**City of Homer**
*www.cityofhomer-ak.gov*

Office of the City Manager
491 East Pioneer Avenue
Homer, Alaska 99603
citymanager@cityofhomer-ak.gov
(p) 907-235-8121 x2222
(f) 907-235-3148

# Memorandum

TO: Mayor Castner and Homer City Council

FROM: Rob Dumouchel, City Manager

DATE: February 17, 2021

SUBJECT: City Manager's Report for February 22, 2021 Council Meeting

**FY22/23 Budget**
I have asked staff to begin thinking about the fee schedule and planning any necessary consultations with boards/committees/commissions for input in the coming month. The City Clerk and Finance Director will be my leads on this topic.

At the last Council meeting there were requests for an increased number of work sessions as we prep the budget. I have sketched out a plan for a series of work sessions which will focus on specific topics and departments. The draft series could include the following meetings: Overhead and Admin Fees; Reserves; Fleet and Capital Projects; Administration and Finance; Police and Fire; Public Works (including Water and Sewer); and Harbor. I haven't set any dates yet, but we will look to do a mix of on- and off-cycle work session meetings during the months of March and April. The Clerk will coordinate with Council on availability and scheduling.

On a related topic, we have been prepping for the next audit and are actively working with BDO to confirm a schedule for FY2020 audit services.

**Sidewalks, Trails, and Pedestrian Connectivity**
A group of staff from Planning and Public Works have joined up with Councilmembers Lord and Smith to develop solutions which would improve safety and connectivity for pedestrians in Homer. This project will look at both road-adjacent pedestrian facilities (i.e., sidewalks) and alternative connections (i.e., trails). For the first phase of this project, I have staff conducting a geospatial analysis of existing facilities and identifying gaps. Once we have a clear vision of where the opportunities and needs are, we will conduct a public engagement event to get feedback from the public. Expect regular updates on this project in future reports.

**Potential Updates to the Special Event Code**
Since arriving, I have noticed that HCC Chapter 19.02 doesn't seem to fit the unique situations or scale of events in Homer very well. I would like to investigate potential improvements to this chapter of the code and possibly others that have an impact on events. I will be building a team to review and propose ideas for improving the code and I am looking for interested Councilmembers to join this effort.

**Pioneer Avenue Water Main**
On February 3rd a water main break was identified on Pioneer Avenue in front of the Independent Living Center Building. Public Works planned a response that day and started at 4am the next morning to excavate

and repair the problem. The water main break was repaired by lunchtime. The crew creatively used our Vactor Truck to strategically dewater the excavation and "dig" closer to the water pipe, thereby minimizing the size of the open hole which allowed our crew to access the break without disturbing the pavement on Pioneer. A piece of the concrete curb and sidewalk was removed, but has since been replaced by a contractor. No customers lost access to water during the repair operation.

*The photo above shows Paul Raymond (at street level), Jason Hanenberger, and Mike Szocinski working on the Pioneer Avenue water main break.*

**Public Works Project Updates**

Director Keiser has written memos providing updates to Council on various ongoing projects. See attached for updates regarding the Tasmania Court Water and Sewer Improvement Projects, Alder Lane Water Extension Project, and Mt. Augustine Road Drainage Improvement Project.

**Hornaday Park Demolition Project**

Demolition of the restroom and concession stand facilities at Hornaday Park began on February 10th. The facilities are being demolished because they have exceeded their useful life, don't meet ADA or building code standards, and have major deficiencies which have led to them being closed to the public and the interim use of portable toilets. All demolition work is being done by City staff and the transfer station has waived tipping fees for disposal of the building debris.


**Share the Road Signage**

The Public Works Department has procured some share the road signage (modeled below by Asset Management Specialist Owen Meyer) to test in areas around town where conflicts between different types of road users may occur. Look for signs to be installed on Bartlett Street, Kachemak Way, and Ben Walters Way.

**Small Boat Station**
Looking to the future, the Port of Homer would be an ideal location for a US Coast Guard small boat station. See the attached memo from the Harbormaster for more information on the history and path forward for this potential project.

**Lobbying Update**
Staff met with State Senator(s) Bishop and Stevens to discuss issues affecting the City of Homer and the Southern Kenai Peninsula region. Topics included the Homer DMV and expansion of the Port & Harbor.

**Noise on Beluga Lake**
I have had a few Councilmembers reach out to discuss noise issues in the City. I have started a conversation with the City Planner and the Police Chief to get a better view of the history of this issue in Homer as well as what rules and regulations we have available to the City to mitigate excessive noise. I will report back at a future meeting with more information.

**Lt. Browning Completes Northwestern University Police Staff and Command Program**
Lt. Ryan Browning of the Homer Police Department has successfully completed the Northwestern University Center for Public Safety's School of Police Staff and Command program. The program provides upper-level college instruction in a total of twenty-seven core blocks or instruction and additional optional blocks during each session. The major topics of study include: leadership; human resources; employee relations; organizational behavior; applied statistics; planning and policy development; and budgeting and resource allocation. Congratulations Lt. Browning!

## COVID-Related Updates

**COVID Risk Status**
On February 1st I moved the City from the "Red" to "Orange" level on our COVID risk framework. We remain in orange. The return of activities to the HERC and the Library by appointment has gone well so far with a minimal number of individuals refusing to comply with City masking regulations.

Enclosures:

1. Memo from PW Director Keiser regarding Tasmania Court
2. Memo from PW Director Keiser regarding Alder Lane
3. Memo from PW Director Keiser regarding Mt. Augustine Road
4. Memo from Harbor Master Hawkins regarding USCG Small Boat Station

**City of Homer**
www.cityofhomer-ak.gov

Public Works
3575 Heath Street
Homer, AK 99603
publicworks@cityofhomer-ak.gov
(p) 907- 235-3170
(f) 907-235-3145

# Memorandum

TO: City Council

Through: Robert Dumouchel, City Manager

FROM: Janette Keiser, PE, Director of Public Works/Acting City Engineer

DATE: February 3, 2021

SUBJECT: Tasmania Court Water and Sewer Improvement Projects

**Issue:** The design for the Tasmania Court Water Improvement Project is complete. The process of creating a Tasmania Court Sewer Improvement Special Assessment District is underway. The purpose of this Memorandum is to provide updated information about these projects. No action is needed at this point.

**Background**:

**A. Water Main Extension.**

The City Council, via Ordinance 20-68, dated October 26, 2020, appropriated $234,105 for the design and construction of a water main extension on Tasmania Court, in conjunction with the Special Assessment District created by Ordinance 20-083.

The City issued a contract to design the Tasmania Court water main extension to Bishop Engineering, a Homer firm with extensive experience in local development projects. The survey work was provided by Geovera LLC, another local firm. Bishop has completed the design and it has been submitted to the AK Department of Environmental Conservation for statutorily required plan review.

The water main extension project includes installation of 930 feet of 8" HDPE pipe, two fire hydrants and 11 water service stub-outs. The estimated cost for the construction work is $152,119, which includes a 10% construction contingency. The actual cost of the design/survey effort is $13,800, bringing the total expected project cost for the water portion to $165,919.

We are in the process of applying for a long-term, low-interest loan from the AK Dept. of Environmental Conservation's Drinking Water Revolving Loan Fund to finance the water side project. No Council action is needed at this time. In the near future, we will come back to Council for formal action related to the ADEC loan.

