

ADDENDUM No. 2 TO THE CONTRACT DOCUMENTS

Project: City of Unalaska Lake & River Restoration Projects

Addendum Issue Date: December 11, 2015

Issued for Bid Date: November 13, 2015

Bid Due Date: January 6, 2016, 2:00pm (AK)

Previous Addenda Issued: None

Issued By: Alexandra West
PND Engineers, Inc.
1506 West 36th Avenue
Anchorage, Alaska 99503

Notice to Bidders:

Bidders must acknowledge receipt of this addendum prior to the date set for bid opening by one of the following methods:

- (1) By acknowledging receipt of this addendum on the bid submitted.
- (2) By fax which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by fax provided such a fax makes reference to this addendum and is received prior to the opening date specified above.

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

ITEM 1

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *00030 Invitation to Bid*

Sealed bids will now be received until 2:00 p.m. (AKST) on **January 6, 2016** and then will be publicly opened and read. Any bids received after the time and date specified will not be considered.

ITEM 2

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *00030 Invitation to Bid*

Bids may now be submitted to the City of Unalaska (as shown in the bid documents) and to PND Anchorage's office at:

PND Engineers, Inc.
Attention: Alexandra West
1506 W. 36th Ave.
Anchorage, AK 99503

ITEM 3

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *Pre-bid Meeting Minutes*

See the attached pre-bid meeting minutes.

ITEM 4

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *00300 Bid Form*

Replace Bid Proposal with attached. Note updated order of additive alternates.

ITEM 5

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *Project Plans*

See the attached updated general notes.

ITEM 6

Contract: *City of Unalaska Lake & River Restoration Projects*
Section: *Bidder Questions*

The following lists bidder questions and corresponding responses.

1. There was discussion on relaxation of the E-1 material requirements. Will this be of the degradation value, gradation? Does this just apply to the E-1, or to all rock?

The E-1 material degradation value and sodium sulfate requirements have been relaxed. See Sheet 4 of the revised project plans (rev. 1).

2. Can you take a look at the pipe bedding material (3" minus)? Have used D1 in the past and it's much easier to work with and does not damage the pipe. This was used for the water treatment plant construction.

Pipe bedding material will remain as specified in the plans.

3. Are updated drawings coming soon?

Updated drawings will be submitted in future addenda.

4. There is a requirement for use of recycled projects?

Note Supplementary Conditions issued in Addendum #1. Preference must be given to products containing recycled materials identified in guidelines developed by the EPA. Exceptions may be made. See Supplementary Conditions.

5. Are DBE solicitations required? Do they have to go through the full State process?

DBE solicitations are required. The contractor must demonstrate a good faith effort. Please reference the DBE forms and the supplemental conditions from Addendum #1.

6. Is there a DBE goal?

Good faith effort.

7. There are “acts” referenced in Appendix D. Can it be assumed they are all taken care of? Is there anything that we are waiting on?

Project permits are anticipated prior to the NTP date. The contractor must follow all local, state, and federal laws and regulations.

8. Is Phase I (Stormwater Management Program Plan) completed?

Phase I was completed in early 2015.

9. What is the source for the beach wildrye?

Follow the Beach Wildrye Planting Guide for Alaska by Stoney Wright for planting of beach wildrye **sprigs**. Sprigs can be harvested from within the project limits using hand tools (i.e. shovels). Actual locations of harvesting will be identified in the field. Ensure that beach wildrye clumps for sprig division are harvested sporadically from well-established areas as to not create a bare area exceeding 2'x2'.

10. There does not appear to be a spec for the “clean 3” material” in the weir section, that overlays the rip rap. Detail “B-B weir section”, sheet 7. Is this meant to be drain rock? Will you be providing a gradation spec?

Material should be Select Material Type A.

11. On sheet 7 and 8, SD-2 calls for a type 1 SDMH, SD-0 does not specify what type, and SD-4 specifies to be a 48” catch basin. There are no details for a catch basin, and we need information on SD-0.

SD-0 is SDMH, Type 1. Provide a SDMH Type 1 at structure SD-4.

12. There are two riprap slope protections required on Lower Iliuliuk River (see sheet 16); however, it is difficult to get an accurate dimension by scaling only. Is there more information on the quantity needed at these locations?

Reference bid requirements regarding site visit prior to bid. Riprap will be installed according to the typical detail, but remaining outside of wetlands. Volume may vary due to wetland extents.

13. Please confirm that all items listed in “storm drain profile” detail on sheet 10 are to be newly installed by contractor. The other sheets say “furnish and install” and this sheet does not. Also, are we to assume using existing material to rebuild roadway excavation in Overland Drive at this location?

All items listed in “storm drain profile” on Sheet 10 are to be newly installed by the contractor. See typical trench detail.

14. Sheet 13, what is the width of the class II rip rap basin? The typical on sheet 18 shows the slope as “varies:1” ratio.

The basin drawings are being revised and will be included in the next addendum.

15. Sheet 7, there is an existing timber shelter that will need to be temporarily relocated for the SD installation. What is the structure foundation? Are any pictures available?

The following photo displays the timber shelter. Please reference the bid requirements for a site visit prior to bidding.



16. On the L&R project, what is going to be the basis of award, as far as the alternates? For instance, will alternates be chosen sequentially until the budget is reached, or will the City of Unalaska pick and choose which alternate they want after the base bid?

The granting agency provided a prioritization schedule for the order in which additive alternates will be selected. Additive alternates have been prioritized numerically with Additive Alternate #1 being the first to be selected, and Additive Alternate #6 being the last. The basis for award will be lowest bid price for the Base Bid plus all the Additive Alternates selected for award.

17. Getting the bid documents to the City of Unalaska has proven difficult in the past due to unreliable flights for mail/gold streak. Can the bid requirements be changed to allow for bids to be received at PND's office in Anchorage? This will allow better opportunities for contractors not based in Unalaska to bid on this project, providing more competitive numbers to the owner.

Bids will now be accepted at PND's office in Anchorage as well as the City of Unalaska.

18. Is there a disposal site available for unsuitable material? If so, where?

See General Notes (sheet 4) of plans, Section 5A – Site Demolition & Preparation. "Aggregate material to be disposed of shall be stockpiled at the landfill."

19. How is the relocation of utilities to accommodate the work paid for?
Relocation of utilities will be part of the associated project's lump sum.

20. Is onsite compaction testing included as part of the 3rd party testing requirement or will the owner take care of it?

If onsite compaction testing is performed it will be provided by the owner.

21. Is there a designated site on island to get the beach wildrye grass sprigs from?

See answer to question #9.

22. Sheet 6 has a note to "Grade & Resurface with Select Material Type A Between Top of Swale and Armstrong Court. See Detail Sheet 17". The detail on Sheet 17 for the Armstrong Drainage Swale does not state the thickness of the new Select Material, Type A. How thick is the Type A in this area? Furthermore, we assume the existing material will require excavation prior to placement of the new Type A?

