

ADDENDUM NO. 1
TO THE BID DOCUMENTS
Beluga Slough Green Infrastructure Stormwater Management Project
CITY OF HOMER, ALASKA

Addendum Issue Date: December 31, 2024

Bid Submittal Date: **REVISED** – January 13, 2025

Previous Addenda Issued: None

Issued By: Daniel Kort
Public Works Director
City of Homer

Notice to Bidders:

Bidders must **acknowledge receipt of this addendum** by including the Addenda Acknowledgement Form with the bid.

Bidders are required to acknowledge each addenda separately on the Addenda Acknowledgement Form. Any bids received without acknowledgment of addenda may be rejected prior to evaluation.

The Bid Documents for the above project are amended as follows (all other terms and conditions remain unchanged):

BID FORM – added pay items for manhole frame/lid, 24” HDPE Culvert, and adjusted bid item units

INSTRUCTION TO BIDDERS – changed scope of services and bids due date

INVITATION TO BID - changed scope of services and bids due date

PROJECT SCHEDULE - changed bids due date

The following bidder questions have been received by City of Homer and are answered as follows:

1. **Question:** What is the concrete construction contractor’s anticipated schedule to form and pour all concrete for the stormwater vault?

Answer: The concrete construction contractor is anticipating a project window of 2 weeks to 3 weeks of time required between the Bidder having the bedding material placed in the excavation and the concrete structure being completed.

2. **Question:** What is the amount and duration of dewatering to be expected on this project?

Answer: The amount of dewatering necessary is unknown, but the contractor's ability to construct a water tight dam around the excavation area and work outside of extreme high tides will reduce the amount of dewatering required. The duration of dewatering will be connected closely with the concrete construction contractor's schedule and will need to continue until the structure can be safely backfilled.

3. **Question:** Where will the City allow the staging of materials and excavation spoils for this project?

Answer: The City has reached out to an adjacent private property owner southwest of the project site. The City asked if the private property can be used as a staging area for construction materials and excavated spoils. The property owner is willing to work with the City and selected Contractor on this effort. Contractors interested in using this private property should verbally request the property owners contact information from the City. The Contractor shall be responsible for making all arrangements for using the private property; maintaining property owners access to the garage; and paying for any potential fees for use of the private property. If the Contractor is intending on using this private property, the Contractor shall list the Private Property Owner as well as the City of Homer as additionally insured on their insurance. This revision is reflected on the **REVISED** Modifications To General Provisions and **ATTACHED** to Addendum 1. The Private Owner's property shall be restored to pre-construction condition or better upon completion of the project. Alternative or additional staging area may be possible at the Bishop's Beach Access if required, but will need to be coordinated with the City beforehand.

4. **Question:** Will the City take any leftover imported materials?

Answer: The City will accept left over imported materials from the project.

5. **Question:** What is the availability and lead time of the 42" HDPE storm drain pipe?

Answer: According to a conversation with Ferguson on December 23, 2024, 42" HDPE is currently available with a lead time of 3 weeks. Availability is subject to change, and Ferguson is not the only vendor of HDPE pipe available to the Contractor.

6. **Question:** There is a discrepancy between the Specifications and the Drawings defining pipe sizes. For example, the Specifications define a 42-inch diameter pipe and a 24-inch diameter pipe, but the Drawings show a 40-inch diameter pipe, a 36-inch diameter pipe and a 24-inch diameter pipe. Please clarify pipe sizes.

Answer: Incorrect pipe sizes are shown on drawings E4 and E5. These drawings have been revised to reflect correct pipe sizes. **REVISED** drawings are **ATTACHED** to Addendum 1.

7. **Question:** Will the City consider Alternative Shoring Methods to the excavation as opposed to the specified 1:1 side slopes?

Answer: The City will consider Alternative Shoring Methods as a Deductive Alternative Method. Bidders shall fill out Bids with the specified excavation method according to the plans as the Base Bid price. The Bidder may provide a Deductive Alternative Method price in the **REVISED** Bid Form reflecting the Deductive Alternative Method as a price deduction to the Base Bid. The Project Award will be granted in accordance to the design and planned excavation as the Base Bid. Once the Project is awarded, the Bidder shall submit to the City 1) drawings depicting the Deductive Alternative Method as well as 2) a written description describing the procedure. It will be up to the Bidder to prove to the City in the drawings and written procedures that the proposed Deductive Alternative Method meets the project intention; and maintains the space required for the Contractor constructing the Stormwater Vault including space to brace forms for the construction of the Stormwater Vault if needed. The City will evaluate the proposed Deductive Alternative Method drawings and description to determine if the City feels the Method will meet the objective. The submittal of the Deductive Alternative Method does not commit the City to acceptance of the Deductive Alternative Method. A **REVISED** Bid Form is **ATTACHED** to Addendum 1.

8. **Question:** What is the width of the wide portion of the concrete structure?

Answer: The maximum width of the vault structure is 12-feet 4-inches wide.

9. **Question:** Can alternative pipe materials be used rather than HDPE?

Answer: HDPE pipe shall be used.

10. **Question:** The Bid Opening Date is shown on the Invitation to Bid as 2:00 PM on Tuesday January 7, 2025, and the Bid Opening Date is shown on the City's website as Tuesday January 14, 2025. Please clarify when the Bid Opening Date is.

Answer: The Bid Opening Date of January 7, 2025 was wrong and the Bid Opening Date of January 14, 2025 is **CHANGED TO** Monday January 13, 2025 at 2:00 PM.

INSTRUCTIONS TO BIDDERS
City of Homer, Alaska
Beluga Slough Green Infrastructure Stormwater Management Project

The City of Homer, Alaska is requesting bids from qualified firms and individuals for the project described herein.

The following subjects are discussed herein to assist you in the preparation of your bid.

- I. Introduction
- II. Scope of Services
- III. General Bidding Requirements
- IV. The Bid Package
- V. Tentative Project Schedule
- VI. Instructions to Bidders
- VII. Prevailing Wages
- VIII. Equal Opportunity Employment Certification
- IX. EPA Debarment
- X. American Iron and Steel
- XI. Build America Buy America
- XII. Disadvantaged Business Enterprises

I. Introduction

The City of Homer requests bids for the Beluga Slough Green Infrastructure Stormwater Management Project. The purpose of this project is construct a stormwater treatment vault at the east end of Bunnell Avenue.

All work activity associated with the project shall be completed by May 2, 2025.

II. Scope of Services

The proposed work is located within the limits of the City of Homer and is illustrated on the plans entitled E. Bunnell Outfall Stormwater Treatment System: SITE PLAN EXCAVATION.

The project consists of furnishing all labor, materials, equipment, tools, supervision and other facilities necessary for the performance of the work described herein and shown on the project drawings. The work includes, but is not limited to: all site and structure excavation work including dewatering, SWPPP implementation, backfill and storm drain pipe work.