**B. Sewer Main Extension**

The City Council, via Ordinance 20-091(A), dated September 28, 2020, initiated the process of creating a Special Assessment District that would extend the sewer mains so the properties, which would be receiving City water service, could also be served with City sewer service. We created several alternative sewer extension configurations, with a cost estimate and preliminary assessment roll for each alternative. We then held a neighborhood meeting, as provided in the Homer City Code, to discuss the various alternatives with the property owners.

One of the alternatives was to use an "effluent only" system, which would connect the existing septic tanks, so long as they are in good repair, to a small diameter gravity main. The City has been successfully using this configuration for some of its customers, particularly those residing in Kachemak City. One of the other alternatives was to use a traditional gravity collection system, which would avoid existing septic tanks. Many of the property owners told horror stories about the problems they've been having with their septic tank/leachfield systems. Most of them wanted nothing more to do with septic tanks!

We realized we needed to evaluate each property individually to get a better understand of how to lay out sewer mains that would serve the whole neighborhood effectively. Jean Hughes, PW Inspector, visited with each property owner to see what their existing systems looked like and how we could connect them to a neighborhood collection system. We are using that information to update the conceptual design, cost estimate and preliminary assessment roll. Once we do that, we will have another neighborhood meeting. Our intent is to move the process along so that we can construct the sewer main portion of the project at the same time we install the water main portion.

No Council action is required at this point. As the Sewer Special Assessment District process moves forward, we will come back for applicable action.

**City of Homer**
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3575 Heath Street
Homer, AK 99603
publicworks@cityofhomer-ak.gov
(p) 907- 235-3170
(f) 907-235-3145

# Memorandum

TO: City Council

Through: Robert Dumouchel, City Manager

FROM: Janette Keiser, PE, Director of Public Works/Acting City Engineer

DATE: February 3, 2021

SUBJECT: Alder Lane Water Improvement Project – 35% Design

**Issue:** The design for the Alder Lane Water Improvement Project is complete. The purpose of this Memorandum is to provide updated information about the project. No action is needed at this point.

**Background**: The City Council, via Ordinance 20-83, dated November 9, 2020, appropriated $253,193 for the design and construction of a water main extension on Alder Lane, in conjunction with the creation of a Special Assessment District by Ordinance 20-095.

The City issued a contract to design the Alder Lane water main extension to Bishop Engineering, a Homer firm with extensive experience in local development projects. The survey work was provided by Geovera LLC, another local firm. Bishop has completed the design and it has been submitted to the AK Department of Environmental Conservation for statutorily required plan review.

The project includes installation of 1,220 feet of 8" HDPE pipe, three fire hydrants and nine water service stub-outs. The estimated cost for the construction work is $187,671, which includes a 10% construction contingency. The actual cost of the design/survey effort is $13,220, bringing the total expected project cost to $200,891.

Further, we are in the process of applying for a long-term, low-interest loan from the AK Dept. of Environmental Conservation's Drinking Water Revolving Loan Fund to finance the project. We will come back to Council for formal action related to this loan in the future.

# CITY OF HOMER
# ALDER LANE
## WATER MAIN EXTENSION
## JANUARY 30, 2021

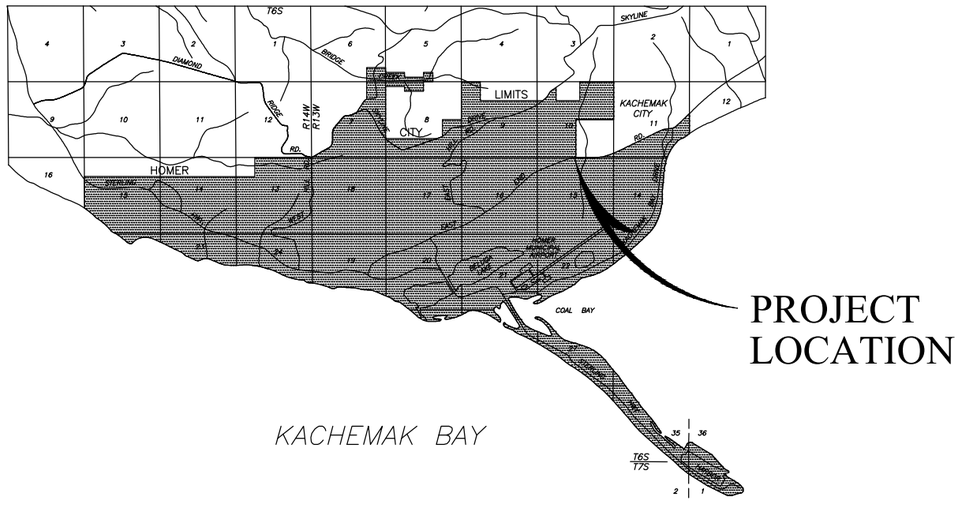

LOCATION MAP

## Homer City Council

Mayor
Ken Castner

Councilmembers
Donna Aderhold
Joey Evenson
Storm Hansen–Cavasos
Rachel Lord
Heath Smith
Caroline Venuti