Material will be removed/added as required to obtain necessary grade. Thickness of Select Material Type A varies. A minimum thickness of 6" is required. This will be shown in the updated plans in future addenda.

23. Sheet 6 (Additive Alternate #1) Scope of Work includes the placement of a 33' long 12" Schedule 40 Steel Pipe. Does the City of Unalaska have some 12" steel piling materials that would be suitable for this installation that could be supplied for this Project?

The City of Unalaska does not have pipe to use.

24. In Addendum #1, the Geotechnical Report shows some bedrock requiring excavation for the installation of the storm drain line and catch basins along Overland Drive. Is the use of explosives allowed for rock trenching?

Explosives may be used for rock trenching at the contractor's risk and awareness of the proximity to residences, commercial businesses, and utilities.

25. Due to the installation of the Overland Drive Storm Drain, some of the shoulder and outside lane of Overland Drive will be excavated during the trenching. We assume that the road prism will be

required to be re-built. Please clarify with a detail showing these road prism thicknesses and types of material.

See Typical Trench Section detail.

26. There are notes on Sheets 11 & 13 of the plans that state “Estimated Water & Sewer Service Locations. Contractor to Verify & Re-Locate if Required”. We assume the “Sewer / Storm Drain Detail” on Sheet 18 is in regard to this requirement. It is difficult to estimate the cost of this work if required prior to the bid. As stated, it would require us to put a contingency in our bid for possibly performing this work. On the other hand, if we don’t end up having to perform any modifications, then the City of Unalaska would have paid for work that wasn’t performed. We would recommend that if the Water & Sewer Services Relocation work is required, then make it a Changed Condition. This way, both parties have a clear understanding of the work required.

The “Sewer/Storm Drain Detail” on Sheet 18 is not for the notes on Sheets 11 & 13. See Sheet 8.

27. It is our understanding that the CESCL Class has been deleted in its entirety from the Project as per Addendum #1. Please clarify.

Correct. The AK-CESCL Class has been deleted from the Project per Addendum #1.

28. We assume that the award of the Project is based on the total of the Base Bid & All of the Additive Alternates. Please clarify.

Reference response to question #16.

END OF ADDENDUM

Future addenda are planned and will address, though not be limited, to the following items (for information only, contents of the addenda may change without notice):

1. Updated project drawings
2. Project permits

PRE-BID MEETING MINUTES
December 4, 2015
2:00 PM
1-800-315-6338; Code: 141100#

Prepared by: PND Engineers, Inc.

Introduction & Project Overview: Paul Kendall, PND

Parties attended included:

- PND Engineers, Inc.
- City of Unalaska Department of Public Works
- Eklutna Services, Inc.
- Northern Alaska Contracting
- Brechan Construction
- Ridge Contracting
- TZ Engineering

The City of Unalaska is seeking a Contractor to provide various drainage system improvements for lake and river restoration during the early 2016 construction season. The base bid will involve construction of the Steward Road Pond Improvements. Additive alternates include:

- Armstrong Court Drainage Improvements,
- Overland Drive Diversion Culvert,
- Overland Drive Storm Drain System,
- Overland Drive Basin Improvements,
- Overland Drive Outlet Swale Improvements
- and the Lower Iliuliuk River Improvements (not grant funded).

In addition to the base bid, the City will award additive alternates based on available funding and best value to the City. The contract requires that all work (base bid and add alts) be completed by May 30th, 2016.

Review of Project Documents: Paul Kendall, PND

- 1) Important Project Dates
 - a. Bidder Questions Due – Wednesday, December 9th 2015, 2:00pm
 - b. Bid Due Date – Tuesday, December 15th 2015, 2:00pm
 - i. Bids are to be submitted to the City Hall in Unalaska. Teleconference will be available using the same number and code used for the pre-bid meeting.
 - c. Approval to Award from Council – December 22nd, 2015.
 - d. Notice of Award – December 23rd, 2015
 - e. Notice to Proceed – Tentatively January 7th, 2016

- f. Substantial Completion – May 15th, 2016 for Base Bid & Additive Alternates
 - i. Applies to all additive alternates
 - 1. Due to grant conditions, exceptions will not be accommodated for weather related delays.
 - g. Final Completion – May 30th, 2016
- 2) Review of Project Documents Issued to Date
- a. As the contract documents state “This project is funded, partly or wholly, by the Fish and Wildlife Service (USFWS), U.S. Department of Interior and the State of Alaska’s Department of Commerce, Community, and Economic Development under the Coastal Impact Assistance Program grant (CIAP) (10-CIAP-023) awarded to the City of Unalaska under “Unalaska Lake Restoration Phase I Stormwater Management Plan”
 - i. Grant Requirements:
 - 1. A new set of supplemental conditions was released with amendment #1. The following submittals are required by the granting agency:
 - a. Performance Bond for the full amount of the contract.
 - b. Payment Bond for the full amount of the contract.
 - c. Necessary Power of Attorney forms.
 - d. Certificates of Insurance as required by the Supplemental Conditions with limits, endorsements, and provisions as set forth therein.
 - e. Copies of City of Unalaska Business License.
 - f. Copies of State of Alaska Business License.
 - g. Copies of State of Alaska Contractors License.
 - h. Return of three (3) signed copies of the Agreement.
 - i. List of persons or entities acting as Subcontractors and dollar amounts of subcontracts.
 - j. Contractor and all subcontractors System for Award Management Registration.
 - k. Contractor and all subcontractors Drug Free Workplace Policy Statement provided to employees.
 - l. Contractor and all subcontractors Whistleblower Act Statement provided to employees.
 - m. SAMs Registration documentation for Contractor and all subcontractors.
 - n. Transparency Act Information for Contractor and each subcontractor that meets the \$25,000 threshold. Including contact information, DUNS number, and executive compensation data if applicable.
 - o. Subcontractor Byrd Anti-Lobby Certificates for subcontracts over \$100,000.
 - 2. Additionally, all product submittals shall include the RCRA 6002 vendor certification form and a vendor certification statement for Buy American Requirements.

