#### ADDENDUM NO. 2

#### TO THE BID DOCUMENTS

#### E. Bunnell Ave./Charles Way Water & Sewer Main Extension

#### **CITY OF HOMER, ALASKA**

| Addendum Is  | sue Date:   | December 15, 2022 |  |  |
|--------------|---|-------------------|--|--|
| Bid Submitta | l Date:   | January 10, 2023  |  |  |
| Previous Add | enda Issued:                                      | 1                 |  |  |
| Issued By:   | Janette Keiser<br>Public Works [<br>City of Homer | , PE<br>Director  |  |  |

#### 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):

1. Response to plan holder question:

**Question:** It looks like there is no content in the SWPPP Appendices C, F & K. I want to double check that this was intentional.

**Answer:** Appendices C, F & K are intentionally left blank at this time because the information needed for these appendices is not yet known. The SWPPP will be updated as more information becomes available. Appendix C is for a construction progress schedule that the Contractor will prepare before construction begins. Appendix F relates to conditions of coverage under the APDES Construction General Permit, which the City has not yet applied for. Appendix K is for inspection records, which will be written up by the City's construction inspector project construction progresses.

2. Addendum 1 references a change in the project schedule. This was in error. There is no change at this time to the project schedule as stated in the original bid documents.

3. Several appendices in the SWPPP mention other projects in the page headers, including the Alder Ln. Water Main Extension and the Meadows Subdivision Improvement. New SWPPP appendices are attached with corrected headers.

Appendix A – Site Maps & Drawings





# TITLE

E BUNNELL AVENUE WATER MAIN PLAN AND EROSION CONTROL PLAN NO. MAIN CONSTRUCTION DETAILS EROSION CONTROL DETAILS CONSTRUCTION NOTES EROSION CONTROL EROSION EROSION

# Notes:

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# E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY CHARLES WAY WATER MAIN PLAN + PROFILE STA 18+56.57 to 23+70.00



11/2/2022 JSB AS NOTED 2022019

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| CONSTRUCTION NOTES<br>DIRECTIONAL DRILLING SHALL BE UTILIZED TO INSTALL HDPE MAIN PIPE<br>WHEREVER OPEN TRENCH INSTALLATION IS NOT REQUIRED TO PLACE HARDWARE<br>FITTINGS AND ASSEMBLIES, VALVES, TEES, INSULATION BOARD, MANHOLES, AND<br>CASINGS. | <ol> <li>CONTRACTOR SHALL COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF<br/>HOMER STANDARD SPECIFICATIONS 2011 EDITION INCLUDING ITEMS. DRAWINGS,<br/>TECHNICAL SPECIFICATIONS, AND SPECIAL PROVISIONS TAKE PRECEDENCE OVER<br/>THE STANDARD SPECIFICATIONS.</li> <li>THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS CONTAINED IN LOCAL,<br/>STATE AND FEDERAL PERMITS OBTAINED BY THE CITY FOR CONSTRUCTION OF<br/>THIS PROJECT. COPIES OF THE PERMITS SHALL BE MAINTAINED AT THE JOB<br/>SITE.</li> </ol> | <ol> <li>UNDERGROUND ELECTRICAL AND TELECOMMUNICATIONS LINES OCCUR WITHIN THE<br/>PROJECT AREA. LOCATIONS DEPICTED FOR THE UTILITIES ARE APPROXIMATE. SOME<br/>UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND UTILITY COMPANY<br/>LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES PRIOR TO<br/>CONSTRUCTION.</li> </ol> | <ol> <li>CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE<br/>PROXIMITY TO EXISTING UNDERGROUND LINES SHALL COMPLY WITH THE<br/>APPLICABLE FEDERAL. STATE AND LOCAL STATUTES, CODES AND GUIDELINES, AND<br/>THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY.<br/>CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.</li> <li>THIS PROJECT IS REQUIRED TO BE CONSTRUCTED IN ACCORDANCE WITH THE<br/>APDES GENERAL CONSTRUCTION PERMIT FOR STORM WATER POLLUTION. THE<br/>CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OD THE PERMIT.</li> <li>CONTRACTOR SHALL CONSTRUCT FROSION CONTROL DEVICES AS SHOWN IN THF</li> </ol> | PLANS AND PROCEDURES AND REQUIREMENTS DOCUMENTED IN THE SWPPP<br>PERMIT.<br>8. IF CONTAMINATED SOIL, GROUNDWATER, OR FREE-PRODUCT ARE ENCOUNTERED,<br>THE CONSTRUCTION CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENCINEER<br>WHO WILL IMMEDIATELY CONTACT THE ADEC PREVENTION AND EMERGENCY<br>RESPONSE (PERP) OFFICE STAFF AT (907) 465–5340 / FAX (907) 465–2237<br>IN ACCORDANCE WITH SPILL REPORTING REQUIREMENTS UNDER 18 AAC 75.300,<br>AND COORDINATE MANAGEMENT OF ALL CONTAMINATED MEDIA WITH EMERGENCY<br>RESPONSE PERSONNEL. | <ol> <li>THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE PIPE<br/>MATERIAL IS CERTIFIED TO CONFORM TO ANSI/NSF STANDARD 61.</li> <li>DISINFECTION WATER SHALL NOT BE RELEASED OVERLAND OR TO ANY CREEKS,<br/>STREAMS, TEMPORARY OR PERMANENT DRAINAGE SWALES OR DITCHES.<br/>DISINFECTION WATER SHALL BE FLUSHED INTO THE CITY OF HOMER SANITARY<br/>SEWER SYSTEM THROUGH A SANITARY SEWER MANHOLE OR CLEANOUT LOCATED<br/>WITHIN 100 FEET OF THE DISINFECTION WATER DISCHARGE POINT.</li> </ol> | WITHIN 100 FEET OF THE DISINFECTION WATER DISCHARGE POINT, THE<br>DISINFECTION WATER SHALL BE RETAINED IN A TANK TRUCK OR OTHER<br>TRANSPORTABLE CONTAINER AND DISCHARGED INTO THE CITY OF HOMER<br>SANITARY SEWER SYSTEM AT A LOCATION TO BE DETERMINED BY THE ENGINEER.<br>11. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE<br>CHEMICAL ADDITIVE FOR DISINFECTION IS CFRTIFIED TO CONFORM TO ANSI/NSF | STANDARD 60.<br>12. DISCHARGES OF EFFLUENT FROM HYDROSTATIC TESTING AND DISINFECTION SHALL<br>CONFORM SECTIONS 4.0 CONTROL MEASURES, 5.1 LAND DISPOSAL DISCHARGES<br>OF HYDROSTATIC TESTING, AND 6.0 REPORTING AND RECORDKEEPING OF THE<br>ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM "GENERAL PERMIT FOR<br>HYDROSTATIC AND AQUIFER PUMP TESTING" PERMIT NUMBER AKG003000. | <ol> <li>13. FIBER ROLLS SHALL BE STRAW TYPE, 6-INCH NOMINAL DIAMETER, AND AT LEAST</li> <li>3.1 LB/CU.FT. DENSITY. INSTALL ROLLS AS SHOWN ON THE PLANS AND<br/>MANUFACTURER'S INSTRUCTIONS.</li> <li>14. DETAIL A - STRUCTURAL TRENCH SECTION SHALL BE USED FOR WATER MAIN<br/>AND WATER SERVICE BACKFILL WITHIN ALL GRAVEL SUBFACED AREAS. DETAIL B<br/>- NON-STRUCTURAL TRENCH SECTION SHALL BE USED FOR BACKFILL IN ALL<br/>AREAS CONSISTING OF NATURAL SILTY AND ORGANIC SURFACE SITE SOILS.</li> </ol> | <u>NOTES:</u><br>1. BEFORE PERFORMING ANY EXCAVATIONS,<br>CALL ALASKA DIGLINE AT 811,<br>(800) 478–3121, OR (907) 278–3121. |
| REVIATIONS<br>A alaska dept. of transportation & public facilities<br>air release valve<br>Alaska pollution discharge elimination system<br>delta / central angle of curve<br>begin project   | CENTERLINE<br>CORREGATED METAL PIPE<br>CONTRACTING OFFICER<br>CITY OF HOMER<br>CUBIC YARD<br>DIAMETER<br>DIAMETER   | EASTING<br>ELEVATION<br>ELEVATION<br>END PROJECT<br>EASEMENT<br>FXISTING  | EXISTING<br>FLANGE<br>FOOT<br>GATE VALVE<br>HIGH-DENSITY POLYETHYLENE<br>INCH<br>INVERT<br>LENGTH OF CURVE  | LEFT<br>MINIMUM<br>MAXIMUM<br>MECHANICAL JOINT<br>MILES PER HOUR<br>1000 SQUARE FEET<br>MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES<br>NORTHING  | OVERHEAD ELECTRIC<br>POINT OF CURVATURE<br>POINT OF CURVATURE<br>POINT OF REVERSE CURVATURE<br>POINT OF VERTICAL CURVATURE<br>POINT OF VERTICAL INTERSECTION<br>POINT OF VERTICAL INTERSECTION<br>POINT OF TANGENCY<br>POINT OF TANGENCY  | RIGHT<br>RIGHT-OF-WAY<br>SECTION<br>STREET INTERSECTION<br>SOUARF FOOT  | SEWER MANHOLE<br>SANITARY SEWER<br>STAINLESS STEEL<br>STATION<br>STANDARD<br>SQUARE YARD   | TRANSMISSION<br>UNDERGROUND ELECTRIC<br>UNDERGROUND TELEPHONE<br>UTILITY<br>TYPICAL<br>WATER MAIN OR SERVICE   |   |
| ABBR<br>Akdot&p<br>Arv<br>Apdes<br>Bp   | C/L<br>CMP<br>COH<br>COH<br>DIA<br>DIA  | E<br>EL<br>EPEV<br>ESMT<br>(F)  | HDPE<br>F L V<br>F V F V<br>F V F V<br>F V F V<br>F V F V F V<br>F V F V   | LT<br>MIN<br>MAX<br>MJH<br>MSF<br>MUTCD  | D D D D D D D D D D D D D D D D D D D   | ж<br>л S EC W   | SMH<br>S.S.<br>STA.<br>STD   | TRANS<br>UGE<br>UTIL<br>W  |   |