- Grubbing and coffer dam construction from excavation materials, and coffer dam removal.
- Removal of culvert pipe and bollards (to be reset).
- Performing of excavation, shoring, and dewatering as necessary for the forming and construction (by others) of a concrete vault, and 40 LF of trench & backfill.
- Backfilling with 200 CY type III classified fill and placing 50 CY of leveling course, 60 CY of bedding material, and 12 CY of ditch lining.
- Furnishing and installation of HDPE culvert pipes including 12 LF of 42-inch culvert and 30 LF of 24-inch culvert.

- Furnishing and installation of 220 SY of geotextile fabric.
- Furnishing and installation of topsoil and seed.
- Work required for SWPPP Implementation, mobilization and demobilization, and construction survey.
- Traffic Control for roadway and pedestrian trails.

III. General Bidding Requirements

The work must be performed by a Contractor skilled and regularly engaged in the type of work called for under the Contract. Bidders must have a current contractor's license issued by the State of Alaska. The license must apply to the work described in the Invitation. The City's local bidder preference requirements apply to this contract. State prevailing wage rates will apply.

An electronic copy of Plans and Specifications is available on the City's website <http://www.cityofhomer.ak.gov/rfps> or you may purchase hard copies at the Office of the City Clerk upon payment of \$100 per set (\$150 for overnight delivery). City of Homer Standard Construction Specifications 2011 Edition (containing general contract provisions) may also be downloaded from the city's website. All fees are non-refundable. The City of Homer reserves the right to accept or reject any or all bids, to waive irregularities or informalities in the bids, and to award the contract to the lowest responsive, responsible bidder.

Performance and Payment bonds in the amount of 100 percent (100%) of the bid amount are required.

Bids must be submitted on the Bid Form and be received by **2:00 PM on Tuesday, January 13, 2025** at the Office of the City Clerk, City of Homer 491 E. Pioneer Avenue, Homer, Alaska, 99603. **A bid bond is required.** Cashier checks in an amount equal to five percent (5%) of the bid are acceptable. Surety bonds are acceptable.

A Pre-Bid Meeting will be held at 2:00 p.m. on December 19, 2024 at the Cowles Council Chamber, City Hall 491 E Pioneer Ave Homer, Alaska 99603. This meeting will be conducted simultaneously via Zoom. Invitations will be distributed to all bidders listed on the Plan Holder's List maintained by the City Clerk's Office.

A Site Visit will be conducted immediately following the meeting.

IV. The Bid Package

The City of Homer requires a two-part Bid Package, Part A and Part B. Each portion of the Bid Package must be submitted in separate envelopes, which shall be combined into one single Bid Package, marked with the name of the project and the time/date of the bid opening.

At the bid opening, Part A is opened first and must be complete or Part B will not be opened and the bid will be rejected.

Part A of the bid contains:

- Addenda Acknowledgment Form
- If signature on the Bid is by an agent, other than an Officer of a Corporation, or of a member of a Co-partnership, a Power of Attorney must be submitted in Part A.
- EEO-1 Certification

- d. Equal Employment Opportunity Clause (Provided with the bid package)
- e. American Iron and Steel Certification
- f. BABA Acknowledgement Certification
- g. Disadvantaged Business Enterprises Compliance Statement
- h. EPA Debarment Certification

Part A must be submitted, as part of the Bid Package, in a separate envelope marked Part A.

Part B of the bid contains:

- a. Bid Form
- b. Bid Bond

Part B must be submitted, as part of the Bid Package, in a separate envelope marked Part B.

V. Tentative Project Schedule

- | | |
|-----------------------------|--------------------------------|
| • Pre-bid Conference | 2:00 p.m. on December 19, 2024 |
| • Bids Due | 2:00 p.m. on January 13, 2025 |
| • Notice of Intent to Award | January 15, 2025 |
| • Award by City Council | January 27, 2025 |
| • Notice to Proceed | January 29, 2025 |
| • Pre-Construction Meeting | February 3, 2025 |
| • Start Construction | February 10, 2025 |
| • Contract Completion | May 2, 2025 |

VI. Instructions to Bidders

The City of Homer intends to award the contract to the lowest responsive, responsible bidder but reserves the right to accept or reject any or all proposals, to waive irregularities or informalities in the bids or bid process, and to award the contract to the bidder that best meets the criteria stated below.

A. Qualification of Bidders

It is the intention of the City of Homer to award this contract to the Bidder who furnishes satisfactory evidence they have the requisite experience, ability and sufficient capital, facilities and plant to prosecute the work successfully (and properly) and to complete it within the time allowed in the Contract at the least cost to the City of Homer for dollars spent for value received. Bidders will be required to fill out a questionnaire attesting to their qualifications.

B. Taxes

Attention is directed to the requirements of the General Conditions regarding the payment of taxes. All taxes that are lawfully assessed against Owner or Contractor in connection with the work shall be paid by the Contractor. The Bid prices shall include all such taxes.

The City of Homer is exempt from local sales taxes. The Contractor shall not include sales tax markup in his bid. However, in order to recoup sales tax the Contractor might pay at local vendors, the Contractor must secure a Tax Exempt card from the Kenai Peninsula Borough Tax Department.

C. Familiarization with the Work

Before submitting its Bid, each prospective Bidder shall familiarize itself with the work, labor conditions and all laws, regulations and other factors affecting performance of the work. Bidders shall carefully correlate their observations with the requirements of the Contract Documents and otherwise satisfy themselves of the expense and difficulties attending performance of the work. The submission of a Bid shall constitute an acknowledgement that the Bidder has thoroughly examined and is familiar with the Contract Documents and the provisions thereof. The failure or neglect of a Bidder to receive or examine any of the Bid Documents shall in no way relieve the bidder from any obligations with the respect to their Bid or to the Contract. Misinterpretation or a reputed lack of knowledge concerning the Bid will not serve as a basis for a claim for additional compensation.

Each Bidder shall visit the site of the work and completely inform themselves relative to construction hazards and procedures, the availability of lands, the character and quantity of surface and subsurface materials and utilities to be encountered, the arrangement and conditions of existing structures and facilities, the procedure necessary for maintenance of uninterrupted operations of existing facilities, the character of construction equipment and facilities needed for performance of the work, and facilities for transportation, handling and storage of materials and equipment. All such factors shall be properly investigated and considered in the preparation of the Bid.

D. Interpretation of Bid Documents

All questions about the meaning or intent of the Contract Documents shall be submitted to the Office of the Director of Public Works in writing. Replies will be issued by Addenda and delivered to all parties recorded by the City Clerk's Office as having received the Bidding documents. **The City of Homer will not be held responsible for questions received less than (5) calendar days prior to the date of opening of Bids.** Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

The Bidder shall acknowledge receipt of all Addenda on the Addendum Form, which shall be properly signed by the Bidder and placed in Part A.