- b. Description of each project
 - i. Base Bid – Steward Road Pond
 - 1. This task involves the re-routing of the nearby storm drain system and installation of an earthen berm to create a pond area. Construction requires the installation of approximately 320LF of CPEP storm drain pipe, several storm structures and placement of fill to create the earthen berm. Please note the picnic table structure has been removed from the original design in addendum #1. E-1 is required for surfacing over trenches. The quality spec (notable degradation and sulfate soundness) will be relaxed such that material both sources on island will be acceptable.
 - ii. Add. Alt #1 – Armstrong Court Drainage Improvements
 - 1. This additive alternate, near the corner of Armstrong Court and Broadway Avenue includes the installation of approximately 160LF of double-sided W-beam guardrail, boulders, regrading of the site to include a seeded V-ditch, culvert and coir logs.
 - iii. Add. Alt #2 – Overland Drive Diversion Culvert
 - 1. This additive alternate along Overland Drive involves the installation of a 48"Ø SDMH and a new ~45LF 18" CPEP culvert. Riprap protection is required at both the inlet and outlet. The easement for this culvert and its outlet protection is currently in review.
 - iv. Add. Alt #3 – Overland Drive Storm Drain System
 - 1. This additive alternate includes the installation of a storm drain system along Overland Drive from the intersection of Broadway Avenue to the termination point uphill to the east. The system is roughly 500LF of 18" CPEP storm drain pipe with (4) 48" SDMHs. This additive alternative also includes an earthen detention pond at the new storm drain inlet and associated riprap erosion protection in the pond and associated ditch. A new driveway is also included in this additive alternative.
 - v. Add. Alt #4 – Overland Drive Basin Improvements
 - 1. This additive alternate involves reconstructing the existing basin at the intersection of Overland Drive and E. Broadway Avenue. The current basin has eroded due to high flows, bypassing the existing gabion check dams. The area will be regraded into a v-ditch and protected by approximately 65 cubic yards of larger riprap.
 - vi. Add. Alt #5 – Overland Drive Outlet Swale Improvements
 - 1. This additive alternate includes the installation of six checks dams in the existing outlet swale for the storm drain system. The check

dams, constructed of coir logs and 3" minus rock, are designed to provide additional sediment settlement in the outlet swale.

vii. Add. Alt #6 – Lower Iliuliuk River Improvements

1. This additive alternate, which is not grant funded, involves the installation of 1500LF coir logs and hydroseeding on the north bank. It also includes installation of riprap and beach wildrye grass sprigs as erosion protection in select locations along the northern river bank from Alyeska Seafoods to near the Russian Orthodox Cathedral.

c. Wage Rates

- i. All works shall be paid prevailing wage rates as described in the State of Alaska LABORERS' AND MECHANICS' MINIMUM RATES OF PAY, Title 36, Public Contracts, AS 36.05 & AS 35.10 Wage and Hour Administration Pamphlet No. 600 – Latest Revision" with "The higher of the current minimum prevailing wage rates as published 10 days prior to the bid date by the Alaska Department of Labor or the Davis Bacon Determinations must be paid. The wages published on that date will prevail throughout the entire project regardless of the duration. Apprentice hiring requirements shall be as required by the Davis Bacon Determinations"

3) Existing Site conditions

- i. Contractor is required to visit the project site and give due consideration to local traffic, housing logistics, and travel logistics.
- ii. Also note that Unalaska experiences frequent and dramatic changes in weather conditions which may affect construction schedules. Contractors are advised to consider ample weather days in their project scheduling.

a. Bedrock Conditions

- i. Test pits were excavated along the proposed storm drain alignment along Overland Drive. A geotechnical memorandum outlining the results was included in Addendum #1.
- ii. As you can see bedrock was encountered in two test pits at depths of 3.5' bgs and 6' bgs. Bedrock was not encountered in the other test pits. Contractors should be prepared for bedrock excavation if necessary.

b. Easements

- i. The City is currently in the process of creating new drainage easements for the Overland culvert, storm drain system and basin improvements. They will be in place prior to NTP.

4) Permits

- i. A nationwide permit application has been submitted to the USACE for filling wetlands at the Steward Road Pond improvements. The permit is expected prior to NTP.
- ii. Approval to construct applications have been submitted to ADEC for the storm sewer systems at Overland and Steward Road. Approvals should be in hand by NTP.

5) Registration on Plan Holders List

- i. Please register on the Plan Holders list to ensure you receive all notifications and addenda.
- 6) Construction Administration and Inspection
 - i. The City intends to do on-site inspection during construction using Regan Engineering. PND will review RFIs, submittals, change orders, etc.
- 7) Future Addenda anticipated Thursday, December 10th 2015
 - a. Answers to Bidder Questions
 - b. Update Grant required submittals as discussed above.

Questions from Bidders (see attached)

BID PROPOSAL
City of Unalaska
LAKE & RIVER RESTORATION PROJECTS

Base Bid –LAKE & RIVER RESTORATION PROJECTS

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
1	STEWARD ROAD DRAINAGE IMPROVEMENTS	LUMP SUM	1		

TOTAL BASE BID (NUMERICAL) _____

TOTAL BASE BID (WRITTEN TEXT) _____

Additive Alternate #1 – OVERLAND DRIVE STORM DRAIN SYSTEM

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA1	OVERLAND DRIVE STORM DRAIN SYSTEM	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #1 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #1 (WRITTEN TEXT) _____

Additive Alternate #2 – OVERLAND DRIVE BASIN IMPROVEMENTS

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA2	OVERLAND DRIVE BASIN IMPROVEMENTS	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #2 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #2 (WRITTEN TEXT) _____

Additive Alternate #3 – OVERLAND DRIVE OUTLET SWALE IMPROVEMENTS

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA3	OVERLAND DRIVE OUTLET SWALE IMPROVEMENTS	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #3 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #3 (WRITTEN TEXT) _____

Additive Alternate #4 – ARMSTRONG COURT DRAINAGE IMPROVEMENTS

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA4	ARMSTRONG COURT DRAINAGE IMPROVEMENTS	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #4 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #4 (WRITTEN TEXT) _____

Additive Alternate #5 – OVERLAND DRIVE DIVERSION CULVERT

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA5	OVERLAND DRIVE DIVERSION CULVERT	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #5 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #5 (WRITTEN TEXT) _____

Additive Alternate #6 – LOWER ILIULIUK RIVER IMPROVEMENTS (not grant funded)

TASK NO.	NAME OF ITEM	UNIT	QUANTITY	UNIT COST	AMOUNT
AA6	LOWER ILIULIUK RIVER IMPROVEMENTS	LUMP SUM	1		

TOTAL ADDITIVE ALTERNATE #6 (NUMERICAL) _____

TOTAL ADDITIVE ALTERNATE #6 (WRITTEN TEXT) _____

Bidding Company:_____

Name (Printed):_____

Signature:_____Date:_____

Contractors License No._____ Business License No._____

GENERAL NOTES

OWNER: CITY OF UNALASKA

1. SCOPE OF WORK

THIS PROJECT WILL CONSIST OF ALL WORK, MATERIALS, AND LABOR REQUIRED TO CONSTRUCT STORMWATER IMPROVEMENTS THROUGHOUT THE UNALASKA LAKE DRAINAGE AND THE LOWER ILIULIUK RIVER AS SHOWN ON THESE PLANS. MAJOR ELEMENTS INCLUDE DRAINAGE DITCHES, DETENTION PONDS, STORM DRAIN SYSTEM, AND EROSION PROTECTION. SITE PREPARATION WILL INCLUDE REMOVAL AND DISPOSAL OF THE EXISTING DRAINAGE STRUCTURES.

