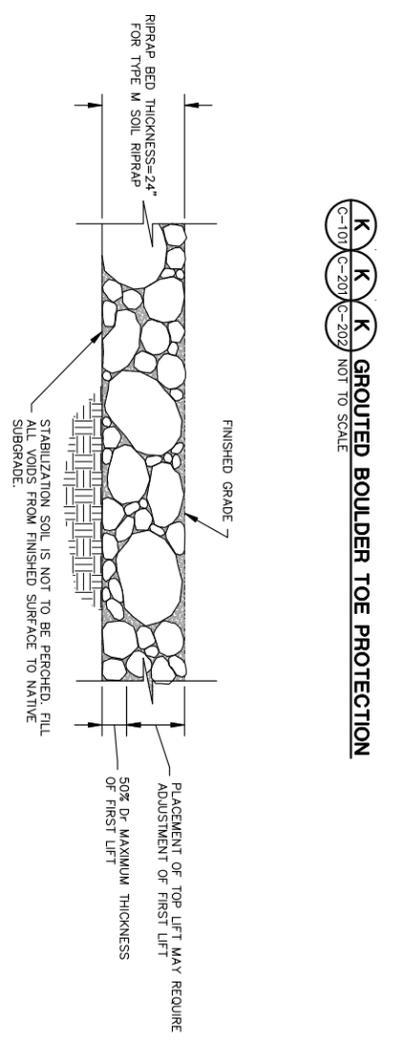
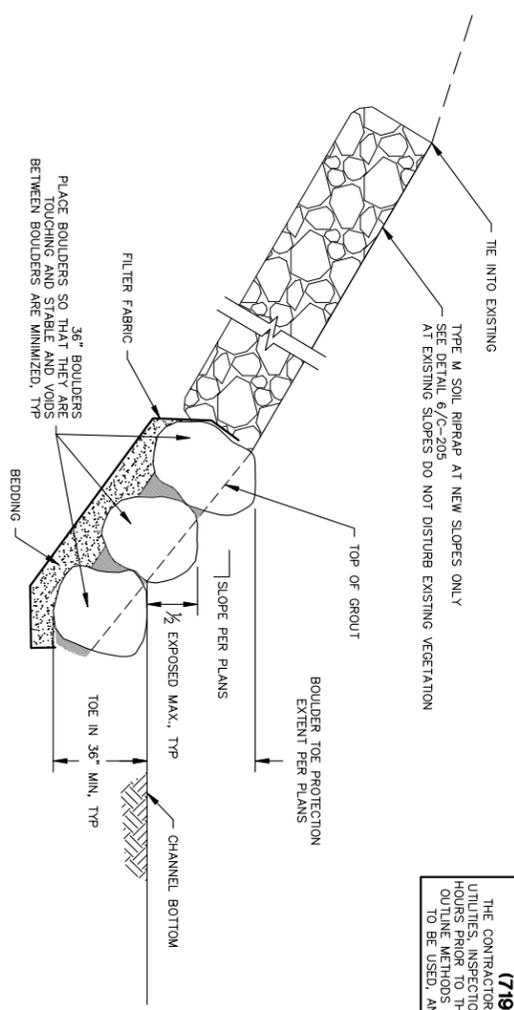
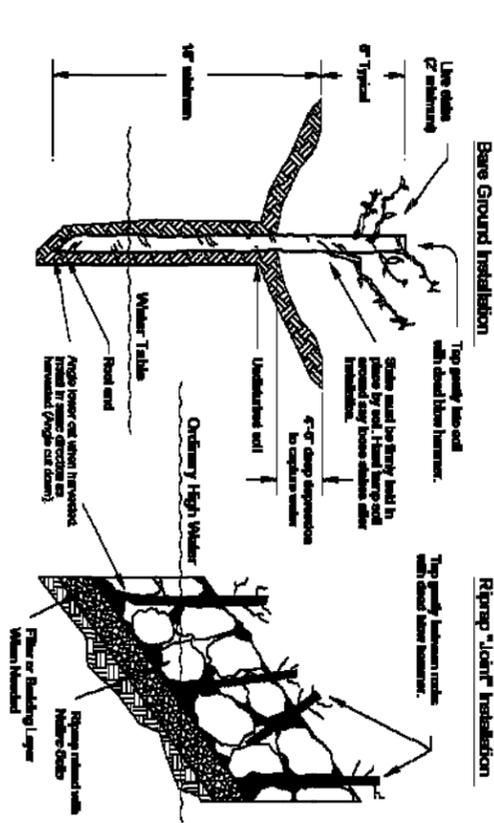
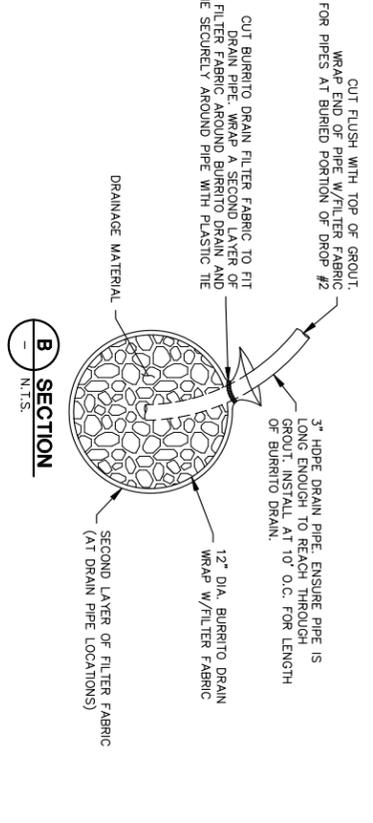
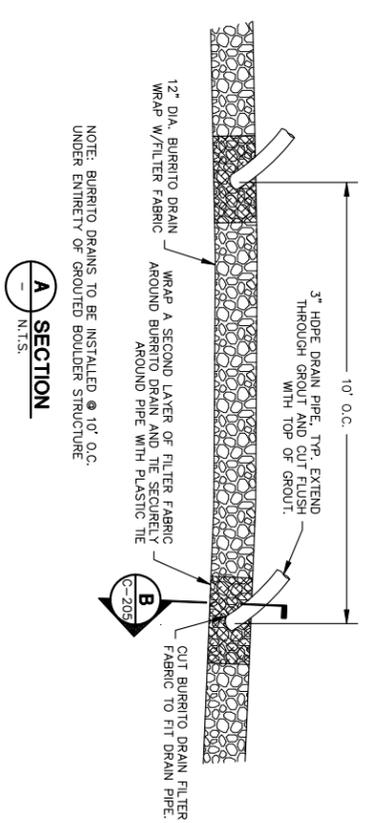
**CALL BEFORE YOU DIG**  
 (719) 668-4658  
 THE CONTRACTOR SHALL NOTIFY THE SPRINGS UTILITIES INSPECTION SUPERVISOR (668-4658) 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO OBTAIN THE METHODS OF CONSTRUCTION MATERIALS TO BE USED, AND CONSTRUCTION STAKING.