It shall be the Bidder's responsibility to inquire as to addenda issued. **Failure to include the Addenda Form in Part A of the Bid Package shall result in the Bid being rejected as non-responsive.**

E. Bid Bond

Each Bid shall be accompanied by a Bid Bond duly completed on the suggested form provided by a guaranty company authorized to conduct business in the State of Alaska, along with a General Power of Attorney form, if applicable, for payment to the City in the sum of five percent (5%) of the total amount of the Bid. **Failure to include the Bid Bond in Part B of the Bid Package shall result in the Bid being rejected as non-responsive.**

The amount payable to the City under the Bid Bond or the certified or cashier's check, as the case may be, shall be forfeited to the City in case of a failure or neglect of the Bidder to furnish, execute, and deliver to the City required Performance and Payment Bonds, Evidences of Insurance, necessary forms or material required by the Bid or failure to enter into, execute and deliver to the City the Contract on the form provided therefor, within ten (10) working days after receipt of "Notice of Intent to Award Contract" by the City that the Contract is ready for execution. The "Award of Contract" will be made upon the execution of the Contract by the Bidder and the City.

F. Return of Bid Guarantee

Within thirty (30) days after the Bids are opened, the City will return the Bid Guarantees accompanying the Bids, which are not to be considered in making the award. The bid Guarantees of the three (3) lowest responsive Bids will be held until the Contract has been fully executed after which time the Guarantees will be returned to the respective Bidders whose Bids the Guarantees accompanied.

G. Contract Time

The Contract Time is an essential part of the Contract and it will be necessary for each Bidder to satisfy the City of his ability to complete the work within the time set forth in the Bid form. Provisions for delays, liquidated damages, and extensions of time are set forth in the Standard Construction Specifications. Time is of the essence in this contract.

H. Preparation of Bids

Bids must be submitted on the forms provided by the City and completed in all respects as required by the Bid Documents. Bids shall include all information requested herein, and be manually signed by the Bidder or the Bidder's duly authorized representative, with the Bidder's address and phone number. If the signature is by an agent, other than an Officer of a Corporation, or a member of a Co-partnership, a Power of Attorney must be submitted in Part A of the Bid; otherwise, the Bid will be rejected as non-responsive. **All Bids must be regular in every respect, and no alterations shall be made to the Bid form.**

If erasures or changes appear on the forms, each must be initialed by the person signing the Bid. No oral, telegraphic, electronic or telephone proposals will be considered.

Bid Packages, containing separate envelopes for Part A and Part B of the bid, will be received at the City Clerk's Office located at City Hall 491 East Pioneer Avenue, Homer, Alaska 99603, until the time indicated on the Invitation to Bid. Each Bid shall be submitted enclosed in a sealed, opaque envelope. **The envelope shall have the Bid title and date of Bid opening on the lower left-hand corner of the Bid Package.** The City is not responsible for the premature opening of, or failure to open, a bid not properly addressed and identified.

No consideration will be given by the City to a claim or error unless such claim is made to the City in writing within two (2) hours after the time of Bid opening. Written verification and supporting evidence of the error shall be delivered to the City Clerk within 24 hours of the Bid Opening (not including Saturday, Sunday or legal holidays) to allow consideration of the claim for error. Supporting evidence shall be original documents, including cost breakdown sheets, supplier quotes and other documents used to compute the Bid.

It is the bidder's responsibility to see that Bid Packages are deposited at the time and place set forth for the public opening of Bids. Bids not received by the time will not be considered responsive and shall not be considered.

VII. Labor Rates

A. State Labor Rates.

This project is covered by the State of Alaska Title 36 Laborer's and Mechanic's Minimum Rate of Pay (AS 36.05.010 & 36.05.050) Pamphlet No. 600, Issue 49, Effective September 1, 2024. It is the responsibility of the bidder to determine the current rates of pay required and to submit the proper certified payrolls to the State Department of Labor.

B. Federal Labor Rates

This project is funded, in part, by the U.S. Department of Environmental Protection and as such federal prevailing wages apply if they are higher than the State of Alaska's prevailing wages. Federal Wage Determinations are included herein.

The contractor must pay whichever rates are higher between the State and Federal labor rates.

VIII. Equal Opportunity Employment

Bidders must submit forms related to Equal Employment Opportunity with their bids, including:

- Equal Employment Opportunity Clause (Provided with the bid package)
- EEO-1 Certification

IX. EPA Debarment Certification

Bidders must submit a Certification Regarding Debarment, Suspension and Other Responsibility Matters with their bids. This certification will be provided with the bid package.

X. American Iron and Steel

Any iron and steel products used in the project must be produced in the United States, unless a waiver is requested and received.

Waivers will only be granted if:

- a. It is inconsistent with the public interest;
- b. Iron and steel products not produced in the United States are not available in sufficient and reasonably available quantities and of a satisfactory quality; or
- c. Inclusion of iron and steel produced in the United States will increase the cost of the overall Project by more than 25 percent;

Conservation by the City, which then forwards the request to the US Environmental Protection Agency ("EPA") for consideration. EPA will make a copy of the request and information available to the

Administrator concerning the request, and available to the public on an EPA website for at least fifteen days for informal public input prior to making a finding. Bidders must submit an American Iron & Steel Certification with their bids. This certification will be provided with the bid package.

XI. Build America Buy America (BABA)

This project is funded with federal monies and all goods and services provided for this project must comply with statutory requirements commonly known as “Build America, Buy America” (BABA) enacted in Public Law No. 117-58, §§ 70901-27. This law requires that all of the iron and steel, manufactured products, and construction materials used be produced in the United States.

It is the bidder’s responsibility to fully familiarize themselves with BABA requirements. Bidders must submit a BABA acknowledgement certification with their bids. This certification will be provided in the bid package.

XII. Disadvantaged Business Enterprises Requirements Apply

To be eligible for award of this contract, a bidder must execute and submit as part of its bid, a statement of compliance with the Disadvantaged Business Enterprises requirements. See the Compliance Statement contained herein.

Project Schedule

Beluga Slough Green Infrastructure Stormwater Management Project

Advertise	Homer News	November 28 & December 5, 2024
Pre-Bid Meet via Zoom Cowles Council Chambers followed immediately by Site Visit		2:00 p.m. Thursday, December 19, 2024
Bids Due		2:00 p.m. Tuesday, January 13, 2025
Notice of Intent to Award		January 15, 2025
Council Award		January 27, 2025
Notice to Proceed		January 29, 2025
Pre-Construction Meeting		February 3, 2025
Start Construction		February 10, 2025
Construction Complete		May 2, 2025

SPECIAL PROVISIONS

Beluga Slough Green Infrastructure Stormwater Management Project

The construction contract for this project will be administered in accordance with the General Provisions of the City's Standard Construction Specifications (2011).