ALL WORK SHALL BE COMPLETED BY MAY 30TH, 2016. ~~APRIL 30TH, 2016.~~

2. APPLICABLE CODES AND SPECIFICATIONS

THE INFORMATION CONTAINED IN THESE GENERAL NOTES IS IN ADDITION TO THE DETAILS AND NOTES PROVIDED ON THE INDIVIDUAL PLAN SHEETS. IN CASE OF CONFLICT BETWEEN NOTATION IN THESE GENERAL NOTES AND NOTES AND DETAILS ON INDIVIDUAL SHEETS, THE FOLLOWING PRIORITY SHALL BE FOLLOWED:

- 1. ALL PROJECT PERMIT REQUIREMENTS
- 2. NOTES ON INDIVIDUAL PLAN SHEETS
- 3. DETAILS AND CALLOUTS ON INDIVIDUAL PLAN SHEETS
- 4. THESE GENERAL NOTES
- 5. LOCAL CODES
- 6. STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES CONSTRUCTION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

3. SURVEY INFORMATION

SEE SURVEY CONTROL TABLES SHEET 3.

4. ADOPTED STANDARDS AND SPECIFICATIONS

ANY MATERIAL OR PERFORMANCE CRITERIA NOT SPECIFIED ON THE DRAWINGS OR IN THESE NOTES SHALL CONFORM TO THE 2015 EDITION OF THE STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CONSTRUCTION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

5. MATERIALS AND EXCAVATION

ALL PROCUREMENT REQUIREMENTS FOR EQUIPMENT OR PRODUCTS MUST COMPLY WITH BUY-AMERICAN REQUIREMENTS IN 43 CFR PART 12, SUBPART E, BUY AMERICAN REQUIREMENTS FOR ASSISTANCE PROGRAMS.

CONTRACTOR SHALL PROVIDE CUSTOMERS 5 DAYS NOTICE PRIOR TO ANY DISRUPTIONS IN UTILITY SERVICES FOR EXCAVATION OR CONSTRUCTION.

A – SITE DEMOLITION & PREPARATION

REMOVE, DISPOSE, AND/OR RELOCATION OF ALL ITEMS IDENTIFIED TO BE REMOVED. REFUSE MATERIALS MUST BE REMOVED AND APPROPRIATELY DISPOSED OF. AGGREGATE MATERIAL TO BE DISPOSED OF SHALL BE STOCKPILED AT THE LANDFILL. ANY SALVAGED FRAME AND GRATES SHALL BE OFFERED TO THE CITY FOR CITY USE.

CLEAR AND GRUB VEGETATION WITHIN PROJECT FOOTPRINT. ORGANIC MATERIALS ~~(SHALL) CAN~~ BE EITHER REMOVED ENTIRELY OR SORTED THROUGH TO FIND RECYCLABLE MATERIALS SUITABLE FOR TOPSOIL. ALL DEBRIS AND REFUSE SHALL BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

B – EXCAVATION AND EMBANKMENT

WORK SHALL INCLUDE ALL EXCAVATION AND EMBANKMENT NECESSARY TO ACHIEVE GRADES SHOWN ON PLANS. NO ADDITIONAL PAYMENT SHALL BE MADE BASED ON MATERIAL ENCOUNTERED IN EXCAVATIONS. EXCAVATIONS MAY INCLUDE BEDROCK, BEDDING, COBBLES, GRADING SANDS, SILT, ORGANICS, ETC. EXCAVATED MATERIALS MAY NOT MEET SPECIFICATIONS FOR INCORPORATION INTO THE PROJECT.

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.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT THIRD PARTY TESTING OF EMBANKMENT GRADATION AND DENSITY. AS A MINIMUM, TESTING SHALL INCLUDE THE FOLLOWING: ALL QUALITY TESTS INDICATED FOR EACH AGGREGATE INCORPORATED IN THE PROJECT, ONE GRADATION PER 10,000 CY OF SELECTED MATERIAL, ONE GRADATION PER 1,000 TONS OF CRUSHED AGGREGATE SURFACE COURSE, ONE DENSITY TEST PER 10,000 SQUARE FEET OF SURFACING. ALL SAMPLE COLLECTION AND FIELD TESTING SHALL BE COORDINATED WITH AND OBSERVED BY THE OWNERS REPRESENTATIVE. ALL TEST RESULTS FOR AGGREGATE PREPARED FOR THIS PROJECT

SHALL BE PROVIDED WITHIN 14 DAYS OF SAMPLING.

ALL SELECTED MATERIAL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 8 INCHES LOOSE THICKNESS TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T180.

SELECTED MATERIAL TYPE A – AGGREGATE CONTAINING NO MUCK, FROZEN MATERIAL, ROOTS, SOD OR OTHER DELETERIOUS MATTER AND WITH A PLASTICITY INDEX NOT GREATER THAN 6 AS TESTED BY WAQTC FOPS FOR AASHTO T 89 AND T 90. MEET THE FOLLOWING GRADATION AS TESTED BY WAQTC FOP FOR AASHTO T 27/T 11:

SIEVE PERCENT PASSING BY WEIGHT		
8"	100%	
NO. 4	20-55%	
NO. 200	0-6%,	DETERMINED ON THE MINUS 3-INCH PORTION OF THE SAMPLE

C – GRAVEL SURFACING AND LEVELING COURSE

ALL GRAVEL SURFACING SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 8 INCHES LOOSE THICKNESS TO NOT LESS THAN 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T180.

GRAVEL SURFACING AND LEVELING COURSE SHALL MEET THE FOLLOWING GRADATION:

CRUSHED AGGREGATE SURFACE COURSE, E-1 – CRUSHED STONE OR CRUSHED GRAVEL, CONSISTING OF SOUND, TOUGH, DURABLE PEBBLES OR ROCK FRAGMENTS OF UNIFORM QUALITY. FREE FROM CLAY BALLS, VEGETABLE MATTER, OR OTHER DELETERIOUS MATTERS. MEET THE FOLLOWING REQUIREMENTS:

PROPERTY	VALUE	TEST
L.A. WEAR, %	50- MAX	AASHTO T96
DEGRADATION VALUE	50, MIN	ATM 313
FRACTURE %	70, MIN	WAQTC FOP FOR AASHTO TP61
LIQUID LIMIT	35, MAX	WAQTC FOP FOR AASHTO T89
PLASTIC INDEX	10, MAX	WAQTC FOP FOR AASHTO T90
SODIUM SULFATE LOSS, % (5 CYCLES)	12, MAX	AASHTO T104