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| CITY OF HOMER STANDARD DRAWINGS INDI<br>2003 STANDARD LOCATION FOR NEW UTURES<br>2003 FIFCLU WITEN LOCATIONS<br>2003 FIFCLU WITEN LOCATIONS<br>2003 FIFCLU WITEN LOCATIONS<br>2003 FIFCLU WITEN LOCATIONS<br>2003 FIFCUL WITEN LOCATION<br>2003 FIFCUL WITEN LOCATION<br>2004 FIFCUL WITEN LOCATION<br>2004 FIFCUL WITEN LOCATION<br>2004 FIFCUL CARDEL LINE<br>2004 FIFCUL CARDEL RIVEL<br>2004 FIFCUL FIFCUL CARDEL RIVEL<br>2004 FIFCUL FIFCUL CARDEL RIVEL<br>2004 FIFCUL FIFCUL RIVEL RIVEL<br>2004 FIFCUL FIFCUL RIVEL RIVEL RIVEL RIVEL RIVEL RIVEL<br>2004 FIFCUL FIFCUL RIVEL R |
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## EROSION CONTROL DETAILS NOISNATXA NIAM AATAW E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY



11/2/2022 JSB AS NOTED 2022019  $\overline{}$ CHK'D: SCALE: PROJ. NO.: SHEET NO.:  $\geq$ 



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# FIBER ROLL SEDIMENT CONTROL NTS



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# NOTES:

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- OF HOMER "STANDARD CONSTRUCTION DETAILS" IN ADOPTION ON NOVEMBER 22, 2022.









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## SENITARY SEWER CONSTRUCTION NOTES NOISNETXE NIAM REWES YRATINAS E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY



11/22/2022 JSB AS NOTED 2022019  $\bigcirc$ SHEET NO.: NO. DATE: CHK'D: SCALE: PROJ. N

| ADDITIONS | CONSTRUCTION NOTES | <ol> <li>DIRECTIONAL DRILLING SHALL BE UTILIZED TO INSTALL HDPE MAIN PIPE<br/>WHEREVER OPEN TRENCH INSTALLATION IS NOT REQUIRED TO PLACE HARDWARE<br/>FITTINGS AND ASSEMBLIES, VALVES, TEES, INSULATION BOARD, MANHOLES, AND<br/>CASINGS.</li> </ol> | 2. MAINTAIN A MINIMUM OF TEN FEET HORIZONTAL AND EIGHTEEN INCHES VERTICAL<br>SEPARATION BETWEEN SEWER AND WATER MAINS AT ANY POINT. IF POSSIBLE,<br>THE SEWER MAIN WILL BE SITUATED BELOW THE WATER MAIN AT ALL CROSSINGS. | <ol><li>ALL PRIVATE WELLS WITHIN 100 FEET OF THE SANITARY SEWER MAIN SHALL BE<br/>DECOMMISSIONED PER ADEC REGULATIONS.</li></ol> | 4. ALL EXISTING SEPTIC TANKS AND BIOCYCLE UNITS FOR PARCELS CONNECTING TO<br>THE COH SEWER SYSTEM SHALL BE DECOMMISSIONED BY PUMPING THE TNAKS<br>OF WASTE CONTENTS AND REMOVING AND DISPOSING OF THOSE TNAKS AT AN<br>APPROVED ADEC SITE. BACKFILL THE PITS WITH CLASSIFIED FILL TYPE IV | <ol> <li>BUILDING SEWER EXTENSIONS FROM SERVICE STUBS TO EXISTING CLEANOUTS<br/>BUILDING SEWER EXTENSIONS FROM SERVICE STUBS TO EXISTING CLEANOUTS<br/>SHALL BE 2%. EXISTING CLEANOUTS SHALL BE RECONSTRUCTED WITH ALL<br/>NECESSARY SWEEPS WHERE THE BUILDING SEWER EXTENSION IS NOT IN<br/>ALIGNMENT WITH THE EXISTING CLEANOUT SWEEP DIRECTION.</li> </ol> | <ol> <li>CONTRACTOR SHALL COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF<br/>HOMER STANDARD SPECIFICATIONS 2011 EDITION INCLUDING ITEMS. DRAWINGS,<br/>TECHNICAL SPECIFICATIONS, AND SPECIAL PROVISIONS TAKE PRECEDENCE OVER<br/>THE STANDARD SPECIFICATIONS.</li> </ol> | 7. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS CONTAINED IN LOCAL,<br>STATE AND FEDERAL PERMITS OBTAINED BY THE CITY FOR CONSTRUCTION OF<br>THIS PROJECT. COPIES OF THE PERMITS SHALL BE MAINTAINED AT THE JOB<br>SITE. | <ol> <li>LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE<br/>APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS<br/>AND UTILITY COMPANY LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL<br/>UTILITIES PRIOR TO CONSTRUCTION.</li> </ol> | 9. UNDERGROUND ELECTRICAL AND TELECOMMUNICATIONS LINES OCCUR WITHIN THE<br>PROJECT AREA: CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK<br>IN CLOSE PROXIMITY TO EXISTING UNDERGROUND LINES SHALL COMPLY WITH THE<br>APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES AND GUIDELINES, AND<br>THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY.<br>CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE. | <ol> <li>THIS PROJECT IS REQUIRED TO BE CONSTRUCTED IN ACCORDANCE WITH THE<br/>APDES GENERAL CONSTRUCTION PERMIT FOR STORM WATER POLLUTION. THE<br/>CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE PERMIT.</li> <li>CONTRACTOR SHALL SEED ALL DISTURBED AREAS WHERE OTHER SURFACE IS NOT<br/>SPECIFIED.</li> </ol> | 12. IF CONTAMINATED SOIL, GROUNDWATER, OR FREE-PRODUCT ARE ENCOUNTERED,<br>THE CONSTRUCTION CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER<br>WHO WILL IMMEDIATELY CONTACT THE ADEC PREVENTION AND EMERGENCY<br>RESPONSE (PERP) OFFICE STAFF AT (907) 465–5340 / FAX (907) 465–2237<br>IN ACCORDANCF WITH SPIIL REPORTING REQUIREMENTS UNDER 18 AAC 75.300. | AND COORDINATE MANAGEMENT OF ALL CONTAMINATED MEDIA WITH EMERGENCY RESPONSE PERSONNEL.              | 6" MIN THICK X 2' X 2'<br>CONCRETE COLLAR<br>AROUND PIPE, TYP<br>(SOUTH CONNECTION)  | BLUG WITH THREADED 2" NPT PORT  | CONC SIM TOND<br>CONC SIM TOND<br>CO |
|-----------|--------------------|--|--|--|---|---|--|---|--|---|--|--|---|--|---|--|
|           | VIATIONS           | ALASKA DEPT. OF TRANSPORTATION & PUBLIC FACILITIES<br>AIR RELEASE VALVE<br>ALASKA POLLUTION DISCHARCE ELIMINATION SYSTEM<br>DELTA / CENTRAL ANGLE OF CURVE<br>BECIN DROVECT  | CENTERLINE<br>CORREGATED METAL PIPE<br>CONTRACTING OFFICER   | CITY OF HOMER<br>CUBIC YARD  | DIAMETER<br>DISTANCE<br>EASTING<br>ELEVATION  | ELEVATION<br>END PROJECT<br>EASEMENT<br>EXISTING  | FLANGE<br>FOOT<br>GATE VALVE<br>HIGH-DENSITY POLYETHYLENE  | INVERT<br>INVERT<br>LENGTH OF CURVE<br>LINEAR FOOT  | MINIMUM<br>MAXIMUM<br>MECHANICAL JOINT   | MILES FER HOUR<br>1000 SQUARE FEET<br>MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES<br>NORTHING<br>OVERHEAD ELECTRIC<br>POINT OF CURVATURE  | POINT OF INTERSECTION<br>POINT OF REVERSE CURVATURE<br>POINT OF VERTICAL CURVATURE<br>POINT OF VERTICAL INTERSECTION<br>POINT OF VERTICAL TANGENCY   | POINT OF TANGENCY<br>RADIUS<br>RIGHT<br>RIGHT-OF-WAY<br>SECTION  | STREET INTERSECTION<br>SQUARE FOOT<br>SEWER MANHOLE<br>SANITARY SEWER<br>STAINLESS STEEL<br>STATION | STANDARD<br>STANDARD<br>SQUARE YARD<br>TRANSMISSION YARD<br>INNIFECPOLIND A ECTIFIC<br>NON-SHRW GROUT AROUND<br>PIPE AFTER INSTALL | UNDERGROUND TELEPHONE 6" DIP S.S. REPLACEMENT MAIN<br>UTILITY 6" DIP S.S. REPLACEMENT MAIN<br>TYPICAI | WATER MAIN OR SERVICE  |

| CITY      | OF HOMER STANDARD DRAWINGS INDEX                       |
|-----------|--|
| 200.03    | STANDARD LOCATION FOR NEW UTILITIES                    |
| 200.04    | TYPICAL UTILITY LOCATIONS                              |
| 200.05    | TYPICAL WATER AND SEWER LOCATIONS                      |
| 200.06    | COMPACTION OF BACKFILL WITHIN RIGHT-OF-WAY             |
| 200.07    | CLASS B AND C BEDDING                                  |
| 200.08    | TRENCH BACKFILL  |
| 400.02    | RESURFACING DETAIL TYPICAL GRAVEL SECTION              |
| 500.02    | SANITARY SEWER TYPE A AND BE MANHOLE BASE PLAN         |
| 500.03    | SANITARY SEWER MANHOLE HEIGHTS                         |
| 500.05    | SANITARY SEWER MANHOLE STEP                            |
| 500.06    | SANITARY SEWER MANHGOLE STEP (ALTERNATE)               |
| 500.08    | SANITARY SEWER MANHOLE COVER                           |
| 500.09    | SANITARY SEWER MANHOLE FRAME                           |
| 500.12    | SANITARY SEWER TYPICAL BEAVER SLIDE TYPE A + B MANHOLE |
| 500.13    | SANITARY SEWER SERVICE CONNECTION                      |
| 500.15    | SANITARY SEWER CLEANOUT                                |
| 500.16    | SANITARY SEWER CLEANOUT COVER                          |
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| EDGE EXISTING GRAVEL          |        |
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| PRESSURIZED SEWER SERVICE POL | VALVE  |

NOTES:

Before performing any excavations, call Alaska Digline at 811, (800) 478–3121, or (907) 278–3121.



# E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY SANITARY SEWER LIFT STATION DETAILS + NOTES SANITARY SEWER LIFT STATION DETAILS + NOTES