MODIFICATIONS TO GENERAL PROVISIONS

SP - 1: Section 10.04 – Add New Article 4.6 – Scope of Work

The Work included under this Contract consists of furnishing all labor, materials, equipment, supervision, and other facilities necessary to successfully complete the Work set forth in the drawings, specifications, and the terms of the Contract, including, but not limited to the following work:

- Grubbing and coffer dam construction from excavation materials, and coffer dam removal.
- Removal of culvert pipe and bollards (to be reset).
- Performing excavation, shoring, and dewatering as necessary for the forming and construction (by others) of a concrete vault, and 40 LF of trench & backfill.
- Backfilling with 200 CY of type III classified fill and placing 50 CY of leveling course, 60 CY of bedding material, and 12 CY of ditch lining.
- Furnishing and installation of HDPE culvert pipes including 12 LF of 42-inch culvert and 30 LF of 24-inch culvert.
- Furnishing and installation of 220 SY of geotextile fabric.
- Furnishing and installation of topsoil and seed.
- Work required for SWPPP Implementation, mobilization and demobilization, and construction survey.
- Traffic Control for roadway and pedestrian trails.

SP – 2 Article 5.12 – Temporary Erosion Control During Construction

Add the following language:

“The City has prepared a Storm Water Pollution Prevention Plan (SWPPP), which will be included in the bid package. The Contractor is required to implement the Best Management Practices in the SWPPP and otherwise comply with the terms of the SWPPP. Compensation will be paid under Bid Item A-27, SWPPP Implementation.”

SP - 3: Article 5.19 – Easement and Rights-of-way

Add the following language:

“The Contractor will be provided access to a laydown area for material storage, job shack, and other uses. The location of this area will be shown in the site map.”

SP - 5: Article 5.19 – Easements and Rights-of-Way

If the Contractor chooses to use Private Property for laydown/staging.
Add the following sentence:

“Private property used for an associated construction activity shall restore property to pre-construction condition or better upon project completion. Contractor is responsible for negotiating conditions of property use and any potential associated fee’s or costs.”

SP - 5: Article 5.25 - Unusual Work Hours

Add the following sentence:

“The noise level from work completed before 8:00 AM and after 8:00 PM cannot exceed 75 db at a distance of 50 feet.”

SP – 6: Article 6.18 – Insurance

Add the following language:

“The Contractor shall also add the Property Owner of the laydown/staging area as additionally insured provided the Contractor elects to use the Private Property to the West of the project site for laydown/staging.”

SP – 7: Article 7.6 – Progress Payments

Remove the following language:

“Until such time as the work is accepted by the City, retainage shall be withheld in accordance with the following schedule:

Contract Completion Percentage	Retainage Percentage
0-75%	10%
76-95%	5%*
Over 95%	5%*

*May be reduced to these percentages depending upon satisfactory performance and adherence to the Contractor's progress schedule, clean-up, Contract completion cost and other factor, in the judgement of the Engineer."

And replace with:

"Until such time as the work is accepted by the City, 10% of the final payment application shall be withheld as retainage."

MODIFICATIONS TO STANDARD SPECIFICATIONS

DIVISION 100 GENERAL DIVISION

SP – 8: Modify Subsection 102.1 General

Add the following paragraph:

"The Contractor shall submit all survey data with each pay application; Field Books with sketches, professionally scaled plan set redlines, electronic survey coordinates. These items shall be submitted in entirety within 10 days of the project completion. In addition, the as-built information shall also be in NAD 83 datum, the City of Homer will provide the coordinate system at the time of contract award."

DIVISION 200 EARTHWORK

SP - 9: Add Section 220 Dewatering

220.1 General

The Work under this Section consists of performing all work and operations pertaining to the dewatering of Work areas, including diversion of surface and subsurface water flows, to provide a dry and stable environment throughout the project for excavation, backfill, and trench Work.

220.2 Materials

Contractor is responsible for preparing, obtaining approval of, and implementing the Dewatering Plan. The Contractor shall provide all equipment, materials, and personnel necessary to prepare and implement the Dewatering Plan; and to provide a dry and stable construction environment throughout the project.

220.3 Construction

Design, installation, and operation of dewatering systems shall comply with current safety and environmental regulations.

The Contractor shall submit his Dewatering Plan to the Engineer a minimum of seven (7) days prior to beginning dewatering activities. The Dewatering Plan shall contain copies of all Contractor obtained permits and approvals. When dewatering approval is required by ADEC, the Contractor shall submit a copy of the approved dewatering plan to the Engineer. Dewatering activities shall not commence until the Engineer has approved the Plan. Acceptance of Contractor's Dewatering Plan by the Engineer shall not relieve the Contractor of responsibility for the exercise of reasonable precaution, sound engineering judgment, prudent construction practices, overloading or misuse of existing or new structures, the adequacy and safety of such Works, and potential damage or undermining of existing or completed Work. Acceptance of the Dewatering Plan by the Engineer does not relieve the Contractor of the responsibility for providing additional Dewatering Work if implementation of the accepted Dewatering Plan does not result in a dry and stable construction environment throughout the project.

Water resulting from Contractor's dewatering effort may not be pumped or otherwise diverted into existing storm drains unless required permits, including, but not limited to, the Alaska Department of Environmental Conservation and Environmental Protection Agency, are obtained by Contractor. Under no circumstances will Contractor be allowed to divert water from the excavation onto roadways. Contractor shall provide disposal site for excess water and shall be responsible for securing all necessary permits and approvals. Contractor shall provide copies of permits and approvals to the Engineer.

The Contractor shall dispose of all water from trench dewatering in accordance with the Municipality of Anchorage Storm Water guidelines and State of Alaska regulations. Contractor shall treat all ground water to prevent debris and sediments from entering creeks, lakes, ponds, wetlands areas and drainage systems.

220.4 Measurement

The method of measurement for Dewatering is lump sum for all Work necessary to provide a dry and stable construction environment throughout the project, including Work not identified in the accepted Dewatering Plan.

220.5 Basis of Payment

Payment for this Work shall be in accordance with Division 10, Section 10.07 - Measurement and Payment, and shall include full payment for all Work described in this Section.

Payment shall be made under the following unit:

<u>Pay Item</u>	<u>Description</u>	<u>Unit</u>
220	Dewatering	LS

SP - 10: Add Section 221 Ditch Lining

221.1 General

Construct ditch lining at the locations on the Plans or as staked.

221.2 Material

Use angular stones that are sound and durable, are no larger than 8 inches in greatest dimension, are not more than 50 percent by weight passing a 3- inch sieve, and not more than 5% passing a 1-inch sieve, as determined by ATM 304.

221.3 Construction

Excavate to the dimensions shown on the Plans. Place and spread ditch lining materials so that the finished face is reasonably uniform and conforms to the lines and slope shown on the Plans or as directed.

221.4 Method of Measurement

Ditch lining shall be measured as Cubic Yards in place.

221.5 Basis of Payment

The accepted quantity of ditch lining shall be paid at the contract unit price, complete and in place.