MEET THE FOLLOWING GRADATION AS TESTED BY WAQTC FOP FOR AASHTO T 27/T 11:

SIEVE	PERCENT PASSING BY WEIGHT
1 IN	100%
3/4 IN	70-100%
3/8 IN	50-85%
NO. 4	35-65%
NO. 8	20-50%
NO. 50	15-30%
NO. 200	4-15%

D – BEDDING AND BACKFILL

BEDDING AND BACKFILL SHALL BE INCIDENTAL TO ASSOCIATED STRUCTURE OR PIPE. BEDDING AND BACKFILL SHALL BE SELECTED MATERIAL, TYPE A PASSING THE 3 INCH MINUS SIEVE. SUBEXCAVATE TO THE ELEVATIONS AND DEPTHS SHOWN ON PLANS PRIOR TO PLACING BEDDING. THE BEDDING AND BACKFILL SHALL BE PLACED IN UNIFORM LAYERS NOT MORE THAN 12 INCHES DEEP AND COMPACTED TO 95% MAXIMUM DENSITY AT DETERMINED BY AASHTO T180.

E – RIPRAP

MANIPULATE THE ROCK SUFFICIENTLY USING A BACKHOE, ROCK TONGS, OR OTHER SUITABLE EQUIPMENT TO SECURE A REASONABLY REGULAR SURFACE AND STABILITY.

RIPRAP SHALL MEET THE FOLLOWING REQUIREMENTS: EVENLY GRADED STONES THAT ARE HARD, ANGULAR, AND HAVE NO MORE THAN 50% WEAR AT 500 REVOLUTIONS AS DETERMINED BY AASHTO T 96. USE STONES WITH BREADTH AND THICKNESS AT LEAST ¼ OF ITS LENGTH. DO NOT USE ROUNDED BOULDERS OR COBBLES ON SLOPES STEEPER THAN 2:1.

CLASS I	0-50% WEIGHING UP TO 25 POUNDS
	0-10% WEIGHING MORE THAN 50 POUNDS
CLASS II	50-100% WEIGHING 200 POUNDS OR MORE
	0-15% WEIGHING UP TO 25 POUNDS
	0-10% WEIGHING MORE THAN 400 POUNDS

PLACE STONES TO THE THICKNESS, HEIGHT, AND LENGTH SHOWN ON THE PLANS, OR AS STAKED, IN A WELL GRADED MASS WITH A MINIMUM OF VOIDS. FILL IN UNACCEPTABLE VOIDS WITH SMALLER STONES. PLACE RIPRAP TO ITS FULL COURSE THICKNESS IN ONE OPERATION. AVOID DISPLACING THE UNDERLYING MATERIAL. DO NOT PLACE RIPRAP IN LAYERS OR USE METHODS LIKELY TO CAUSE SEGREGATION.

F – TRENCHING

TRENCHING SHALL BE PERFORMED AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW STORM DRAIN PIPE FOLLOWING OSHA GUIDELINES.

G – TOPSOIL & SEEDING

WORK SHALL INCLUDE TOPSOIL, SEED, MULCH, FERTILIZER, AND WATERING AS NECESSARY TO ESTABLISH A PERMANENT VEGETATIVE MAT. SEEDING SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.

HYDROSEEDING – FURNISH TOPSOIL THAT IS REPRESENTATIVE OF THE EXISTING NATURAL ORGANIC BLANKET OF THE PROJECT AREA. SOIL WITH A MINIMUM OF 5% ORGANIC CONTENT, AS DETERMINED BY ATM 203, MAY BE USED AS TOPSOIL. REMOVE ROOTS, STUMPS, UNNATURAL MATERIAL, AND ROCKS GREATER THAN 3 INCH IN DIAMETER.

SEED MIX SHALL BE 40% BOREAL RED FESCUE, 40% NORTRAN TUFTED HAIRGRASS, AND 20% GLAUCCOUS TUNDRA BLUE. CONTRACTOR MAY SUBMIT ALTERNATE SEED MIXES THAT ADHERE TO THE RECOMMENDATIONS FROM "REVEGETATION MANUAL FOR ALASKA" PUBLISHED BY THE DEPARTMENT OF NATURAL RESOURCES. SEED SHALL BE APPLIED AT 1.0 LBS PER 1,000 SQUARE FEET. FERTILIZER WITH AN N-P-K OF 20-20-10 SHALL BE APPLIED AT A RATE OF 12.0 LBS PER 1,000 SQUARE FEET.

APPLY SEED WITH A BONDED FIBER MATRIX MULCH SUCH AS "FLEX TERRA" OR APPROVED EQUAL. MULCH SHALL BE APPLIED A RATE OF 70.0 LBS PER 1,000 SQUARE FEET.

PRIOR TO SEEDING, TOPSOIL SHALL BE TRACK WALKED, OR OTHERWISE PREPARED, TO PROVIDE GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE.

SEEDING SHALL BE DONE THROUGH HYDRO SEEDING USING A COMMERCIAL-TYPE HYDRO-SEEDER THAT HAS A BUILT-IN AGITATION SYSTEM WITH CAPACITY SUFFICIENT TO AGITATE, SUSPEND, AND HOMOGENEOUSLY MIX SLURRY. ALL HYDRO-SEED APPLICATIONS TO BE APPLIED IN A SWEEPING MOTION.

CONDUCT ALL SLURRY PREPARATIONS AT THE JOB SITE: WATER, MULCH, FERTILIZER, BINDER AND OTHER INGREDIENTS SHALL BE ADDED TO THE TANK SIMULTANEOUSLY; SEED SHALL BE ADDED LAST AND SHALL BE DISCHARGED WITHIN 2 HOURS. LOADS HELD OVER 2 HOURS SHALL BE RECHARGED WITH ½ THE SEED RATE BEFORE APPLICATION. ONCE FULLY LOADED THE COMPLETE SLURRY SHALL BE AGITATED FOR 3-5 MINUTES TO ALLOW FOR UNIFORM MIXING.

THE ENGINEER WILL PERFORM A VISUAL INSPECTION OF SEEDING TO DETERMINE FINAL STABILIZATION. THE ENGINEER WILL ACCEPT SEEDING THAT HAS BECOME A VEGETATIVE MAT WITH 70% COVER DENSITY IN THE INSPECTION AREA. RESEED AREAS THAT ARE NOT ACCEPTABLE TO THE ENGINEER.

ESTABLISHMENT PERIODS EXTEND FOR ONE COMPLETE GROWING SEASON FOLLOWING ACCEPTABLE SEEDING. EMPLOY ALL POSSIBLE MEANS TO PRESERVE THE NEW VEGETATIVE MAT IN A HEALTHY AND VIGOROUS CONDITION TO ENSURE SUCCESSFUL ESTABLISHMENT. RESEED AREAS THAT DO NOT MEET THE SPECIFICATIONS. WATERING AND RESEEDING AFTER THE FINAL INSPECTION ARE SUBSIDIARY.