Public Works Director
Janette Keiser, PE



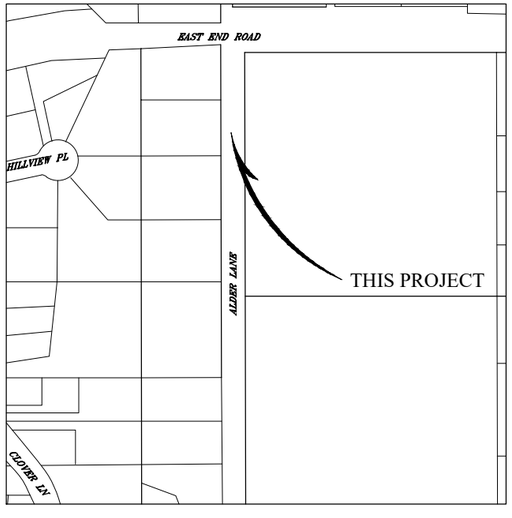

HOMER AREA MAP
SCALE: 1" = 1 MILE

## INDEX TO DRAWINGS

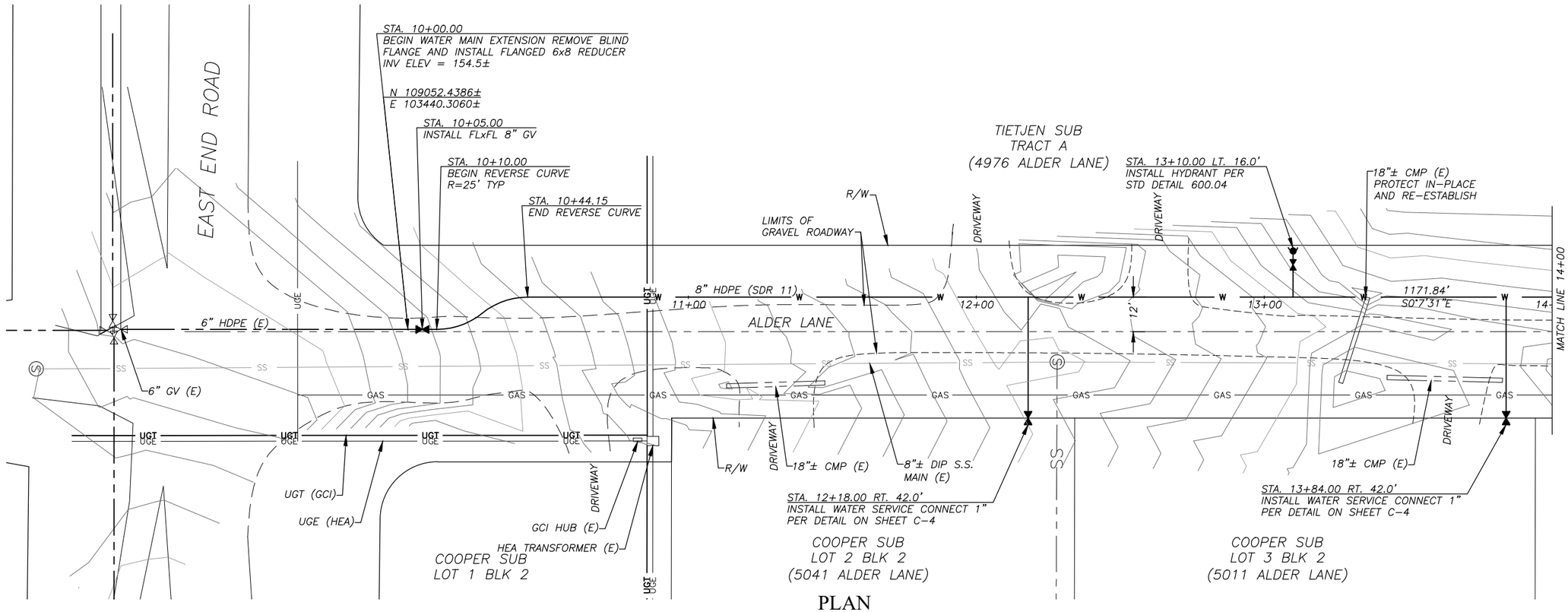


Notes:

1. Before performing any excavations, call Alaska Digline at: 811, (800) 478–3121, or (907) 278–3121.
2. These plans shall be used in conjunction the City of Homer "Standard Construction Details" in adoption on January 30, 2021.

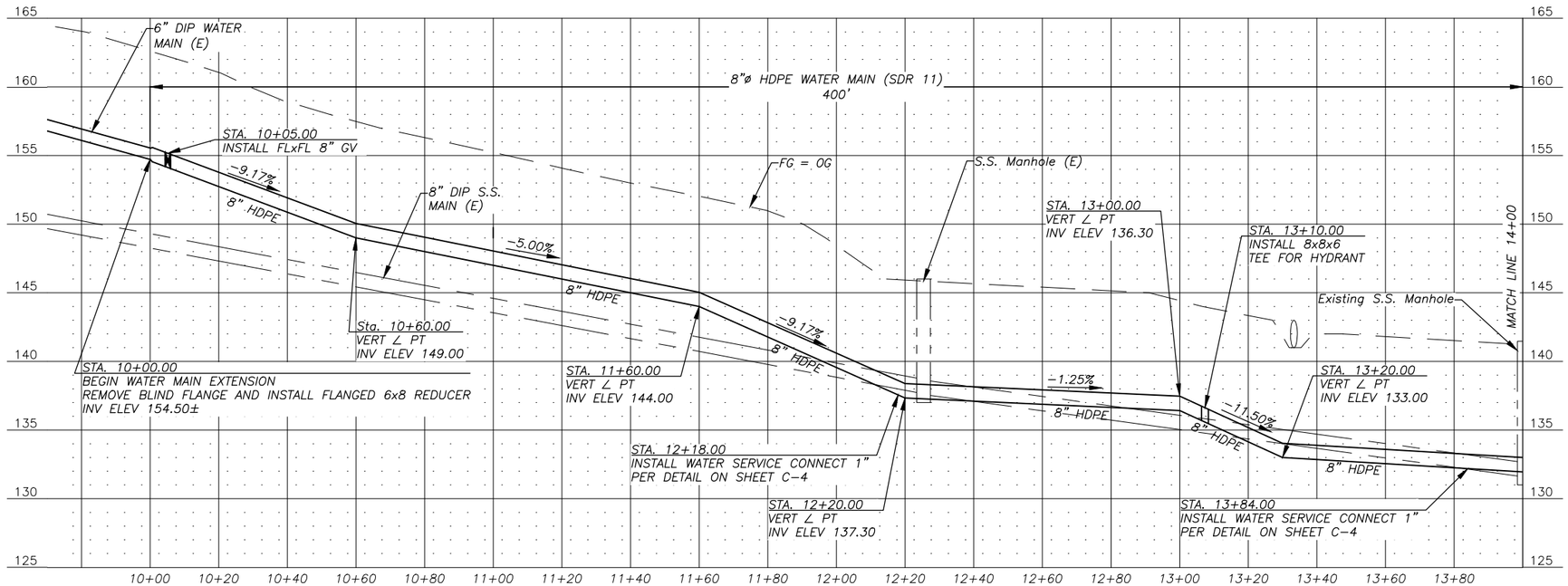



VICINITY MAP
SCALE: 1" = 400'




PLAN

GRAPHIC SCALE 0 40 80 120 160




PROFILE

NOTES:

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

# ALDER LANE WATER MAIN EXTENSION

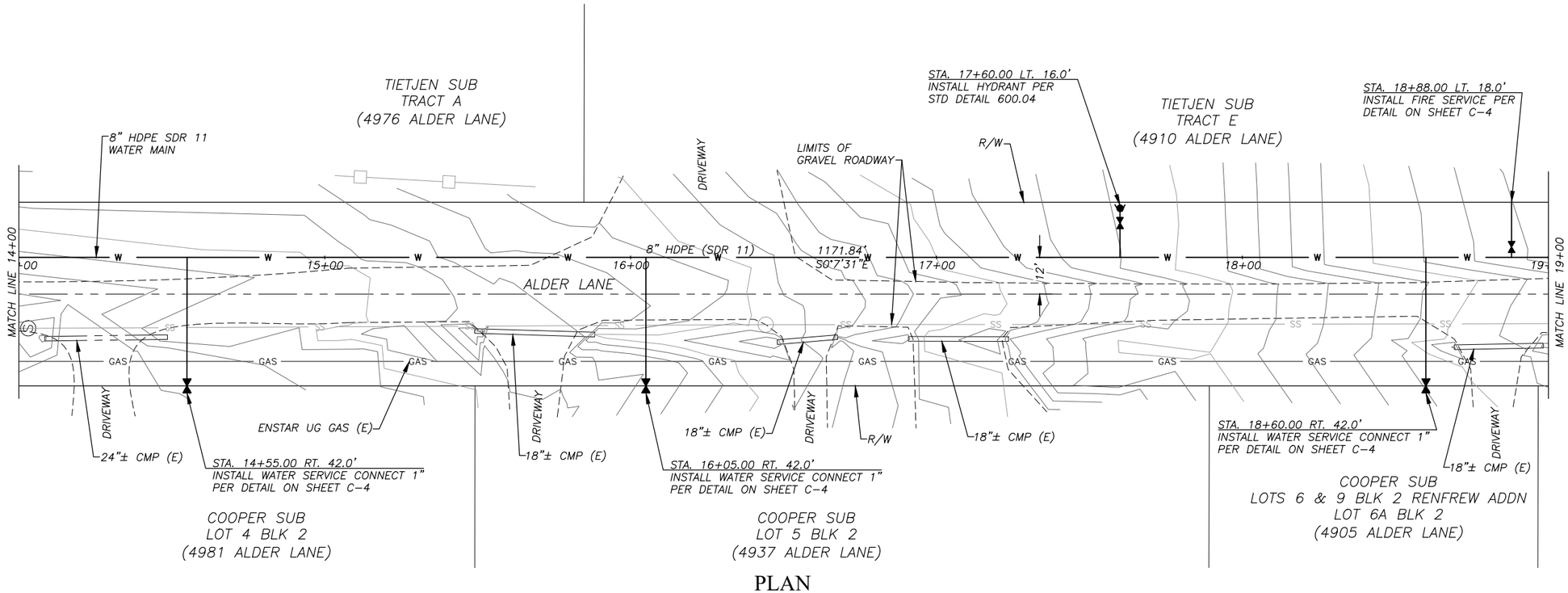
## WATER MAIN PLAN + PROFILE

## STA 10+00.00 to 14+00.00

BISHOP ENGINEERING, LLC
PO BOX 2501, HOMER, ALASKA 99603
(907) 299-7609

DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

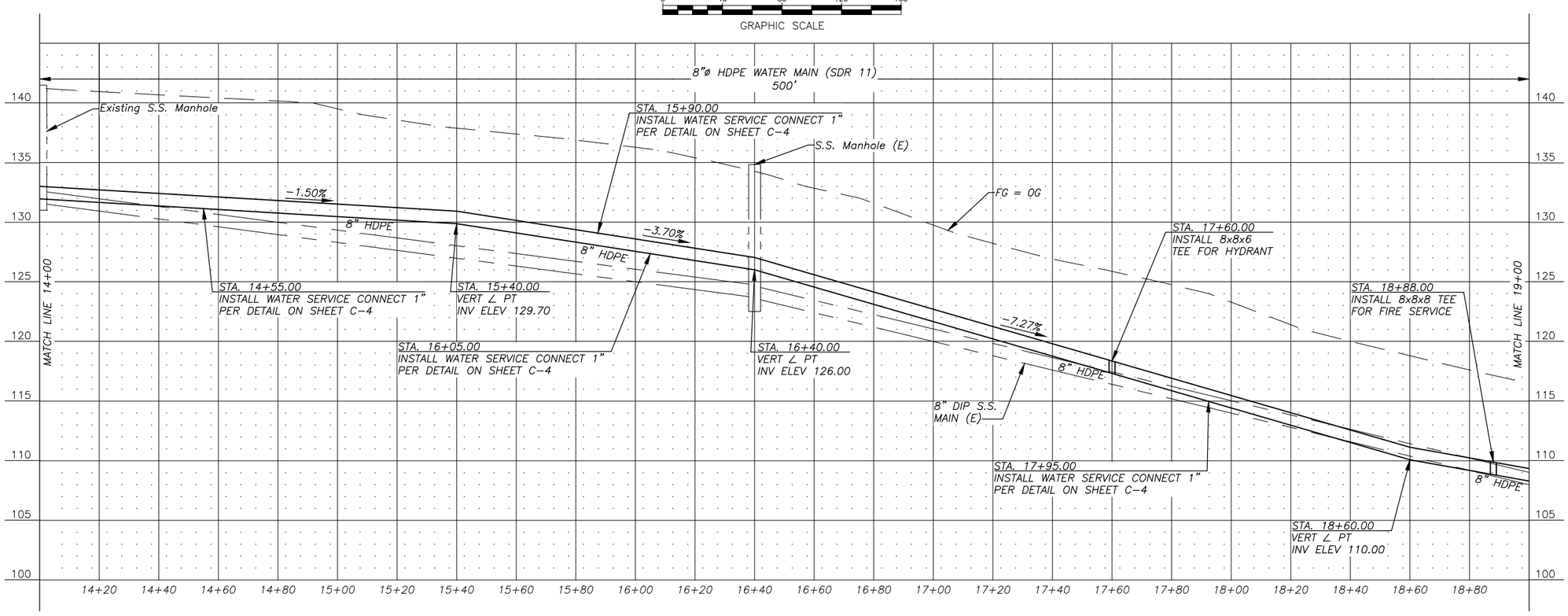
SHEET NO.:
C-1




## PLAN

0 40 80 120 160

GRAPHIC SCALE




## PROFILE

NOTES:

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

STATE OF ALASKA
49TH
John S. Bishop
CE 10997
REGISTERED PROFESSIONAL ENGINEER

# ALDER LANE WATER MAIN EXTENSION

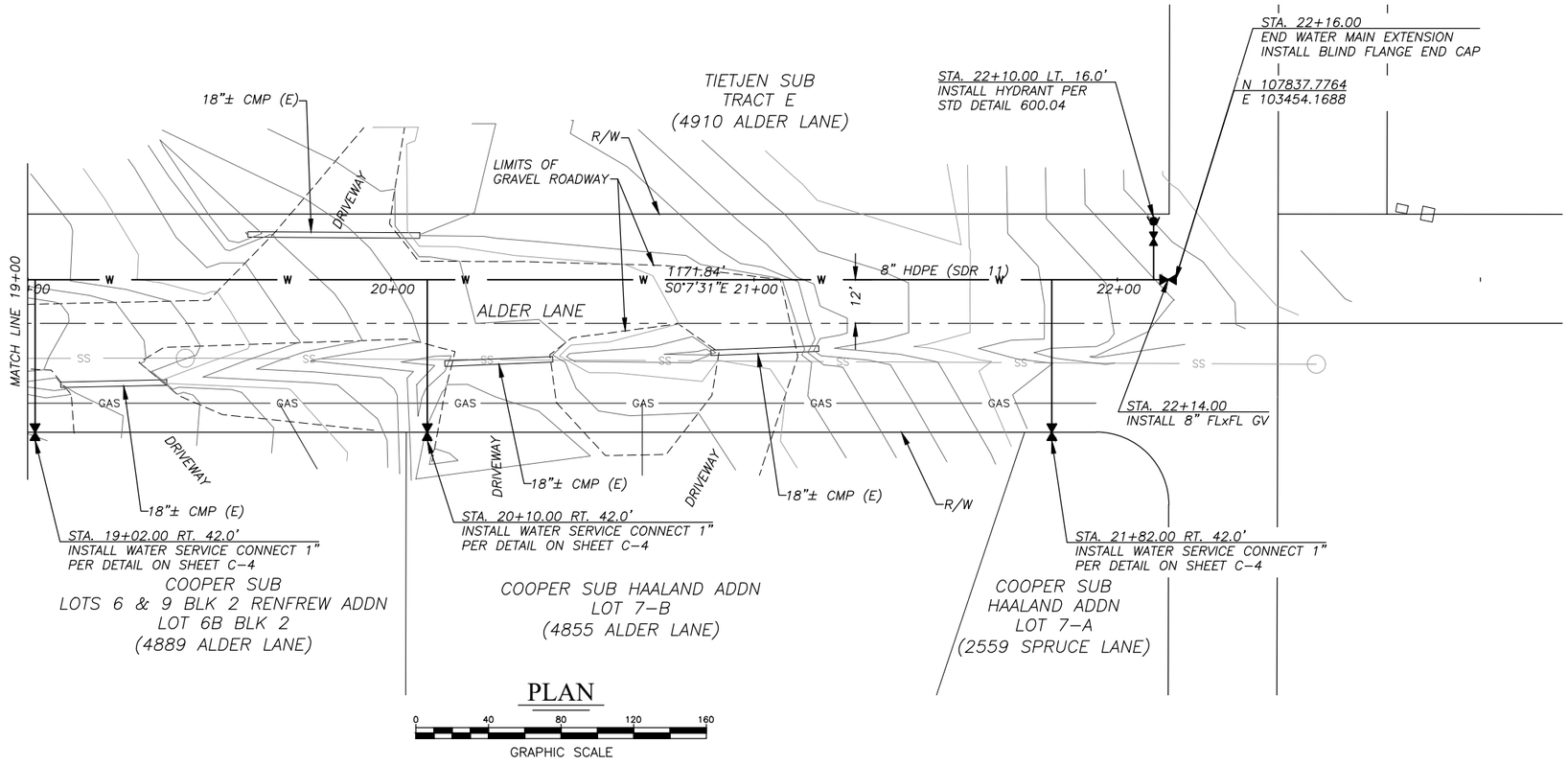
## WATER MAIN PLAN + PROFILE

## STA 14+00.00 to 19+00.00

BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
(907) 299-7609

DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

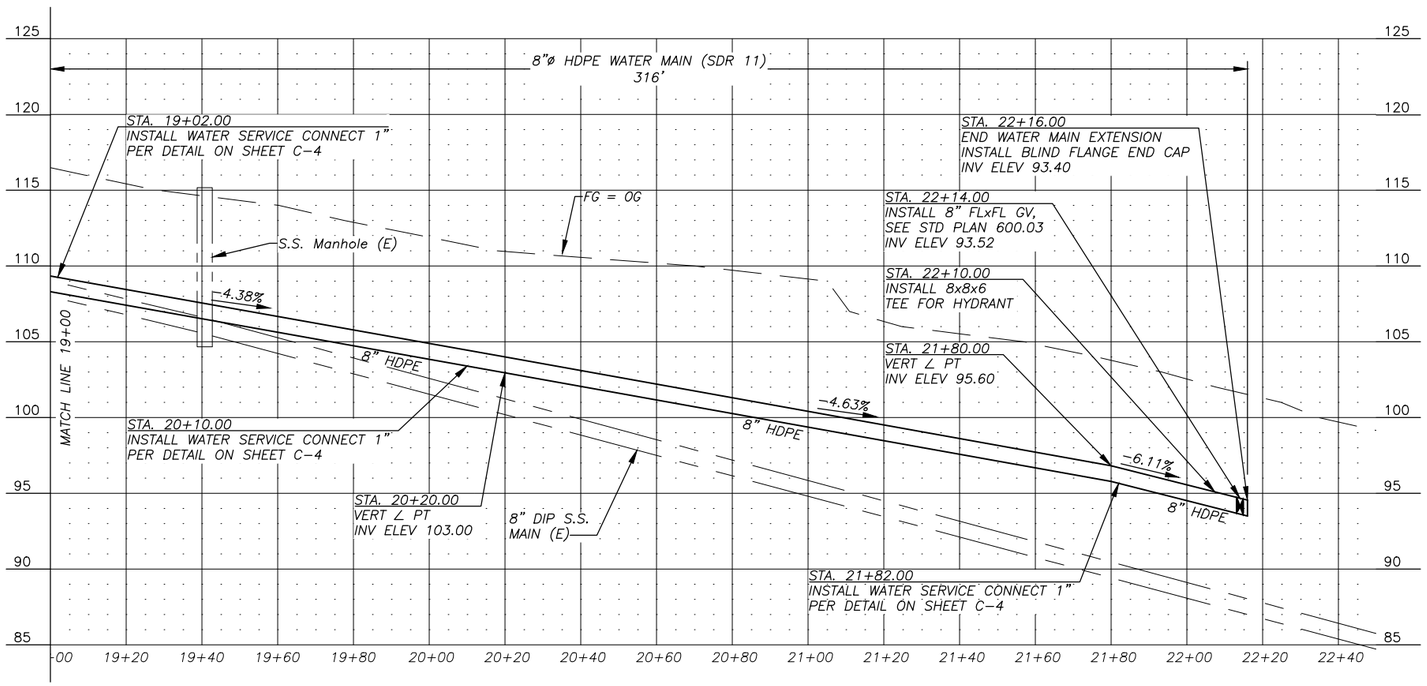
SHEET NO.:
C-2




PLAN

0 40 80 120 160

GRAPHIC SCALE




PROFILE

NOTES:

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

# ALDER LANE WATER MAIN EXTENSION

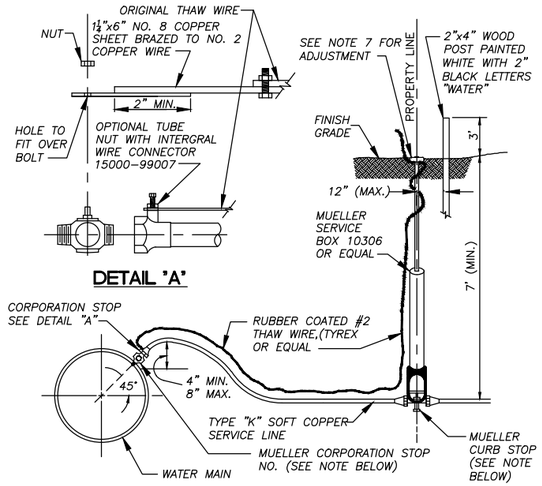
## WATER MAIN PLAN + PROFILE

## STA 19+00.00 to 22+16.00

BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
(907) 299-7609

DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

SHEET NO.: C-3

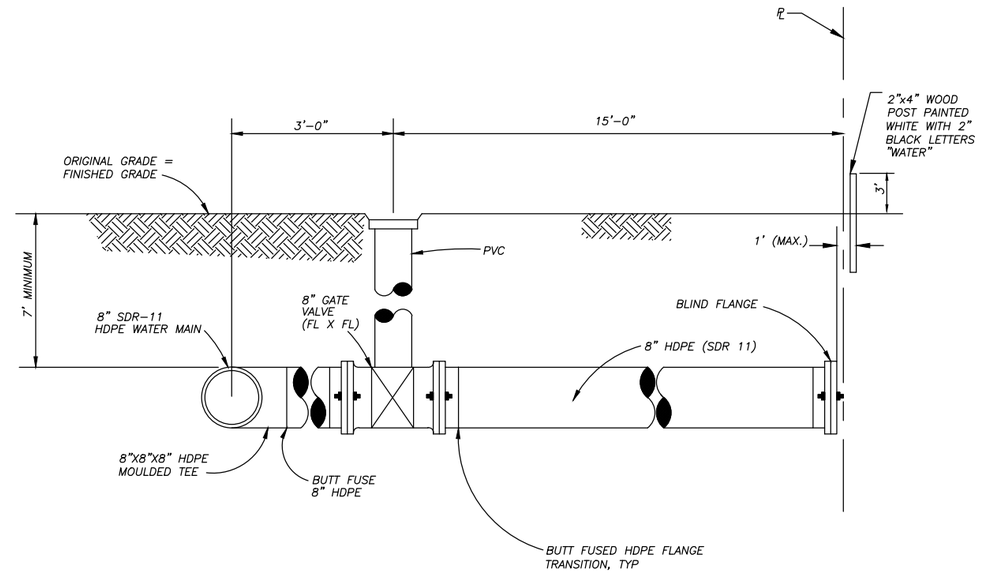



NOTES:

1. USE MUELLER CORPORATION STOP NO. 15025 FOR PIPE–THREAD SADDLES.
2. USE MUELLER CORPORATION STOP NO. 15000 FOR STEEL PIPE.
3. USE MUELLER CURB STOP NO. H–15204 OR EQUAL FOR COPPER TO COPPER CONNECTIONS.
4. ROD TO BE ATTACHED TO CURB STOP WITH NO. 6 GAUGE COPPER WIRE, NO SUBSTITUTIONS.
5. MUELLER SERVICE CLAMPS TO BE USED ON ALL PLATIC PIPE, DOUBLE STRAP OR EQUAL.
6. HDPE MAINLINES SHALL UTILIZE A SIDEWALL BRANCH SADDLE WITH INTEGRAL BRASS CC THREAD INSERT TO RECEIVE CORPORATION STOP.
7. CURB BOX FINISH ELEVATION SHALL BE AS FOLLOWS:
   - PAVED AREA 0.5" BELOW FINISH GRADE
   - GRAVEL AREA 1" TO' 3" BELOW FINISH FRADE
   - YARD/UNDEVELOPED AREA 0" TO 3" ABOVE FINISH GRADE

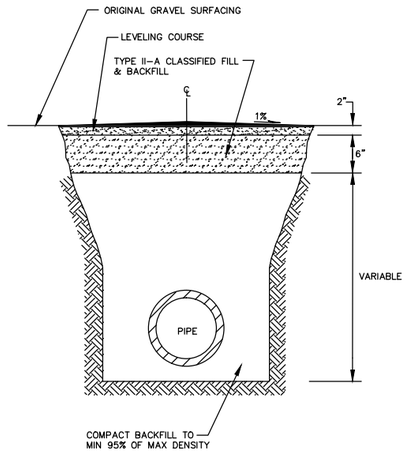
## WATER SERVICE CONNECT 1"ø

NOT TO SCALE




## FIRE SERVICE

NOT TO SCALE

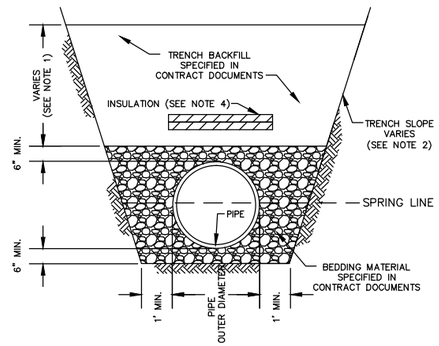



NOTE:

1. CONTRACTOR SHALL CONSTRUCT A 1% CROWN WITH THE PEAK CENTERED OVER THE CENTERLINE OF THE EXCAVATION.

## RESURFACING DETAIL GRAVEL SURFACE

NOT TO SCALE




NOTES:

1. TRENCH BACKFILL MATERIAL PLACED AND COMPACTED TO DEPTHS SHOWN IN THE DRAWINGS OR AS DETERMINED BY ENGINEER. COMPACT TRENCH BACKFILL TO A MINIMUM OF 95% MAXIMUM DENSITY.
2. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
3. BACKFILL SHALL BE FREE OF CLAYS AND ORGANIC MATERIALS.
4. WHEN SPECIFIED IN CONTRACT DOCUMENTS, SEE STANDARD DETAIL 20–9 FOR INSULATION DETAILS.

## TRENCH BACKFILL AND BEDDING LAYOUT

NOT TO SCALE

NOTES:

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


STATE OF ALASKA
49TH
JOHN S. BISHOP
CE 10993
REGISTERED PROFESSIONAL ENGINEER


# ALDER LANE WATER MAIN EXTENSION

## CONSTRUCTION DETAILS


BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
(907) 299–7609


DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

SHEET NO.:
C–4

## 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 |
| 600.03 | TYPICAL VALVE BOX |
| 600.04 | SINGLE PUMPER "L" BASE HYDRANT ASSEMBLY |
| 600.05 | HYDRANT GUARD POSTS |
| 600.06 | FIRE HYDRANT ACCESS PAD |
| 600.10 | GATE VALVE EXTENSION ROD |

## LEGEND & SYMBOLS

EDGE EXISTING GRAVEL

CUT CATCH LINE

FILL CATCH LINE

CENTERLINE 7+00

UNDERGROUND ELECTRIC UGE

OVERHEAD ELECTRIC OHE

UNDERGROUND TELEPHONE UGT

WATER MAIN W

SANITARY SEWER SS

CONTOURS MAJOR 85

CONTOURS MINOR

TEST PIT LOCATION TP-1

SIGN

PIPE CULVERT W/ END SECTION

FIRE HYDRANT

VALVE OR RISER

EXISTING VALVE OR RISER

PRESSURIZED SEWER SERVICE POLY VALVE ▼

*NOTES:*

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

## ABBREVIATIONS

| | |
|---|---|
| AKDOT&PF | ALASKA DEPT. OF TRANSPORTATION & PUBLIC FACILITIES |
| ASDS | ALASKA SIGN DESIGN SPECIFICATIONS |
| APDES | ALASKA POLLUTION DISCHARGE ELIMINATION SYSTEM |
| △ | DELTA / CENTRAL ANGLE OF CURVE |
| BP | BEGIN PROJECT |
| C/L | CENTERLINE |
| CMP | CORREGATED METAL PIPE |
| CO | CONTRACTING OFFICER |
| COH | CITY OF HOMER |
| CY | CUBIC YARD |
| DIA | DIAMETER |
| DIST | DISTANCE |
| E | EASTING |
| EL | ELEVATION |
| ELEV | ELEVATION |
| EP | END PROJECT |
| ESMT | EASEMENT |
| (E) | EXISTING |
| FL | FLANGE |
| FT | FOOT |
| GV | GATE VALVE |
| HDPE | HIGH-DENSITY POLYETHYLENE |
| IN | INCH |
| INV | INVERT |
| L | LENGTH OF CURVE |
| LF | LINEAR FOOT |
| LT | LEFT |
| MIN | MINIMUM |
| MAX | MAXIMUM |
| MJ | MECHANICAL JOINT |
| MPH | MILES PER HOUR |
| MSF | 1000 SQUARE FEET |
| MUTCD | MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES |
| N | NORTHING |
| OHE | OVERHEAD ELECTRIC |
| PC | POINT OF CURVATURE |
| PI | POINT OF INTERSECTION |
| PRC | POINT OF REVERSE CURVATURE |
| PVC | POINT OF VERTICAL CURVATURE |
| PVI | POINT OF VERTICAL INTERSECTION |
| PVT | POINT OF VERTICAL TANGENCY |
| PT | POINT OF TANGENCY |
| R | RADIUS |
| RT | RIGHT |
| R/W | RIGHT-OF-WAY |
| SEC | SECTION |
| SI | STREET INTERSECTION |
| SF | SQUARE FOOT |
| SMH | SEWER MANHOLE |
| S.S. | SANITARY SEWER |
| STA. | STATION |
| STD | STANDARD |
| SY | SQUARE YARD |
| UGE | UNDERGROUND ELECTRIC |
| UGT | UNDERGROUND TELEPHONE |
| UTIL | UTILITY |
| TYP. | TYPICAL |
| W | WATER MAIN OR SERVICE |