**NOTES**

1. TOP OF SHEET PILE WALL TO TERMINATE 6'-1 1/2" BELOW FINISHED GRADE.
2. APPROXIMATE TOP OF BEDROCK IS BASED ON BORING LOGS SHOWN ON SHEET C-301.

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<p>Fountain Creek at El Pomar Utility Crossing Rehabilitation in Colorado Springs, El Paso County, Colorado                  Application by: Colorado Springs Utilities                  Application No.: SPA-2011-00198-SCO                  Drop Structure Detail Profile &amp; Section                  Sheet 6 of 8</p>	<p>May 2011</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DESCRIPTION	DATE	BY																	<p>PREPARED FOR  <b>COLORADO SPRINGS UTILITIES</b>                  1521 HANCOCK EXPRESSWAY                  P.O. BOX 1103                  COLORADO SPRINGS, CO 80947-1825                  719-868-8776                  CONTACT: DAVID LONGRIE</p>	<p>2000 S. COLORADO BLVD.                  SUITE 2-1000                  EL PASO, COLORADO 80222                  PHONE (303) 836-8505                  FAX (303) 836-8516</p> <p><b>amec</b>                  EARTH &amp; ENVIRONMENTAL                  www.amec.com</p>
NO.	DESCRIPTION	DATE	BY																					



1. EXPOSED AND BURIED SOIL RIPPAP DETAILS ARE APPLICABLE TO FLAT OR SLOPED AREAS. REFER TO SITE PLAN FOR ACTUAL LOCATION AND LIMITS OF EACH TYPE.
2. REFER TO SPECIFICATIONS FOR MATERIALS AND PLACEMENT REQUIREMENTS FOR RIPPAP.
3. GENERAL PLACEMENT TECHNIQUES SHOULD RESULT IN ROCK SECURELY INTERLOCKED AT THE DESIGN THICKNESS AND GRADE. COMPACTION AND LEVELING SHOULD RESULT IN MINIMAL Voids AND PROJECTIONS ABOVE GRADE. TYPICAL FOR BOTH BURIED AND EXPOSED SOIL RIPPAP.
4. BEFORE PLACEMENT, MIX RIPPAP WITH STABILIZATION SOIL (GRAVELLY, CLAYEY, ORGANIC SOIL) AT APPROXIMATE RATIO OF 1:1. STABILIZATION SOIL IS A HOMOGENEOUS MASS FOR THE FORMATION OF A ROOT MAT INTERMIXED WITH RIPPAP. STABILIZATION SOIL TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
5. FOR BURIED SOIL RIPPAP, FINAL RIPPAP TO BE COMPACTED BY FULL LOADING OF BACK HOE BUCKET AS APPROVED. ANY SOFT, YIELDING OR POCKETS OF SMALL ROCK WILL BE REMOVED. PLACE TOP SOIL SO NOT MORE THAN 3 INCHES THICK OVER SOIL RIPPAP. COORDINATE ROCK PLACEMENT TO PROVIDE TREE OR SHRUB PLANTING PITS WHERE INDICATED ON PLANTING PLANS.

