



INVITATION FOR BID
Construction

B16- 162 MZ

Date issued: November 10, 2016

**SAND CREEK EAST FORK
CHANNEL STABILIZATION**

THE CITY OF COLORADO SPRINGS

The City of Colorado Springs hereby solicits Firm Fixed Price (FFP) Bids, as detailed in this Invitation for Bids (IFB), for Sand Creek East Fork Channel Stabilization.

Work to be accomplished will involve the implementation of a grouted sloping boulder drop structure with reinforced riprap banks, channel slope improvements and protection of the existing exposed utilities and private property in accordance with specifications and Exhibit 10 Construction Plan Set.

SECTION I – BID INFORMATION

1.0 BID INFORMATION

Section I provides general information to potential Bidders, such as bid submission instructions and other similar administrative elements. This Invitation for Bid (IFB) is available on BidNet Direct (www.bidnetdirect.com). All addenda or amendments shall be issued through BidNet Direct and may not be available through any other source.

1.1 SPECIAL TERMS

Please note the following definitions of terms as used herein:

The term “City” means the City of Colorado Springs.

The term “Contractor” or “Consultant” means the Bidder whose offer is accepted and is awarded the contract to provide the products or services specified in the IFB.

The term “Offer” or “Bid” means a bid submitted in response to this IFB.

The term “Offeror” or “Bidder” means the person, firm, or corporation that submits a formal bid or offer and that may or may not be successful in being awarded the contract.

The term “Project” refers to Sand Creek East Fork Channel Stabilization.

The term “Invitation for Bid” or “IFB” means this solicitation of formal, competitive, sealed bids from prospective bidders in which the intent is to award a contract to the resultant lowest responsible and responsive bidder.

1.2 BID ISSUE DATE

Invitation for Bid (IFB) Number B16-162MZ is being issued and posted on www.bidnetdirect.com on November 10, 2016.

1.3 SUBMISSION OF BIDS

A. Bids are to be submitted in a sealed envelope to the City Procurement Services Division, 30 S. Nevada Ave., Suite 201, Colorado Springs CO. 80903.

B. Bids shall be received on or before:

C. Bid bond is required if total bid exceeds \$50,000.00. (Also see 1.22)

D. The cost of Bid preparation is not a reimbursable cost. Bid preparation shall be at the Bidder's sole expense and is the Bidder's total and sole responsibility.

1.4 PRE-BID CONFERENCE

A pre-bid conference will not be held for this Bid.

1.5 LATE BIDS/LATE MODIFICATIONS OF BIDS

Bids, withdrawals or modifications of Bids received after the time set for opening, as designated in 1.3 above, are considered "late bids", and will not be accepted by the City, except as provided for in the City of Colorado Springs Procurement Rules and Regulations and approved by the Procurement Services Manager. Bidders are solely responsible for insuring their bids arrive on time and to the place specified in this Invitation for Bid.

1.6 MISTAKES IN BIDS - CONFIRMATION OF BID

If it appears from a review of a Bid that a mistake has been made, the Bidder may be requested to confirm its Bid in writing. Situations in which the confirmation may be requested include obvious, apparent errors on the face of a Bid or a Bid unreasonably lower than the other Bids submitted. All mistakes in Bids will be handled in accordance with the City of Colorado Springs Procurement Rules and Regulations.

1.7 PROCUREMENT RULES AND REGULATIONS

All formal IFBs advertised by the City of Colorado Springs are solicited in accordance with the City's Procurement Rules and Regulations. The City's Procurement Rules and Regulations can be reviewed and/or downloaded from the City's Procurement Services Division website www.coloradosprings.gov. Any discrepancies or conflicting statements, decisions regarding bidding irregularities, or clarifications regarding clauses or specifications will be rectified utilizing the City's Procurement Rules and Regulations, when applicable. It is the Bidder's responsibility to advise the Contracts Specialist listed in this IFB of any perceived discrepancies, conflicting statements, or problems with clauses or specifications prior to the Bid opening date and time.

1.8 MINOR INFORMALITIES/IRREGULARITIES IN BIDS

A. A minor informality or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a Bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other Bidders. The defect or variation is considered immaterial when the effect on price, quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the goods and/or

services being acquired.

B. If the City Procurement Services Division determines that a Bid submitted contains a minor informality or irregularity, then the Procurement Services Manager shall either give the Bidder an opportunity to cure any deficiency resulting from the minor informality or irregularity or waive the deficiency, whichever is to the advantage of the City. In no event will the Bidder be allowed to change the Bid amount. Examples of minor informalities or irregularities include but are not limited to the following:

- (1) Bidder fails to sign the Bid, but only if the unsigned Bid is accompanied by other material evidence, which indicates the Bidder's intention to be bound by the unsigned Bid (such as Bid security, or signed cover letter which references the Bid Number and amount of Bid).
- (2) Bidder fails to acknowledge an Amendment, although this may be considered a minor informality only if the Amendment, which was not acknowledged, involves only a matter of form or has either no effect or merely a negligible effect on price, quantity, quality, or delivery of the item or services bid upon.

1.9 REJECTION OF BIDS

The Procurement Services Manager has the authority to reject any Bid based on, but not limited to, the following:

- A. Any Bid that fails to conform to the essential requirements of the Invitation for Bids shall be rejected.
- B. Any Bid that does not conform to the applicable specifications shall be rejected unless the IFB authorizes the submission of alternate bids and the items or services offered as alternates meet the requirements specified in the IFB.
- C. A Bid that fails to conform to the specified delivery schedule.
- D. A Bid shall be rejected when the Bidder imposes conditions that would modify requirements of the IFB or limit the Bidder's liability to the City, since to allow the Bidder to impose such conditions would be prejudicial to other Bidders.

For example, Bids shall be rejected in which the Bidder:

- (1) Protects against future changes in conditions, such as increased costs, if total possible costs to the City cannot be determined. This includes failure to completely fill out required bid schedule.

- (2) Fails to state a price and indicates that price shall be “price in effect at time delivery”.
 - (3) States a price but qualifies it as being subject to “price in effect at time of delivery”.
 - (4) Takes exceptions to the IFB terms and conditions.
 - (5) Inserts the Bidder’s terms and conditions.
 - (6) Limits the rights of the City under any Contract/Invitation for Bid clause.
- E. Any Bid in which the price is considered to be unreasonable or is over budget.
 - F. Any Bid if the prices are determined to be unbalanced.
 - G. Bids received from any person or contractor that is suspended, debarred, proposed for debarment, or under investigation for fraud, including failure to pay federal, state, local or city taxes.
 - H. When a bid guarantee is required and the bidder fails to furnish the guarantee in accordance with the requirements of the IFB.
 - I. Low Bids received from bidders who are determined to be non-responsible in accordance with the City’s Procurement Rules and Regulations.
 - J. Any Bid that was prepared and submitted by a vendor who has been determined by the Procurement Services Manager to have an unfair advantage over other Bidders. Examples of an unfair advantage include, but are not limited to, the following:
 - (1) A previous or prior employee who in the last six (96) months was directly involved in the design or specification preparation of the competed procurement.
 - (2) A vendor who was directly involved in design or specification preparation of the competed project either for pay or voluntarily.

1.10 ESTIMATED QUANTITIES

If the Bid Form (Schedule A) herein contains estimated quantities, this provision is applicable. The quantities listed for each of the items in the Bid Form are only estimated quantities. Contractors are required to bid a firm unit price for each item specified. The actual quantities ordered may fluctuate up or down. The unit prices proposed by each Bidder will remain firm and will not be re-negotiated if the estimated quantities are not met or are exceeded. This clause will take

precedence over any/all other estimated quantity clauses that conflict with this clause.

For bidding purposes, if there is a conflict between the extended total of an item and the unit price, the unit price shall prevail and be considered as the amount of the Bid. All unit prices shall include all necessary overhead and profit. Items not listed in the Bid Form such as overhead, profit, mobilization, de-mobilization, bonding, etc. shall be distributed throughout the Bidder's Unit Prices for the items listed on the Bid Form.

1.11 NUMBER OF COPIES

Bidders shall submit one hardcopy of the Bid. Bidders shall also submit one electronic copy on CD. Upon submission, all Bid documents shall become and remain the property of the City. In the case of a contradiction or inconsistency between the hardcopy and softcopy, the hardcopy shall prevail.

1.12 IDENTIFICATION OF BID

Bids must be returned in a sealed envelope, box, or other container. The solicitation number and due date for submission of Bids must be clearly marked on the outside in the lower left hand corner:

Bid No.: B16-162MZ Sand Creek East Fork Channel Stabilization

Due Date & Time: December 15, 2016 2:00PM

Company:

Any Bid that is submitted without being properly marked may be opened for identification prior to the deadline for receipt of Bids and then resealed or it also may be rejected as non-responsive.

1.13 SALES TAX

The successful Offeror, if awarded a contract, shall apply to the Colorado Department of Revenue for a tax-exempt certificate for this project. The certificate does not apply to City of Colorado Springs Sales and Use Tax which shall be applicable and should be included in all bids and proposals. The tax exempt project number and the exemption certificate only apply to County, PPRTA (Pikes Peak Rural Transportation Authority), and State taxes when purchasing construction and building materials **to be incorporated into this project.**

Furthermore, the exemption **does not** include or apply to the purchase or rental of equipment, supplies or materials that **do not become a part of the completed project or structure.** In these instances, the purchase or rental is subject to full taxation at the current taxation rate.

The Offeror and all subcontractors shall include in their Offer City of Colorado Springs Sales and Use Tax on the work covered by the offer, and all other applicable taxes. Any increase in applicable sales or use tax occurring after the contract has been let shall be borne by the contractor and not passed through to the City.

Forms and instructions can be downloaded at the City of Colorado Springs Website. Questions can be directed to the City Sales Tax Division at (719) 385-5903.

Our Registration Numbers are as follows:

City of Colorado Springs

Federal I.D.: 84-6000573

Federal Excise: A-138557

State Sales Tax: 98-03479

1.14 PREPARATION OF BID OFFER

- A. Bidders are expected to examine the drawings, specifications, bid documents, proposed contract forms, terms and conditions, and all other instructions and solicitation documents. Bidders are expected to visit the job-site to determine all requirements and conditions that will affect the work. Failure to do so will not relieve a Bidder from their responsibility to know what is contained in this Invitation for Bid, or site conditions affecting the work.
- B. The Bidder certifies that it has checked all of its figures and understands that the City will not be responsible for any errors or omissions on the part of the Bidders in preparing its Bid.
- C. All items, (unless the invitation specifically states otherwise) including any additive or deductive alternates on the Bid Form, must be completely filled out or the Bid will be determined non-responsive and ineligible for consideration for award.
- D. The Bidder declares that the person or persons signing this Bid is/are authorized to sign on behalf of the firm listed and to fully bind the Bidder to all the requirements of the IFB.
- E. The Bidder certifies that no person or firm other than the Bidder or as otherwise indicated has any interest whatsoever in the Bid or the contract that may be entered into as a result of the Bid and that in all respects the Bid is legal and firm, submitted in good faith without collusion or fraud.
- F. By submitting a Bid the Bidder certifies that it has complied and will comply with all requirements of local, state, and federal laws, and that no legal requirements have been or will be violated in making or accepting this Bid.

Bidders are expected to review the City's Procurement Rules and Regulations, which will be used when determining whether a Bidder is responsive and responsible and awarding contracts in the best interest of the City.

- G. If there is a discrepancy between the unit price and the total price, the unit price shall be used to determine the applicable total price. Bidders are responsible for including profit and overhead associated with the project when determining their unit prices.

1.15 BASIS OF AWARD

- A. The City of Colorado Springs intends to award a contract to the lowest responsive and responsible Bidder whose Bid meets the requirements and the criteria set forth in the Invitation for Bids and is determined to be in the best interest of the City.
- B. The City reserves the right to reject any or all Bids and to waive informalities and/or irregularities in a Bid. Whether or not a contract is awarded as a result of this Invitation for Bid, as stated above, Bid preparation costs are not reimbursable.
- C. Total Bid will be evaluated and awarded as follows: It is the City's intent to award this bid based on the TOTAL BASE BID, not on a line item by line item basis.

1.16 PERIOD OF ACCEPTANCE

The Bidder agrees that its Bid shall remain open for acceptance by the City for a period of sixty (60) calendar days from the date specified in the IFB for receipt of Bids.

1.17 CONTRACT AWARD

The signature of the Bidder indicates that within ten (10) calendar days from acceptance of its Bid, it will execute a contract with the City and, if indicated in this IFB, furnish a project specific Certificate of Insurance naming the City as Additional Insured, furnish Performance, Labor and Materials, Payment and Maintenance Bonds and any other documents required by the Specifications or Contract Documents.

1.18 NOTICE TO PROCEED

Work may not start under any awarded contract until a written notice to proceed is issued by the City. The City may issue the Notice to Proceed any time after the contract is signed and, if required, insurance and bonds have been provided in

accordance with 1.23 below.

1.19 AMENDMENTS TO THE SOLICITATION

Amendments are also referred to as addendum or addenda; and these terms shall be considered synonymous. It is the Bidder's responsibility to contact the Contracts Specialist listed in 1.22 below to confirm the number of Amendments which have been issued.

- A. If this solicitation is amended, then all specifications, terms and conditions, which are not specifically amended, remain unchanged.
- B. Bidders shall acknowledge receipt of any amendment to this solicitation by signing and returning the amendment and by identifying the amendment number and date in the space provided on the form for submitting a Bid.
- C. Acknowledged amendments must be received prior to Bid opening. Bidders are encouraged to include signed addenda or initialed acknowledgment with returned Bids.

1.20 EXPLANATIONS TO PROSPECTIVE OFFERORS

Any prospective Bidder desiring an explanation or interpretation of the IFB documents, drawings, specifications, etc., must request it in writing within ten days of the Bid due date to allow enough time for a reply to reach all prospective offerors before the time for submission of offers. Oral explanations or instructions given before the opening of Bids will not be binding. Any information provided to a prospective Bidder during the Bid preparation stage will be promptly furnished to all other prospective Bidders as an amendment to the solicitation, if that information is necessary in submitting Bids or if the lack of it would be prejudicial to other prospective Bidders.

1.21 QUESTIONS AND OTHER REQUESTS FOR INFORMATION

All questions shall be submitted in writing to the following Contract Specialist. All questions must be submitted by email and must be received no later than **2:00 PM December 9, 2016.**

All questions shall
be directed to:
(Contract Specialist)

Michael Zeller
mzeller@springsgov.com

1.22 SECURITY REQUIREMENTS

A. Bid Security

- (1) If the total amount of the accumulative Bid is more than \$50,000, or a bond is required elsewhere in this IFB, the Bidder is required to furnish with their Bid a bid security in the form of a bank certified check, bank cashier's check or a one-time bid bond underwritten by a company licensed to issue bonds in the State of Colorado and acceptable to the City in an amount equal to at least 5% of the total amount of the Bid payable without condition to the City.
- (2) The Bid security shall guarantee that the Bid will not be withdrawn or modified for a period of sixty (60) calendar days after the time set for the receipt of Bids, and, if the Bid is accepted within those sixty (60) calendar days, that the person, firm or corporation submitting same shall within ten (10) calendar days after being notified of the acceptance of its Bid, enter into a Contract and furnish the required bonds and all insurance certificates called for under this Invitation for Bid.
- (3) The Bid bonds of unsuccessful Bidders will not be returned to the respective Bidders unless a self-addressed, stamped envelope is provided along with a written request for bid bond return. However, if a certified check or a cashier's check is submitted as Bid security, it will be returned as soon as possible after the lowest responsive and responsible Bidder is determined and a contract is executed.
- (4) In the event the Bidder whose Bid is accepted fails to enter into the contract and/or furnish the required contract bonds, its certified check, cashier's check or bid bond will be forfeited in full to the City.

B. Performance, Labor and Materials Payment, and Maintenance Bonds

- (1) For contracts in excess of \$50,000, the Contractor shall furnish to the City each of the following: a Performance Bond, a Labor and Materials Payment Bond, and a Maintenance Bond. Each such bond shall be in the amount of one hundred percent (100%) of the contract price. Bonds shall be submitted within ten (10) calendar days after notification of award of a Contract. The cost of all bonds shall be included in Contractor's Bid.
- (2) Bonds shall:
 - a) Be for the full amount of the Contract price.
 - b) Guarantee the Contractor's faithful performance of the work

under the Contract, and the prompt and full payment for all labor and materials involved therein.

- c) Guarantee protection to the City against liens of any kind.
- d) Be from a surety company operating lawfully in the state of Colorado and accompanied by an acceptable "Power-of-Attorney" form attached to each bond copy.
- e) Be issued from a surety company that is acceptable to the City.
- f) Be submitted using the forms in the Exhibit section of this IFB or such forms as are approved by the City Attorney's Office.

1.23 SPECIFICATIONS AND DRAWINGS

No Fee solicitations: Specifications and Drawings are normally included in the IFB. If Specifications and Drawings are too large to be included in the IFB, all interested Bidders may obtain one copy of the Project Specifications and a set of the Project Drawings for use in preparing Bids from the City Procurement Services Division office. If the Bidder requires additional sets, it is the Bidder's responsibility to duplicate any additional copies, at its own expense.

1.24 TYPE OF CONTRACT

As a result of this Invitation for Bids, it is the City's intention to award a fixed unit price Contract based on the prices offered by the lowest responsive and responsible bidder. Contract prices shall remain firm and fixed throughout the Contract performance period.

1.25 F.O.B. DESTINATION

Unless otherwise specified in the Invitation for Bid, all goods, materials, supplies, equipment or services covered by this IFB shall be delivered F.O.B. Destination shall be the location indicated in the awarded Contract or Purchase Order.

1.26 BID RESULTS

The City does not mail Bid results or tabulations. However, Bid tabulations are posted and can be downloaded from BidNet (www.bidnetdirect.com).

Bid tabulations will also be emailed upon request. To request Bid tabulation, email contracting@springsgov.com or the Contracts Specialist otherwise indicated herein.

1.28 APPROPRIATION OF FUNDS

A. In the event funds are not appropriated in whole or in part sufficient for performance of the City's obligations under this IFB, or appropriated funds may not be expended due the City Charter spending limitations, then the City,

without compensation to Bidders, may terminate or cancel this IFB or not award any contracts under this IFB.

- B. In accordance with the Colorado Constitution and City Charter, performance of the City's obligations under any resultant Contract will be expressly subject to appropriations of funds by the City Council, and, in the event the budget or other means of appropriation for any year of the Contract fails to provide funds in sufficient amounts to discharge such obligations, such failure (i) shall act to terminate the Contract at such time as the then-existing and available appropriations are depleted, and (ii) neither such failure nor termination shall constitute a default or breach of the Contract, including any sub-agreement, attachment, schedule, or exhibit thereto, by the City.

1.29 PERIOD OF PERFORMANCE

The Contractor shall complete all work within the period of performance, January 1, 2017 – August 1, 2017 and issuance of the Notice to Proceed/Pre-Construction Meeting and continue to work diligently until all work is completed and accepted by the City.

1.30 BID DOCUMENTS

The following comprise this Invitation for Bid.

Schedule A – Bid Form
Schedule B – General Construction Terms and Conditions
Schedule C – Special Construction Terms and Conditions
Schedule D – Scope of Work
Schedule E – Exhibits

The following listed documents must be included with your Bid in order for your Bid submittal to be considered responsive.