## CONSTRUCTION NOTES

1. CONTRACTOR SHALL COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF HOMER STANDARD SPECIFICATIONS 2011 EDITION INCLUDING ITEMS. DRAWINGS, TECHNICAL SPECIFICATIONS, AND SPECIAL PROVISIONS TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS CONTAINED IN LOCAL, STATE AND FEDERAL PERMITS OBTAINED BY THE CITY FOR CONSTRUCTION OF THIS PROJECT. COPIES OF THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
3. CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL MAINTAIN THE "REDLINES" CURRENT ON A DAILY BASIS WHICH SHALL BE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOB SITE. CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWINGS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD.
4. ALL IMPORTED MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T 180.
5. LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND UTILITY COMPANY LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
6. UNDERGROUND ELECTRICAL AND TELECOMMUNICATIONS LINES OCCUR WITHIN THE PROJECT AREA: CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING UNDERGROUND LINES SHALL COMPLY WITH THE APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
7. THIS PROJECT IS REQUIRED TO BE CONSTRUCTED IN ACCORDANCE WITH THE APDES GENERAL CONSTRUCTION PERMIT FOR STORM WATER POLLUTION. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OD THE PERMIT.
8. ALL DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET.
9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
10. LIMITS OF EXCAVATION AND BACKFILL SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
11. CONTRACTOR SHALL CONSTRUCT EROSION CONTROL DEVICES AS SHOWN IN THE PLANS AND PROCEDURES AND REQUIREMENTS DOCUMENTED IN THE SWPPP PERMIT.
12. IF CONTAMINATED SOIL, GROUNDWATER, OR FREE-PRODUCT ARE ENCOUNTERED, THE CONSTRUCTION CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER WHO WILL IMMEDIATELY CONTACT THE ADEC PREVENTION AND EMERGENCY RESPONSE (PERP) OFFICE STAFF AT (907) 465-5340 / FAX (907) 465-2237 IN ACCORDANCE WITH SPILL REPORTING REQUIREMENTS UNDER 18 AAC 75.300, AND COORDINATE MANAGEMENT OF ALL CONTAMINATED MEDIA WITH EMERGENCY RESPONSE PERSONNEL.
13. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE PIPE MATERIAL IS CERTIFIED TO CONFORM TO ANSI/NSF STANDARD 61.
14. THE CONTRACTOR SHALL REDUCE THE CONCENTRATION OF RESIDUAL CHLORINE IN THE FLUSHED WATER BY NEUTRALIZATION BEFORE THE WATER IS RELEASED OVERLAND OR TO ANY CREEKS, STREAMS, AND TEMPORARY OR PERMANENT DRAINAGE SWALES OR DITCHES. THE RESIDUAL CHLORINE LEVEL BEFORE RELEASE SHALL NOT EXCEED 19 PPB (PARTS PER BILLION). THE PROCEDURE USED TO ADD AND MIX THE NEUTRALIZING AGENT INTO THE FLUSHED WATER SHALL ACHIEVE A THOROUGHLY AND EVENLY MIXED SOLUTION. MEASUREMENTS OF RESIDUAL CHLORINE SHALL BE TAKEN AT THE POINT OF RELEASE FROM THE NEWLY INSTALLED WATER SYSTEM INTO THE NEUTRALIZING CHAMBER AND AT THE POINT OF RELEASE FROM THE CONTRACTOR'S CONTROL AT 10 MINUTE INTERVALS OR MORE FREQUENTLY AS DIRECTED BY THE ENGINEER. ACCEPTABLE AGENTS FOR NEUTRALIZATION INCLUDE:

    A. CALCIUM THIOSULFATE,

    B. ASCORBIC ACID, OR

    C. SODIUM ASCORBATE.

    THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS ON THE AMOUNTS OF AGENT ADDED TO THE FLUSHED WATER BASED ON THE RESIDUAL CHLORINE CONCENTRATION MEASURED AT THE POINT OF RELEASE FROM THE NEWLY INSTALLED WATER SYSTEM INTO THE NEUTRALIZING CHAMBER.
15. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE CHEMICAL ADDITIVE FOR DISINFECTION IS CERTIFIED TO CONFORM TO ANSI/NSF STANDARD 60.
16. DISCHARGES OF EFFLUENT FROM HYDROSTATIC TESTING AND DISINFECTION SHALL CONFORM SECTIONS 4.0 "CONTROL MEASURES", 5.1 "LAND DISPOSAL DISCHARGES OF HYDROSTATIC TESTING", AND 6.0 "REPORTING AND RECORDKEEPING" OF THE ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM "GENERAL PERMIT FOR HYDROSTATIC AND AQUIFER PUMP TESTING" PERMIT NUMBER AKG003000.