**CALL BEFORE YOU DIG**  
(719) 688-4658  
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Fountain Creek at El Pomar Utility Crossing Rehabilitation in Colorado Springs, El Paso County, Colorado  
Application by: Colorado Springs Utilities  
Application No.: SPA-2011-00198-SCO  
Sections & Details  
Sheet 7 of 8  
May 2011

NO.	DESCRIPTION	DATE	BY

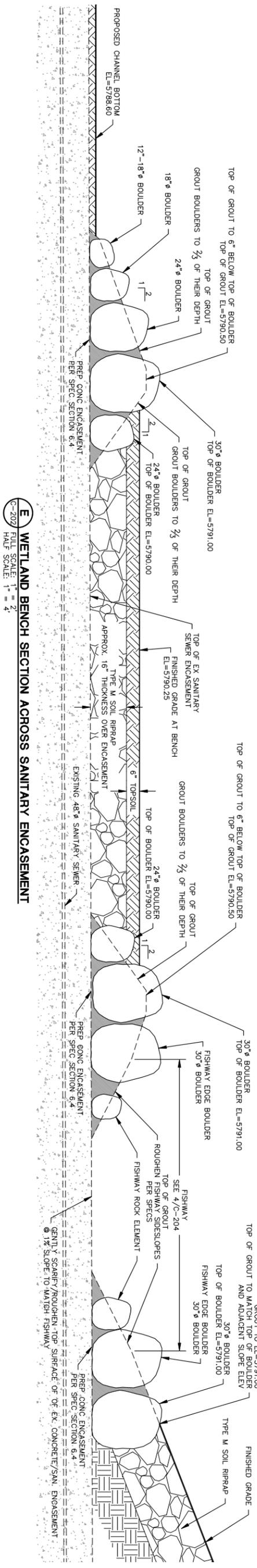
PREPARED FOR  
**COLORADO SPRINGS UTILITIES**  
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719-688-8776  
CONTACT: DAVID LONGRIE

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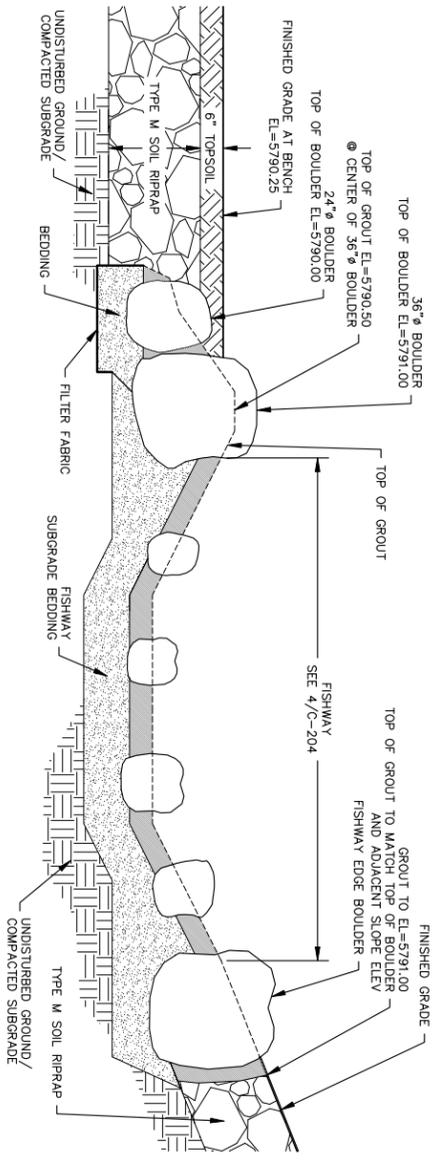
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SHEET  
22 OF 23  
C-205