THE ENGINEER MAY, BUT IS NOT REQUIRED TO, DETERMINE THE PROJECT IS COMPLETE EXCEPT FOR THE PERIOD OF ESTABLISHMENT, AND ISSUE A LETTER OF FINAL ACCEPTANCE. AFTER FINAL ACCEPTANCE, WORK OR MATERIALS DUE UNDER THIS SUBSECTION DURING ANY REMAINING PERIOD OF ESTABLISHMENT ARE CONSIDERED WARRANTY OBLIGATIONS THAT CONTINUE TO BE DUE FOLLOWING FINAL ACCEPTANCE IN ACCORDANCE WITH THE GENERAL CONDITIONS.

H – BEACH WILDRYE SPRIG PLANTING

SITE PREPARATION AND PLANTING OF SPRIGS SHALL BE DONE IN ACCORDANCE WITH PROCEDURES DESCRIBED IN ~~BEACH WILDRYE PLANTING GUIDE FOR ALASKA BY STONEY WRIGHT, PUBLISHED 1994 AND 2010.~~ SPRIGS WILL BE HARVESTED FROM NEARBY BEACH WILDRYE PLANTS WITHIN THE PROJECT LIMITS. LOCATIONS WILL BE IDENTIFIED IN THE FIELD. ENSURE THAT BEACH WILDRYE PLANTS FOR SPRIG DIVISION ARE HARVESTED SPORADICALLY FROM WELL-ESTABLISHED AREAS AS TO NOT CREATE A BARE AREA EXCEEDING 2’ X 2’. ALL HARVESTING AND PLANTING MUST BE COMPLETED USING HAND TOOLS.

I – COIR LOGS

CHECK DAMS SHALL BE CONSTRUCTED WITH 16" DIAMETER HIGH DENSITY (9LBS/CU.FT MIN.) BIODEGRADABLE COIR LOGS SUCH AS GEI WORKS OR ENGINEER APPROVED EQUAL. COIR LOGS SHALL BE PLACED AND STAKED AS SHOWN IN THE PLANS. COIR LOGS FOR OTHER PURPOSES SHALL BE 8" DIAMETER BIODEGRADABLE COIR LOGS WITH DENSITY (7LBS/CU.FT MIN.).

J – EROSION CONTROL FABRIC

FABRIC SHALL BE CONSISTENT THICKNESS WITH THE COCONUT EVENLY DISTRIBUTED OVER THE ENTIRE AREA OF THE FABRIC BLANKET. THE BLANKET SHALL BE COVERED ON THE TOP AND BOTTOM WITH HEAVYWEIGHT POLYPROPYLENE NETTING HAVING ULTRAVIOLET ADDITIVES TO DELAY BREAKDOWN AND APPROXIMATE 0.625 x 0.625 INCH OR SMALLER MESH. THE BLANKET SHALL BE SEWN TOGETHER ON 1.50 INCH CENTERS WITH UV STABLE THREAD. FABRIC SHALL HAVE A MINIMUM LONGEVITY OF 3 YEARS SUCH AS

NORTH AMERICAN GREEN ROLLMAX C125 OR ENGINEER APPROVED EQUAL.

STAPLE EROSION CONTROL BLANKETS AT JOINTS, EDGES, AND FIELD AS RECOMMENDED BY THE MANUFACTURER. ANCHOR THE BOTTOM OF THE FABRIC BY EXCAVATING THE TOE OF SLOPE, ANCHOR TRENCH 12 IN WIDE X 12 IN DEEP MINIMUM AT LEAST 5 FEET FROM TOE OF SLOPE, OR AS RECOMMENDED BY MANUFACTURER. MAINTAIN THE EROSION CONTROL BLANKETS UNTIL ALL WORK ON THE PROJECT IS COMPLETE AND ACCEPTED.

K – STORM DRAIN PIPE

STORM DRAIN PIPE SHALL BE CORRUGATED POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALLS MEETING AASHTO M252 TYPE S. STORM DRAIN PIPE TO BE INSTALLED AS SHOWN IN PLANS. FINAL INVERT LOCATIONS, ELEVATIONS, AND CULVERT LENGTH SHALL BE FIELD VERIFIED. ALL FITTINGS SHALL BE WATER TIGHT.

STORM DRAIN PIPE SHALL CONTAIN A MINIMUM OF 40% POST-CONSUMER RECYCLED MATERIAL.

L – CATCH BASIN/MANHOLES

CATCH BASINS/MANHOLES SHALL BE PRECAST CONCRETE AS SPECIFIED IN THE PLANS. INSTALL PRECAST CONCRETE CATCH BASINS AND MANHOLES CONSISTING OF A BASE, RISERS, FLAT TOP; WITH LADDER RUNGS, PIPE BOOTS, FRAME AND COVER AS SHOWN ON THE PLANS. FLEXIBLE WATERTIGHT GASKET SHALL BE USED BETWEEN CONCRETE SECTIONS.

CATCH BASINS & MANHOLES SHALL BE INSTALLED AT THE LOCATION AS SHOWN IN THE PLANS. FINAL GRATE AND INVERT ELEVATIONS FOR CATCH BASINS SHALL BE FIELD VERIFIED TO MAINTAIN ADEQUATE DRAINAGE AND MINIMUM 0.5% SLOPE FOR NEW STORM DRAIN PIPE.

ALL INVERT ELEVATIONS OF THE EXISTING DRAINAGE STRUCTURES ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION OR FABRICATION OF CATCH BASIN MANHOLES.

M – CULVERTS

ALL CULVERTS SHALL BE SCHEDULE 40 STEEL PIPE AS ONE PIECE. WELD PIECES IF REQUIRED. CULVERT PIPE TO BE INSTALLED AS SHOWN IN PLANS. FINAL INVERT LOCATIONS, ELEVATIONS, AND CULVERT LENGTH SHALL BE FIELD VERIFIED.

CULVERT DELINEATORS SHALL CONSIST OF RED CARSONITE ROAD MARKERS (CRM 375), OR APPROVED EQUAL. DELINEATORS SHALL BE INSTALLED IN ROAD EMBANKMENT ABOVE CULVERT.