- ALTERNATE PRESSURIZED SEWER SERVICE CONNECTION N 1. MINIMUM BURIAL DEPTH WITHOUT INSULATION FOR PRESURIZED SEWER SHALL BE 7 FEET. ALL SEWER SERVICES WILL BE FROST PROTECTED WITH A MINIMUM OF TWO-INCH THICK BY TWO TO FOUR FOOT WIDE CLOSED CELL POLYSTYRENE FOAM INSULATION WITH MINIMUM COMPRESSIVE STRENGTH OF 35 PSI. ALL INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF HOMER SPECIFICATION SECTION 704.
- 2. INSTALLATION OF SEWER SERVICE FROM RESIDENCES TO AN ONSITE RESIDENTIAL LIFT STATION SHALL BE AT A MINIMUM SLOPE OF 1%.
- INDIVIDUAL RESIDENCE SEWER LIFT STATIONS WILL CONSIST OF AN NSF APPROVED E/ONE MODEL DH071 FACTORY ASSEMBLED 30-INCH DIAMETER HDPE 70-GALLON BASINS EQUIPPED WITH A 1 HP GRINDER PUMP (OR EQUIVALENT PRODUCT).
- 4. EACH LIFT STATION WILL BE THERMALLY INSULATED BY 3-INCHES OF SPRAY ON POLYURETHANE AND WITH 40-MLOF POLYUREA COATING FOR AT LEAST THE FIRST 6 FEET BELOW GROUND SURFACE. THE MINIMUM DEPTH LIFT STATION WILL BE E/ONE MODEL DH071-129 PROVIDING A 82-INCH DEPTH OF BURY OF THE DISCHARGE PIPE AS IT EXITS THE LIFT STATION. LIFT STATION 1.25 INCH HDPE SERVICE CONNECTION TO THE GRAVITY SEWER SHALL BE GRADED TO A MINIMUM DEPTH OF BURY OF 7 FT BGS WITHIN 10 FEET OF LIFT STATION DISCHARGE.
- LIFT STATION PUMPS ARE MODEL DH071 GRINDER PUMPS (OR EQUIV PUMPS ARE TO BE SINGLE PHASE, 120/240 V UL LISTED AND EQUII WITH A SIMPLEX CONTROL WITH VISUAL AND AUDIBLE ALARM PANEL A NEMA 4X ENCLOSURE. LIFT STATION WILL INCLUDE A THREE FLOA SYSTEM: OFF, ON, AND HIGH LEVEL ALARM (NOTE: E-ONE SYSTEMS PRESSURE SWITCHES, NO FLOATS).
- 6. LIFT STATIONS ARE TO BE EXCAVATED INTO AND BEDDED ON NATIVE AND IF POSSIBLE UNDISTURBED SOIL. IF BEDDING IS DISTURBED OR IMPORTED IT WILL BE COMPACTED TO 90% MAXIMUM DENSITY. LIFT STATIONS WILL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DETAILED INSTRUCTIONS AND WILL INCLUDE CONCRETE BALLAST TO PREVENT FLOATING IN THE EVENT OF HIGH GROUNDWATER CONDITIONS. LIFT STATION BACKFILL WILL CONSIST OF NATIVE SOIL COMPACTED IN ONE FOOT LIFTS.
- 7. RESIDENCES WITH A LIFT STATION MUST RETAIN AN ANNUAL MAINTENANCE CONTRACT WITH A LOCAL CONTRACTOR QUALIFIED TO SERVICE THE LIFT STATION AND RESPOND TO ALARM CONDITIONS.
- 8. ALTERNATIVE EQUIVALENT ENGINEERED LIFT STATIONS MAY BE USED APPROVAL OF THE CITY OF HOMER.
- 9. INDIVIDUAL RESIDENCE PRESSURIZED SEWER SERVICES CONSISTS OF 1.25-INCH DIAMETER SDR 11 HIGH DENSITY POLYETHYLENE PIPE. PRESSURIZED SEWER SERVICES WILL BE EQUIPPED WITH A 1.25-INCH POLY VALVE INSTALLED WITH A VALVE BOX AT THE PROPERTY LINE. THE PRESSURIZED SEWER WILL BE INSULATED WITH TWO INCHES OF INSULATION AND A MINIMUM DEPTH OF BURY OF 7 FEET BELOW GROUND SURFACE.
- 10. PIPE WILL BE BEDDED IN UNDISTURBED NATIVE SOIL OR CLASS B BEDDING. IMPORTED PIPE BEDDING AND SUB-GRADE WILL BE COMPACTED TO 90% MAXIMUM DENSITY. TRENCH BACKFILL SHALL BE NON-ORGANIC FILL AND COMPACTION WILL OCCUR IN ONE FOOT LIFTS.
- 11. SEWER LINES ARE TO BE AIR PRESSURE TESTED IN ACCORDANCE CITY OF HOMER SPECIFICATION 502.3 (f).
- 12. NO WELLS ARE KNOWN TO BE LOCATED WITHIN 200 FEET OF ANY SANITARY SEWER MAINS OR SERVICE CONNECTIONS.









# E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY SANITARY SEWER MAIN EXTENSION EROSION CONTROL PLAN NO. 4







# EROSION CONTROL DETAILS NOISNETXE NIAM REWES YRATINAS E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY



 $\sim$  $\overline{}$ SHEET NO .. S





# FIBER ROLL SEDIMENT CONTROL NTS



NOTES:

Appendix B – BMP Details

#### BMP AK-1 Preservation of Existing Vegetation

### Purpose and Description

• The purpose of preserving existing vegetation is to limit site disturbance and to minimize soil erosion by identifying and protecting pre-existing vegetation on the construction site.<sup>1</sup>

#### Applicability

- Natural vegetation must be preserved in all areas where no construction is planned or will occur at a later date.
- Clear only land that is needed for building activities or vehicle traffic.<sup>2</sup>
- This BMP is not to supersede existing guidelines, restrictions or law, preserve vegetation as required by local governments (such as stream buffers).
- The preservation of existing vegetation is an applicable practice in all regions and climates in Alaska.

### Design and Installation

Before any clearing begins, vegetation selected for preservation must be clearly marked with established barriers.<sup>3</sup> These barriers must be about 1 meter in height, must be highly visible and be anchored by wood or metal fence posts at spacing and depth that will adequately support the fence for the entirety of the project.<sup>1</sup>

- A site map must be prepared clearly outlining all areas of vegetation that is to be preserved.<sup>2</sup>
- Vehicle traffic, equipment storage and parking shall be kept away from these areas to prevent soil and root compaction.<sup>1</sup>
- Ground disturbance must be kept from these areas at least as far out as the leaf drip line.<sup>3</sup>
- Maintain pre-existing irrigation systems that may supply water to vegetation selected for preservation.<sup>1</sup>
- To increase chances of survival it is best to limit grade changes in these areas and areas within the drip line.<sup>3</sup>

### Maintenance and Inspection

- Repair or replace damaged vegetation immediately.<sup>2</sup>
- Inspect preservation areas regularly, if barrier has been removed or visibility reduced repair or replace barrier so that visibility is restored.<sup>3</sup>
- If roots are exposed or damaged, prune ends just above damage with pruning shears or loppers and recover with native soil.<sup>3</sup>

#### References

<sup>1</sup>Caltrans Storm Water Quality Handbooks, March 2003, Construction Site Best Management Practices Manual, SS-2 Preservation of Existing Vegetation, U<u>http://www.dot.ca.gov/hq/construc/stor</u> <u>mwater/CSBMPM\_303\_Final.pdf</u>

(Continued on next page)

<sup>2</sup>USEPA (United States Environmental Protection Agency), October 2000, National Menu of Best Management Practices, Preserving Natural Vegetation, <u>http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=browse&Rbutton=detail&bmp=34&minmeasure=4</u>
<sup>3</sup>Washington State Department of Ecology, Eshmary 2005, Starm Water Management

 February 2005, Storm Water Management Manual for Western Washington, Construction Storm Water Pollution Prevention, BMP C101: Preserving Natural Vegetation, http://www.ecy.wa.gov/pubs/0510030.pdf

#### BMP AK-8 Fiber Roll

#### **Objectives and Applications**

Fiber rolls are long rolls of material such as straw, flax, rice, coconut or compost wrapped in plastic or biodegradable netting. They are placed and staked along the contour of disturbed slopes.

The purpose of a fiber roll is to shorten the slope and help to slow, filter and spread overland flows. They capture organic matter and seeds that might otherwise be washed downslope.

Fiber rolls can be applied to steep or long slopes and slopes that are susceptible to freeze/thaw activity, sheet and rill erosion or dry ravel. They can be placed along the toe, top, face and at grade-breaks on disturbed slopes. They can be placed at the perimeter of a project and around temporary stockpiles. They can be used as check dams in unlined ditches

#### <u>Common Failures - Generally due to faulty</u> <u>installation or maintenance.</u>

- Without being placed in a trench, runoff can flow underneath the roll and cause failure.
- Water can flow between rolls is they are not abutted tightly together.
- Rolls must be placed perpendicular to flow (parallel to the slope contour).
- Rolls will not work if the slope is slumping, creeping or sliding.

#### Other Considerations

- Use in areas of low shear stress.
- Avoid use on slopes that could build up ice.
- They are effective for one to two seasons.
- Fiber rolls can be stakes to the ground using willow cuttings to increase the revegetation. Since the fiber roll will retain moisture, it will provide a good site for the willow.
- Rolls will be difficult to move once they are saturated.
- The quantity of sediment that a roll can capture is limited. They are typically about 8 inches in diameter.

#### Relationship to Other ESC Measures

Fiber rolls are best used in combination with seeding, mulch and/or erosion control blankets. They can be used to stabilize slopes until the permanent vegetation becomes established.