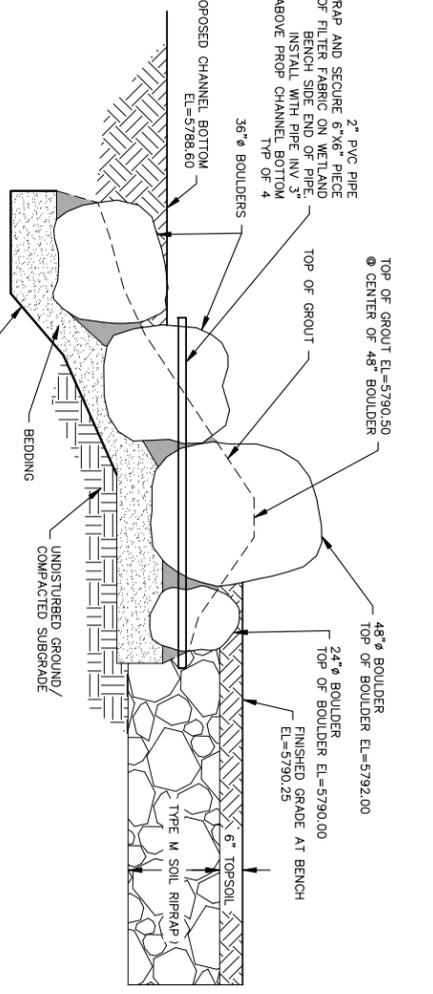
- NOTES:  
 1. HAND EXCAVATE NEAR ENCASUREMENT BOULDERS  
 2. HAND EXCAVATE OVER ENCASUREMENT



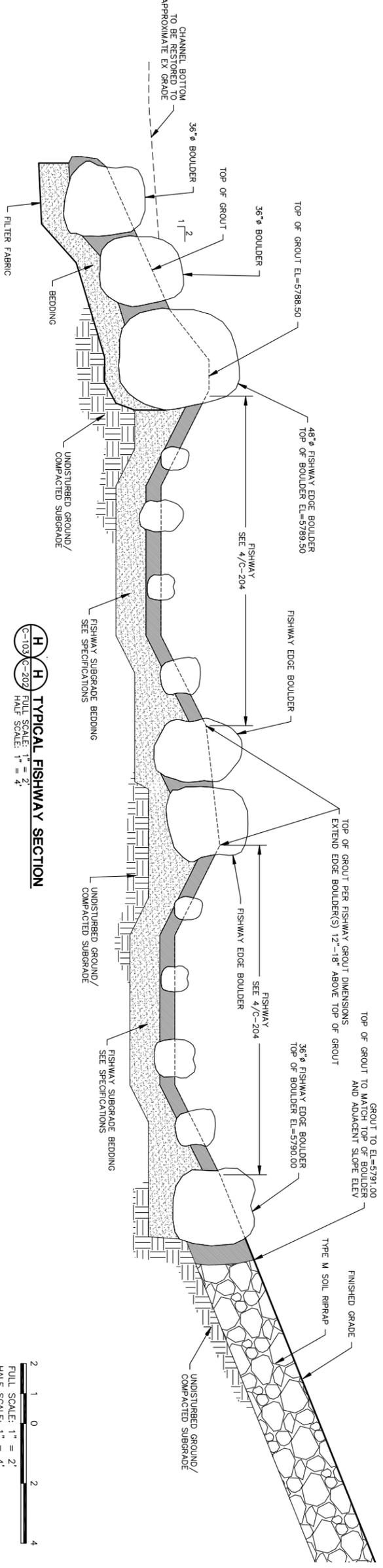
**E WETLAND BENCH SECTION ACROSS SANITARY ENCASUREMENT**  
 C-202 FULL SCALE: 1" = 2"  
 HALF SCALE: 1" = 4"



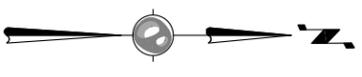
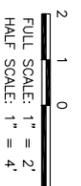
**G TYPICAL FISHWAY SECTION AT WETLAND BENCH**  
 C-103 C-201 C-202 FULL SCALE: 1" = 2"  
 HALF SCALE: 1" = 4"



**F TYPICAL GROUDED BOULDER CHANNEL EDGE AT WETLAND BENCH**  
 C-201 C-202 FULL SCALE: 1" = 2"  
 HALF SCALE: 1" = 4"



**H TYPICAL FISHWAY SECTION**  
 C-103 C-202 FULL SCALE: 1" = 2"  
 HALF SCALE: 1" = 4"



ISSUED FOR BID

Fountain Creek at El Pomar Utility Crossing Rehabilitation  
 in Colorado Springs, El Paso County, Colorado  
 Application by: Colorado Springs Utilities  
 Application No.: SPA-2011-00198-SCO  
 Sections & Details  
 Sheet 8 of 8

NO.	DESCRIPTION	DATE	BY

PREPARED FOR  
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May 2011

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