Schedule A -- Bid Form
Exhibit 2 – Minimum Insurance Requirements Form
Exhibit 3 – Qualification Statement
Exhibit 4 -- Representations and Certifications
Exhibit 5 -- Bid Bond if applicable (see 1.23)
Exhibit 6 – Certification Regarding Debarment
Exhibit 7 – Restrictions on Lobbying Certification
Exhibit 8 – Non-Collusion Affidavit
Exhibit 9 – Equal Employment Status Report
Exhibit 10 – Construction Plan Set
Acknowledged Addendums, if issued

SECTION II – SCHEDULES

Schedule A – Bid Form

Schedule B – General Construction Terms and Conditions

Schedule C – Special Terms and Conditions

Schedule D – Scope of Work

Schedule E – Exhibits

SCHEDULE A -- BID FORM

The undersigned declares that it has carefully examined the Bid information and the complete Solicitation (the term "Solicitation" means the complete Invitation for Bid) prior to submitting a Bid for "**SAND CREEK EAST FORK CHANNEL STABILIZATION**". The Bidder's signature will be considered the Bidder's acknowledgment of understanding and ability to comply with all items in the Solicitation.

If a Bidder makes any changes or corrections to the Bid documents (such as white out, or writing over a figure, etc.) such changes or corrections must be initialed and dated by the person signing the Bid prior to its submittal.

Each Bidder will provide pricing for each area listed in the following.

Item No.	Description	EST Quantity	Units	Unit Cost	Total Cost
1	Clearing and Grubbing	1.7	AC	\$	\$
2	Removal of Riprap	340	SY	\$	\$
4	Unclassified Excavation	7,710	CY	\$	\$
5	Embankment Material (CIP)	100	CY	\$	\$
6	Water Flow Control	1	LS	\$	\$
7	24" Grouted Boulders	2,405	SY	\$	\$
8	36" Grouted Boulders	2,585	SY	\$	\$
9	24" Riprap (Loose)	2,520	CY	\$	\$
10	Sheet Pile Cutoff Wall	3,000	SF	\$	\$
11	Sheet Pile Cap	300	LF	\$	\$
12	Concrete Wall Cutoff	56	CY	\$	\$
13	Storm Sewer Cut/Extensions	1	LS	\$	\$
14	Surveying	1	LS	\$	\$
15	Erosion Control	1	LS	\$	\$
16	Mobilization	1	LS	\$	\$
	TOTAL BASE BID				\$ _____

BID FORM

SIGNATURE PAGE

By signing in this space, the undersigned hereby certifies that the Bidder is not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from bidding/proposing on any federal, state, county or municipal Invitations for Bids or Requests for Proposals.

Signature

Date

Title

The undersigned hereby certifies that at the time of this certification, the Bidder does not knowingly employ or contract with any illegal aliens and that the Bidder has participated or attempted to participate in the everify program in order to verify that the Contractor does not employ any illegal aliens.

If awarded the contract, the undersigned hereby agrees to execute and enter into a contract with the City, and furnish the necessary security within ten (10) days of receipt of the "Notice of Award", to begin work within ten (10) days from the date of receipt of the "Notice to Proceed", and to complete the work within FORTY FIVE (45) calendar days.

The undersigned acknowledges and understands the terms, conditions, Specifications and all Requirements contained and/or referenced and is legally authorized by the Bidder to make the above statements or representations on behalf of the Bidder.

(Name of Company)
(Date)

(Signature)

(Address)

(City, State and Zip)

(Telephone Number)

(Name typed/Printed)

(Title)

(email address)

FEDERAL TAX ID # _____

This Company Is:

Corporation **Individual** **Partnership** **LLC**

SCHEDULE B – GENERAL CONSTRUCTION TERMS AND CONDITIONS

Schedule B -- General Construction Terms and Conditions, Version 100316 are hereby incorporated by reference, with the same force and effect as if they were given in full text. Upon request, the City will make their full text available. Also, the full text of a clause may be accessed electronically at this address:

<https://www.coloradosprings.gov/finance/page/procurement-regulations-and-documents>

The referenced General Construction Terms and Conditions will be incorporated in the resultant Contract.

SCHEDULE C - SPECIAL CONSTRUCTION TERMS AND CONDITIONS

1. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this Contract, the Contractor agrees as follows:

- (1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

- (7) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided, however*, that in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interests of the United States.
- (8) *Subcontracts*. Each nonexempt prime contractor or subcontractor shall include the equal opportunity clause in each of its nonexempt subcontracts.
- (9) *Incorporation by reference*. The equal opportunity clause may be incorporated by reference in all Government contracts and subcontracts, including Government bills of lading, transportation requests, contracts for deposit of Government funds, and contracts for issuing and paying U.S. savings bonds and notes, and such other contracts and subcontracts as the Deputy Assistant Secretary may designate.
- (10) *Incorporation by operation of the order*. By operation of the order, the equal opportunity clause shall be considered to be a part of every contract and subcontract required by the order and the regulations in this part to include such a clause whether or not it is physically incorporated in such contracts and whether or not the contract between the agency and the contractor is written.
- (11) *Adaptation of language*. Such necessary changes in language may be made in the equal opportunity clause as shall be appropriate to identify properly the parties and their undertakings. [43 FR 49240, Oct. 20, 1978, as amended at 62 FR 66971, Dec. 22, 1997]

2. EQUAL EMPLOYMENT OPPORTUNITY REPORTS AND OTHER REQUIRED INFORMATION

- (a) *Requirements for prime contractors and subcontractors*.
- (1) Each prime contractor and subcontractor shall file annually, on or before the September 30, complete and accurate reports on Standard Form 100 (EEO-1) promulgated jointly by the Office of Federal Contract Compliance Programs, the Equal Employment Opportunity Commission and Plans for Progress or such form as may hereafter be promulgated in its place if such prime contractor or subcontractor (i) is not exempt from the provisions of these regulations in accordance with § 60-1.5; (ii) has 50 or more employees; (iii) is a prime contractor or first tier subcontractor; and (iv) has a contract, subcontract or purchase order amounting to \$50,000 or more or serves as a depository of Government funds in any amount, or is a financial institution which is an issuing and paying agent for U.S. savings

bonds and savings notes: *Provided*, That any subcontractor below the first tier which performs construction work at the site of construction shall be required to file such a report if it meets requirements of paragraphs (a)(1) (i), (ii), and (iv) of this section.

- (2) Each person required by § 60-1.7(a)(1) to submit reports shall file such a report with the contracting or administering agency within 30 days after the award to him of a contract or subcontract, unless such person has submitted such a report within 12 months preceding the date of the award. Subsequent reports shall be submitted annually in accordance with § 60-1.7(a)(1), or at such other intervals as the Deputy Assistant Secretary may require. The Deputy Assistant Secretary may extend the time for filing any report.
- (3) The Deputy Assistant Secretary or the applicant, on their own motions, may require a contractor to keep employment or other records and to furnish, in the form requested, within reasonable limits, such information as the Deputy Assistant Secretary or the applicant deems necessary for the administration of the order.
- (4) Failure to file timely, complete and accurate reports as required constitutes noncompliance with the prime contractor's or subcontractor's obligations under the equal opportunity clause and is ground for the imposition by the Deputy Assistant Secretary, an applicant, prime contractor or subcontractor, of any sanctions as authorized by the order and the regulations in this part.

(b) *Requirements for bidders or prospective contractors—*

- (1) *Certification of compliance with Part 60-2: Affirmative Action Programs.* Each agency shall require each bidder or prospective prime contractor and proposed subcontractor, where appropriate, to state in the bid or in writing at the outset of negotiations for the contract: (i) Whether it has developed and has on file at each establishment affirmative action programs pursuant to Part 60-2 of this chapter; (ii) whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; (iii) whether it has filed with the Joint Reporting Committee, the Deputy Assistant Secretary or the Equal Employment Opportunity Commission all reports due under the applicable filing requirements.
- (2) *Additional information.* A bidder or prospective prime contractor or proposed subcontractor shall be required to submit such information as the Deputy Assistant Secretary requests prior to the award of the contract or subcontract. When a determination has been made to award the contract or subcontract to a specific contractor, such contractor shall be required, prior to award, or after the award, or both, to furnish such other information as the applicant or the Deputy Assistant Secretary requests.

(c) *Use of reports.* Reports filed pursuant to this section shall be used only in connection with the administration of the order, the Civil Rights Act of 1964, or in

furtherance of the purposes of the order and said Act.[43 FR 49240, Oct. 20, 1978, as amended at 62 FR 66971, Dec. 22, 1997]

3. RESERVED

4. CONTRACT WORK HOURS AND SAFETY STANDARDS (from FAR 52.222-4)

The term "Contracting Officer" herein shall refer to the City of Colorado Springs Contracting Specialist assigned to this contract.

The term "Government" herein shall refer to the City of Colorado Springs and any interested federal or state entity.

(a) *Overtime requirements.* No Contractor or subcontractor employing laborers or mechanics (see Federal Acquisition Regulation 22.300) shall require or permit them to work over 40 hours in any workweek unless they are paid at least 1 and 1/2 times the basic rate of pay for each hour worked over 40 hours.

(b) *Violation; liability for unpaid wages; liquidated damages.* The responsible Contractor and subcontractor are liable for unpaid wages if they violate the terms in paragraph (a) of this clause. In addition, the Contractor and subcontractor are liable for liquidated damages payable to the Government. The Contracting Officer will assess liquidated damages at the rate of \$10 per affected employee for each calendar day on which the employer required or permitted the employee to work in excess of the standard workweek of 40 hours without paying overtime wages required by the Contract Work Hours and Safety Standards statute (found at 40 U.S.C. chapter 37).

(c) *Withholding for unpaid wages and liquidated damages.* The Contracting Officer will withhold from payments due under the contract sufficient funds required to satisfy any Contractor or subcontractor liabilities for unpaid wages and liquidated damages. If amounts withheld under the contract are insufficient to satisfy Contractor or subcontractor liabilities, the Contracting Officer will withhold payments from other Federal or federally assisted contracts held by the same Contractor that are subject to the Contract Work Hours and Safety Standards statute

(d) Payrolls and basic records.

(1) The Contractor and its subcontractors shall maintain payrolls and basic payroll records for all laborers and mechanics working on the contract during the contract and shall make them available to the Government until 3 years after contract completion. The records shall contain the name and address of each employee, social security number, labor classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records need not duplicate those required for

construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Construction Wage Rate Requirements statute.

(2) The Contractor and its subcontractors shall allow authorized representatives of the Contracting Officer or the Department of Labor to inspect, copy, or transcribe records maintained under paragraph (d)(1) of this clause. The Contractor or subcontractor also shall allow authorized representatives of the Contracting Officer or Department of Labor to interview employees in the workplace during working hours.

(e) *Subcontracts*. The Contractor shall insert the provisions set forth in paragraphs (a) through (d) of this clause in subcontracts that may require or involve the employment of laborers and mechanics and require subcontractors to include these provisions in any such lower tier subcontracts. The Contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the provisions set forth in paragraphs (a) through (d) of this clause.

5. CLEAN AIR ACT

By signing this Contract, the Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Further, the Contractor agrees to include this clause in all subcontracts in excess of \$150,000.

6. DEBARMENT AND SUSPENSION

By signing this Contract, the Contractor certifies to the best of its knowledge and belief that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions(Federal, State, or local) terminated for cause or default.

7. BYRD ANTI-LOBBYING AMENDMENT

By signing this Contract, the Contractor certifies that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Further, the Contractor certifies that it has not engaged in lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. The Contractor must require the same certification from all subcontractors with subcontracts valued in excess of \$100,000 under this Contract.

8. SMALL BUSINESS REQUIREMENTS

The Contractor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

Affirmative steps must include:

- (1) Placing qualified small and minority businesses and women's business enterprises on subcontract solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources for subcontracting;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

9. PROCUREMENT OF RECOVERED MATERIALS

The Contractor must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired by the preceding fiscal year exceeded

\$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

10. ANTI-KICKBACK PROCEDURES.

(a) Definitions.

“Kickback,” as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided to any prime Contractor, prime Contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract.

“Person,” as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or individual.

“Prime contract,” as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.

“Prime Contractor” as used in this clause, means a person who has entered into a prime contract with the United States.

“Prime Contractor employee,” as used in this clause, means any officer, partner, employee, or agent of a prime Contractor.

“Subcontract,” as used in this clause, means a contract or contractual action entered into by a prime Contractor or subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.

“Subcontractor,” as used in this clause,

(1) means any person, other than the prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and

(2) includes any person who offers to furnish or furnishes general supplies to the prime Contractor or a higher tier subcontractor.

“Subcontractor employee,” as used in this clause, means any officer, partner, employee, or agent of a subcontractor.

(b) The 41 U.S.C. chapter 87, Kickbacks, prohibits any person from --

- (1) Providing or attempting to provide or offering to provide any kickback;
- (2) Soliciting, accepting, or attempting to accept any kickback; or
- (3) Including, directly or indirectly, the amount of any kickback in the contract price charged by a prime Contractor to the United States or in the contract price charged by a subcontractor to a prime Contractor or higher tier subcontractor.

(c)

(1) The Contractor shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in paragraph (b) of this clause in its own operations and direct business relationships.

(2) When the Contractor has reasonable grounds to believe that a violation described in paragraph (b) of this clause may have occurred, the Contractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the contracting agency, the head of the contracting agency if the agency does not have an inspector general, or the Attorney General.

(3) The Contractor shall cooperate fully with any Federal agency investigating a possible violation described in paragraph (b) of this clause.

(4) The Contracting Officer may

(i) offset the amount of the kickback against any monies owed by the United States under the prime contract and/or

(ii) direct that the Prime Contractor withhold from sums owed a subcontractor under the prime contract the amount of the kickback. The Contracting Officer may order that monies withheld under subdivision (c)(4)(ii) of this clause be paid over to the Government unless the Government has already offset those monies under subdivision (c)(4)(i) of this clause. In either case, the Prime Contractor shall notify the Contracting Officer when the monies are withheld.

(5) The Contractor agrees to incorporate the substance of this clause, including subparagraph (c)(5) but excepting subparagraph (c)(1), in all subcontracts under this contract which exceed \$150,000.

11. ENERGY EFFICIENCY IN ENERGY CONSUMING PRODUCTS

(a) Definition. As used in this clause--

“Energy-efficient product”—

(1) Means a product that—

(i) Meets Department of Energy and Environmental Protection Agency criteria for use of the Energy Star trademark label; or

(ii) Is in the upper 25 percent of efficiency for all similar products as designated by the Department of Energy's Federal Energy Management Program.

(2) The term "product" does not include any energy-consuming product or system designed or procured for combat or combat-related missions (42 U.S.C. 8259b).

(b) The Contractor shall ensure that energy-consuming products are energy efficient products (i.e., ENERGY STAR® products or FEMP-designated products) at the time of contract award, for products that are—

(1) Delivered;

(2) Acquired by the Contractor for use in performing services at a Federally-controlled facility;

(3) Furnished by the Contractor for use by the Government; or

(4) Specified in the design of a building or work, or incorporated during its construction, renovation, or maintenance.

(c) The requirements of paragraph (b) apply to the Contractor (including any subcontractor) unless—

(1) The energy-consuming product is not listed in the ENERGY STAR® Program or FEMP; or

(2) Otherwise approved in writing by the Contracting Officer.

(d) Information about these products is available for—

(1) ENERGY STAR® at <http://www.energystar.gov/products>; and

(2) FEMP at http://www1.eere.energy.gov/femp/procurement/eep_requirements.html.

SCHEDULE D – SCOPE OF WORK

Work to be accomplished will involve the implementation of a grouted sloping boulder drop structure with reinforced banks, channel slope improvements and protection of the existing exposed utilities and private property per the specifications and Exhibit 10 – Construction Plan Set.

SCHEDULE E - LIST OF EXHIBITS

- Exhibit 1 Sample Contract
- Exhibit 2 Minimum Insurance Requirements
- Exhibit 3 Qualification Statement
- Exhibit 4 Representations and Certifications
- Exhibit 5 Bid Bond (If Required)
- Exhibit 6 Certification Regarding Debarment
- Exhibit 7 Restrictions on Lobbying Certification
- Exhibit 8 Non-Collusion Affidavit
- Exhibit 9 Equal Opportunity Status Report
- Exhibit 10 Construction Plan Set

EXHIBIT 1 SAMPLE CONTRACT

The Construction Sample Contract Template, Version 100316, may be found on the City website, at the following address:

<https://www.coloradosprings.gov/finance/page/procurement-regulations-and-documents>.

EXHIBIT 2 MINIMUM INSURANCE REQUIREMENTS

MINIMUM INSURANCE REQUIREMENTS

The following listed minimum insurance requirements shall be carried by all contractors and consultants unless otherwise specified in the City's solicitation package, Special Provisions or Standard Specifications.

<input checked="" type="checkbox"/>	Workers' Compensation and Employers Liability as required by statute. Employers Liability coverage is to be carried for a minimum limit of \$100,000.
<input checked="" type="checkbox"/>	Automobile Liability covering any auto (including owned, hired, and non-owned autos) with a minimum of \$1,000,000 each accident combined single limit.
<input checked="" type="checkbox"/>	Commercial General Liability for limits not less than \$1,000,000 combined single limit for bodily injury and property damage for each occurrence. Coverage shall include blanket contractual, broad form property damage, products and completed operations and contractors protective endorsements.
<input type="checkbox"/> N/A	Liquor Legal Liability Insurance: If the event producer is a business that manufactures, distributes, sells, or serves alcoholic beverages, and intends to serve or sell alcoholic beverages at an event, they must also submit a Certificate of Insurance providing proof of a liquor legal liability insurance policy or properly endorsed general liability policy. <ul style="list-style-type: none"> a. If this event producer hires a vendor to serve or sell alcoholic beverages, rather than providing the alcohol themselves, they must submit a Certificate of Insurance from the vendor providing proof of a liquor legal liability insurance policy or properly endorsed general liability policy. b. In either case, the minimum acceptable limit of liability per claim and aggregate is \$1,000,000. This requirement applies to the business or group which serves or sells the alcohol.
<input type="checkbox"/> N/A	Technology Errors and Omissions Liability including Network Security and Privacy Liability not less than \$3,000,000 per loss with a \$3,000,000 aggregate. <ul style="list-style-type: none"> a. The policy shall provide a waiver of subrogation. b. The insurance shall provide coverage for liability arising from theft, dissemination and/or use of confidential information stored or transmitted in electronic form. c. Network Security Liability arising from the unauthorized access to, use of or tampering to gain access to your services including denial of service, unless caused by a mechanical or electrical failure d. Liability arising from the introduction of a computer virus into, or otherwise causing damage to, a customer's or third person's computer, computer system, network or similar computer related property and the data, software, and programs thereon.
<input type="checkbox"/> N/A	Excess Liability for limits not less than \$1,000,000 combined single limit for bodily injury and property damage for each occurrence.