#### Alternate Sediment Control Measures

Silt fence -- the advantage of fiber rolls over silt fence is that installation is much easier, they do not have to be removed and hydroseeding can be done after their installation.

#### Other Names

Straw Wattle, Straw Roll

<u>Design</u>

**Design life**: 1 or 2 seasons

#### Contributing flow drainage area:

Diameter: 8 to 10 inches up to 20 inches

Length: 20 to 30 feet

#### Materials

**Fiber rolls**: The netting may be UV-degradable polypropylene, biodegradable burlap, jute or coir. The filling may be straw, flax, rice, coconut-fiber or compost.

**Stakes**: 1"x1" wooden stakes 24" long (18" if soils are rocky) or 3/8" rebar or 3/4" to 1 1/2" diameter live willow cuttings

#### Installation

Dig trenches across the slope (on the contour) to a depth of 3 to 5 inches. If the slope is steep or there is high rainfall, make trenches 5 to 7 inches deep. Add a slight downward angle to the trench at the ends to avoid ponding in the middle of the slope.

Start installation downslope. Determine the spacing of the rolls based on the slope gradient and soil type. Typically, place rolls 10 feet apart on 1:1 slopes, 20 feet apart on 2:1 slopes, 30 feet apart on 3:1 slopes. Space rolls closer in softer soils, farther in rocky soils.

Place the rolls in the trenches. Where two rolls meet, place the ends abutted tightly, not overlapped. At the end of the roll, turn the end upslope to prevent runoff from going around the roll end. Stake the roll every four feet. Leave 3 inches of the stake above the roll. It may be easier to make a pilot hole through the roll and into the soil first. Fiber rolls around storm drains and inlets must be staked into the ground

#### Inspection

Ensure that the roll ends remain abutted tightly. Ensure that the rolls are in contact with the soil and thoroughly entrenched. Rolls need to be inspected after a significant rainfall. Look for scouring underneath the rolls.

#### Maintenance

Equipment cannot drive over the installed fiber rolls. If inspections reveal crushed, torn, slumping or split rolls, the damaged sections must be replaced.

Remove sediment accumulated upslope of the roll when it reaches one-half the distance between the top of the fiber roll and the ground surface.

#### <u>Removal</u>

Usually fiber rolls are left in place. If they are removed, the accumulated sediment must first be collected and disposed. After removal, the trenches and stake holes should be filled to blend with the slope and revegetated

## BMP 20.00. Silt Fence

#### **DESIGN CONSIDERATIONS**

#### Objectives

The purpose of Silt Fence is to trap sediment and prevent it from being transported out of the project area to another area, or to a water body.

#### Description

Silt Fence is geotextile fabric secured to posts and secured in a trench, and/or with sandbags or drain rock.

#### Other Names

Geotextile for Sediment Control, Sediment Barrier.

#### Applicability

Silt Fence is used downslope from erosionsusceptible terrain to trap sheet flow run-off before the drainage exits the project site. Adequate space must be provided for pooled water on the uphill side of the fence.

Barrier locations are chosen based on site features and conditions (e.g. soil types, climate, terrain features, sensitive areas, etc.), design plans, existing and anticipated drainage courses, and other available erosion and sediment controls. Typical barrier sites are catchpoints beyond the toe of fill, or on sideslopes above waterways or drainage channels.

Although drainage in contact with the fence is to some degree filtered by the geotextile, the fabric's small pores not only block larger-sized eroded particles but also severely restrict water exfiltration rates and behaves like a dam. For this reason, Silt Fences are not to be used for concentrated flows in continuous flow streams or ditches; or as check dams.

Silt Fence can be installed in standing water to provide time for particles to settle.

Silt Fences are used to encircle stockpiled erodible material to prevent off-site sediment transport.

Since Silt Fence installation can cause significant damage, alternative best management practices (BMPs) should be considered for installation instead of Silt Fence. Use Fiber Rolls, compost socks, brush bundles to filter small amounts of sediment in shallow gullies or ditches. Temporary settlement basins, gravel berms, or foam barriers can be used as alternatives to Silt Fence.

Do not use Silt Fence on airport runways, taxiways, aprons, or within the Runway Safety Areas.

#### Selection Considerations

Use of sediment control measures and the level of effort should be commensurate with the potential problem. Silt Fence is not to be used solely as a project delineator (see Site Delineation, BMP-55).

- Use of a Silt Fence sediment control measure is usually more complex, expensive, and maintenance-prone than other sediment control measures.
- Consider impacts of the fence installation, maintenance, and removal on sensitive areas needing protection (e.g. avoid equipment encroachment on wetlands).
- Consider potential undesirable effects of fence placement (e.g. a trench in ground that will not readily "heal" after fence removal; undesirable effects of extent or depth of ponded water, etc.)
- An equipment access route and space for fence installation, maintenance, and removal must be available without encroaching into sensitive areas or off the project limits.
- Wire reinforcement can be used with Silt Fence by backing the geotextile fabric with chain link, polymeric mesh, or welded wire fencing. Below is a list of considerations for adding wire reinforcement to Silt Fence installation:
  - Consider using wire reinforcement and longer posts to resist overturn.
  - Consider using wire reinforcement in areas of high wind.
  - Consider using wire reinforcement for standing water installations.

#### Types of Silt Fence for Purchase:

- *With Pockets:* Sewn-in pocket Silt Fence is geotextile that has factory-sewn pockets for the posts and does not require post fasteners.
- *Without Pockets:* Silt Fence without pockets is geotextile fabric that requires fasteners to attach

the fabric to the posts or Silt Fence that is available with posts pre-attached.

• *Wire Reinforcement:* When Silt Fence is wire reinforced, the geotextile fabric is backed with chain link or welded wire fencing.

Methods of Installation:

- *Trenchless:* Drive support posts into the ground, attach geotextile on the upslope side of the line of stakes with a portion lying flat on the ground, and place clean rock or sandbags on the geotextile. Using sandbags to anchor the fence bottom is a less desirable method because of the tendency for undermining. Require removal of the rock or sandbags when the fence is removed.
- *Trench Key:* Drive support posts into the ground, excavate a trench on the uphill side along the line of the stakes, attach geotextile, and bury fence bottom. Use soil to backfill trench and compact to secure fence bottom. Compacted soil is preferred to gravel fill.
- *Machine Slice:* This method requires a Silt Fence installation machine or attachment. The machine utilizes a blade that plows or slices the fabric directly into the soil minimizing soil disturbance. Displaced soil must be manually backfilled into the slice before the tractor is used to mechanically compact the soil.

#### Design

Locate Silt Fence at a distance from the base of the slope or pile such that there is space for temporary storage of potential accumulated material. Consider a space of 4 feet for worker access if feasible. The grade and length of slope as well as soil erodibility must be considered when specifying silt fence. If the slope is steep or long, consider intermediate slope breaks.

Below are design considerations for Silt Fence that is not wire-reinforced:

- *Design Life*: 1 season (6 months) or less.
- *Contributing Sheet Flow Drainage Area*: Not to exceed 0.25 acres/100 ft. of fence.
- Maximum Height of Ponding Water: 18 in.

| Guidelines for Maximum Slope |
|------------------------------|
| Length for Silt Fence:       |

|             | Length of Slope<br>Above Fence, |
|-------------|---------------------------------|
| Slope (H:V) | Assumes 30 In High<br>Fence     |
| 10:1        | 150 ft.                         |
| 6:1         | 85 ft.                          |
| 5:1         | 70 ft.                          |
| 4:1         | 55 ft.                          |
| 3:1         | 40 ft.                          |
| 2:1         | 25 ft.                          |
| 1:1         | 15 ft.                          |

#### Relationship to Other Erosion and Sediment Control Measures

Sediment control measures are secondary to erosion prevention or soil stabilizing measures. Silt Fence may be used as part of a sequential system with other temporary or permanent measures such as vegetation, check dams, settling ponds, etc. Occasional flow velocity increases may be offset using corrective measures such as rock berms or other redirecting energy absorbers.