Payment will be made under:

<u>Pay Item</u>	<u>Description</u>	<u>Unit</u>
221	Ditch Lining	CY

DIVISION 700 MISCELANEOUS CONSTRUCTION

SP - 11: Add Section 711 SWPPP Implementation

711.1 General

This work shall consist of the construction and maintenance of BMPs in accordance with the SWPPP and the performance of all other work required by the SWPPP.

711.2 Method of Measurement

SWPPP Implementation shall be measured as a lump sum.

711.3 Basis of Payment

The accepted quantity of SWPPP Implementation shall be paid at the contract unit price, complete and in place.

Payment will be made under:

<u>Pay Item</u>	<u>Description</u>	<u>Unit</u>
711	SWPPP Implementation	LS

BID FORM**Beluga Slough Green Infrastructure Stormwater Management
Project**

ITEM NO.	SPEC NO.	BID ITEM DESCRIPTION	UNIT	QUAN TITY*	UNIT BID PRICE	TOTAL BID PRICE
1	101	Mobilization & Demobilization	LS	1		
2	102	Construction Survey	LS	1		
3	103	Traffic Control	LS	1		
4	220	Dewatering	LS	1		
5	202	Grubbing & Clearing	Acre	0.1		
6	203	Removal of Obstructions	LS	1		
7	204	Excavation	LS	1		
8	205	Furnish & Install Type III Classified Fill	CY	200		
9	206	Furnish & Install Leveling Course	CY	50		
10	211	Bedding Material (Class C)	CY	60		
11	221	Furnish & Install Ditch Lining	CY	12		
12	702	Furnish & Install Geotextile Fabric	SY	220		
13	711	SWPPP Implementation	LS	1		
14	207	Trench & Backfill	LF	40		
15	802	Furnish & Install 42" HDPE Pipe	LF	12		
16	802	Furnish & Install 24" HDPE Pipe	LF	30		
17	708	Seeding (Type I)	LS	1		
18	710	Topsoil	LS	1		

Deductive Alternate

The following bid item is an optional deduction from the base bid to account for alternative shoring methods. The deduction will **not** be factored into the decision of award. If bidders do not wish to use an alternative shoring method, this line is to be left blank.

BID ITEM DESCRIPTION	UNIT	QUAN TITY*	UNIT BID PRICE	TOTAL BID PRICE
Alternative Shoring	LS	1		