<input type="checkbox"/> N/A	Builders Risk or Installation Floater Insurance: Contractor shall purchase and maintain property insurance written on a builder’s risk “all-risk” or equivalent policy form in the amount of the initial Contract Sum, plus value of subsequent Contract Modifications and cost of materials supplied or installed by others, comprising total value for the entire Project at the site on a replacement cost basis without optional deductibles. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made or until no person or entity other than the Owner has an insurable interest in the property.
<input type="checkbox"/> N/A	Professional Liability Insurance covering any damages caused by an error, omission or any negligent acts with limits of not less than \$1,000,000 per occurrence and in the aggregate. The coverage shall have an extended reporting period of 2 years following the date of substantial completion of the project for reporting of claims.
<input type="checkbox"/> N/A	Pollution Legal Liability Insurance for limits of not less than \$1,000,000 for sudden and accidental incidents including on-site clean-up for new conditions, third party liability for bodily injury and property damage at on-site and off-site locations, and third party clean-up for new and pre-existing conditions.

Except for workers’ compensation and employer’s liability insurance, the **City of Colorado Springs must be named as an additional insured**. Certificates of Insurance must be submitted before commencing the work and provide 30 days’ notice prior to any cancellation, non-renewal, or material changes to policies required under the contract.

All coverage furnished by contractor is primary, and any insurance held by the City of Colorado Springs is excess and non-contributory.

The undersigned certifies and agrees to carry and maintain the insurance requirements indicated above throughout the contract Period of Performance.

(Name of Company)

(Signature) *(Date)*

EXHIBIT 3 – QUALIFICATION STATEMENT

**CITY OF COLORADO SPRINGS
QUALIFICATION STATEMENT**

This statement will provide information which will enable the City to evaluate the qualifications of your firm and staff with regard to the requirements of this Invitation for Bid. Please complete this form in its entirety and submit it (in the number of copies requested) along with the other required proposal documents. If a request in the Qualification Statement is contained in the Bid, indicate the section in the Bid where that information can be found.

(PRINT)

FIRM NAME: _____
ADDRESS: _____
CITY STATE ZIP: _____
AUTHORIZED REPRESENTATIVE: _____
TITLE: _____
AUTHORIZED SIGNATURE: _____
PHONE: _____ FAX: _____
E-MAIL ADDRESS: _____

1. TYPE OF BUSINESS

2. TYPE OF LICENSE & LOCATION

CORPORATION

INDIVIDUAL

PARTNERSHIP

JOINT VENTURE

OTHER: _____

3. TYPE OF SERVICE TO BE PROVIDED FOR RFP: _____

4. NUMBER OF YEARS IN BUSINESS: _____

5. ON A SEPARATE SHEET PROVIDE A BRIEF HISTORY OF YOUR FIRM, STAFF SIZE AND EXPERIENCE. SUBMIT A RESUME FOR THE PROJECT MANAGER AND EACH KEY PERSONNEL ASSIGNED TO THIS PROJECT.

6. WHAT OTHER NAME(S) HAS YOUR COMPANY OPERATED UNDER: _____

7. HAVE YOU OR YOUR FIRM EVER FAILED TO COMPLETE ANY WORK AWARDED TO YOU? YES NO IF "YES", EXPLAIN:

8. HAS ANY OFFICER OR PARTNER OF YOUR ORGANIZATION EVER BEEN AN OFFICER OR PARTNER OF ANOTHER ORGANIZATION THAT FAILED TO COMPLETE A CONTRACT WITHIN THE LAST FIVE (5) YEARS? YES NO

IF "YES", EXPLAIN:

RFP YR-NMBR

QUALIFICATION STATEMENT – PAGE 2

9. HAS YOUR FIRM OR ANY PARTNERS OR OFFICERS EVER BEEN INVOLVED IN ANY BANKRUPTCY ACTION? YES NO IF "YES", EXPLAIN:

10. ARE YOU PRESENTLY INVOLVED IN ANY LITIGATION WITH ANY GOVERNMENT AGENCY? YES NO IF "YES", EXPLAIN TYPE, KIND, PLAINTIFF, DEFENDANT, ETC., AND STATE THE CURRENT STATUS:

11. BANK REFERENCE: _____
ADDRESS: _____
CONTACT: _____ PHONE: _____

12. LIST THREE (3) SIMILAR PROJECTS (LOCAL OR STATE-WIDE) **FROM LAST FIVE (5) YEARS**-INCLUDE LOCATION OF PROJECT, SIZE OF PROJECT (CONTRACT AMOUNT), CONTACT NAME, ADDRESS, TELEPHONE NUMBERS
NOTE: DETAILED INFORMATION ON THESE PROJECTS MAY ALSO BE REQUESTED IN THE RFP PACKAGE.

1. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name and Title: _____
Contract Address: _____
Contact telephone and FAX Numbers: _____
2. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name: _____
Contract Address: _____
Contact telephone and FAX Numbers: _____
3. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name: _____
Contract Address: _____
Contact telephone and FAX Numbers: _____

13. LIST **CURRENT** SIMILAR PROJECTS (LOCAL OR STATE-WIDE) UNDER CONTRACT- INCLUDE LOCATION OF PROJECT, SIZE OF PROJECT (CONTRACT AMOUNT) CONTACT NAME, ADDRESS, TELEPHONE NUMBERS.
NOTE: DETAILED INFORMATION ON THESE PROJECTS MAY ALSO BE REQUESTED IN THE RFP PACKAGE.

1. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name and Title: _____

Contact Address:

Contact telephone and FAX Numbers:

2. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name and Title: _____
Contact Address: _____
Contact telephone and FAX Numbers: _____

3. Location of Project: _____
Size of Project: _____
Contract Amount: _____
Contact Name and Title: _____
Contact Address: _____
Contact telephone and FAX Numbers: _____

14. LIST OF SUB-CONTRACTORS TO BE USED FOR THIS PROJECT:
(INCLUDE NAME, ADDRESS, TELEPHONE NUMBER, TYPE OF WORK)

1. Name: _____
Address: _____
Telephone Number: _____
Type of Work: _____
2. Name: _____
Address: _____
Telephone Number: _____
Type of Work: _____
3. Name: _____
Address: _____
Telephone Number: _____
Type of Work: _____

IF ADDITIONAL INFORMATION IS PROVIDED ON A SEPARATE SHEET FOR ANY OF THE ITEMS, CLEARLY SPECIFY WHERE IT CAN BE LOCATED IN YOUR BID PACKAGE.

EXHIBIT 4 -- REPRESENTATIONS AND CERTIFICATIONS

1. INSURANCE REQUIREMENTS

Offeror shall comply with all insurance requirements and will submit the Insurance Certificates prior to performance start date. If limits are different from the stated amounts, Offeror shall explain variance. Certain endorsements and “additionally insured” statements may require further clarification and specific statements on a project specific basis and should have been described in the Offeror’s Bid.

Initials for 1

2. ETHICS VIOLATIONS

- a) The Offeror shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in this clause in its own operations and direct business relationships.
- b) Offeror certifies the Offeror has not violated or caused any person to violate, and shall not violate or cause any person to violate, the City’s Code of Ethics contained in Article 3, of Chapter 1 of the City Code and in the City’s Procurement Rules and Regulations
- c) When the Offeror has reasonable grounds to believe that a violation described in this clause may have occurred, the Offeror shall promptly report the possible violation to the City Contracts Specialist in writing.
- c) The Offeror must disclose with the signing of this Bid, the name of any officer, director, or agent who is also an employee of the City and any City employee who owns, directly or indirectly, an interest of ten percent (10%) or more in the Offeror’s firm or any of its branches.
- d) In addition, the Offeror must report any conflict or apparent conflict, current or discovered during the performance of the Contract, to the City Contracts Specialist.
- e) The Offeror shall not engage in providing gifts, meals or other amenities to City employees. The right of the Offeror to proceed may be terminated by written notice issued by City Contracts Specialist if Offeror offered or gave a gratuity to an officer, official, or employee of the City and intended by the gratuity to obtain a contract or favorable treatment under a contract.
- f) The Offeror shall cooperate fully with the City or any agency investigating a possible violation on behalf of the City. If any violation is determined, the Offeror will properly compensate the City.
- g) The Offeror agrees to incorporate the substance of this clause (after substituting “Contractor” for “Offeror”) in all subcontracts under this offer.

Initials for 2

3. ILLEGAL ALIENS

If Offeror has any employees or subcontractors, Offeror shall comply with § 8-17.5-101, et seq., C.R.S. regarding Illegal Aliens – Public Contracts for Services, and this section of this Agreement. 8-17.5-102 includes, in part, that:

1. Offeror shall not:
 - a. Knowingly employ or contract with an illegal alien to perform work under this Agreement; or
 - b. Enter into a contract with a subcontractor that fails to certify to Offeror that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement.
2. Offeror has verified or attempted to verify that Offeror does not employ any illegal aliens and, will participate in the E-Verify Program or State Department program in order to confirm eligibility of all employees who are newly hired to perform work under public contract for services.
3. Offeror will not use E-Verify Program or State Department program procedures to undertake pre-employment screening of job applicants while the public contract for services is being performed.
4. If Offeror obtains actual knowledge that a subcontractor performing work under this Agreement knowingly employs or contracts with an illegal alien, Provider shall:
 - a. Notify the subcontractor and the City within three days that Offeror has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and
 - b. Terminate the subcontract with the subcontractor if within three days of receiving such notice, the subcontractor does not stop employing or contracting with the illegal alien. However, the Offeror shall not terminate the contract with the subcontractor if during this three day period:
 - i. The subcontractor provides information which establishes that the subcontractor has not knowingly employed or contracted with an illegal alien, and
 - ii. The Offeror will not employ the illegal aliens in the performance of any City contract.
5. Offeror shall comply with any reasonable request by the Department of Labor and Employment made in the course of an investigation that the Department is undertaking pursuant to the authority established in §8-17.5-102(5), C.R.S.
6. If Offeror violates this provision, the City may terminate the contract for a breach of contract. If the Agreement is terminated, the Offeror shall be liable for actual and consequential damages.

Initials for 3

4. COOPERATION WITH OTHER CONTRACTORS

Other City activities/contracts may be in progress or start during the performance of this

contract. The Offeror shall coordinate the work harmoniously with the other contractors or City personnel, if applicable.

Initials for 4

5. INTERNET USE

Should the Offeror require access to City Internet resources in the performance of this requirement, a "Contractor's Internet Use Agreement" form must be separately signed by each individual having access to the City Network. The completed Contractor's Internet Use Agreement will be maintained with this agreement. Inappropriate use of the City Network will be grounds for immediate termination of any awarded contact.

Initials for 5

6. LITIGATION

If awarded a contract, Offeror shall notify the City within five (5) calendar days after being served with a summons, complaint, or other pleading in any matter which has been filed in any federal or state court or administrative agency. The Offeror shall deliver copies of such document(s) to the City's Procurement Services Manager. The term "litigation" includes an assignment for the benefit of creditors, and filings of bankruptcy, reorganization and/or foreclosure.

Initials for 6

7. CONTRACTOR'S REGISTRATION INFORMATION

Offeror's firm verifies and states that they are (check all that apply):

_____ Large Business (i.e. do not qualify as a small business or non-profit)

_____ Nonprofit

_____ Small Business

_____ Minority Owned Business/Small Disadvantaged Business

_____ Woman Owned Business

_____ Veteran Owned Business

_____ Service-Disabled Veteran Owned Business

_____ HUBZone Business

Note: The City accepts self-certification for these categories in accordance with Small Business Administration (SBA) standards. The SBA size standards are found on the SBA website <https://www.sba.gov/content/am-i-small-business-concern>.

Initials for 7

8. CONTRACTOR PERSONNEL

- a) The Offeror shall appoint one of its key personnel as the “Authorized Representative” who shall have the power and authority to interface with the City and represent the Offeror in all administrative matters concerning this Bid and any awarded contract, including without limitation such administrative matters as correction of problems modifications, and reduction of costs.
- b) The Authorized Representative shall be the person identified in the Offeror’s Bid, unless the Offeror provides written notice to the City naming another person to serve as its Authorized Representative. Communications received by the City Contracts Specialist from the Authorized Representative shall be deemed to have been received from the Offeror.

The individual, _____ (Name)
with position, _____ (Title)
Can be reached at _____
Work telephone number: _____
Home telephone number: _____
Cellular telephone number: _____
E-mail address: _____

Initials for 8

9. OFFEROR’S CERTIFICATION

The undersigned hereby affirms that:

- a) He/She is a duly authorized agent of the Offeror;
- b) He/She has read and agrees to the City’s standard terms and conditions attached.
- c) The offer is presented in full compliance with the collusive prohibitions of the City of Colorado Springs. The Offeror certifies that no employee of its firm has discussed, or

compared the offer with any other offeror or City employee and has not colluded with any other offeror or City employee.

d) The Offeror certifies that it has checked all of its figures, and understands that the City will not be responsible for any errors or omissions on the part of the Offeror in preparing its Bid.

e) By submitting an offer the Offeror certifies that it has complied and will comply with all requirements of local, state, and federal laws, and that no legal requirements have been or will be violated in making or accepting this solicitation.

I hereby certify that I am submitting the Bid based on my company's capabilities to provide quality products and/or services on time.

Initials for 9

10. OFFEROR CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS:

1. The Offeror certifies to the best of its knowledge and belief, that (i) the Offeror and/or any of its Principals
 - a. Are (), Are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
 - b. Have (), Have not (), within a three year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, local) contract or subcontract; violation of Federal or state antitrust statutes relation to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, tax evasion, or receiving stolen property; and
 - c. Are (), Are not () presently indicated for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in any paragraphs above.
2. The Offeror shall provide immediate written notice to the City Contracts Specialist if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reasons of changed circumstances.
3. The certification in paragraph 1. above, is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the City, the City Contracts Specialist may terminate the contract resulting from this solicitation for default. Termination for default may result in additional charges being levied for the costs incurred by the City to initiate activities to replace the awarded Contractor.

Initials for 10

**11. ACCEPTANCE OF CITY CONTRACTS SPECIALIST'S SOLE AUTHORITY
FOR CHANGES**

Unless otherwise specified in the Contract, the Offeror hereby agrees that any changes to the scope of work, subsequent to the original contract signing, shall be generated in writing and an approval signature shall be obtained from the City Contracts Specialist prior to additional work performance.

Initials for 11

Name of Company:

Federal Tax ID Number:

DUNS Number:

Principle Place of Business:

Signature of Authorized Representative

Printed Name:

Title:

Date:

EXHIBIT 5 CITY OF COLORADO SPRINGS BID BOND

1. KNOW ALL MEN BY THESE PRESENTS, THAT:

 (Name) _____ As Principal, hereinafter called Principal, and

 (Address)

 (SURETY Name) _____ a corporation organized and existing under the
 laws of the State of:

 (SURETY Address)
 and AUTHORIZED TO DO BUSINESS IN THE STATE OF COLORADO, as Surety, hereinafter called Surety, are held firmly bound
 to the CITY OF COLORADO SPRINGS, COLORADO, as Obligee, hereinafter called the Obligee, in the sum of: (Insert Bid
 Amount in Words) _____ (\$ _____ DOLLARS),

lawful money of the United States of America, for payment of which sum well and truly to be made, the Principal and the Surety
 bind themselves, their heirs, executors, successors and assigns, jointly and severally, firmly by these presents.

2. WHEREAS, the Principal has submitted to the Obligee,

a contract bid dated the _____ day of _____ For the following contract:

3. NOW THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH THAT, If Principals bid is accepted by Obligee and
 Principal is awarded the contract in whole or in part, and the Principal shall enter into the contract with the Obligee in
 accordance with the terms of such bid, and give such Payment, Performance, and Maintenance bond or bonds as may be
 specified in the bidding or contract documents with good and sufficient surety for the faithful performance of such Contract and
 for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal
 to enter such contract and give such bond or bonds, if the Principal shall promptly pay to the Obligee the amount of this bond
 as set forth herein above, then this obligation shall be null and void, otherwise this obligation to remain in full force and effect.

Signed and sealed on the dates set forth below:

 (Witness) FOR: _____
 (Principals Name)

BY: _____

ITS: _____

(Seal) This _____ day of _____

 (Witness) FOR: _____
 (Surety's Name)

BY: _____

ITS: _____

(Seal) This _____ Day of _____

Bond # _____ This Bond (is) ___ (is not) a SBA Guaranteed Bond.

EXHIBIT 6 – CERTIFICATION REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The undersigned duly authorized official of the proposer certifies to the best of its knowledge and belief, that it and its principals:

- A. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.
- B. Have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements or receiving stolen property.
- C. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph (B) of this certification; and
- D. Have not within a three-year period preceding this application/proposal had one or more public transaction (federal, state or local) terminated for cause or default.
- E. Are not on the Comptroller General’s List of Ineligible Bidders or any similar list maintained by any other governmental entity.

Where the proposer is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

(Check One)

I DO CERTIFY (____)

I DO NOT CERTIFY (____)

Date: _____

Signature: _____

Title: _____

EXHIBIT 7 – RESTRICTIONS ON LOBBYING CERTIFICATION

Pursuant to United States Public Law 101-121, Section 319, the undersigned duly authorized official of the proposer hereby certifies, to the best of her/his knowledge and belief, that:

1. No Federal appropriated funds have paid or will be paid, by or on behalf of the undersigned, to any person for the purpose of influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress, in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person or agency for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress, in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit a Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned duly authorized official shall require and ensure that the language of this certification be included in any award documents for subcontracts, grants, loans, and cooperative agreements, and that all subcontractors shall so certify and disclose accordingly.

This Certification is a material representation of fact, upon which reliance was placed when this transaction was made or entered into. The submission of this Certification is a prerequisite for making or entering into this transaction, imposed by Title 31 USC Section 1352. Any proposer (person) who fails to file the required certification shall be subject to civil penalty of not less than ten thousand dollars (\$10,000) and not more than one hundred thousand dollars (\$100,000) for each such failure to file.

Proposer: _____

Signature: _____

Title: _____

Date: _____

EXHIBIT 8 – NON-COLLUSION AFFIDAVIT

The undersigned duly authorized official of the proposer hereby certifies, to the best of her/his knowledge and belief, that:

1. That I am an officer or employee of the _____(proposing entity) having the authority to sign on behalf of the corporation, and,

2. That the prices in the attached proposal were arrived at independently by _____(proposing entity) without collusion, consultation, communication, or any agreement, for the purpose of restricting competition as to any matter relating to such prices with any other proposer or with any other competitor regarding an understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or service described in the RFP/IFB designed to limit independent proposals or competition; and

3. That unless otherwise required by law, the contents and prices contained in the proposal have not been communicated by _____(proposing entity) or its employees or agents to any person not an employee or agent of _____(proposing entity), or its surety on any bond furnished with the proposal, and will not be communicated to any such person prior to the official opening of the proposal; and,

4. That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

Proposer: _____

Signature: _____

Title: _____

Date: _____

EXHIBIT 9 – EQUAL EMPLOYMENT STATUS REPORT

Contractor's Name

Street Address

City _____ State _____ Zip _____

This firm is:

_____ Independently owned and operated

_____ An Affiliate Parent Company

or

_____ A Subsidiary of Address

or

_____ A Division City and State

Zip _____

1. Contractor ____ HAS ____ HAS NOT

Developed and has on file an affirmative action program in conformance with 41 CFR 60-2.

2. Contractor ____ HAS ____ HAS NOT

Participated in any previous contract or subcontract subject to the equal opportunity clause either with the City or any Federal agency.

3. Contractor ____ HAS ____ HAS NOT

Filed with the City, or where applicable, joint Reporting Committee, or other Federal Agency, all reports due under the applicable contract(s) or subcontract(s).