#### Common Failures or Misuses

- Inappropriate for intended function (e.g. used for check dam, flow diversion, diversion dam, etc.).
- Installation of Silt Fence in streams or concentrated flow.
- Use as a mid-slope protection on slopes greater than 4:1.
- Use as a perimeter control in high flow areas.
- Field-sewn seams.
- Use of incorrect type of fabric.
- Loose or sagging fabric between posts.
- Fence improperly attached or fastened to posts.
- Posts not driven deep enough into the ground.
- Posts spaced too far apart.
- Posts installed on incorrect side of fence.
- Placement of overlapped joints across pooled drainage areas.
- Fence allows spillover or bypass.
- Soil is not compacted next to fence after backfilling trench, allowing water to flow underneath.
- Trenches are too shallow to anchor the Silt Fence below ground or trenchless construction failure.
- Slope erosion occurs below the fenceline due to drainage that bypasses the barrier end, or water build-up that "blows out" a poorly-secured fence bottom.
- Fence function impairment due to sediment build-up, maintenance neglect, etc.
- Fence topples due to poor installation and/or high levels of impounded backup water or sediment.
- Uneven distribution of pooled drainage along non-level fenceline surface reduces efficiency.
- End of fence is not "J-hooked" upslope allowing water to run around the end.
- Poor support system (e.g. soil too rocky to secure posts, fabric stapled to trees, etc.).
- Installation of Silt Fence in a long continuous run.

### **SPECIFICATIONS**

Standard Specification

- 633 Silt Fence
- 729-2.04 Geosynthetics

### Drawing

• BMP-20.00 Silt Fence (Sheets 1 and 2)





Appendix C – Project Schedule

Appendix D – Supporting Documentation TMDLs Endangered Species Other Permits or Requirements



## United States Department of the Interior

FISH AND WILDLIFE SERVICE Anchorage Fish & Wildlife Field Office 4700 Blm Road Anchorage, AK 99507 Phone: (907) 271-2888 Fax: (907) 271-2786



In Reply Refer To: Project Code: 2022-0090107 Project Name: Old Town Homer September 29, 2022

# Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and some candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). Please note that candidate species are not included on this list. We encourage you to visit the following website to learn more about candidate species in your area:

http://www.fws.gov/alaska/fisheries/fieldoffice/anchorage/endangered/ candidate\_conservation.htm

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

**Endangered Species:** The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect

threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

### http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see:

### https://www.fws.gov/birds/policies-and-regulations.php

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see:

### https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php

In addition to MBTA and BGEPA, Executive Order 13186: Responsibilities of Federal Agencies to Protect Migratory Birds, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both

migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <u>https://www.fws.gov/birds/policies-and-regulations/</u><u>executive-orders/e0-13186.php</u>.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the wind energy guidelines (<u>http://www.fws.gov/windenergy/</u>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm http://www.towerkill.com http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds

# **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Anchorage Fish & Wildlife Field Office 4700 Blm Road Anchorage, AK 99507 (907) 271-2888

### **Project Summary**

Project Code:2022-0090107Project Name:Old Town HomerProject Type:Wastewater Pipeline - New Constr - Below GroundProject Description:Old town Homer Water Main and Sanitary Sewer System Exp. Located at<br/>E. Bunnell Avenue, Allen Way, & Charles Way.

Project Location:

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@59.6392219,-151.5434573345202,14z</u>



Counties: Kenai Peninsula County, Alaska

### **Endangered Species Act Species**

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### **Birds**

 NAME
 STATUS

 Steller's Eider Polysticta stelleri
 Threatened

 Population: AK breeding pop.
 There is final critical habitat for this species. Your location does not overlap the critical habitat.

 Species profile: <a href="https://ecos.fws.gov/ecp/species/1475">https://ecos.fws.gov/ecp/species/1475</a>

### **Critical habitats**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the <u>National Wildlife Refuge</u> system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

# **Migratory Birds**

Certain birds are protected under the Migratory Bird Treaty  $Act^{1}$  and the Bald and Golden Eagle Protection  $Act^{2}$ .

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described <u>below</u>.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The <u>Bald and Golden Eagle Protection Act</u> of 1940.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

| NAME  | BREEDING<br>SEASON         |
|---|----------------------------|
| Aleutian Tern <i>Sterna aleutica</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br><u>https://ecos.fws.gov/ecp/species/9599</u> | Breeds May 1 to<br>Aug 31  |
| American Golden-plover <i>Pluvialis dominica</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.                                     | Breeds May 20<br>to Aug 15 |

| NAME  | BREEDING<br>SEASON         |
|---|----------------------------|
| Bald Eagle Haliaeetus leucocephalus<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.<br>https://ecos.fws.gov/ecp/species/1626   | Breeds Feb 1 to<br>Sep 30  |
| Black Scoter <i>Melanitta nigra</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.  | Breeds<br>elsewhere        |
| Black-legged Kittiwake <i>Rissa tridactyla</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                                 | Breeds<br>elsewhere        |
| Bristle-thighed Curlew Numenius tahitiensis<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br>https://ecos.fws.gov/ecp/species/3913   | Breeds May 15<br>to Aug 15 |
| Common Eider Somateria mollissima<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.  | Breeds Jun 1 to<br>Sep 30  |
| Common Loon <i>gavia immer</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.<br><u>https://ecos.fws.gov/ecp/species/4464</u> | Breeds Apr 15<br>to Oct 31 |
| Common Murre Uria aalge<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.  | Breeds Apr 15<br>to Aug 15 |
| Golden Eagle Aquila chrysaetos<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.<br><u>https://ecos.fws.gov/ecp/species/1680</u> | Breeds Jan 1 to<br>Aug 31  |
| Hudsonian Godwit <i>Limosa haemastica</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.  | Breeds May 15<br>to Jul 31 |
| Kittlitz's Murrelet Brachyramphus brevirostris<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br>https://ecos.fws.gov/ecp/species/1633  | Breeds<br>elsewhere        |

| NAME   | BREEDING<br>SEASON         |
|--|----------------------------|
| Lesser Yellowlegs <i>Tringa flavipes</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br><u>https://ecos.fws.gov/ecp/species/9679</u>  | Breeds May 1 to<br>Aug 15  |
| Long-tailed Duck Clangula hyemalis<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.<br>https://ecos.fws.gov/ecp/species/7238 | Breeds<br>elsewhere        |
| Olive-sided Flycatcher <i>Contopus cooperi</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br><u>https://ecos.fws.gov/ecp/species/3914</u>  | Breeds May 20<br>to Aug 31 |
| Pomarine Jaeger <i>Stercorarius pomarinus</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                               | Breeds<br>elsewhere        |
| Red-breasted Merganser <i>Mergus serrator</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                               | Breeds<br>elsewhere        |
| Red-necked Phalarope <i>Phalaropus lobatus</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                              | Breeds<br>elsewhere        |
| Red-throated Loon <i>Gavia stellata</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                                     | Breeds<br>elsewhere        |
| Short-billed Dowitcher <i>Limnodromus griseus</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br><u>https://ecos.fws.gov/ecp/species/9480</u>   | Breeds Jun 1 to<br>Aug 10  |
| Surf Scoter <i>Melanitta perspicillata</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                                  | Breeds<br>elsewhere        |
| Thick-billed Murre <i>Uria lomvia</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities.                                       | Breeds Apr 15<br>to Aug 15 |

| NAME  | BREEDING<br>SEASON  |
|---|---------------------|
| White-winged Scoter <i>Melanitta fusca</i><br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention<br>because of the Eagle Act or for potential susceptibilities in offshore areas from certain types<br>of development or activities. | Breeds<br>elsewhere |
| Yellow-billed Loon <i>Gavia adamsii</i><br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA<br>and Alaska.<br>https://ecos.fws.gov/ecp/species/8199   | Breeds<br>elsewhere |

### **Probability Of Presence Summary**

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### **Probability of Presence** (

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

- 1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
- 2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
- 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (=)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

### No Data (-)

A week is marked as having no data if there were no survey events for that week.

### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

|  |  | probability o              | f presence 📃 br | eeding season                       | survey effort — no data            |
|--|--|----------------------------|-----------------|-------------------------------------|------------------------------------|
| SPECIES<br>Aleutian Tern<br>BCC Rangewide<br>(CON)   | JAN FEB MAR<br>++++ ++++               | APR MAY                    | JUN JUL<br>∳┿┿┿ | AUG SEP                             | OCT NOV DEC<br>++++ +++++          |
| American Golden-<br>plover<br>BCC Rangewide<br>(CON) | ++++ ++++                              | ⊦++++ <mark> </mark>       |                 | <mark>┼╈┼</mark> ┿ <del></del> ╪┼┼┼ | ++++ +++++                         |
| Bald Eagle<br>Non-BCC<br>Vulnerable                  |  |                            | 1111 1111       |                                     |                                    |
| Black Scoter<br>Non-BCC<br>Vulnerable                |  | C #0000 \$\$\$\$           | <b>***</b>      | ┿ <del>╪</del> ┼┼ ┼┿ <b>║</b> ║     | 1+11 XXXX X <b>X</b> 11            |
| Black-legged<br>Kittiwake<br>Non-BCC<br>Vulnerable   | +++++++ ++#+#H                         | ) #########                |                 |                                     | <b>                     +</b> ++++ |
| Bristle-thighed<br>Curlew<br>BCC Rangewide<br>(CON)  | ++++ ++++ ++++                         | ┝╺┼┼┼┼╶ <mark>┤</mark> ┿┤  | ++++ ++++       | <mark>┼┼</mark> ┼┼┼┼                | ++++ ++++                          |
| Common Eider<br>Non-BCC<br>Vulnerable                | +#++++++++++++++++++++++++++++++++++++ | ├ <b>┼┿┿┿ ┿┼┿┼</b>         | ++++ ++++       | ++++                                | ++++ =++                           |
| Common Loon  |  | I B <mark>III      </mark> | IIII IIII       |                                     | IIII IIII IIII                     |

Non-BCC Vulnerable

Common Murre Non-BCC Vulnerable

Golden Eagle Non-BCC Vulnerable

Hudsonian Godwit BCC Rangewide (CON)

Kittlitz's Murrelet BCC Rangewide (CON)

SPECIES

Lesser Yellowlegs BCC Rangewide (CON)

Long-tailed Duck Non-BCC Vulnerable

Olive-sided Flycatcher BCC Rangewide (CON)

Pomarine Jaeger Non-BCC Vulnerable

Red-breasted Merganser Non-BCC Vulnerable

Red-necked Phalarope Non-BCC Vulnerable

Red-throated Loon Non-BCC Vulnerable

Short-billed Dowitcher BCC Rangewide (CON)

Surf Scoter Non-BCC Vulnerable

Thick-billed Murre Non-BCC Vulnerable

|          |                      | ++ <b>#</b> # | <b>∐</b> ∔≢∔ | <b>+†</b> ‡‡                    | <b> </b>                 | <b>   </b>  | <b>   </b>       | <b>III</b>                      | ▐▎ቑ▋▌┼               | ++##        |             |                |
|----------|----------------------|---------------|--------------|---------------------------------|--------------------------|---|------------------|---------------------------------|----------------------|-------------|-------------|----------------|
|          | ++++                 | ++++          | ++++         | $\left  \left  \right  \right $ | <b>┼</b> ┼┼              |   |                  | $\left  \right  \left  \right $ | ++++                 | ++++        | ++++        | ++++           |
| wit<br>e | ++++                 | ++++          | ++++         | ┼┼┼╪                            | <b>∳</b> ŧ∎ł             |   | ┼┼┼╡             | <b>₩</b> <u>+</u> +++           | ++++                 | ++++        | ++++        | ++++           |
| et<br>e  | ++++                 | ++++          | ++++         | ++++                            | <b>┼┼</b> ╪              | ++++  | ┼╪╪┼             | <b>•</b> +++                    | <b>₩</b> <u>+</u> ++ | ++++        | ++++        | ++++           |
| gs       | jan<br>++++          | FEB<br>++++   | MAR<br>++++  | APR<br>∔ <b>∳∎∎</b>             | MAY                      | JUN   | JUL              | AUG                             | SEP<br>∎≢∎∔          | ост<br>++++ | NOV<br>++++ | DEC<br>++++    |
| k        |                      |               |              |                                 | <b>₩₩</b> +              | ┼┿┼┼  | ++++             | ┼┼╪┼                            | ++++                 | ┼║║║        |             |                |
| e        | ++++                 | ++++          | ++++         | ++++                            | ┼┿╋╋                     | \$ <b>†</b> \$\$  | <b>₩</b>         | ┼┼┼┼                            | ++++                 | ++++        | ++++        | ++++           |
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|          |                      |               |              |                                 | <u></u>                  | <b>U</b> +U+  |                  | ****                            |                      |             |             |                |
| ırre     | <b>₩</b> <u>+</u> ++ | ┼┼┼╪          | ++++         | ┼┼┼┼                            | $\left  \right  \right $ | ++++  | ++++             | ++++                            | ++++                 | ++++        | ∎┼┼Ш        | +∎∔∔           |

White-winged Scoter Non-BCC Vulnerable

Yellow-billed Loon BCC Rangewide (CON)

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds <u>https://www.fws.gov/library/</u> <u>collections/avoiding-and-minimizing-incidental-take-migratory-birds</u>
- Nationwide conservation measures for birds <u>https://www.fws.gov/sites/default/files/</u> <u>documents/nationwide-standard-conservation-measures.pdf</u>
- Alaska Bird Nesting Season <u>https://www.fws.gov/alaska-bird-nesting-season</u>

### **Migratory Birds FAQ**

# Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

<u>Nationwide Conservation Measures</u> describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. <u>Additional measures</u> or <u>permits</u> may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

# What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS <u>Birds of Conservation Concern</u> (<u>BCC</u>) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the <u>Avian</u> <u>Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list

of all birds potentially present in your project area, please visit the <u>Rapid Avian Information</u> <u>Locator (RAIL) Tool</u>.

# What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the <u>Avian Knowledge Network (AKN)</u>. This data is derived from a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u>.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the <u>RAIL Tool</u> and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

- 1. "BCC Rangewide" birds are <u>Birds of Conservation Concern</u> (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
- 2. "BCC BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
- 3. "Non-BCC Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the <u>Eagle Act</u> requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the <u>Northeast Ocean Data Portal</u>. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the <u>NOAA NCCOS Integrative Statistical</u> <u>Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic</u> <u>Outer Continental Shelf</u> project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the <u>Diving Bird Study</u> and the <u>nanotag studies</u> or contact <u>Caleb Spiegel</u> or <u>Pam Loring</u>.