N – DOUBLE SIDED GUARDRAIL

ALL GUARDRAIL, POSTS, BLOCKS, FASTENERS SHALL CONFORM WITH SECTION 710 OF THE STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES (ADOT&PF) STANDARD SPECIFICATIONS. INSTALL GUARDRAIL AND TERMINALS AT THE LOCATIONS SHOWN ON THE PLANS. GUARDRAIL CONSTRUCTION SHALL CONFORM WITH SECTIONS 606 3.03, 3.04, AND 3.05 OF ADOT&PF STANDARD SPECIFICATIONS. GUARDRAIL POSTS SHALL BE WOOD POST LENGTH AS INDICATED IN THE PLANS. REFERENCE G-10.01 BEAM GUARDRAIL POST INSTALLATION (CASE 3). THE MAXIMUM SPACING OF GUARDRAIL POSTS SHALL BE 6’-3”.

O – GEOTEXTILES

SEPARATION GEOTEXTILES SHALL BE WOVEN AND MEET AASHTO M 288 FOR SEPARATION CLASS I, EXCEPT PROVIDE A MINIMUM PERMITTIVITY OF 0.05/SEC.

SURFACE PREPARATION – PREPARE SURFACE BY REMOVAL OF STUMPS, BRUSH, BOULDERS, AND SHARP OBJECTS. FILL HOLES AND LARGE RUTS WITH MATERIAL SHOWN ON THE PLANS OR AS APPROVED.

PLACEMENT – PLACE GEOTEXTILE FABRIC AS PER MANUFACTURERS INSTRUCTIONS, AVOIDING ANY TEARS OR PUNCTURES.

JOINING – JOIN GEOTEXTILE FOR SEPARATION BY OVERLAPPING. OVERLAPPED SECTIONS MUST OVERLAP A MINIMUM OF 3 FEET. OVERLAP SUCCESSIVE GEOTEXTILE SHEETS IN THE DIRECTION OF FLOW SO THAT THE UPSTREAM SHEET IS PLACED OVER THE DOWNSTREAM SHEET AND/OR UPSLOPE OVER THE DOWNSLOPE.

O – PICNIC TABLES
SHALL BE COMMERCIAL GRADE WHITE PINTED SOUTHERN PINE TOPS AND SEATS, 2-3/8" O.D. HDG STEEL FRAMES AND HDG HARDWARE. SECURE WITH 3/8" HDG CHAIN & DEADMAN ANCHOR.

ADDENDUM #2
DECEMBER 11, 2015

PND Engineers, Inc. (PND) is not responsible for safety programs, methods or procedures of operation, or the construction of the design shown on these drawings. Where specifications are general or not called out, the specifications shall conform to standards of industry. Drawings are for use on this project only and are not intended for reuse without written approval from PND. Drawings are also not to be used in any manner that would constitute a detriment directly or indirectly to PND.

1	12/11/15	ADDENDUM #2
0	11/13/15	ISSUED FOR BID
REV	DATE	DESCRIPTION

DATE: _____

1506 West 36th Avenue

Anchorage, Alaska 99503

Phone: 907.561.1011

Fax: 907.563.4220

www.pndengineers.com



CITY OF UNALASKA
LAKE & RIVER RESTORATION PROJECTS

TITLE:
GENERAL NOTES (1 OF 2)

DESIGNED BY:	AEW	DATE:	11/13/15
CHECKED BY:	PK	PROJECT NO:	141100

SHEET NO:
4 OF 18

GENERAL NOTES

P – CONNECTION TO EXISTING MANHOLE
CONNECTION TO EXISTING MANHOLES SHALL BE INCIDENTAL TO STORM DRAIN. CONNECTIONS TO EXISTING MANHOLES OR CATCH BASINS SHALL BE MADE IN A WORKMANLIKE MANNER. THE INVERT SHALL BE BROUGHT INTO THE EXISTING MANHOLE AT THE ELEVATION SHOWN ON THE DRAWINGS. THE DOWNSTREAM PIPE IN MANHOLES SHALL BE SCREENED TO PREVENT ENTRY OF MORTAR OR OTHER DEBRIS FROM ENTERING THE SYSTEM. AFTER CONNECTION IS MADE TO A STORM DRAIN MANHOLE AND THE MORTAR HOLDING THE PIPE IN PLACE HAS SET, CUT THE PIPE OFF EVENLY SO THAT NO MORE THAN TWO INCHES (2”) OF PIPE PROTRUDES INTO THE MANHOLE AND ANY SCREENING SHALL BE REMOVED. FINAL INVERT ELEVATION SHALL BE FIELD VERIFIED PRIOR TO INSTALLING THE CONNECTION.

Q – TRAFFIC CONTROL
CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO THE OWNER FOR APPROVAL. PLAN SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE CONTRACT DOCUMENTS. ~~CONTRACTOR SHALL NOT CLOSE ROADS NOR CAUSE DELAYS EXCEEDING 10 MINUTES WITHOUT PROVIDING ADEQUATE DETOURS.~~

R – EROSION CONTROL
CONTRACTOR TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING STORMWATER RUNOFF FROM THE CONSTRUCTION. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE ALASKA GENERAL CONSTRUCTION PERMIT CONDITIONS.

~~S – AK CESCL TRAINING
CONTRACTOR TO PROVIDE AND ORGANIZE (2) SEPARATE, NON-OVERLAPPING AK-CESCL TRAINING CLASSES FOR 25 PARTICIPANTS. EACH CLASS, IN UNALASKA, TO PROVIDE CERTIFICATION FOR CITY AND WORKERS AND INTERESTED PARTIES OF THE PUBLIC. CONTRACTOR SHALL PROVIDE INDOOR MEETING SPACE WITH ADEQUATE SEATING, REFRESHMENTS FOR ALL ATTENDEES, QUALIFIED INSTRUCTOR (APPROVED BY AK-CESCL) AND ASSOCIATED TRAVEL COSTS, INSTRUCTIONAL MATERIALS, ETC.
CONTRACTOR SHALL ADVERTISE CLASSES ON THE LOCAL RADIO & TV STATIONS, AS WELL AS PUBLIC BULLETIN BOARDS 14 DAYS IN ADVANCE.~~

T – PERMITS
THE OWNER HAS ACQUIRED THE FOLLOWING PERMITS FOR THIS PROJECT:

- 1. ADEC WATER – WASTEWATER APPROVAL TO CONSTRUCT
- 2. USACE NATIONWIDE PERMIT
- 3. ADF&G FISH HABITAT PERMIT

U – SUBMITTALS & DEADLINES
CONSTRUCTION MEETINGS WILL BE HELD WEEKLY WITH THE ENGINEER AND PROJECT TEAM.

CONTRACTOR TO PROVIDE OWNER 24 HOURS ADVANCE NOTICE PRIOR TO COMMENCEMENT OF WORK EVERY TIME THERE IS A BREAK IN WORK GREATER THAN 3 DAYS.