Base Bid Total: \$ _____

Minus Deductive Alternate: \$ _____

Grand Total All Bid Items: \$ _____

Name of Bidding Company _____

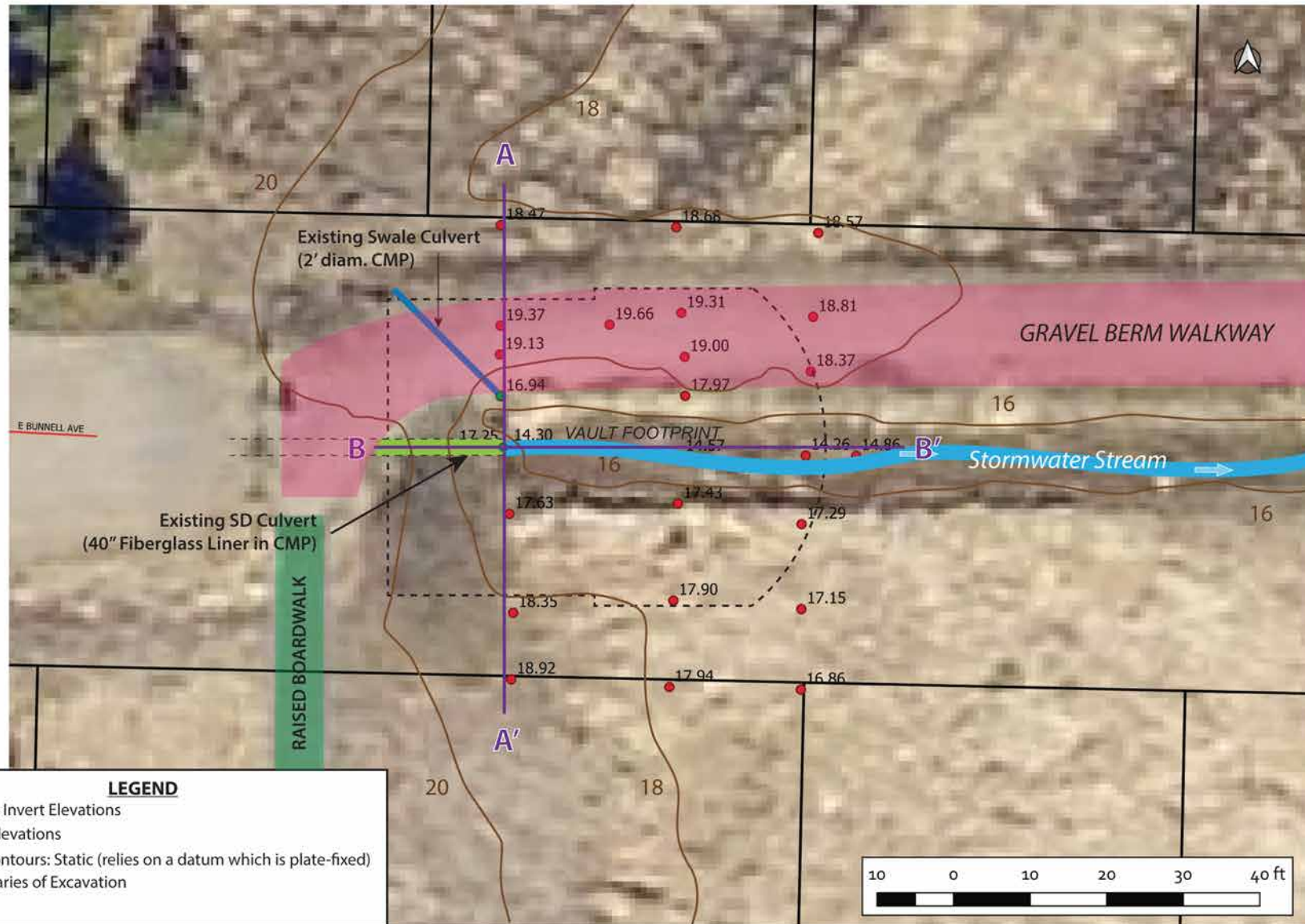
Address of Bidding Company _____

Signature of Company Representative _____ Date _____

Printed Name of Company Representative _____

Phone#/Email _____

SITE PLAN EXCAVATION



CLIENT

City of Homer
 Homer Public Works Dept
 3575 Heath St
 Homer, AK 99603

PROJECT

E. Bunnell Outfall
 Stormwater Treatment
 System

DRAWN BY

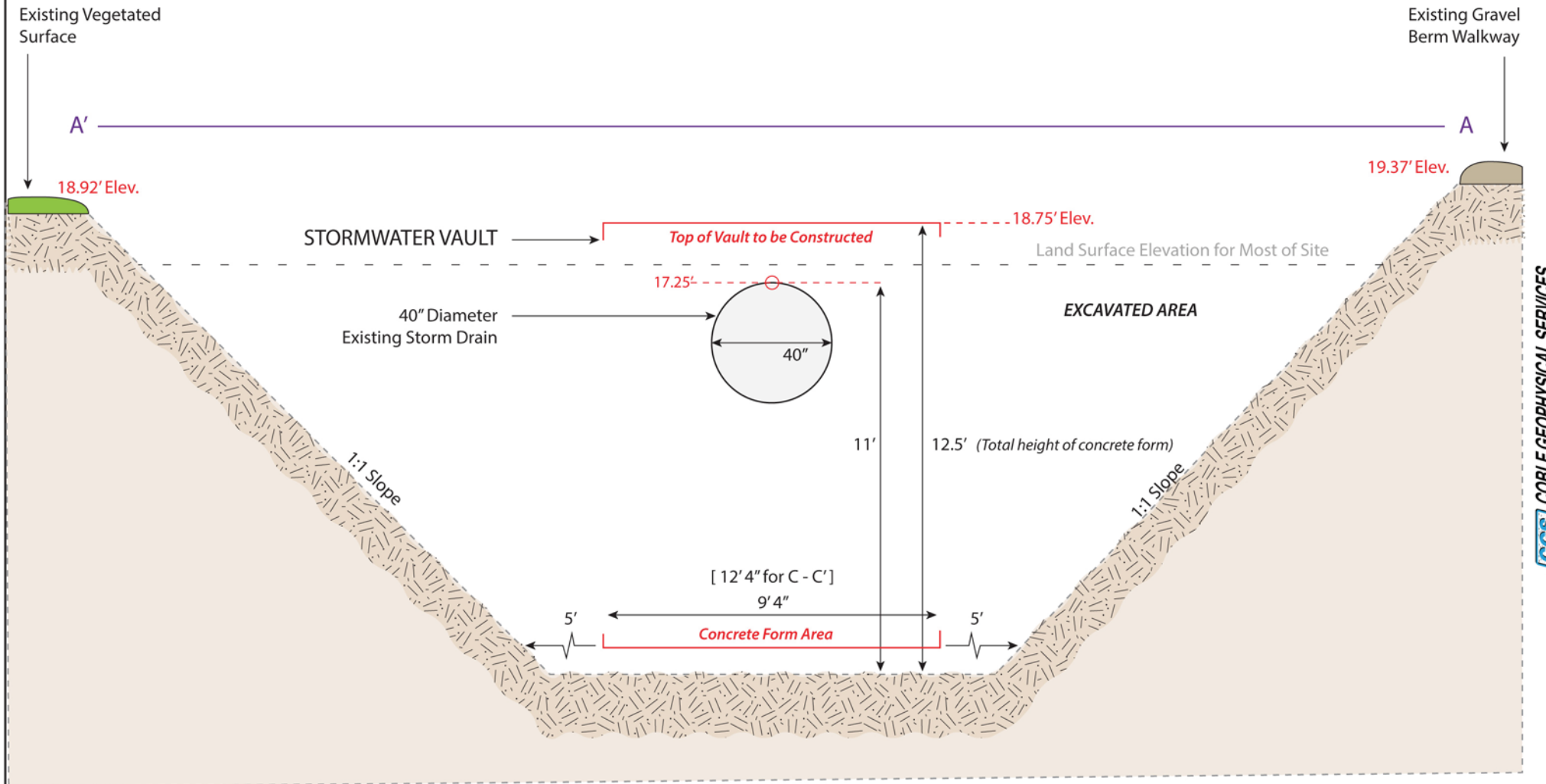


DESCRIPTION

Limits of Excavation Showing
 Existing Storm Drain and
 Swale Culvert

**FIGURE
 E1**

SITE PLAN EXCAVATION



CLIENT

City of Homer
 Homer Public Works Dept
 3575 Heath St
 Homer, AK 99603

PROJECT

E. Bunnell Outfall
 Stormwater Treatment
 System

DRAWN BY

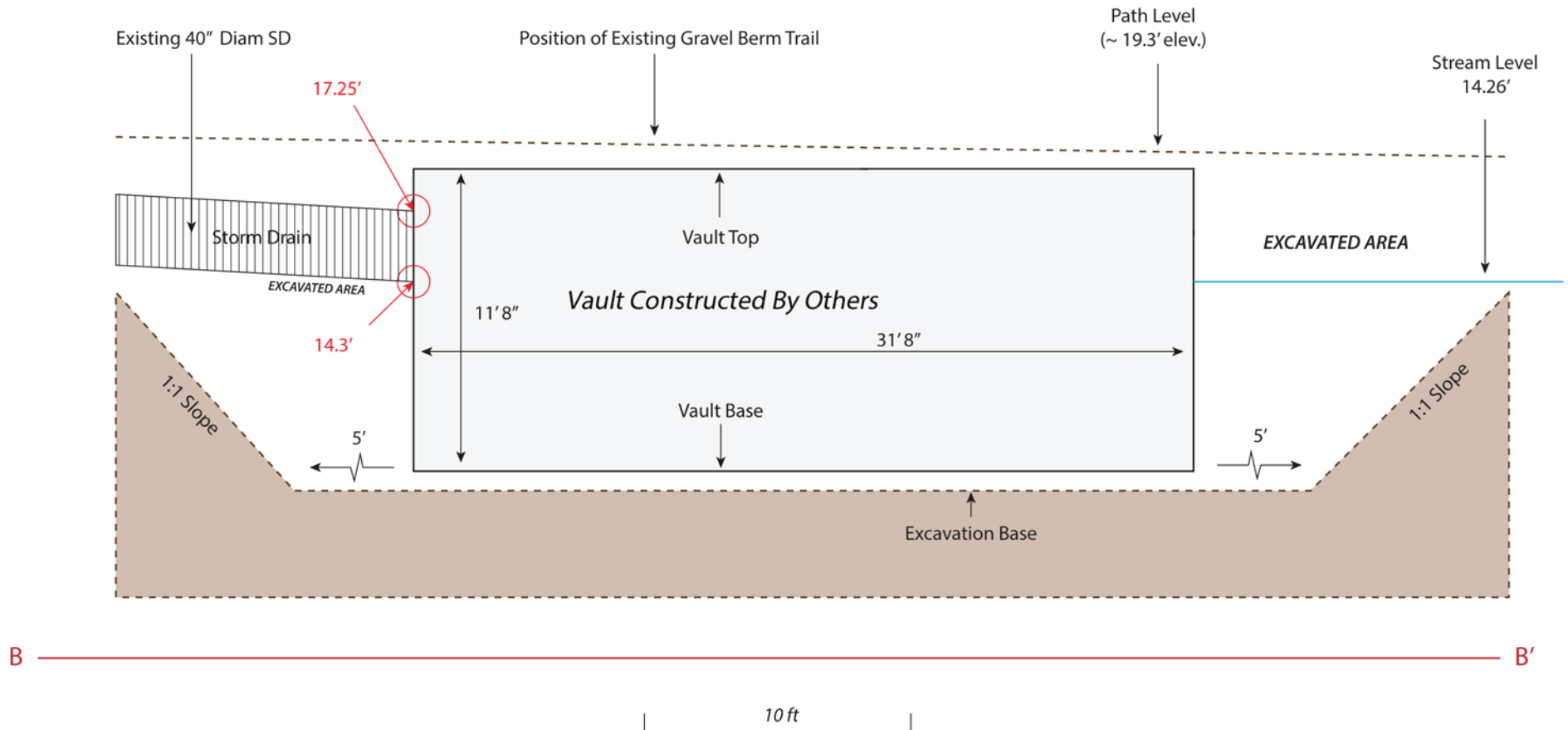


DESCRIPTION

Boundaries of Excavation:
 Cross Section A to A'

