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## CITY OF UNALASKA

JANUARY 7, 2014

### ADDENDUM 01

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**TO: ALL PLAN HOLDERS**

**SUBJECT: INVITATION TO BID  
UNALASKA PYRAMID WATER TREATMENT PLANT – LT2 UPGRADE  
PROJECT NUMBER: DPW # 13401**

**BID DATE: Wednesday, January 22, 2014 2:00 PM (AST)**

This addendum consists of: Seven (7) 8½" x 11" sheets. Three attachments.

The following corrections, changes, additions, deletions, revisions, and or clarifications are hereby made a part of the documents for the Unalaska Pyramid Water Treatment Plant – LT2 Upgrade dated December 6, 2013. In case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence.

**Note to Bidders:** Bidders are required to acknowledge this addendum on the bid form.

#### **GENERAL CLARIFICATION:**

1. The Bid date and time has changed from "Thursday, January 16, 2014 2:00 PM (AST)" to "**Wednesday, January 22, 2014 2:00 PM (AST)**". Location is unchanged and bid questions deadline remains six days prior to bid opening date.

#### **CHANGES TO SPECIFICATIONS:**

1. Section 00100 12. C Attachments, Replace "Alaska Business, Unalaska Business and Contractor's Licenses" with "Alaska Business and Contractor's Licenses".
2. Section 00100 12. C Attachments, Remove items "EPA Certification Regarding Debarment, Suspension and Other Responsibility Matters" and "SOA Equal Employment Opportunity Forms"
3. Section 00100 12. C Attachments, add "Part 8 – Appendices"
4. Section 00100 13. A, Replace Item A. with "Prior to the time and date designated for receipt of Bids, any Bid submitted may be modified or withdrawn by notice to the party receiving Bids at the place designated for receipt of Bids. Such notice shall be in writing over the signature of the Bidder or by facsimile over the signature of the Bidder. The modification shall indicate in writing the amount of the increase or decrease in each bid



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item being modified and the total amount of the bid modification, however, any modification by facsimile shall be worded as to not reveal the amount of the original or modified Bid. Facsimile contact number is:

City of Unalaska (907) 581-2187 Fax"

5. Section 00500 2.1, Change "The CONTRACTOR shall have until August 15, 2015 to substantially complete the project. The contractor shall have until September 30, 2015 for final completion." to "The CONTRACTOR shall have until August 1, 2015 to substantially complete the project. The contractor shall have until September 30, 2015 for final completion."
6. Part 7 Geotechnical Reports: Delete "NGE-TFT Field Activities and Foundation Recommendation, October 2013" add "NGE-TFT Field Activities and Foundation Recommendation, November 2013".
7. Part 7 – Geotechnical Reports: Add a 4<sup>th</sup> line with text "Discharge Location Photos".

**Attachment A** of this addendum shall be included in Part – 7 Geotechnical Reports.

8. Section 02317 3.03.A: Replace with "EXCAVATION IS UNCLASSIFIED AND INCLUDES ALL EXCAVATION, OVER-EXCAVATION, AND CLASSIFIED FILL AND BACKFILL\_\_NECESSARY TO PERFORM THE WORK, REGARDLESS OF CHARACTER OR TYPE OF MATERIALS AND OBSTRUCTIONS OR OTHER HINDRANCES ENCOUNTERED. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND WHATEVER SUBSTANCE ENCOUNTERED, INCLUDING ROCK AND DEWATERING OR DIVERSION OF WATER."
9. Section 09960, 2.03.C.2 – Change to "EPO-Flex MER II manufactured by Sherwin-Williams."
10. Section 09960, 3.07.A – Change "Finish Schedule" to "MATERIALS AND COLORS schedule in drawings".
11. Section 13121, 1.08 – Remove paragraph "D".
12. Section 13121, 2.04.B – Delete "with stucco embossed texture".
13. Section 13121 2.06 FINISHES A - Change "Framing Members: Clean, prepare, and shop prime. Do not prime surfaces to be field welded." to "Framing Members: Hot-dip galvanized."
14. Section 15065: Change Section number 15065 to section 15265.
15. Section 16755: Of the two sections, delete the section that references "CATEGORY 5e UTP" in section 1.07.E.