Contractor's Equal Employment Opportunity Program ____ HAS ____ HAS NOT been subject to a Federal Equal Opportunity Compliance Review. If so, then state date of Review below.

Signature _____ Date _____

Title _____

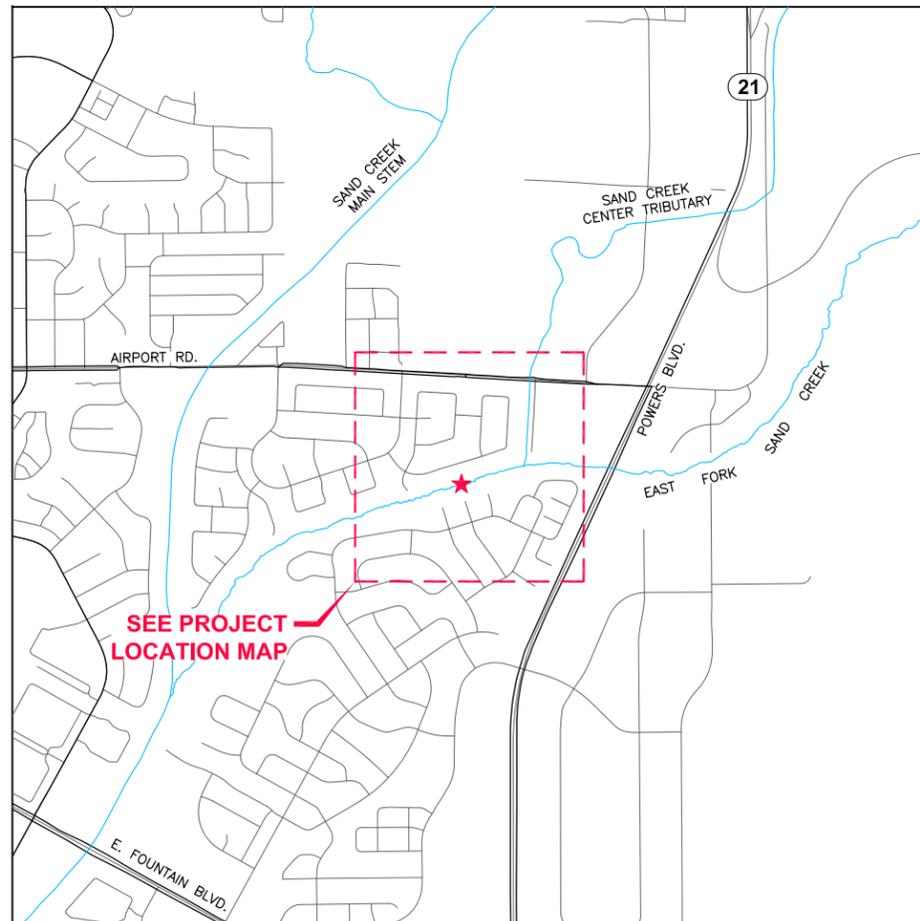


EXHIBIT 10 - CONSTRUCTION PLAN SET

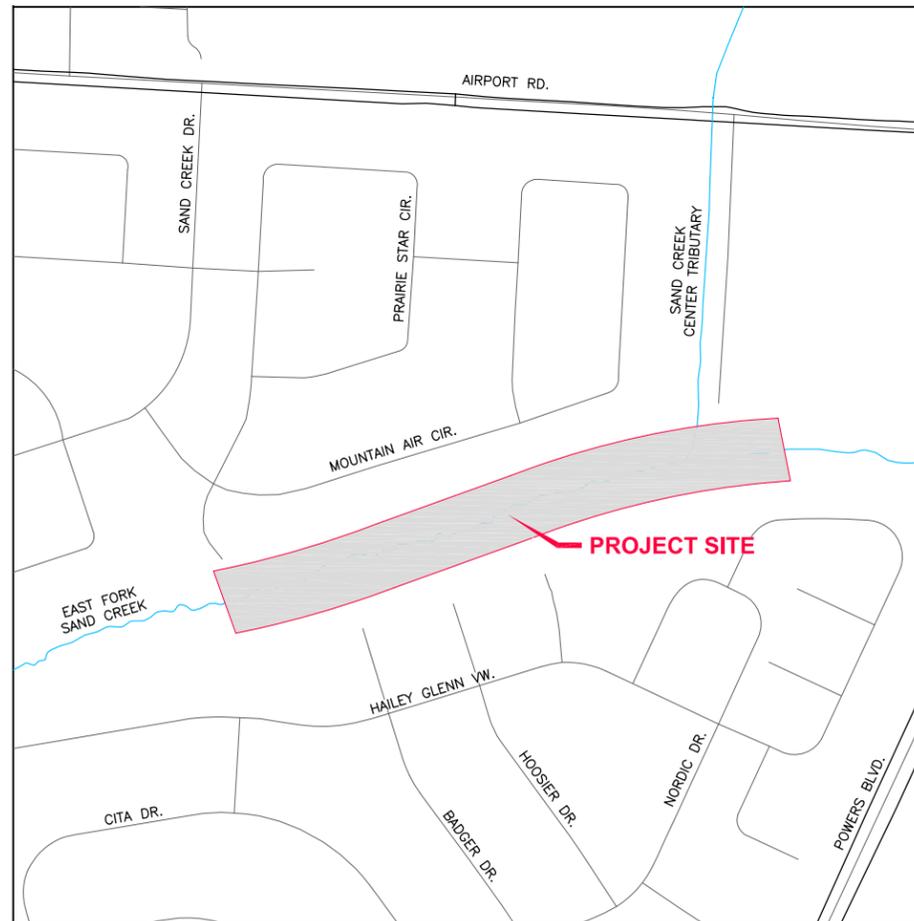
CITY OF COLORADO SPRINGS, EL PASO COUNTY, COLORADO

CONSTRUCTION PLAN SET

EAST FORK SAND CREEK STABILIZATION PROJECT
IMPROVEMENTS AT MOUNTAIN AIR CIRCLE
CITY/FEMA PROJECT NO: CS-027 , FLD 025-1,2



VICINITY MAP
SCALE: NTS



PROJECT LOCATION MAP
SCALE: NTS



PROJECT DRAWING LIST		
SHEET NUMBER	SHEET NAME	SHEET DESCRIPTION
GENERAL SHEETS		
1	G000	COVER SHEET
2	G001	LEGEND AND ABBREVIATIONS
3	G002	GENERAL NOTES
4	G003	SPECIFICATION NOTES
5	G004	SPECIFICATION NOTES
CIVIL SHEETS		
6	C000	HORIZONTAL/SURVEY CONTROL PLAN
7	C100	OVERALL SITE PLAN
8	C101	PLAN AND PROFILE STA 0+00 TO 4+90
9	C102	PLAN AND PROFILE STA 4+90 TO 10+00
10	C103	PLAN AND PROFILE STA 10+00 TO 15+00
11	C104	CHANNEL LINING PLAN
12	C105	GRADING PLAN STA 0+00 TO 5+00
13	C106	GRADING PLAN STA 5+00 TO 10+00
14	C107	GRADING PLAN STA 10+00 TO 15+00
15	C108	DROP STRUCTURE 1 PLAN
16	C109	DROP STRUCTURE 2 PLAN
17	C110	DROP STRUCTURE 3 PLAN
18	C111	DROP STRUCTURE 4 PLAN
19	C112	CROSS-SECTIONS
20	C113	CROSS-SECTIONS
21	C114	CROSS-SECTIONS
22	C115	CROSS-SECTIONS
23	C116	DETAIL SHEET
24	C117	DETAIL SHEET
25	C118	DETAIL SHEET

REVIEWED BY:

CITY ENGINEERING

BY: _____ DATE: _____

PEAK RESOURCE CONSERVATION, INC.

BY: RAY PEREZ P.E. 37173 DATE: _____



100% SET
DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK
VERIFY SCALES	<p>BASE IS ONE INCH ON ORIGINAL DRAWING</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>
<p>EAST FORK SAND CREEK STABILIZATION PROJECT</p> <p>COVER SHEET</p>	
SCALE	HORZ: - VERT: -
DATE	11/01/16
SHEET	G000
1 OF 25 SHEETS	

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 Drawn: C:_PRC\PROJECTS\SAND_CREEK_EAST_FORK\SAND_CREEK_EAST_FORK\DWG\CDS - EAST - COVER - G000.DWG - Layout: COVER SHEET
 Xrefs: 000 - WM - COVER.DWG TITLE BLOCK - CDS - EAST.DWG - Images: COLORADO_SPRINGS_LOGO_LG.JPG COLORADO_SPRINGS_LOGO_LG.JPG PRC-11-LOGO-KH-GRN

CIVIL SYMBOLOLOGY

SYMBOL OR LINETYPE	DESCRIPTION
	5255 HORIZONTAL CONTROL LOCATION AND CALLOUT
	B-101 CONSTRUCTION NOTE
	TP-101 SOIL BORING
	P_SSB# SOIL TEST PIT
	75.8 WETLAND DELINEATION SAMPLE PLOT
	UTILITY POT HOLE
	75.8 SURFACE SPOT ELEVATION
	DIRECTION OF SURFACE RUNOFF
	DITCH OR STREAM CENTERLINE
	CUT SLOPE
	FILL SLOPE
	CONSTRUCTION ENTRANCE
	CONSTRUCTION STAGING AREA
	DIVERSION CULVERT INLET PROTECTION
	PERMANENT EASEMENT
	TEMPORARY OR CONSTRUCTION EASEMENT
	PROPERTY LINES
	RIGHT OF WAY LINES
	CHANNEL CENTERLINE
	BARBED WIRE FENCE
	WOOD FENCE
	HVF CONSTRUCTION HIGH VISIBILITY FENCE
	TREE PROTECTION OR CHAIN LINK FENCE
	100 YEAR 100 YEAR WATER SURFACE ELEVATION
	GUARDRAIL
	PROFILE FINAL GRADE SURFACE
	PROFILE EXISTING GRADE SURFACE
	20 MAJOR CONTOURS AND LABELS
	21 MINOR CONTOURS
	WTL WETLAND BOUNDARY AND HATCHING
	CONSTRUCTION LIMIT
	WETLAND BUFFER
	MHHW MEAN HIGH WATER
	EOP EDGE OF PAVEMENT
	SHORELINE JURISDICTION
	STREAM BUFFER
	OHW ORDINARY HIGH WATER
	VEGETATION LINE
	CONIFER TREE
	DECIDUOUS TREE

SYMBOL OR LINETYPE	DESCRIPTION
	RIPARIAN
	UPLAND UPLAND SEED MIX
	LOW GROW SEED MIX/LAWN SEED MIX
	WET NATIVE SEED MIX
	ASPHALT OVERLAY
	EROSION CONTROL BLANKET OR MAT
	CONCRETE
	GRAVEL, DRAIN ROCK OR AGGREGATE BASE
	SANDBAG REVETMENT
	DEMOLITION
	CRUSHED GRAVEL SURFACING
	BOULDERS/RIPRAP
	EROSION CONTROL BLANKET
	EXISTING SOIL

EXISTING CIVIL SYMBOLOLOGY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MONUMENT	GTP	GATE POST
	MONUMENT IN CASE	MB	MAIL BOX
	REBAR & CAP		CONIFEROUS TREE
	SCRIBED "X"		DECIDUOUS TREE
	PK NAIL		TEST HOLE (WITH FIELD IDENTIFIER)
	METAL SIGN POST		YARD LIGHT OR LUMINAIRE W/NO MAST
	WOOD SIGN POST		GRATE INLET
	SANITARY SEWER MANHOLE	CPEP	CORRUGATED POLYETHYLENE PIPE
	STORM DRAIN MANHOLE	RCP	REINFORCED CONCRETE PIPE
	CATCH BASIN	CIP	CAST IRON PIPE
WM	WATER METER	CMP	CORRUGATED METAL PIPE
	GAS VALVE	DIP	DUCTILE IRON PIPE
TR	TRAFFIC JUNCTION BOX		WATER MANHOLE
EL	ELECTRICAL JUNCTION BOX		WATER VALVE
PM	POWER METER		FIRE HYDRANT
TC	TELECOMMUNICATION JUNCTION BOX		
CT	CABLE TV JUNCTION BOX	LINETYPE	DESCRIPTION
	JUNCTION BOX		GENERIC GAS LINE
P	POWER VAULT		IRRIGATION
TEL	TELECOMMUNICATION RISER		STORM DRAIN
	UTILITY POLE		SANITARY SEWER
UG	UTILITY POLE W/CONDUITS TO UNDERGROUND		FORCEMAIN
	GUY ANCHOR		GENERIC WATER LINE
GPO	GUY POLE		UNDERGROUND POWER
	TRAFFIC SIGNAL POLE W/ LUMINAIRE		UNDERGROUND FIBER OPTIC
	LUMINAIRE (SINGLE FIXTURE)		UNDERGROUND TELEPHONE
	LUMINAIRE (SINGLE FIXTURE) W/CONDUITS TO UNDERGROUND		UNDERGROUND TELEVISION
175+00	CENTERLINE STATIONING AND TICKS		OVERHEAD POWER
			OVERHEAD FIBER OPTIC
			OVERHEAD TELEPHONE
			OVERHEAD TELEVISION
			MAJOR CONTOUR
			MINOR CONTOUR
			STORM DRAIN PIPELINE

GENERAL NOTES:

- THIS IS A STANDARD DRAWING SHOWING COMMON SYMBOLOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.

GENERAL SYMBOLOLOGY

PLAN
SCALE: 1" = 20'

ARROW INDICATES DIRECTION OF PLAN NORTH

SECTION CUT MARKER
SCALE: 1" = 20'

SECTION LETTER
FLAG INDICATES DIRECTION OF SECTION CUT
* DRAWING WHERE SECTION VIEW IS LOCATED

SECTION
SCALE: 1" = 20'

SECTION LETTER
* DRAWING WHERE SECTION VIEW IS FIRST CUT

DETAIL MARKER
SCALE: 1" = 20'

DETAIL NUMBER
* DRAWING WHERE DETAIL IS LOCATED

DETAIL
SCALE: 1" = 20'

DETAIL NUMBER
REPRESENTATIVE LOCATION OF DETAIL

ELEVATION
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

ELEVATION IDENTIFICATION LETTER
* DRAWING WHERE POINT OF VIEW MARKER CAN BE FOUND

ELEVATION LETTER
ARROW INDICATES POINT OF VIEW
* DRAWING WHERE ELEVATION IS LOCATED

SINGLE ELEVATION OR PHOTO MARKER

IDENTIFICATION SYMBOLOLOGY

FILE TYPE DESIGNATIONS (1ST TWO DIGITS)

- 00 GENERAL
- 01 CIVIL DESIGN

DRAWING DISCIPLINE ABBREVIATIONS (1ST LETTER)

- G GENERAL
- C CIVIL

ABBREVIATIONS

ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
APPROX	APPROXIMATE OR APPROXIMATELY
BCR	BEGIN CURB RADIUS
BMP	BEST MANAGEMENT PRACTICES
CATV	CABLE TV
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE
CLR	CLEARANCE
CONC	CONCRETE
CPW	COLORADO PARKS AND WILDLIFE
DWG	DRAWING
DR	DRIVE
EA	EACH
ECA	END CURB RADIUS
EPA	ENVIRONMENTAL PROTECTION AGENCY
ELEV OR EL	ELEVATION
ESMT	EASEMENT
EW	EACH WAY
EX OR EXIST	EXISTING
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FES	FLARED END SECTION
FL	FLOWLINE
FT	FOOT/FEET
HBP	HOT BITUMINOUS PAVEMENT
HCL	HORIZONTAL CONTROL LINE
K	VERTICAL CURVE RATIO
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
NTS	NOT TO SCALE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE OR POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
RAD	RADIUS, OR CENTER OF RADIUS
ROW	RIGHT-OF-WAY
RT	RIGHT
ST	STREET
STA	STATION
STD	CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS
SW	SIDEWALK
TBC	TOP BACK OF CURB
TYP	TYPICAL
TER	TERRACE
UG	UNDERGROUND
USACOE	UNITED STATES ARMY CORPS OF ENGINEERS
WWF	WELDED WIRE FABRIC

MISC. ABBREVIATIONS

@	AT
∅	PHASE, DIAMETER AND
'	FEET, MINUTES
"	INCHES, SECONDS
°	DEGREE
#	NUMBER
C	CENTERLINE
(E)	EXISTING
(P)	PROPOSED
(F)	FUTURE
WSE	WATER SURFACE ELEVATION

GENERAL NOTES:

- THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS.
- LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
- ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING AND "REINF" MAY MEAN EITHER REINFORCE OR REINFORCING.



100% SET

DATE: 11/1/16

DATE	BY	NO.	REVISION	PROJECT MANAGER	DESIGNED BY	DRAWN BY	CHECKED BY
				S. BURKE	REP	ISM	BK

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

EAST FORK SAND CREEK STABILIZATION PROJECT

LEGEND AND ABBREVIATIONS

SCALE
HORZ: -
VERT: -

DATE
11/01/16

SHEET
G001

2 OF 25 SHEETS

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 Xref: TITLE BLOCK - CDS - G001 - EAST.DWG - Images: COLORADO_SPRINGS_LOGO.JPG PRC-IL-LOGO-KH-GRN

GENERAL NOTES

- IT IS THE INTENT OF THESE PLANS TO SHOW APPROXIMATE LOCATIONS OF ALL EXISTING UTILITIES. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION, WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL CALL FOR UTILITY LOCATES THROUGH THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY POTENTIAL CONFLICTS.
- ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO COLORADO SPRINGS UTILITIES LINES AS A RESULT OF HIS ACTIONS. THE CONTRACTOR SHALL MAKE ALL REQUIRED REPAIRS IMMEDIATELY TO THE SATISFACTION OF THE COLORADO SPRINGS UTILITIES INSPECTOR.
- THE CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES AT (719) 668-8776 A MINIMUM OF 48 HOURS AND MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION.
- EXCEPT WHERE OTHERWISE PROVIDED FOR IN THESE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL COMPLY WITH THE MOST RECENT EDITION OF THE CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS. THIS MANUAL CAN BE FOUND ELECTRONICALLY AT WWW.SPRINGSGOV.COM.
- THE CONTRACTOR SHALL COMPLY WITH THE CURRENT OSHA, STATE, AND FEDERAL REGULATIONS WHERE APPLICABLE.
- ALL WORK SHALL BE CONTAINED WITHIN THE OWNER OBTAINED PERMANENT AND TEMPORARY EASEMENTS SHOWN IN THE DRAWINGS, OR WITHIN TEMPORARY CONSTRUCTION EASEMENTS OBTAINED BY THE CONTRACTOR.
- EXISTING FACILITIES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED IN PLACE OR REMOVED AND REPLACED IN KIND, AS APPROVED BY THE ENGINEER.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF COLORADO SPRINGS AND/OR ITS AUTHORIZED REPRESENTATIVES. THE CITY OF COLORADO SPRINGS RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DO NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE CITY OF COLORADO SPRINGS), ONE (1) COPY OF THE CITY'S STANDARD SPECIFICATIONS, AND ONE (1) COPY OF ALL REQUIRED PERMITS AT THE JOB SITE AT ALL TIMES. THE CITY OF COLORADO SPRINGS SHALL OBTAIN AND FURNISH THE CONTRACTOR WITH THE US ARMY CORPS OF ENGINEERS 404 PERMIT AND FLOODPLAIN DEVELOPMENT PERMIT.
- TOPOGRAPHIC MAPPING AND SURVEY CONTROL SHOWN ON THE DRAWINGS WAS BASED UPON FIELD SURVEYING CONDUCTED IN FEBRUARY 2016.
- THE HORIZONTAL CONTROL COORDINATE SYSTEM AND VERTICAL CONTROL DATUM IS BASED UPON THE CITY OF COLORADO SPRINGS FIMS HORIZONTAL AND VERTICAL DATUMS. THE FIMS HORIZONTAL DATUM IS STATE PLANE COORDINATES, COLORADO CENTRAL ZONE, (NAO 83), EXPRESSED IN U.S. SURVEY FEET. THE FIMS VERTICAL DATUM IS NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29), EXPRESSED IN U.S. SURVEY FEET.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING STABLE EXCAVATIONS AND TEMPORARY SLOPES FOR SATISFYING ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. TEMPORARY EXCAVATIONS SHALL PROVIDE AT MINIMUM, THE TRENCH DIMENSIONS AND CLEARANCES SHOWN OR SPECIFIED. TEMPORARY CONSTRUCTION SLOPES SHALL BE SLOPED, SHORED, SHEETED, AND/OR BRACED IN ACCORDANCE WITH STABILITY REQUIREMENTS AND APPLICABLE REGULATIONS, AND SHALL BE NOT STEEPER THAN THE MAXIMUM SLOPES SHOWN OR SPECIFIED WITHOUT THE APPROVAL OF THE ENGINEER. ANY SUCH APPROVALS BY THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FROM SOLE RESPONSIBILITY FOR PROVIDING STABLE EXCAVATIONS AND TEMPORARY SLOPES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCEPTANCE AND CONTROL OF DRAINAGE WATER FROM AREAS ADJACENT TO SAND CREEK AND FOR FLOW WITHIN SAND CREEK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING METHODS BY WHICH CHANNEL FLOW, SURFACE RUNOFF, AND SUBSURFACE SEEPAGE WILL BE TEMPORARILY DIVERTED, DETAINED, OR OTHERWISE CONTROLLED. WATER CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, AS WELL AS ALL APPLICABLE PERMIT CONDITIONS. TEMPORARY WATER CONTROL SYSTEMS SHALL NOT CAUSE INCREASED FLOODING OR AFFECT NORMAL FLOW CHARACTERISTICS DURING CONSTRUCTION. ANY DAMAGE TO THE WORK RESULTING FROM BASE FLOWS OR FLOOD FLOWS SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE COST.