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to <u>obtain a permit</u> to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

### **IPaC User Contact Information**

Agency:Bishop Engineering LLCName:Shannon CefaluAddress:PO Box 2501City:HomerState:AKZip:99603Emailscefalu@bishop-engineering.comPhone:3603173975

# Wetlands

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of</u> <u>Engineers District</u>.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE APPROXIMATELY 0.40 ACRES OF RIVERINE WETLANDS WITHIN THE BOUNDARIES OF THIS PROJECT ALONG E BUNNEL AVE.



# **OLD TOWN HOMER**



National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Riverine

Freshwater Pond

**Estuarine and Marine Wetland** 



### ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION OIL & HAZARDOUS SUBSTANCES SPILL NOTIFICATION FORM

|                    |           |          |              |                 |                  |         |                   |                    |       | ADEC U                   | ISE ONLY                                |
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| Mailing Address:   |           |          |              |                 |                  |         |                   |                    |       | VESSEL NUMBER:           |   |
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|                    |           |          |              |                 |                  |         |                   |                    |       |                          |   |
|                    |           |          |              |                 |                  |         |                   |                    |       |                          |   |
|                    |           |          |              |                 |                  |         |                   |                    |       |                          |   |
|                    |           |          |              |                 |                  |         |                   |                    |       |                          |   |
|                    |           |          |              |                 | ADEC             | UJE     |                   |                    |       |                          |   |

| SPILL NAME:                 |                |                           | NAME OF DEC STAFF R | ESPONDING:        | C-PLAN MGR NOTIFIED?          |
|-----------------------------|----------------|---------------------------|---------------------|-------------------|-------------------------------|
|                             |                |                           |                     |                   | 🗌 Yes 🗌 No                    |
| DEC RESPONSE:               |                | CASELOAD CODE:            |                     | CLEANUP CLOSURE A | ACTION:                       |
| Phone follow-up Field visit | Took Report    | First and Final Open/No I | .C 🗌 LC Assigned    | NFA Monitor       | ing  Transferred to CS or STP |
| COMMENTS:                   | Status of Case | : 🗌 Open 🗌 Closed         | DATE CA             | SE CLOSED:        |                               |
|                             |                |                           |                     |                   |                               |
|                             |                |                           |                     |                   |                               |
|                             |                |                           |                     |                   |                               |
| REPORT PREPARED BY:         |                |                           |                     | DATE:             |                               |
|                             |                |                           |                     |                   |                               |

# **IT'S THE LAW!** AS 46.03.755 and 18 AAC 75.300

# REPORT OIL AND HAZARDOUS SUBSTANCE SPILLS

# **During Normal Business Hours**

call the nearest response team office:

| Central | Alaska: |
|---------|---------|
| Anchor  | age     |

| (907)   | 269-3063     |
|---------|--------------|
| Fax: (9 | 07) 269-7648 |

Northern Alaska: Fairbanks (907) 451-2121 Fax: (907) 451-2362

Southeast Alaska: Juneau (907) 465-5340 Fax: (907) 465-2237

# **Outside Normal Business Hours**

| Toll Free     | 1-800-478-9300 |
|---------------|----------------|
| International | 1-907-428-7200 |
| Nort          | thern          |





Alaska Department of Environmental Conservation Division of Spill Prevention and Response www.dec.alaska.gov/spar/spillreport.htm

# **Hazardous Substance**

Any hazardous substance spill, other than oil, must be reported immediately.

# **Oil – Petroleum Products**

### To Water

Any amount spilled to water must be reported immediately.

### To Land

- Spills in **excess of 55 gallons** must be reported immediately.
- Spills in excess of 10 gallons, but 55 gallons or less, must be reported within 48 hours after the person has knowledge of the spill.
- Spills of **1 to 10 gallons** must be recorded in a spill reporting log submitted to ADEC each month.

# To Impermeable Secondary Containment Areas

Any spills in **excess of 55 gallons** must be reported within 48 hours.

### Additional Requirements for Regulated Underground Storage Tank Facilities

Regulated Underground Storage Tank (UST) facilities are defined at 18 AAC 78.005 and do not include heating oil tanks.

If your release detection system indicates a possible discharge, or if you notice unusual operating conditions that might indicate a release, you must notify the ADEC UST Program within 7 days.

UST Program: (907) 269-3055 or 269-7679

Appendix E – Delegation of Authority Form Subcontractor Certifications

### **DELEGATION OF AUTHORITY**

I, \_\_\_\_\_\_ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at **Old Town Homer** project site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

| <br>(name of person or position) |
|----------------------------------|
| <br>(company)                    |
| <br>(address)                    |
| <br>(city, state, zip)           |
| <br>(phone)                      |

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix I of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix I.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Name:      |  |
|------------|--|
|            |  |
| Company:   |  |
|            |  |
| Title:     |  |
|            |  |
| Signature: |  |
|            |  |
| Date:      |  |
|            |  |

### SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Title: Old town Homer Water Main & Sanitary Sewer System Exp. - E. Bunnell Avenue, Allen Way, & Charles Way

### **Operator(s):** City of Homer

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company:

Address:

Telephone Number:

Type of construction service to be provided:

\_\_\_\_\_

Signature:

Title:

Date:

Appendix F – Permit Conditions

Notice of Intent Confirmation of Delivery of NOI to ADEC ADEC Authorization of Coverage 2022 Alaska Construction General Permit Old Town Homer Storm Water Pollution Prevention Plan

Appendix G – Grading and Stabilization Activities Log

| Uate<br>Grading       | Description of Grading Activity | Description of Stabilization Measure<br>and Location | Date Grading<br>Activity Ceased | Uate Wnen<br>Stabilization |
|-----------------------|---------------------------------|--|---------------------------------|----------------------------|
| Activity<br>Initiated |                                 |  | (Indicate<br>Temporary or       | Measures<br>Initiated      |
|                       |                                 |  | Permanent)                      |                            |
|                       |                                 |  |                                 |                            |
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### Appendix H – Monitoring Plan and Reports

(not required for this project)

### **Appendix I – Training Records**

| Storr                            | Stormwater Pollution Prevention Training Log |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|
| Project Name:                    |  |  |  |  |  |  |  |
| Project Location:                |  |  |  |  |  |  |  |
| Instructor's Name(s):            |  |  |  |  |  |  |  |
| Instructor's Title(s):           |  |  |  |  |  |  |  |
| Course Location:                 | Date:  |  |  |  |  |  |  |
| Course Length (hours):           |  |  |  |  |  |  |  |
| Stormwater Training Topic: (che  | eck as appropriate)                          |  |  |  |  |  |  |
| Sediment and Erosion<br>Controls | Emergency Procedures                         |  |  |  |  |  |  |
| Stabilization Controls           | Inspections/Corrective Actions               |  |  |  |  |  |  |
| Pollution Prevention<br>Measures |  |  |  |  |  |  |  |
| Specific Training Objective:     |  |  |  |  |  |  |  |

### Attendee Roster: (attach additional pages as necessary)

| No. | Name of Attendee | Company |
|-----|------------------|---------|
| 1   |                  |         |
| 2   |                  |         |
| 3   |                  |         |
| 4   |                  |         |
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| Date Action<br>Taken/Respon<br>sible person                          |  |  |  |  |  |
|--|--|--|--|--|--|
| Corrective Action Needed (including planned date/responsible person) |  |  |  |  |  |
| Description of BMP Deficiency  |  |  |  |  |  |
| Inspector<br>Name(s)   |  |  |  |  |  |
| Inspection<br>Date   |  |  |  |  |  |

Appendix K – Inspection Records

Appendix L – Rainfall Records
## SWPPP DAILY RECORD OF RAINFALL

## PROJECT NAME:

| DATE | PRECIPITATION<br>(INCHES) | STORM INFO & COMMENTS | INITIALS |
|------|---------------------------|-----------------------|----------|
|      | (********                 |                       |          |
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