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#### **CHANGES TO DRAWINGS:**

1. Sheet C1.0: Change "INSTALL 48 LF 18" DIA CPEP CULVERT, PER 4/C3.0" to "INSTALL 48 LF 18" DIA SCH 40 STEEL CULVERT, PER 4/C3.4".
2. Sheet C3.4 Detail 4: Change "18" CPEP CULVERT" to "18" DIA SCH 40 STEEL CULVERT".
3. SHEET C2.0: Change "OVER EXCAVATED MATERIAL DISPOSAL SITE. SEE SECTION NOTE 1, SHT. C3.0" to "EXCAVATED MATERIAL SHAPED STOCKPILE SITE. MAKE THE COMPLETED STOCKPILE NEAT AND REGULAR IN FORM. MAKE THE FINAL ELEVATION BETWEEN 296 AND 304 FEET. MAKE THE SIDE SLOPES 1-1/2:1. STABILIZE."
4. Sheet C1.0: Change "INSTALL 31 LF 24" DIA CPEP CULVERT, PER 1/C3.4" to "INSTALL 31 LF 18" DIA CPEP CULVERT, PER 1/C3.4"
5. Sheet C1.1: Replace NOTE 1 with "EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES THAT COULD POTENTIALLY INTERFERE WITH THE PROJECT. ADJUST THE VERTICAL ELEVATION OF THE PROPOSED UTILITIES AS NECESSARY SO AS TO NOT REQUIRE BENDS AND FITTINGS AT THE CROSSINGS."
6. Sheet C2.0: Replace GRADING NOTE 3 with "PROVIDE MINIMUM DEPTH OF 6" AGGREGATE SURFACE COURSE AND 18" CLASSIFIED FILL UNDER GRAVEL ACCESS AND BUILDING PAD"
7. Sheet C3.0, Detail 1: Change both dimensions text "10" to "10', TYP".
8. Sheet C3.0, Detail 2: Add vertical dimension of "18" CLASSIFIED FILL, MIN" below the 6" aggregate surface course of the gravel pad outside of the over-excavation area.
9. Sheet C3.4: Delete CULVERT NOTE 2.
10. Sheet C3.5, Detail 2: Change "STAINLESS STEEL MANHOLE GRATE, PER 3/C3.6" to "MANHOLE GRATE, PER 3/C3.6".
11. Sheet C3.6: Replace "PREFABRICATED CONCRETE MANHOLE SECTION, TYP OF 4. SEE MANHOLE NOTES ON SHEET C3.4" to "PREFABRICATED CONCRETE MANHOLE SECTION, TYP OF 4. SEE MANHOLE NOTES ON SHEET C3.4".
12. Sheet C3.7: Replace "MIN 3" CLASS B BEDDING MATERIAL" with "MIN 3" CLASSIFIED BEDDING MATERIAL"



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13. Sheet C3.8: Replace DRAINAGE FIELD NOTE 1 with “ALL WORK SHALL BE SUPERVISED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ALASKA. THE LICENSED ENGINEER WILL BE PROVIDED BY THE OWNER.”
14. Sheet A1.1: Delete NOTE 8.
15. Sheet A3.1, Detail 2: Change note “OVERHEAD CRANE (SEE STRUCTURAL)” to “OVERHEAD CRANE, TYPE TRALIFT TE 2000 OR APPROVED EQUAL, AND SUPPORTS TO BE SUPPLIED WITH PRE-MANUFACTURED BUILDING PACKAGE”
16. Sheet A6.1, MATERIALS AND COLORS schedule: Change “OVERLY DOOR COMPANY” to “CHEMPRUF DOOR COMPANY” and “TIGER DOOR FRP” to “FRP DOOR” and “MIST GREY” to “LIGHT GRAY FINE PEBBLE” (two instances).
17. Sheet S1.0, DESIGN CRITERIA: Add “125 PSF LIGHT STORAGE” under the FLOOR LOADINGS category.
18. Sheet M5.1: Replace EQUIPMENT KEY NOTE #3 with “5’x5.5’x4” CONCRETE SLAB.”
19. Sheet E0.1: Replace “NEW PAD MOUNT 480V:12470V SINGLE PHASE TRANSFORMER BY UTILITY FOR SERVICE TO ICY CREEK DAM SEE 1/E2.1” with “NEW PAD MOUNT 480V:12470V SINGLE PHASE TRANSFORMER (PARTS PROVIDED BY OWNER) FOR SERVICE TO ICY CREEK DAM SEE 1/E2.1”.
20. Sheet E2.1: Replace “PADMOUNT TRANSFORMER PROVIDED BY UTILITY” to “PADMOUNT TRANSFORMER, PARTS TO BE PROVIDED BY OWNER”.