THE FOLLOWING TABLE REPRESENTS APPROXIMATE FLOOD FLOW DATA FOR THE EAST FORK OF SAND CREEK IN THE VICINITY OF THE PROJECT SITE.

RECURRENCE INTERVAL	ESTIMATED PEAK DISCHARGE
100-YEAR	5,433 CFS

THE FLOOD DISCHARGE VALUES ARE BASED UPON HYDROLOGIC EVALUATIONS PRESENTED IN THE F.E.M.A. FLOOD INSURANCE STUDY FOR EL PASO COUNTY.
- THE CONTRACTOR IS ADVISED THAT THE STOCKPILING AND USE OF MATERIAL AND/OR EQUIPMENT WITHIN THE SAND CREEK CHANNEL CREATES POTENTIAL OBSTRUCTIONS TO THE FLOW OF THE STREAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THE WORK IN A MANNER THAT MINIMIZES THE REDUCTION IN CHANNEL CAPACITY AT ALL TIMES. THE CONTRACTOR IS ADVISED THAT THE STORAGE OF FUELS, CHEMICALS, TRASH DEBRIS, CONSTRUCTION MATERIAL, VEHICLES, AND EQUIPMENT SHALL BE PROHIBITED WITHIN THE SAND CREEK CHANNEL AT ALL TIMES EXCEPT AS IS ESSENTIAL TO THE PROGRESS OF THE WORK. UNDER NO CIRCUMSTANCE SHALL ANY OF THE ABOVE-MENTIONED MATERIALS BE STORED OVERNIGHT WITHIN THE CREEK CHANNEL.
- BEDROCK ELEVATION VARIES. CONTRACTOR IS RESPONSIBLE FOR DETERMINING BEDROCK ELEVATION FOR USE IN BIDDING AND CONSTRUCTION BASED ON THE GEOTECHNICAL INFORMATION IN THE CONTRACT DOCUMENTS.
- CONTRACTOR TO ENSURE THAT THE ORIGINAL SURVEY HORIZONTAL AND VERTICAL CONTROL HAS NOT BEEN DISTURBED. CONTRACTOR SHALL CONFIRM THE LOCATION AND ELEVATIONS OF ALL HORIZONTAL AND VERTICAL CONTROL POINTS PRIOR TO THE START OF CONSTRUCTION.
- BLASTING OF ANY KIND (E.G. BEDROCK REMOVAL) WILL REQUIRE A PERMIT AND NOTIFICATION OF ALL AREA RESIDENTS AND PROPERTY OWNERS PRIOR TO BLASTING IN ACCORDANCE WITH COOT STANDARD SPECIFICATION SECTION 107.11.
- THE SITE SHALL BE RETURNED TO EQUAL OR BETTER CONDITION THAN THE SITE WAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE TO EQUAL OR BETTER CONDITION ANY UTILITIES OR IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, FENCES AND ROADS, DAMAGED OR REMOVED DURING EXECUTION OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE.

NOTE:

- THIS IS A STANDARD DRAWING SHOWING COMMON NOTES. ALL NOTES ARE NOT NECESSARILY APPLICABLE TO THIS PROJECT.



100% SET
DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK
VERIFY SCALES	<p>BASE IS ONE INCH ON ORIGINAL DRAWING</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>
<p>EAST FORK SAND CREEK STABILIZATION PROJECT</p> <p>GENERAL NOTES</p>	
SCALE	HORZ: - VERT: -
DATE	11/01/16
SHEET	G002
3 OF 25 SHEETS	

User: JOSHUA_Nov_01_2016 - 2:08pm
 Dir: C:\PROJ\PROJECTS\SAND_CREEK_EAST_FORK\DWG\ - SHEETS\CDS\ - EAST_FORK_SAND_CREEK - CDS - LEGEND-ABEREY-NOTES - G001 - Layout: NOTES-01
 Xref: TITLE_BLOCK - CDS - EAST.DWG - Images: COLORADO_SPRINGS_LOGO.jpg PRC-IL-LOGO-KH-GRN

GEOTECHNICAL NOTES:

- NO GEOTECHNICAL BORINGS OR ANALYSIS WAS CONDUCTED FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR GEOTECHNICAL INVESTIGATION IF FIELD CONDITIONS VARY FROM ASSUMPTIONS MADE IN THIS PROJECT.
- ALL SITE PREPARATION AND EARTHWORK OPERATIONS SHOULD BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODES, SAFETY REGULATIONS AND OTHER STATE, LOCAL OR FEDERAL GUIDELINES.
- PRIOR TO FILL PLACEMENT, ALL VEGETATION AND UNSUITABLE MATERIAL SHALL BE REMOVED.
- ALL EXCAVATIONS MUST COMPLY WITH THE APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS, AND PARTICULARLY WITH THE EXCAVATION STANDARDS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). CONSTRUCTION SITE SAFETY, INCLUDING EXCAVATION SAFETY, IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCING OF CONSTRUCTION OPERATIONS.
- A SAMPLE OF PROPOSED IMPORTED FILL, IF REQUIRED, SHOULD BE SUBMITTED TO THE ENGINEER FOR REVIEW AND TESTING AT LEAST 3 DAYS PRIOR TO STOCKPILING ON SITE. FILL SHALL BE CERTIFIED CLEAN AND WEED FREE.
- FILL SHOULD BE PLACED IN LEVEL LIFTS AND COMPACTED TO THE SPECIFIED PERCENT COMPACTION TO PRODUCE A FIRM AND UNYIELDING SURFACE. IF FIELD DENSITY TESTS INDICATE THE REQUIRED PERCENT COMPACTION HAS NOT BEEN OBTAINED OR THE SURFACE IS PUMPING/DEFLECTING UNDER CONSTRUCTION TRAFFIC, THE FILL MATERIAL SHOULD BE RECONDITIONED AS NECESSARY AND RE-COMPACTED TO THE REQUIRED PERCENT COMPACTION BEFORE PLACING ANY ADDITIONAL MATERIAL.
- NO FILL SHALL BE PLACED ON FROSTED OR FROZEN GROUND NOR SHALL FROZEN MATERIAL BE PLACED AS FILL.
- ATTENTION TO DRAINAGE CONDITIONS DURING CONSTRUCTION IS CRITICAL TO LONG-TERM STRUCTURE AND SLOPE PERFORMANCE. DURING CONSTRUCTION, GRADE THE SITE SO THAT THE SURFACE CAN DRAIN READILY AWAY FROM THE IMPROVEMENT AREAS. PONDING OF WATER IN OR NEAR EXCAVATIONS SHOULD BE AVOIDED. PROMPTLY PUMP OUT OR OTHERWISE REMOVE WATER THAT ACCUMULATES IN EXCAVATIONS OR ON SUBGRADES, AND ALLOW THESE AREAS TO DRY-OUT BEFORE RESUMING CONSTRUCTION. USE BERM, DITCHES, AND SIMILAR MEANS TO PREVENT STORMWATER FROM ENTERING WORK AREAS AND TO CONVEY IT AWAY FROM THE WORKING AREA EFFICIENTLY.
- WHEN UNSUITABLE SOIL SUBGRADE IS ENCOUNTERED BENEATH PROPOSED IMPROVEMENTS, THE CITY OF COLORADO SPRINGS PROJECT MANAGER MAY REQUIRE THE CONTRACTOR TO OVER EXCAVATE UNSUITABLE MATERIAL AND BACKFILL TO THE FINISHED GRADE WITH APPROVED MATERIAL. SUBGRADE PREPARATION MAY REQUIRE IMPORTING OF FILL, RIPRAP, CRUSHED ROCK, GROUT, ETC IN ORDER TO REACH REQUIRED COMPACTION.
- CONTRACTOR IS RESPONSIBLE FOR TESTING COORDINATION.

CHANNEL FILL TO RESTORE STREAM GRADE (CHANNEL ONLY NO FEATURES ABOVE GRADE)	
FILL TYPE	DESCRIPTION
ENGINEERED COMPACTED FILL	SUBGRADE FOR STRUCTURAL IMPROVEMENTS, RIPRAP AND FOR BANK CONSTRUCTION. IMPORTED FILL SHALL MATCH THE REQUIREMENTS LISTED
CHANNEL ONLY NO FEATURES ABOVE GRADE	FILL TO RESTORE/CREATE HISTORIC CHANNEL GRADE. FOR CHANNEL PLACEMENT ONLY. SHALL MATCH EXISTING, NATURALLY OCCURRING SANDY GRAVELLY BED MATERIAL

ENGINEERED FILL (FILL BENEATH GROUTED BOULDERS AND IN BANKS)		
GRADATION	PERCENT FINER BY WEIGHT (ASTM C136)	LIQUID LIMIT = NV PLASTICITY INDEX = NP
3"	100	
NO. 4 SIEVE	50-100	
NO. 200 SIEVE	3-12	

COMPACTION SPECIFICATIONS ENGINEERED FILL	
ITEM	DESCRIPTION
LIFT THICKNESS	8" MAX LOOSE THICKNESS
MINIMUM COMPACTION REQUIREMENTS	95% MAX DRY DENSITY (ASTM D698 STANDARD)
MOISTURE CONTENT	±2% OPTIMUM

CHANNEL FILL TO RESTORE STREAM GRADE (CHANNEL ONLY NO FEATURES ABOVE GRADE)	
FILL TYPE	DESCRIPTION
ON-SITE SOILS	ON-SITE SOILS AND/OR IMPORTED SOILS SHALL MATCH THE CHARACTERISTICS OF THE NATURALLY OCCURRING STREAM BED. THEY SHALL BE SANDY/GAVELLY WITH MINIMAL FINES. THE TOP 2' SHALL BE FREE OF DELETERIOUS MATERIAL.
IMPORTED SOILS	

COMPACTION SPECIFICATIONS (CHANNEL ONLY NO FEATURES ABOVE GRADE)	
ITEM	DESCRIPTION
LIFT THICKNESS	18" MAX LOOSE THICKNESS
MINIMUM COMPACTION REQUIREMENTS	ROLLED/TAMPED DURING PLACEMENT ACTIVITIES
MOISTURE CONTENT	NOT SPECIFIED

NOTE:

- THIS IS A STANDARD DRAWING SHOWING COMMON NOTES. ALL NOTES ARE NOT NECESSARILY APPLICABLE TO THIS PROJECT.



100% SET
DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



EAST FORK SAND CREEK STABILIZATION PROJECT
SPECIFICATION NOTES

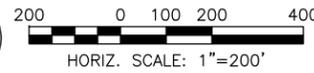
SCALE	HORIZ: - VERT: -
DATE	11/01/16
SHEET	G004
5 OF 25 SHEETS	

User: pschua Nov 01 2016 - 2:08pm
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Xref: TITLE BLOCK - CDS - EAST.DWG - Images: COLORADO_SPRINGS_LOGO.JPG PRC-IL-LOGO-KH-GRN



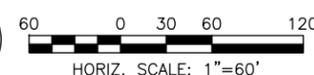
OVERALL VIEW

SCALE: 1"=200'



SITE 1

SCALE: 1"=60'



Benchmark: FIMS Monument PW20, a 2-inch dia. Aluminum cap on NE corner of electric vault, west side of Powers Blvd, opposite 6th light pole south of Airport Road = 6117.46 US Survey feet, NGVD 1929 and 1960 Supplementary adjustment.

Basis of Bearings: Fence on North side of Sand Creek along rear lot line parallel to Mountain Air Circle and was taken from the plat as S73deg00'00"W.

CONTROL POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
3	9917.3115	9126.23	6096.9325	CP 60D NAILTRAIL
4	9808.7722	8745.5005	6092.0892	CP 60D NAIL
74	10031.8110	9261.1510	6102.9629	CP 60D N E
163	9979.1558	8833.7609	6095.1845	CP 60D
540	9720.9938	8507.4474	6087.5932	CP 60D 0+25
546	9517.2391	7915.0773	6076.8520	CP 60D 6+50

NO.	REVISION	BY	DATE

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



EAST FORK SAND CREEK STABILIZATION PROJECT
HORIZONTAL/SURVEY CONTROL PLAN

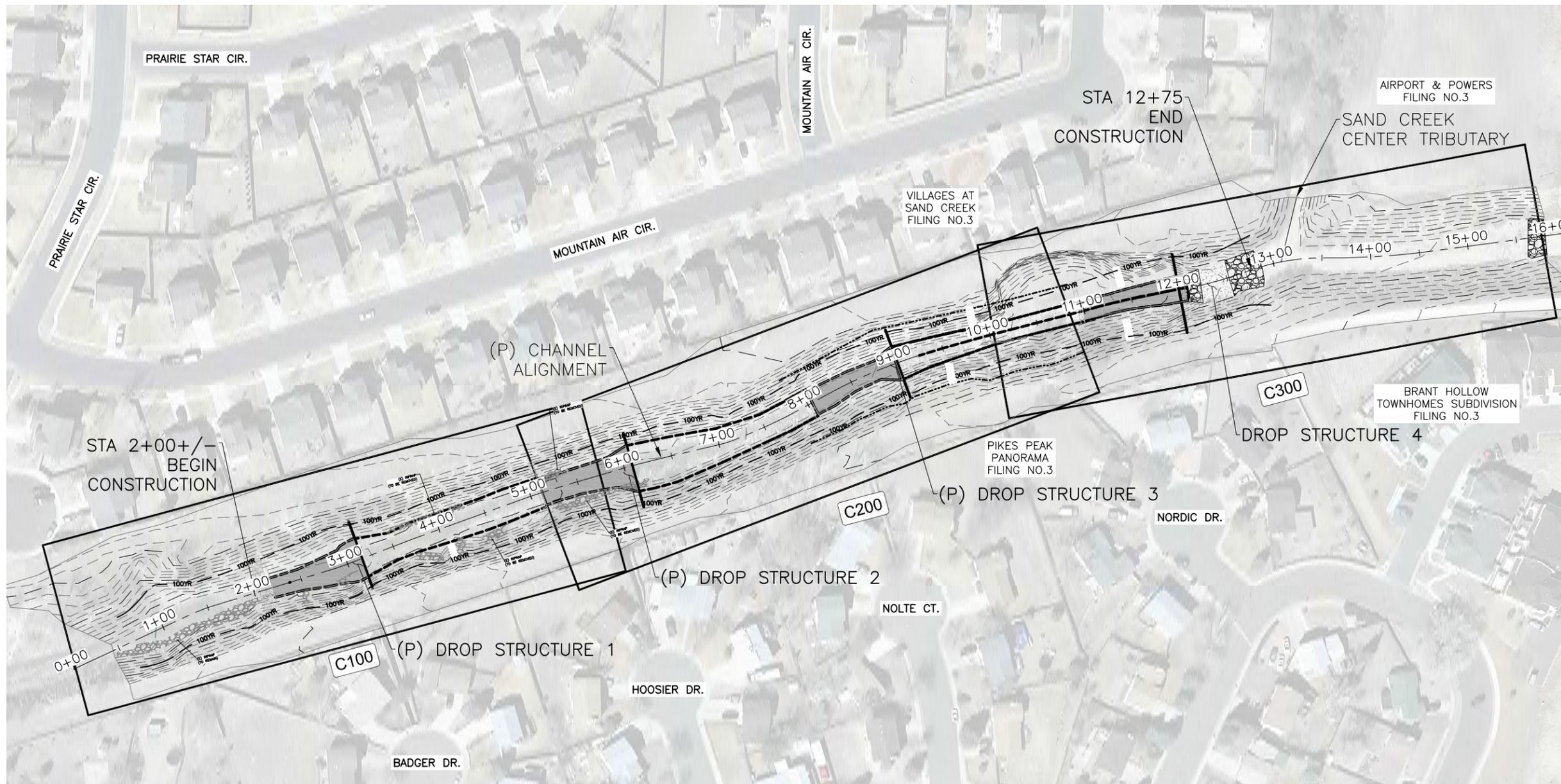
SCALE	HORIZ: VARIES VERT: -
DATE	11/01/16
SHEET	C000
6 OF 25 SHEETS	



100% SET
DATE: 11/1/16

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 Xrefs: TITLE BLOCK - CDS - EAST.DWG - Images: 186334.TIF 186849.TIF 186850.TIF 2011 CITY LOGO.JPG COLORADO_SPRINGS_LOGO.JPG PRC-II-LOGO-KH-GRN

User: JOSHUA, Nov 01, 2016 - 2:39pm
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 Xrefs: TITLE BLOCK - CDS - EAST - 09 - 11 - PLAN-PROFILE - C100.DWG PERZSANDECKTOPCEAST - MSP.DWG - Images: 168849.TIF COLORADO_SPRINGS_LOCO_LG.JPG PRC-II-LOGO-KH-GRN



OVERALL SITE PLAN (SITE 1)

SCALE: 1"=60'