CONTRACTOR SHALL COMPLETELY AND ACCURATELY RECORD ALL DEVIATIONS, DELETIONS, ADDITIONS, AND ALTERATIONS TO CORRECTLY DEPICT EXISTING STRUCTURES AND/OR UTILITIES, AND ALL ITEMS AS ACTUALLY INSTALLED. THE AS-BUILT CONSTRUCTION SHALL BE MARKED WITH RED INK ON A CLEAN SET OF PLAN SHEETS DEDICATED SOLELY TO KEEPING OF THIS AS-BUILT INFORMATION. WHEN CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL CERTIFY THE ACCURACY OF THE AS-BUILTS IN WRITING AND DELIVER THE DOCUMENTS TO THE ENGINEER.

CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER FOR ANY MATERIAL, PRODUCT, OR ITEMS IDENTIFIED IN THE PLANS AND SPECS. SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING. BEFORE ANY WORK STARTS, OWNER HAS 10 WORKING DAYS FOR REVIEW.

CONTRACTOR SHALL PROVIDE A RCRA 6002 VENDOR CERTIFICATION WITH EACH PRODUCT SUBMITTAL. CONTRACTOR SHALL ALSO PROVIDE A VENDOR CERTIFICATION STATEMENT FOR BUY AMERICAN REQUIREMENTS WITH EACH PRODUCT SUBMITTAL.

- 1. EMBANKMENT GRADATIONS
- 2. AGGREGATE QUALITY TEST RESULTS
- 3. STORM DRAIN PIPE
- 4. MULCH AND SEEDING MIX
- 5. FERTILIZER
- 6. COIR LOGS
- 7. GUARDRAIL
- 8. RIPRAP
- 9. PICNIC TABLE PRODUCT DATA
- 10. AK-CESCL INSTRUCTOR QUALIFICATIONS
- 11. AK-CESCL TRAINING LOCATION
- 12. AK-CESCL ADVERTISEMENTS
- 13. CRITICAL PATH SCHEDULE

- 14. TRAFFIC CONTROL PLAN
- 15. RED-LINE AS-BUILT DRAWINGS
- 16. STORM STRUCTURE SHOP DRAWINGS
- 17. STORM DRAIN LAMP TEST RESULTS
- 18. GEOTEXTILE FABRIC
- 19. EROSION CONTROL FABRIC
- 20. CULVERT MATERIAL

- POST AWARD CONTRACTUAL SUBMITTALS:
- 1. PERFORMANCE BOND FOR THE FULL AMOUNT OF THE CONTRACT
 - 2. PAYMENT BOND FOR THE FULL AMOUNT OF THE CONTRACT
 - 3. NECESSARY POWER OF ATTORNEY FORMS
 - 4. CERTIFICATES OF INSURANCE AS REQUIRED BY THE SUPPLEMENTAL CONDITIONS WITH LIMITS, ENDORSEMENTS, AND PROVISIONS AS SET FORTH HEREIN.
 - 5. COPIES OF CITY OF UNALASKA BUSINESS LICENSE
 - 6. COPIES OF STATE OF ALASKA BUSINESS LICENSE
 - 7. COPIES OF ALASKA CONTRACTORS LICENSE
 - 8. RETURN OF THREE (3) SIGNED COPIES OF AGREEMENT
 - 9. LIST OF PERSONS OR ENTITIES ACTING AS SUBCONTRACTORS AND DOLLAR AMOUNTS OF SUBCONTRACTS
 - 10. CONTRACTOR AND ALL SUBCONTRACTORS SYSTEM FOR AWARD MANAGEMENT REGISTRATION
 - 11. CONTRACTOR AND ALL SUBCONTRACTORS DRUG FREE WORKPLACE POLICY STATEMENT PROVIDED TO EMPLOYEES
 - 12. CONTRACTOR AND ALL SUBCONTRACTORS WHISTLEBLOWER ACT STATEMENT PROVIDED TO EMPLOYEES
 - 13. SAMs REGISTRATION DOCUMENTATION FOR CONTRACTOR AND ALL SUBCONTRACTORS
 - 14. TRANSPARENCY ACT INFORMATION FOR CONTRACTOR AND EACH SUBCONTRACTOR THAT MEETS THE \$25,000 THRESHOLD. INCLUDING CONTACT INFORMATION, DUNS NUMBER, AND EXECUTIVE COMPENSATION DATA IF AVAILABLE
 - 15. SUBCONTRACTOR BYRD ANTI-LOBBY CERTIFICATES FOR SUBCONTRACTS OVER \$100,00
 - 16. PER THE COPELAND ACT THE CONTACTOR WILL BE REQUIRED TO SUBMIT WEEKLY COPELAND ACT STATEMENT OF COMPLIANCE WH-347 FORM.

6. MEASUREMENT AND PAYMENT
ALL WORK, MATERIALS, AND LABOR REQUIRED TO CONSTRUCT EACH OF THE PROJECT SITES LISTED BELOW SHALL BE PAID LUMP SUM PER PROJECT SITE.

- 1. ~~AK-CESCL TRAINING – BASE BID~~
- 2. STEWARD ROAD IMPROVEMENTS (SHEETS 7,8) BASE BID
- 3. OVERLAND DRIVE STORM DRAIN (SHEETS 11,12) ADDITIVE ALTERNATE 1
- 4. OVERLAND DRIVE BASIN IMPROVEMENTS (SHEET 13) ADDITIVE ALTERNATE 2
- 5. OVERLAND DRIVE OUTLET SWALE (SHEET 14) ADDITIVE ALTERNATE 3
- 6. ARMSTRONG CT DRAINAGE IMPROVEMENTS (SHEET 6) ADDITIVE ALTERNATE 4
- 7. OVERLAND DRIVE DIVERSION CULVERT (SHEET 10) ADDITIVE ALTERNATE 5
- 8. ~~LOWER ITULIUK RIVER RESTORATION – NOT COVERED UNDER GRANT FUNDING (SHEET 15, 16) ADDITIVE ALTERNATE 6~~

ADDENDUM #2
DECEMBER 11, 2015

PND Engineers, Inc. (PND) is not responsible for safety programs, methods or procedures of operation, or the construction of the design shown on these drawings. Where specifications are general or not called out, the specifications shall conform to standards of industry. Drawings are for use on this project only and are not intended for reuse without written approval from PND. Drawings are also not to be used in any manner that would constitute a detriment directly or indirectly to PND.

1	12/11/15	ADDENDUM #2
0	11/13/15	ISSUED FOR BID
REV	DATE	DESCRIPTION

DATE: _____

1506 West 36th Avenue
Anchorage, Alaska 99503

Phone: 907.561.1011

Fax: 907.563.4220

www.pndengineers.com



PROJECT:
**CITY OF UNALASKA
LAKE & RIVER RESTORATION PROJECTS**

TITLE:
GENERAL NOTES (2 OF 2)

DESIGNED BY:	AEW	DATE:	11/13/15	SHEET NO: 5
CHECKED BY:	PK	PROJECT NO:	141100	

OF 18