#### **RESPONSES TO CONTRACTOR QUESTIONS:**

- Q.1. What is the range of flow output for the Water Treatment Plant?
  - A. The Water Treatment Plant is designed to handle between 300 gallons per minute and 6,250 gallons per minute.**
- Q.2. The drawings for the Main Control Panel have the Boreal Controls logo on the door and the specs reference the programming is not in the scope of the supply. Is the panel also to be provided by Boreal?
  - A. Boreal Controls is not supplying the Main Control Panel, see Specifications 16900 1.01 A and B. It is to be provided by the Contractor. The BCI logo was inadvertently shown on the control panel drawing. The BCI logo will not be used on the control panel. The Contractor is not providing the PLC or HMI programming for the Main Control Panel. However, the supplier of the UV system should provide all of the PLC programming for the UV controllers.**



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- Q.3. What is the construction cost range?
- A. The Owner is not releasing a total project cost range at this point.**
- Q.4. Is the Discharge Water line subject to the chlorine disinfection requirements?
- A. All exterior water lines will require disinfection with the exception of the 24” diameter Discharge Water Line between Station 20+39.47 and Station 22+00.34 as shown on sheets C1.3 and C1.4.**
- Q.5. Do all joints for the ductile iron pipe require mechanical joints?
- A. All ductile iron joints shall be mechanically joined per Note 2 on Sheet C3.1.**
- Q.6. Is there some variance in the location of the ductile iron pipe connections to the stainless steel pipes in the WTP building?
- A. Ductile iron pipe installation at the location of the WTP building shall be coordinated with the installation of the building concrete slab and the installation of the interior stainless steel pipe to match the specified locations and dimensions outlined on sheet P1.2.**
- Q.7. Instructions to Bidders 5.D indicates the Bidder is responsible for “...investigations, explorations, tests...concerning conditions (surface, subsurface and Underground Facilities)...” Please confirm the Geotechnical reports provided should be used for the basis of work to be completed.
- A. Instruction to Bidders 5.A.3 references the geotechnical reports and their limitations.**
- Q.8. Regarding items that are to be submitted with the General Contractors bid package, specifically DBE forms, in consideration that some subcontractors will not be known until very late into bid process (near submission bid time), please advise if fax or email submission of these forms will be allowed?
- A. The contractor can fax these documents to the Owner as a modification to their bid package, prior to bid opening. Refer Section 00100 13.A.**
- Q.9. Section 13121 1.08.D it appears some information is missing from this sentence.
- A. See *Changes to Specifications* above.**
- Q.10. Section 13121 2.04.B confirm you in fact want “...with stucco embossed texture.” for the interior liner of panels; this is an added expense.
- A. See *Changes to Specifications* above.**



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Q.11. Please advise the price analysis for this project, as referenced in EPA Region 10 Contract Specifications.

**A. The Owner is the grantee and has completed an independent cost analysis which will not be made available to prospective bidders at this time.**

Q.12. What will the City of Unalaska provide with regards to the transformer and transformer pad?

**A. 3-Phase Transformer. The City has previously installed a vault and a 300 KVA 480/277 transformer at the edge of the existing Right-of-Way adjacent to the building site. There are two 4" conduits stubbed out from the transformer vault oriented towards the proposed building perpendicular to the road ROW. The Contractor is responsible to install everything beyond the existing transformer installation and terminate. There is a communication vault on the down valley side of the transformer.**

Q.13. Does the City require the contractor to return 1 year later for electrical recertification according to section 16724, 1.14.A?

**A. Yes.**

Q.14. Will a copy of the pre-bid attendance list be distributed?