C100 PLAN & PROFILE SHEET REFERENCE



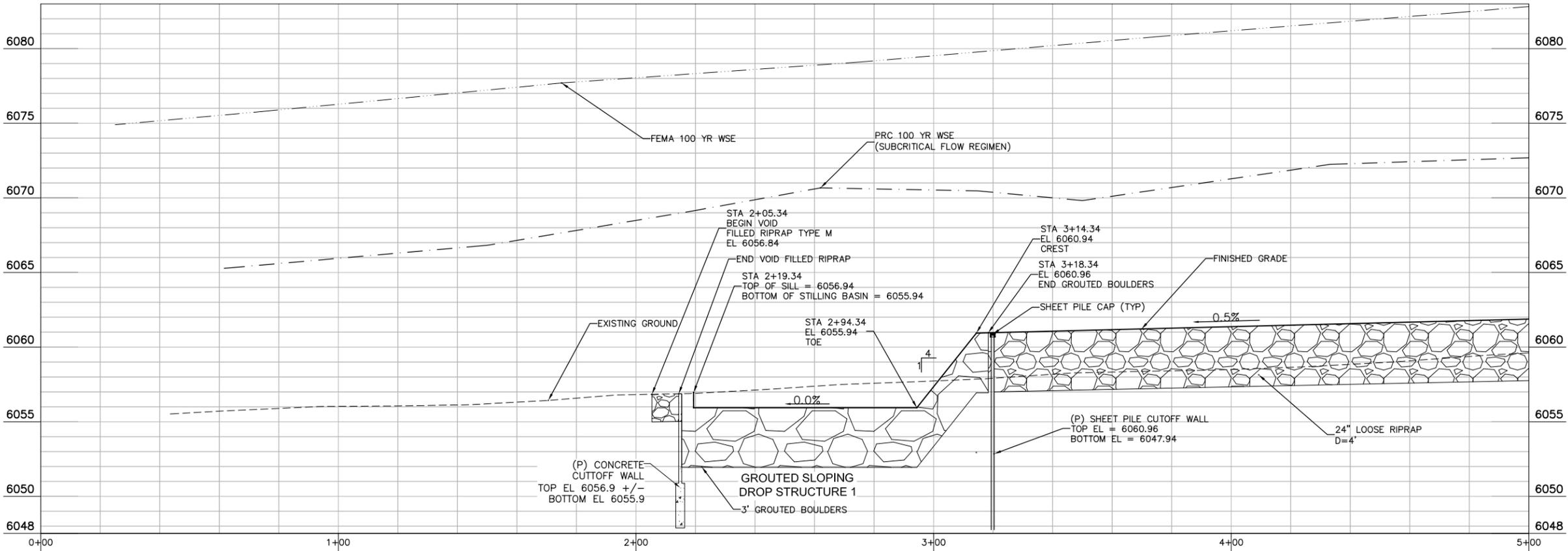
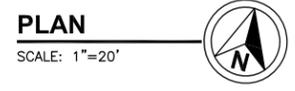
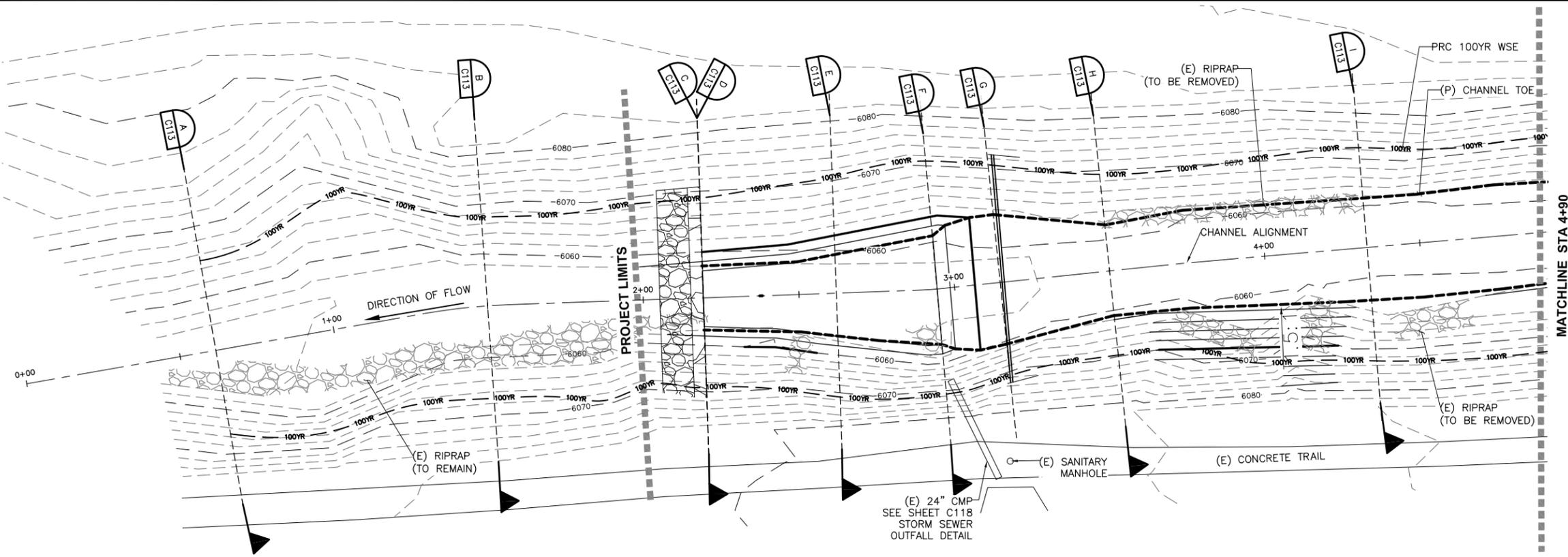
NOTE: REFER TO SHEET 8 FOR SITE 2 LOCATION



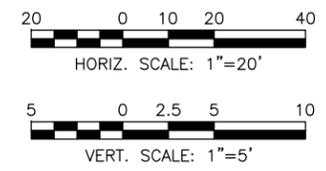
100% SET
 DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING
	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
EAST FORK SAND CREEK STABILIZATION PROJECT OVERALL SITE PLAN	
SCALE	HORIZ: 1" = 60' VERT: -
DATE	11/01/16
SHEET	C100
7 OF 25 SHEETS	

User: JOSHUA_Nov_01_2016 - 2:16pm
 Dir: C:\PROJ\PROJECTS\SAND_CREEK_EAST_FORK_SAND_CREEK - CDS - EAST - 09 - 11 - PLAN-PROFILE - C100.DWG - Layout: PLAN-PROFILE - C100
 Xref: TITLE BLOCK - CDS - EAST_FORK_SAND_CREEK_TOPOEAST - MSP.DWG SAND_CREEK_EAST_FORK - EC.DWG - Images: 188849.TIF COLORADO_SPRINGS_LOGO_LG.JPG PRC-IL-LOGO-KH-GRN



- NOTES:**
- THE LOCATION OF ALL UTILITIES ARE SOURCED FROM FIMS GIS DATA AND ONLY REPRESENT APPROXIMATE LOCATION AND ARE FOR REFERENCE ONLY.
 - DATUM: NGVD 29
 - REFER TO CHANNEL LINING PLAN FOR PROPOSED LINING MEASURES. NOT SHOWN FOR CLARITY.



100% SET
 DATE: 11/1/16

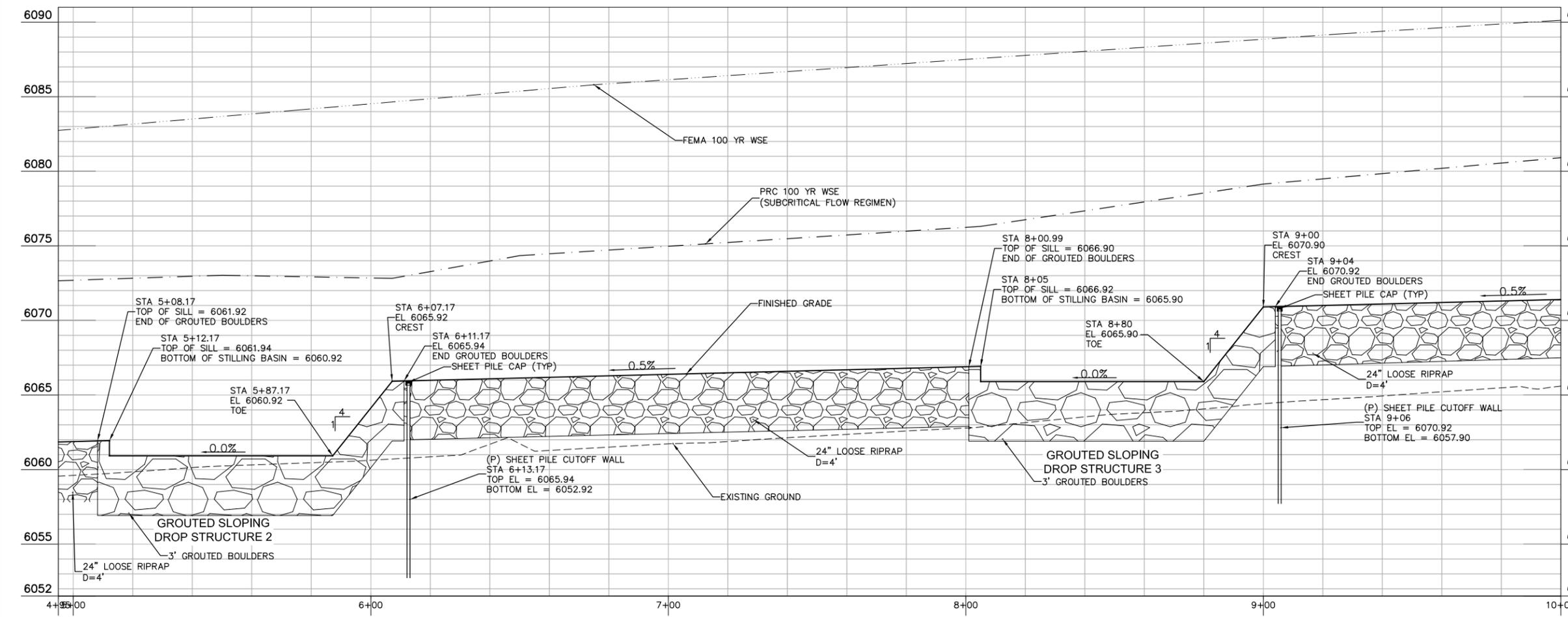
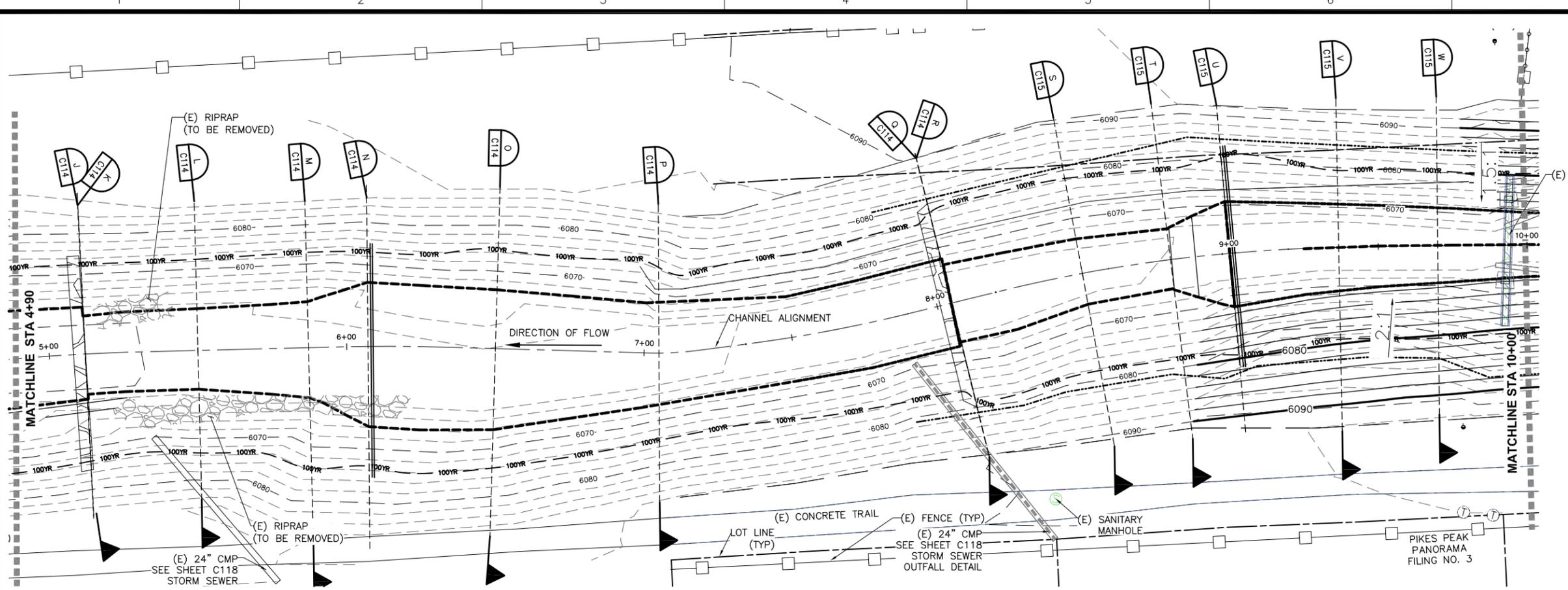
DATE		NO. REVISION		PROJECT MANAGER	S. BURKE
BY		DESIGNED BY	REP	DRAWN BY	ISM
		CHECKED BY	BK		

VERIFY SCALES
 BASE IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

EAST FORK SAND CREEK STABILIZATION PROJECT

CHANNEL PLAN & PROFILE

SCALE	HORIZ: 1" = 20' VERT: 1" = 5'
DATE	11/01/16
SHEET	C101
	8 OF 25 SHEETS



- NOTES:**
1. THE LOCATION OF ALL UTILITIES ARE SOURCED FROM FIMS GIS DATA AND ONLY REPRESENT APPROXIMATE LOCATION AND ARE FOR REFERENCE ONLY.
 2. DATUM: NGVD 29
 3. REFER TO CHANNEL LINING PLAN FOR PROPOSED LINING MEASURES. NOT SHOWN FOR CLARITY.



100% SET
DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

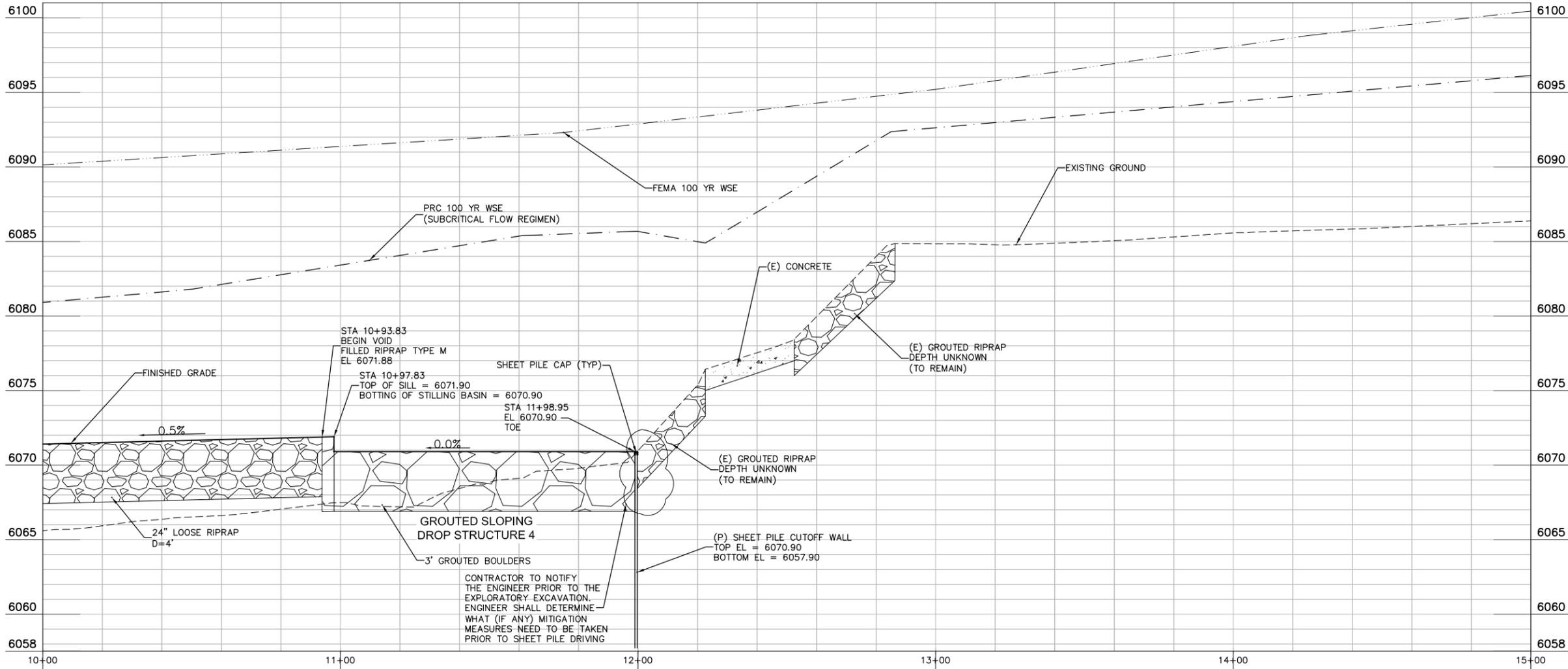
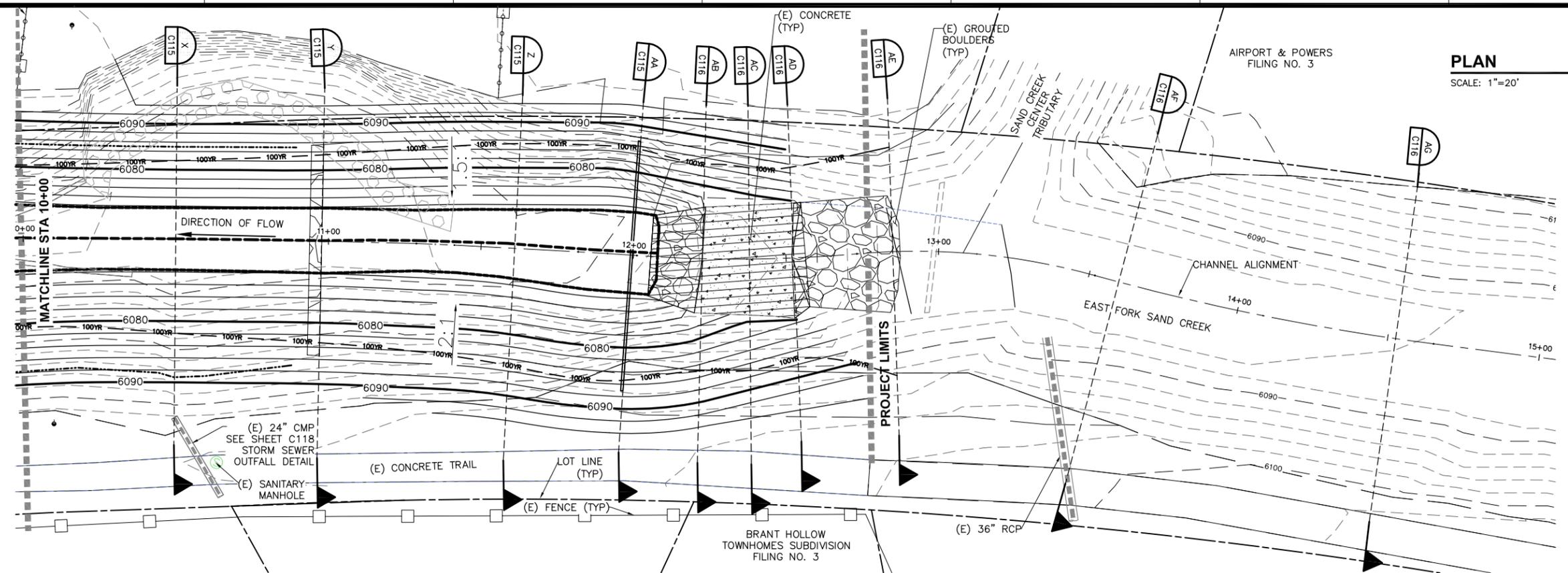


EAST FORK SAND CREEK STABILIZATION PROJECT
CHANNEL PLAN & PROFILE

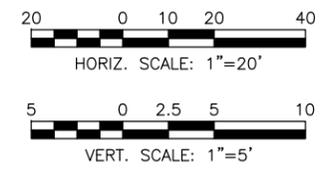
SCALE	HORIZ: 1" = 20' VERT: 1" = 5'
DATE	11/01/16
SHEET	C102
	9 OF 25 SHEETS

User: joshua Nov 01 2016 - 2:16pm
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 Xrefs: TITLE BLOCK - CDS - EAST.DWG PEREZSANDCREEKEAST - MFP.DWG SAND CREEK EAST FORK - EC.DWG - Images: 188849.TIF COLORADO_SPRINGS_LOGO_LG.JPG

Users: JOSHUA_Nov_01_2016 - 2:47pm
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 Xrefs: TITLE BLOCK - CDS - EAST.DWG PEREZSANDCREEKEAST - MSP.DWG SAND_CREEK_EAST_FORK - EC.DWG - Images: 188849.TIF COLORADO_SPRINGS_LOGO_LG.JPG PRC-IL-LOGO-KH-GRN



- NOTES:**
1. THE LOCATION OF ALL UTILITIES ARE SOURCED FROM FIMS GIS DATA AND ONLY REPRESENT APPROXIMATE LOCATION AND ARE FOR REFERENCE ONLY.
 2. DATUM: NGVD 29
 3. REFER TO CHANNEL LINING PLAN FOR PROPOSED LINING MEASURES. NOT SHOWN FOR CLARITY.