FIGURE
 E2

SITE PLAN EXCAVATION



CLIENT

City of Homer
Homer Public Works Dept
3575 Heath St
Homer, AK 99603

PROJECT

E. Bunnell Outfall
Stormwater Treatment
System

DRAWN BY

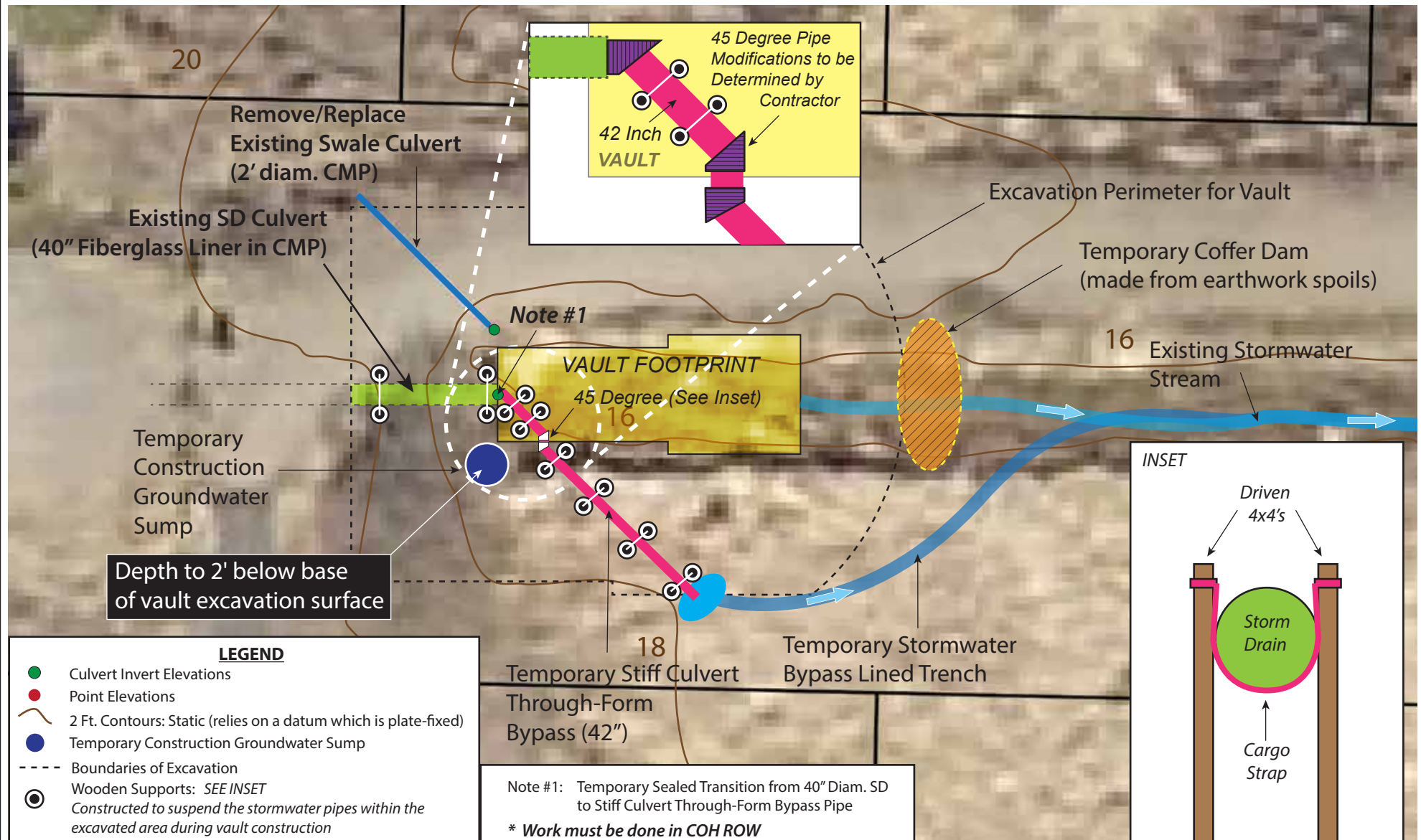


DESCRIPTION

Boundaries of Excavation:
Cross Section B to B'