**A. Attachment C – Pre-bid Meeting Attendance List is attached for reference only.**

Q.15. Does the 36" discharge line to be abandoned need to be usable afterwards as removal will damage the joints?

**A. The intent of the note is that the 36" line not be abandoned in place, only removed, which is a clarification of options on sheet D1.0 Demolition Instructions Note 2 "remove or abandoned in place...". As removal will damage the joints the owner understands that the pipe will no longer be serviceable for pressurized water but will make usable culvert pipe.**

Q.16. Section 9960 indicates Epo Flex MER I as the floor coating while the finish schedule shows Epo Flex MER II which is correct?

**A. See *Changes to Specifications* above.**

Q.17. All of the piping in the process and chlorine areas are scheduled to be PVDF or Stainless steel. In the stainless steel spec it is called out that there will be no pipe coatings, however no mention is made in the PVDF specification. Are the PVDF pipes to receive coatings? If so what will the system be?

**A. The PVDF piping in Section 15261 into and out of the chlorine room are to be the pure polymer with no coatings.**



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Q.18. Can you clarify whether or not there is a requirement for 250 lb flanges on the process piping inside the plant? The spec defines the system to be tested at 150 psi, however, there are process valves that are called out with 250 lb drilling.

**A. For most of the plant, the 150 lb flanges and piping are adequate. However, the chlorine pumps will be putting out 200+ psi for the water going into (and out of) the Chlorine room. These flanges and pipes need to be able to withstand the higher pressures and are identified on P2.2 and P3.1.**

**ATTACHMENTS:**

- Attachment A – Discharge Location Photos
- Attachment B – Bid Form
- Attachment C – Pre-Bid Meeting Attendance List