PROFILE
SCALE: H:1"=20', V:1"=5'

100% SET

DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK
VERIFY SCALES	<p>BASE IS ONE INCH ON ORIGINAL DRAWING</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>
EAST FORK SAND CREEK STABILIZATION PROJECT CHANNEL PLAN & PROFILE	
SCALE	HORIZ: 1" = 20' VERT: 1" = 5'
DATE	11/01/16
SHEET	C103
10 OF 25 SHEETS	

NOTE:

1. PROPOSED CONTOURS NOT SHOWN FOR CLARITY.

LEGEND

-  (P) 3' GROUDED BOULDERS
-  (P) 24" GROUDED BOULDERS
-  (P) 24" LOOSE RIPRAP

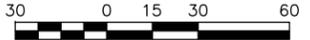
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK
NO. REVISION	
BY	
DATE	

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING



IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY





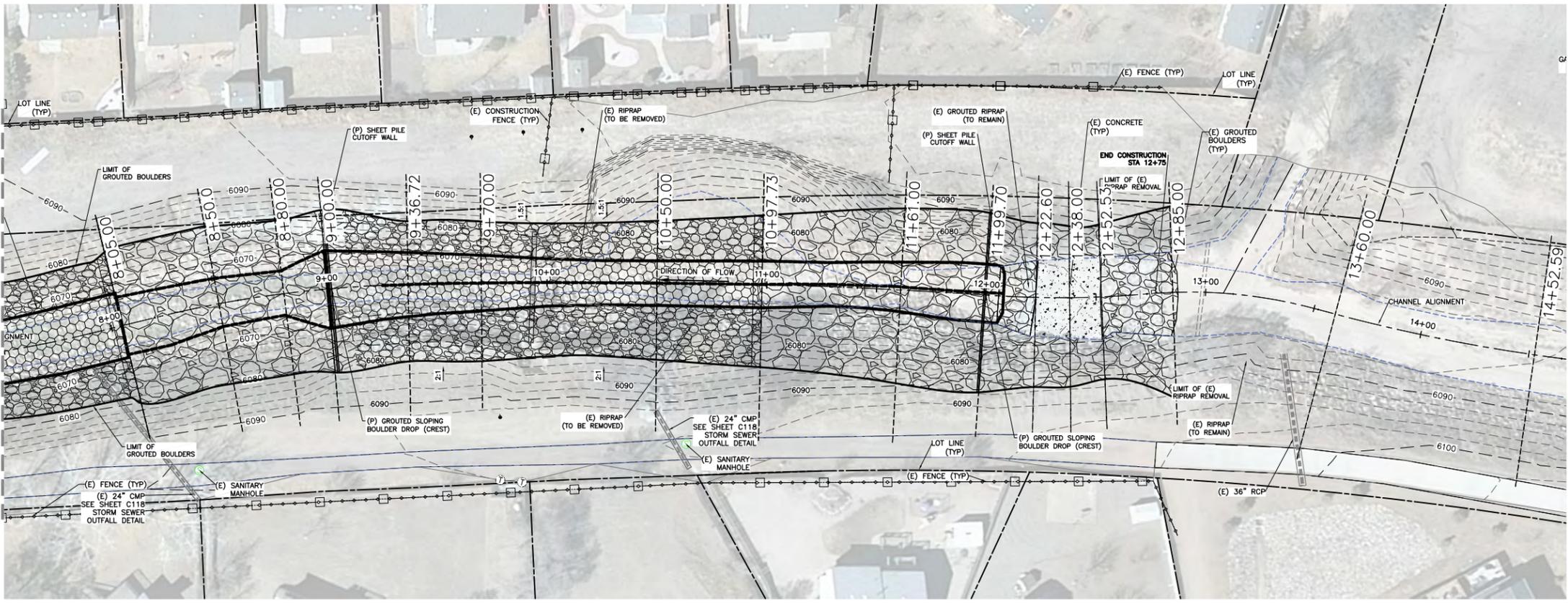
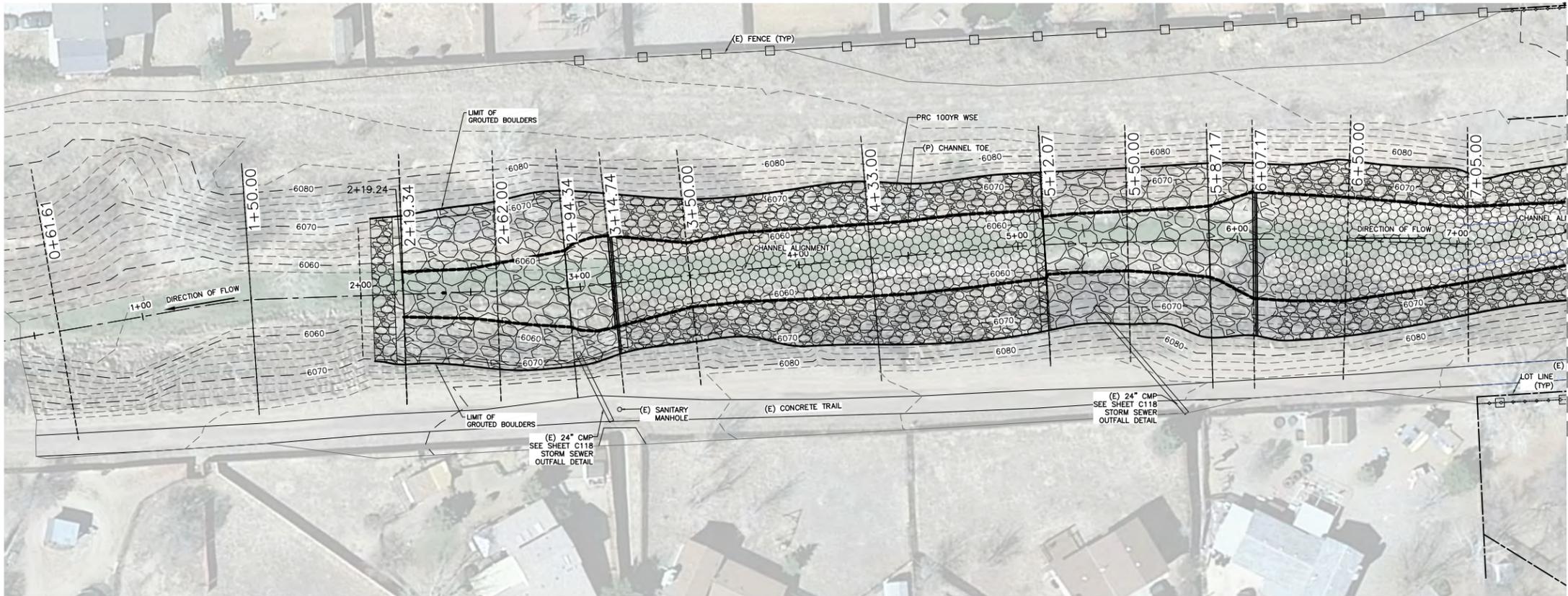
HORIZ. SCALE: 1"=30'

EAST FORK SAND CREEK STABILIZATION PROJECT
CHANNEL LINING PLAN

SCALE	HORIZ: 1" = 30' VERT:
DATE	11/01/16
SHEET	C104
11 OF 25 SHEETS	



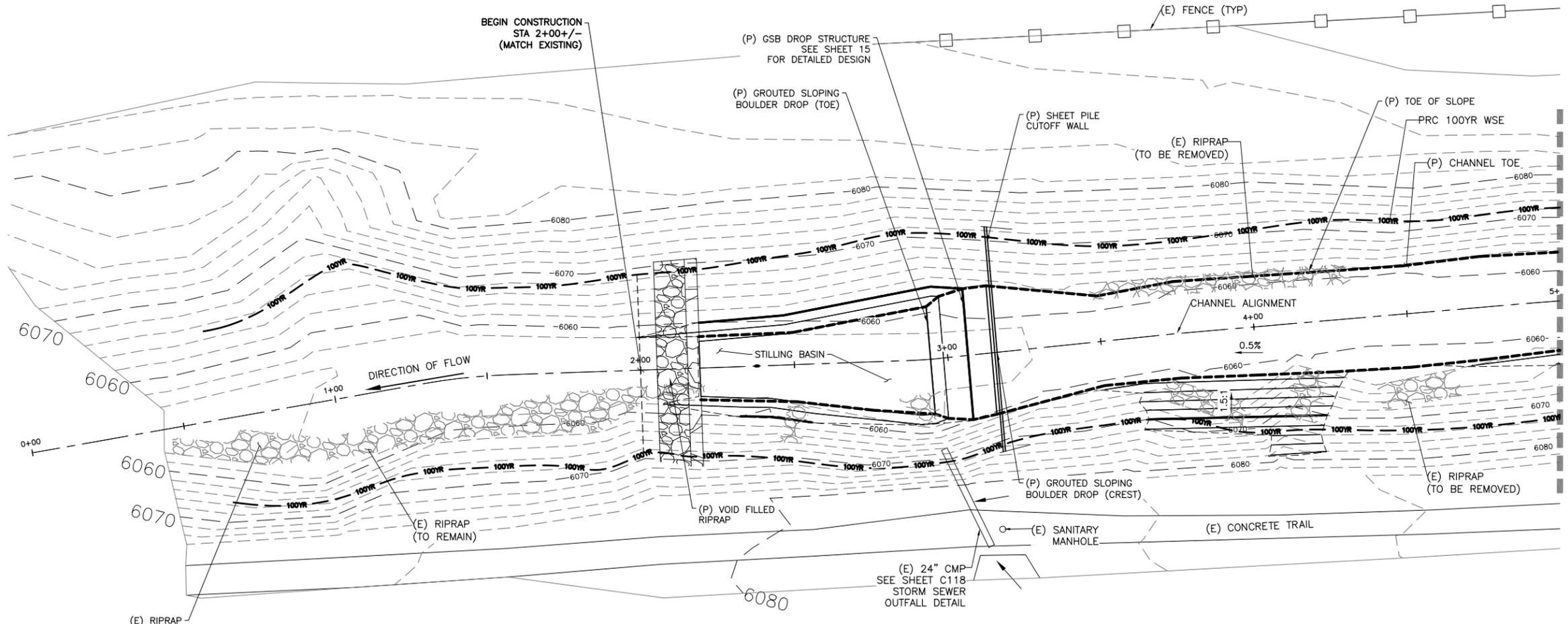
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DATE: 11/1/16



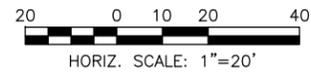
User: joshua Nov 01 2016 1:58pm
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 Xrefs: TITLE BLOCK - CDS - EAST FORK SAND CREEK EAST FORK - PRLDWG SAND CREEK EAST FORK - MSP.DWG PEREZSANDCREEKTOPEAST - MSP.DWG SAND CREEK EAST FORK - SITE.DWG SAND CR - Imagery: 186949.TIF COLORADO_SPRINGS_LOGO_LG.JPG PRC-IL-LOGO-KH-GRN

NOTES:

1. THE LOCATION OF ALL UTILITIES ARE SOURCED FROM FIMS GIS DATA AND ONLY REPRESENT APPROXIMATE LOCATION AND ARE FOR REFERENCE ONLY.
2. DATUM: NGVD 29
3. CONTOUR INTERVAL = 2'



EAST FORK SAND CREEK PLAN
SCALE: 1"=20'



DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK

VERIFY SCALES
BASE IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



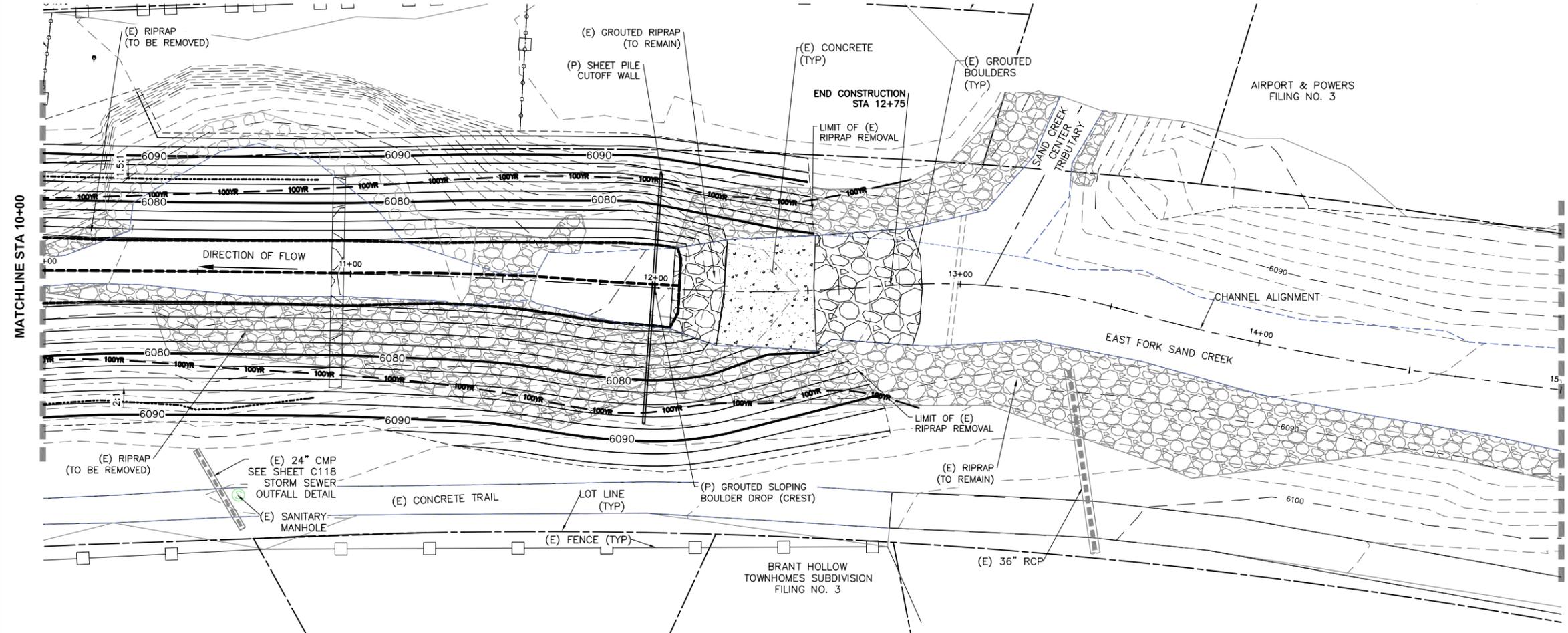
EAST FORK SAND CREEK STABILIZATION PROJECT
GRADING PLAN

SCALE	HORIZ: 1" = 20' VERT: -
DATE	11/01/16
SHEET	C105 12 OF 25 SHEETS

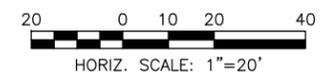
100% SET
DATE: 11/1/16

User: joshua Nov 01 2016 1:52pm
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 Xref: TITLE BLOCK - CDS - EAST_DWG PEREZSANDCREEKTOP/EAST - MSP.DWG SAND_CREEK_EAST_FORK - SITE.DWG SAND_CREEK_EAST_FORK - PRL.DWG SAND_CREEK_EAST_FORK - CR - Images: 186949.TIF COLORADO_SPRINGS_LOGO.LG.JPG PRC-IL-LOGO-KH-GRN

Users: 003104A Nov 01 2016 - 1:51pm
 Director: C:\PROJ\PROJECTS\SAND_CREEK_EAST_FORK\DWG\SAND_CREEK_EAST_FORK\DWG\C107.dwg
 Xrefs: TITLE BLOCK - CDS - EAST_FORK_SAND_CREEK_STABILIZATION_PROJECT - MSP.DWG PEREZSANDCREEKTOPFOREAST - MSP.DWG SAND_CREEK_EAST_FORK - PRL.DWG SAND_CREEK_EAST_FORK - PRL.DWG SAND_CREEK_EAST_FORK - CDS - EAST - 12-15 - GRADING PLAN - C104-C106.DWG - Layout: GRADING - C104 (3)
 Images: 1868493.TIF COLORADO_SPRINGS_LOGO_LG.JPG PRC-IL-LOGO-KH-GRN



EAST FORK SAND CREEK PLAN
 SCALE: 1"=20'