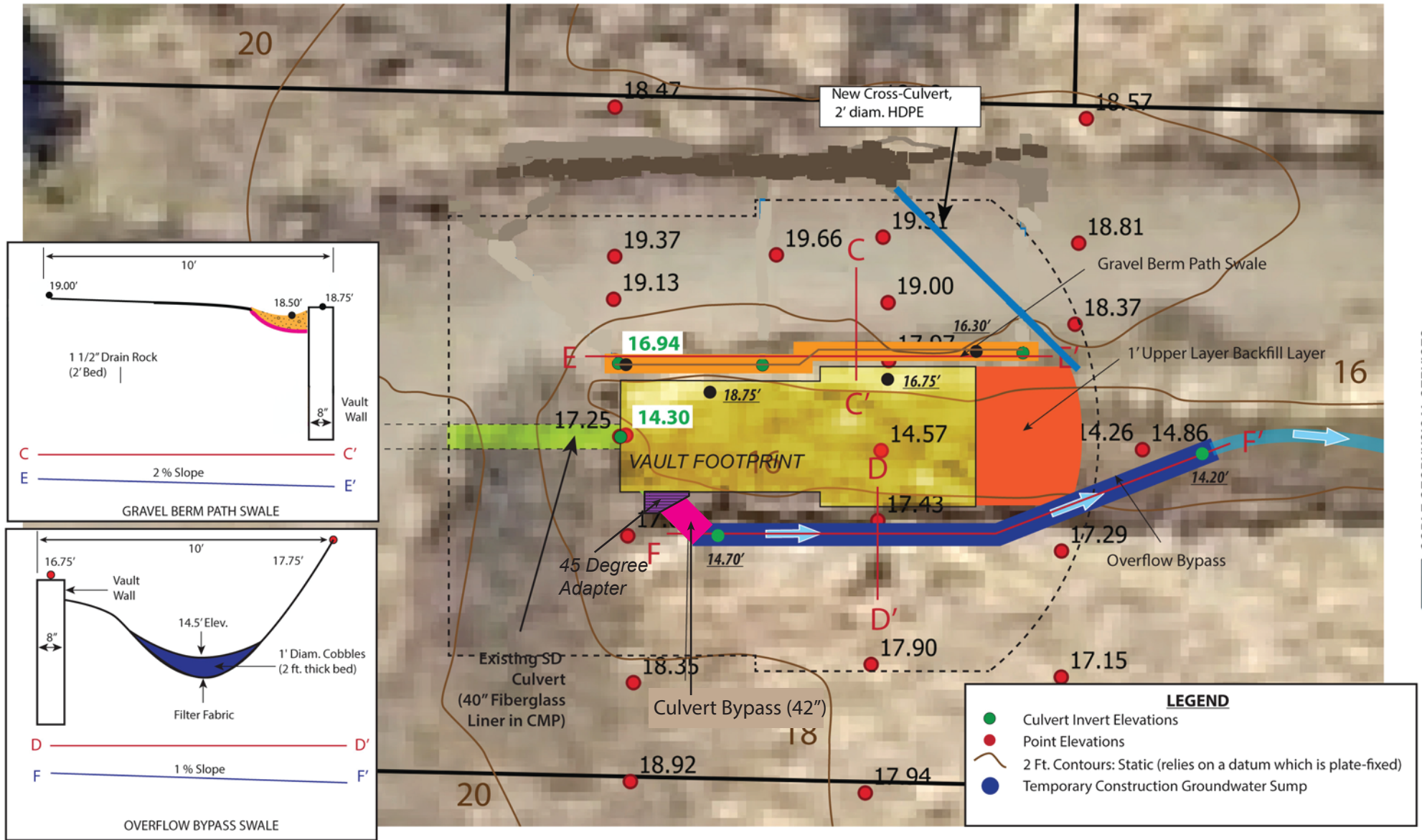
FIGURE
E3

SITE PLAN EXCAVATION: TEMPORARY STORMWATER BYPASS PLAN



CLIENT	PROJECT	DRAWN BY	DESCRIPTION	FIGURE E4
City of Homer Homer Public Works Dept 3575 Heath St Homer, AK 99603	E. Bunnell Outfall Stormwater Treatment System	CGS	Management of Surface Water and Groundwater of Earthwork During Construction	

BACKFILL & FINAL GRADING PLAN



CLIENT
City of Homer
Homer Public Works Dept
3575 Heath St
Homer, AK 99603

PROJECT
E. Bunnell Outfall
Stormwater Treatment
System

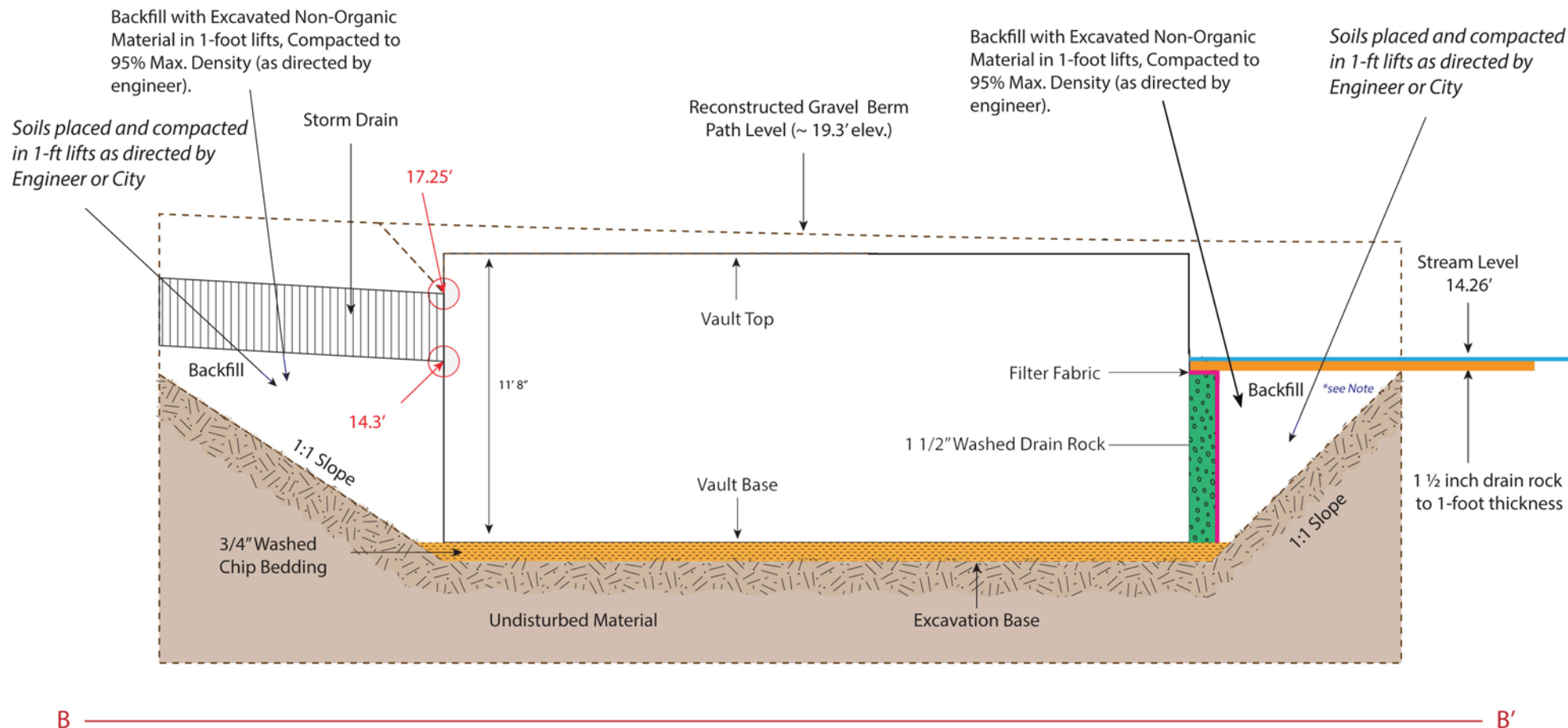
DRAWN BY



DESCRIPTION
Aerial Showing New Culverts,
Drainage Swale, and Overflow
Bypass

**FIGURE
E5**

BACKFILL & FINAL GRADING PLAN



**Note: Drain Rock shall be installed along with trench backfill as close to shown as possible*

Note: Backfill compact to 95% max density' only for under restored gravel berm walkway area.

<u>CLIENT</u>	<u>PROJECT</u>	<u>DRAWN BY</u>	<u>DESCRIPTION</u>	FIGURE E7
City of Homer Homer Public Works Dept 3575 Heath St Homer, AK 99603	E. Bunnell Outfall Stormwater Treatment System		Boundaries of Earthwork: Cross Section B to B'	