# **ATTACHMENT A**

STAKING

1+70  
252.84

1+40  
251.2

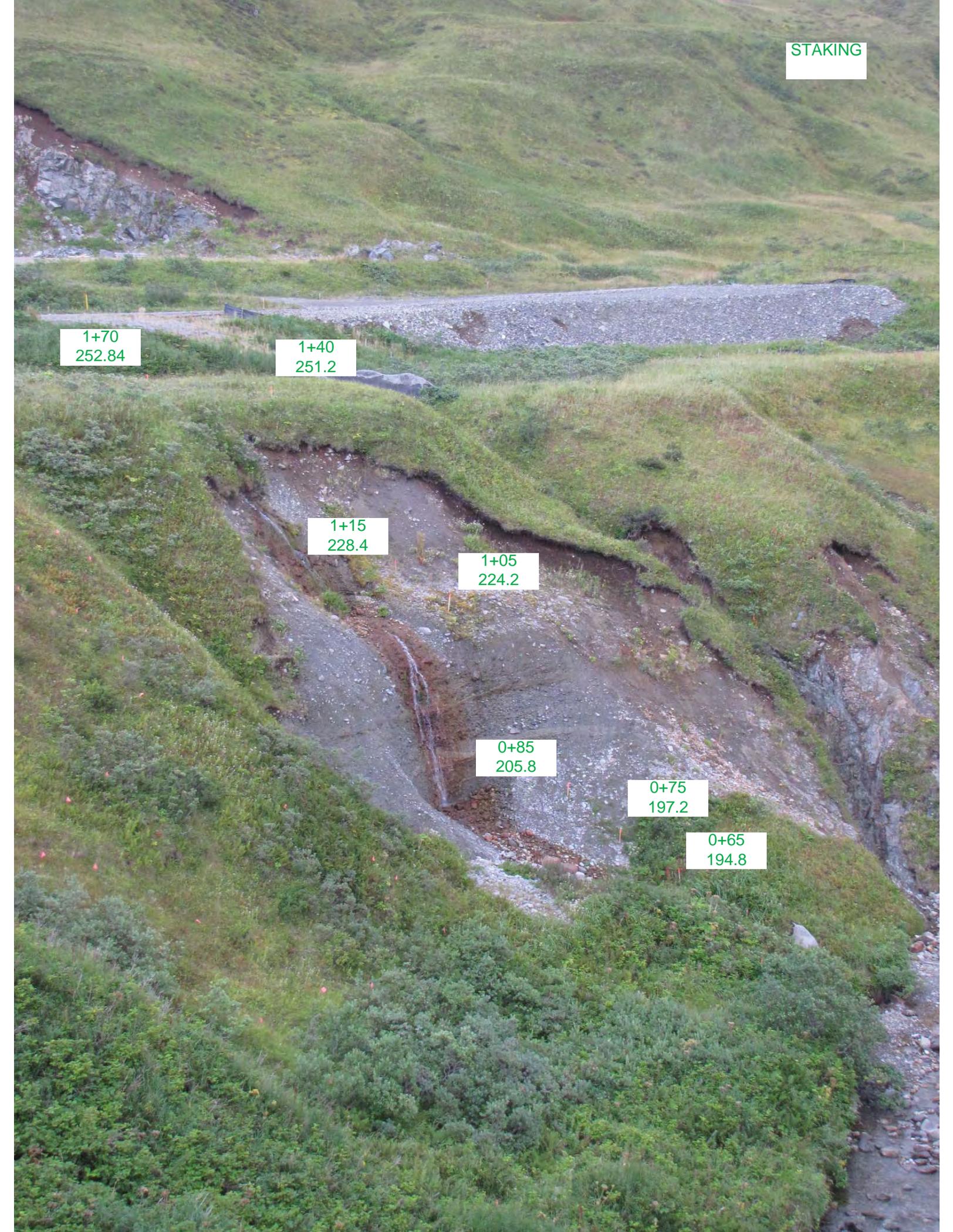
1+15  
228.4

1+05  
224.2

0+85  
205.8

0+75  
197.2

0+65  
194.8



















# **ATTACHMENT B**

**BID PROPOSAL**  
City of Unalaska  
**PYRAMID WATER TREATMENT PLANT - LT2 UPGRADE**

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION ( Write Unit Bid Price in Words)
1	Lump Sum	All work necessary for a complete functional Water Treatment Plant as described in these documents except what is described below as an Alternate.  _____ Per lump sum
Alternate A	Lump Sum	Buried Pipe Portion of the Discharge Water Line. Includes all work associated with installation of the buried 24" diameter ductile iron pipe between Station 0+50 and 1+50 as described on Drawing C1.3, Buried Discharge Water Line Plan and Profile.  _____ Per lump sum
Alternate B	Lump Sum	Above Ground Pipe Portion of the Discharge Water Line. Includes all work associated with installation of the above ground 24" diameter ductile iron pipe between Station 0+50 and 1+50 as described on Drawing C1.4, Above Ground Discharge Water Line Plan and Profile.  _____ Per lump sum

Item No. 1 Price: \$ \_\_\_\_\_

Item No. 1 Price (in words): \_\_\_\_\_

Alternate A Price: \$ \_\_\_\_\_

Alternate A Price (in words): \_\_\_\_\_

Alternate B Price: \$ \_\_\_\_\_

Alternate B Price (in words): \_\_\_\_\_

Bidding Company: \_\_\_\_\_

Name (Printed): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Contractors License No. \_\_\_\_\_ Business License No. \_\_\_\_\_

# **ATTACHMENT C**

PRE-BID CONFERENCE SIGN-IN-SHEET

PRE-BID CONFERENCE: A Pre-bid conference will be conducted on December 19, 2013, 2:00 pm, TELECONFERENCE or in person at CITY COUNCIL CHAMBERS, UNALASKA.

<u>CONTRACTOR</u>	<u>REPRESENTATIVE</u>	<u>SIGNATURE</u>
AMI	John Albright, Stacey Walters, Griffen Imig	
MKB	Mark Jensen	
ASRC-SKW Eskimos	Tamara Young	
Eklutna Services	Chad Able	
Northern Mechanical	Archie Stepp	
DOWL Industrial	Aaron McLaughlin	
Bethel Services	Bob Holden, Jim Cehula	
Unalaska City Water	Clint Huling	
Unalaska DPU	Dan Winters	
Bering Shai Rock	Billy Shai	
Aleutian Electrical	Rodney Rushing	
Unalaska DPW	Robert Lund	
LCG	Dale McCoy, Ryan Wrocklage	