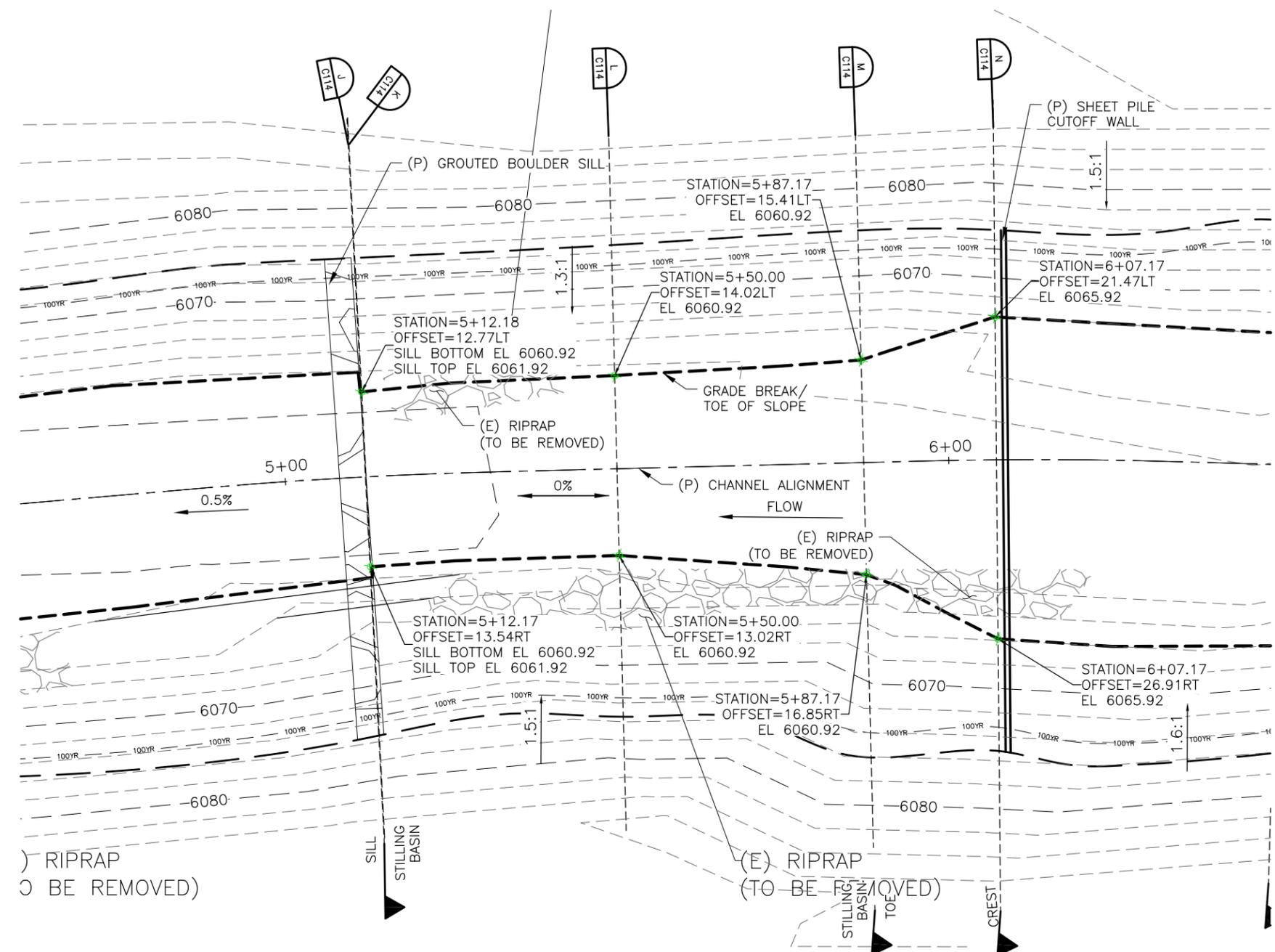


100% SET
 DATE: 11/1/16

- NOTES:**
1. THE LOCATION OF ALL UTILITIES ARE SOURCED FROM FIMS GIS DATA AND ONLY REPRESENT APPROXIMATE LOCATION AND ARE FOR REFERENCE ONLY.
 2. DATUM: NGVD 29
 3. CONTOUR INTERVAL = 2'

DATE		
BY		
NO. REVISION		
PROJECT MANAGER	S. BURKE	
DESIGNED BY	REP	
DRAWN BY	ISM	
CHECKED BY	BK	
VERIFY SCALES		1" = 20'
BAR IS ONE INCH ON ORIGINAL DRAWING		
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		
EAST FORK SAND CREEK STABILIZATION PROJECT GRADING PLAN		
SCALE	HORIZ: 1" = 20'	
	VERT: -	
DATE	11/01/16	
SHEET	C107	

Users: JOSHUA_Nov_01_2016 - 2/04/2017
 D:\projects\2016\16-19 - DROP STRUCTURE PLAN - C101-0 - Layout: DS-02 - PLAN (2)
 D:\projects\2016\16-19 - DROP STRUCTURE PLAN - C101-0 - EAST - 16-19 - DROP STRUCTURE PLAN - C101-0 - EAST - 11 - PLAN-PROFILE - C100.DWG PEREZSANOCREKTOPEAST - MGP.DWG - Images: COLORADO_SPRINGS_LOGO.LG.JPG PRC-II-LOGO-KH-GRN
 Xrefs: TITLE BLOCK - CDS - EAST.DWG EAST FORK SAND CREEK - CDS - EAST - 11 - PLAN-PROFILE - C100.DWG PEREZSANOCREKTOPEAST - MGP.DWG - Images: COLORADO_SPRINGS_LOGO.LG.JPG PRC-II-LOGO-KH-GRN



DROP STRUCTURE 2 PLAN
 SCALE: 1"=10'

NOTE:
 PROPOSED GROUTED BOULDERS AND RIPRAP NOT SHOWN FOR CLARITY. REFER TO CHANNEL LINING PLAN.

HORIZ. SCALE: 1"=10'

NO.	REVISION	BY	DATE

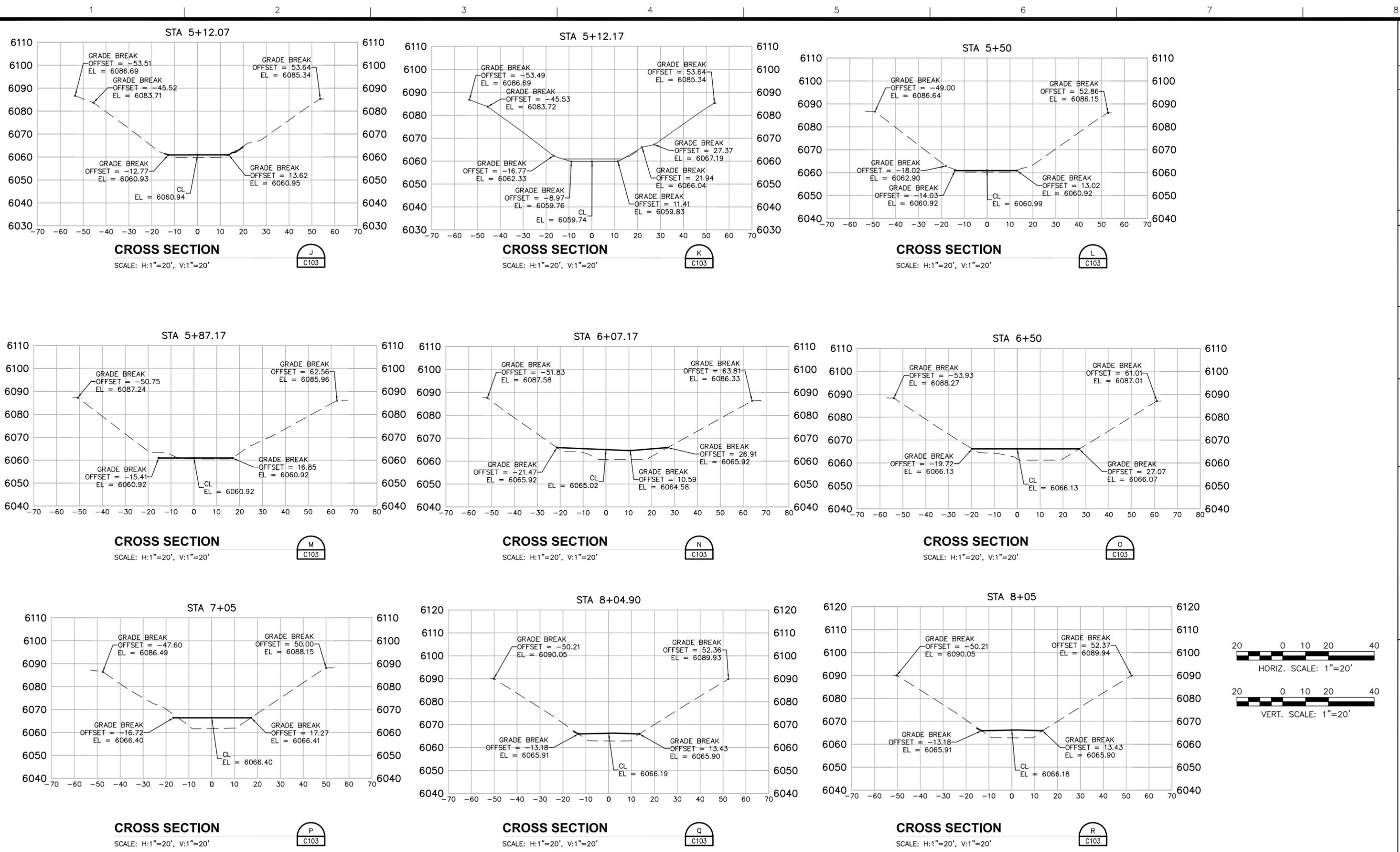
VERIFY SCALES
 BASE IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



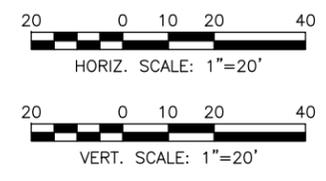
EAST FORK SAND CREEK STABILIZATION PROJECT
DROP STRUCTURE 2 PLAN

SCALE	HORIZ: 1" = 10' VERT: N/A
DATE	11/01/16
SHEET	C109
16 OF 25 SHEETS	

100% SET
 DATE: 11/1/16



FOR HEC-RAS USE ONLY, NOT FOR STAKING PURPOSES.



100% SET
 DATE: 11/1/16

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	S. BURKE
DESIGNED BY	REP
DRAWN BY	ISM
CHECKED BY	BK

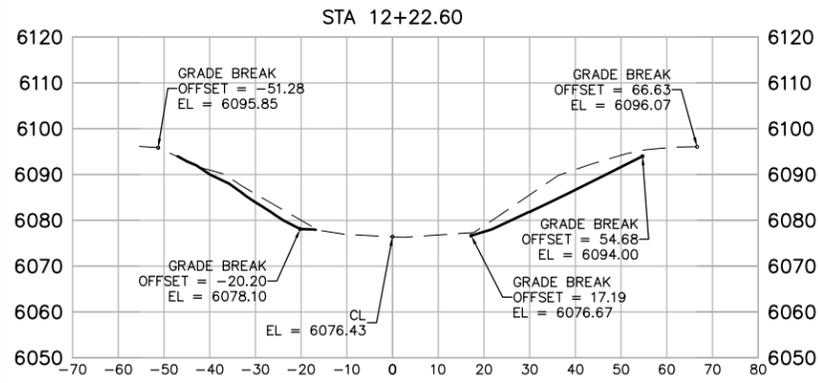
VERIFY SCALES
 BASE IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



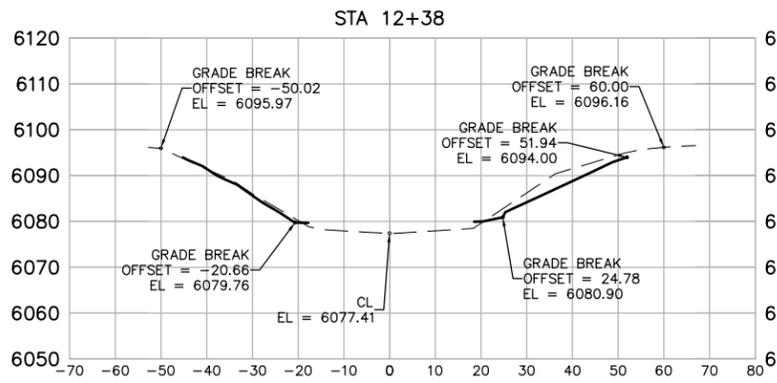
EAST FORK SAND CREEK STABILIZATION PROJECT
HEC-RAS CROSS-SECTIONS

SCALE	HORIZ: 1" = 20' VERT: 1" = 5'
DATE	11/01/16
SHEET	C113
20 OF 25 SHEETS	

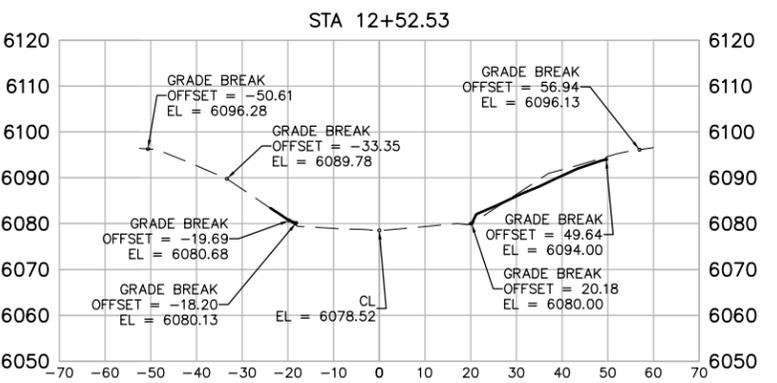
User: joshua Nov 01 2016 - 2:17pm
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 Xrefs: TITLE BLOCK - CDS - EAST FORK SAND CREEK STABILIZATION PROJECT - MSP.DWG PEREZSANDCREEKTOP.EAST - EC.DWG



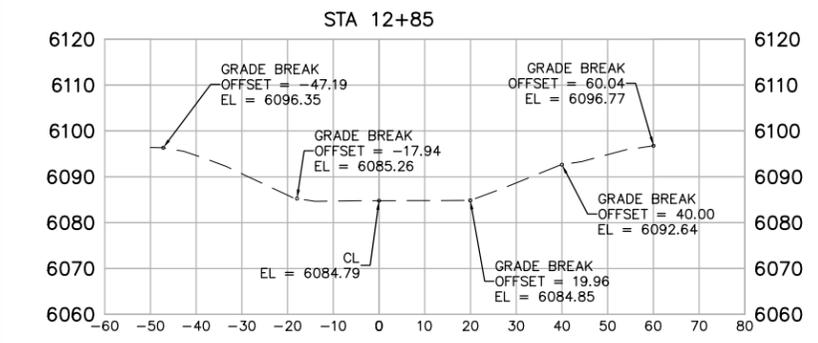
CROSS SECTION
SCALE: H:1"=20', V:1"=20'



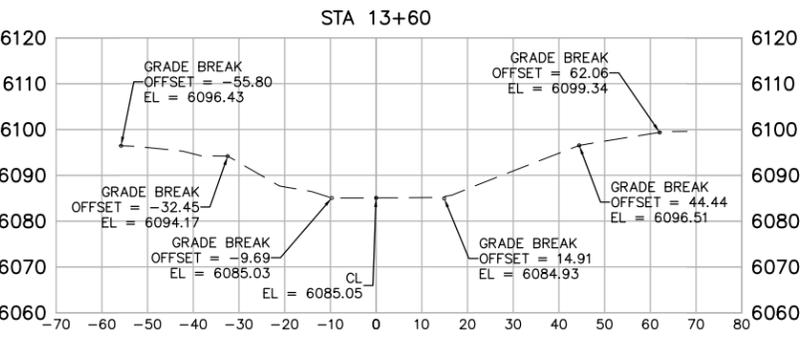
CROSS SECTION
SCALE: H:1"=20', V:1"=20'



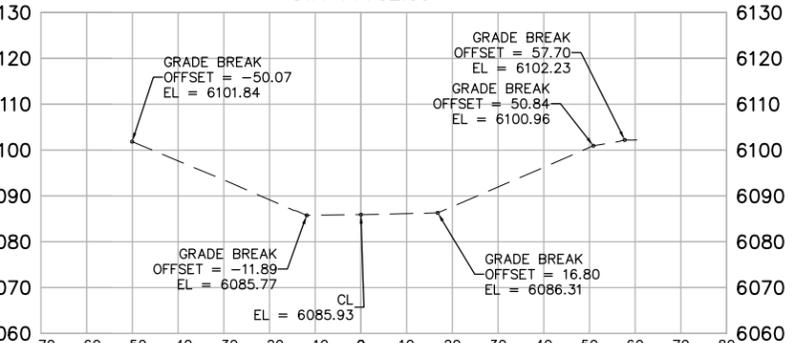
CROSS SECTION
SCALE: H:1"=20', V:1"=20'



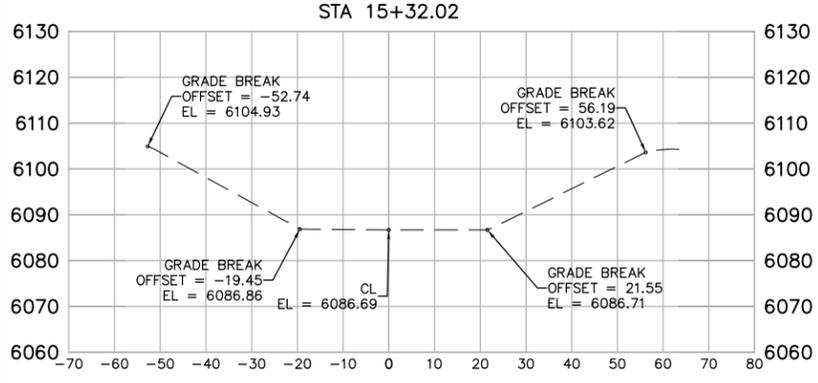
CROSS SECTION
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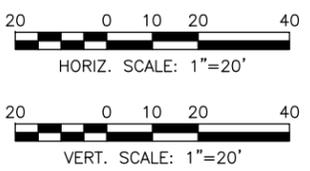
CROSS SECTION
SCALE: H:1"=20', V:1"=20'



CROSS SECTION
SCALE: H:1"=20', V:1"=20'



CROSS SECTION
SCALE: H:1"=20', V:1"=20'



FOR HEC-RAS USE ONLY, NOT FOR STAKING PURPOSES.



100% SET
DATE: 11/1/16

DATE	BY	NO.	REVISION

PROJECT MANAGER	DESIGNED BY	DRAWN BY	CHECKED BY
S. BURKE	REP	ISM	BK



EAST FORK SAND CREEK STABILIZATION PROJECT
HEC-RAS CROSS-SECTIONS

SCALE	HORIZ: 1" = 20' VERT: 1" = 5'
DATE	11/01/16
SHEET	C115
22 OF 25 SHEETS	

User: joshua Nov 01 2016 2:18pm
 Dir: C:\PROJ\PROJECTS\SAND CREEK EAST FORK SAND CREEK STABILIZATION PROJECT\DRAWINGS\HEC-RAS CROSS-SECTIONS
 Xref: TITLE BLOCK - CDS - EAST FORK SAND CREEK STABILIZATION PROJECT - MSP.DWG PEREZSANDCREEKTOP.EAST - MSP.DWG SAND CREEK EAST FORK SAND CREEK STABILIZATION PROJECT - EC.DWG - Images: 188849.TIF COLORADO_SPRINGS_LOGO_LG.JPG PRC-IL-LOGO-KH-GRN