STATE OF ALASKA 49TH JOHN S. BISHOP 12036 REGISTERED PROFESSIONAL ENGINEER

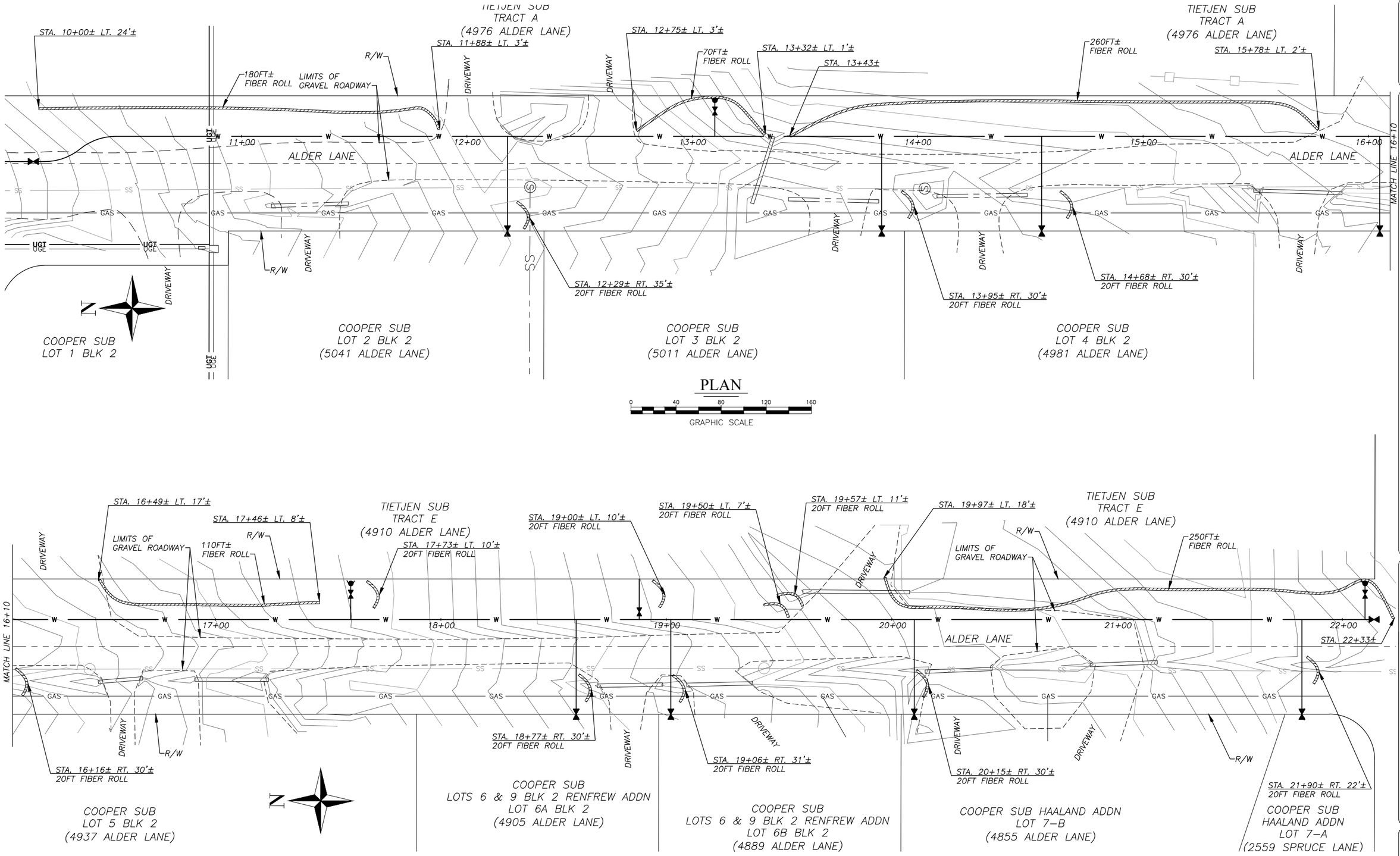
# ALDER LANE WATER MAIN EXTENSION

CONSTRUCTION NOTES1

BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
(907) 299-7609

DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

SHEET NO.:
C-5




NOTES:

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

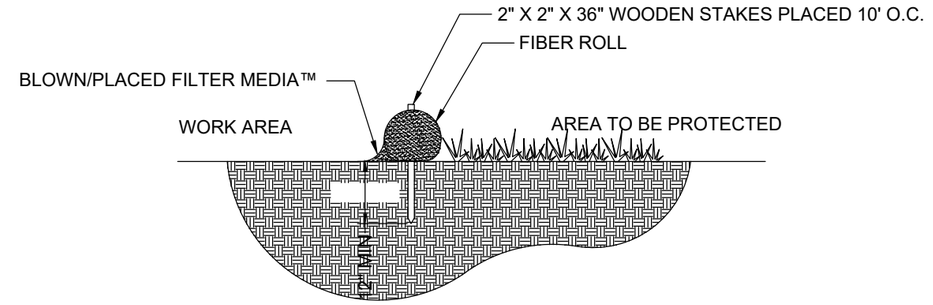
# ALDER LANE WATER MAIN EXTENSION

## EROSION CONTROL PLAN

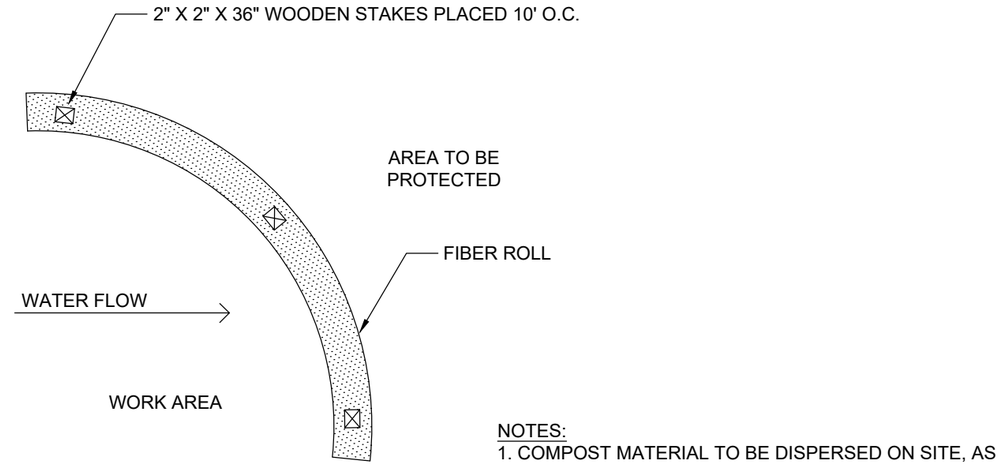

BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
(907) 299–7609


DATE: 1/30/2021
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2021002

SHEET NO.: C–6




**SECTION** NTS




NOTES:
1. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**PLAN** NTS

# FIBER ROLL SEDIMENT CONTROL

NTS

*NOTES:*

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

STATE OF ALASKA 49TH
JOHN S. BISHOP
CE 10993
REGISTERED PROFESSIONAL ENGINEER

*ALDER LANE WATER MAIN EXTENSION*

*EROSION CONTROL DETAILS*

*BISHOP ENGINEERING, LLC*
*PO BOX 2501 HOMER, ALASKA 99603*
*(907) 299–7609*

*DATE:* 1/30/2021
*CHK'D:* JSB
*SCALE:* AS NOTED
*PROJ. NO.:* 2021002

*SHEET NO.:*
C–7

# ENGINEER'S CONSTRUCTION ESTIMATE

| | | | | | |
|---|---|---|---|---|---|
| | AS-BUILT ESTIMATE | | 95% PLAN ESTIMATE | X | GENERAL PLAN ESTIMATE (35%) |

| | |
|---|---|
| **IN EST:** | |
| **OUT EST:** | |

| | |
|---|---|
| **PROJECT NAME:** | Alder Lane Water Main Extension |
| **DESCRIPTION:** | Install 8" HDPE main extension along Alder Lane, three hydrants, and 9 services. |
| **PRICES BY :** | Quiet Creek Sub Estimate base with 3 yr cost inflation |
| **QUANTITIES BY:** | John S. Bishop |
| **CHECKED BY:** | |

| | |
|---|---|
| **LOCATION:** | Homer, AK |
| **DEPTH** | N/A |
| **LENGTH** | 1220 LF |
| **WIDTH** | N/A |
| **AREA** | N/A |
| **DATE:** | 1/22/2021 |
| **DATE:** | 1/22/2021 |
| **DATE:** | |

| | CONSTRUCTION ITEM (FURNISH AND INSTALL UNO) | QUANTITY | UNIT PRICE | UNIT | ITEM COST |
|---|---|---|---|---|---|
| 1 | 8" HDPE SDR 11 pipe furnish and install | 1,220 | $ 80.00 | LF | $ 97,600.00 |
| 2 | Single Pumper Hydrant | 3 | $ 9,000.00 | EA | $ 27,000.00 |
| 3 | 1" Water Service Connection (near side) | 1 | $ 2,500.00 | EA | $ 2,500.00 |
| 4 | 1" Water Service Connection (far side) | 8 | $ 3,500.00 | EA | $ 28,000.00 |
| 5 | | | | | $ - |
| 6 | | | | | $ - |
| 7 | | | | | $ - |
| 8 | | | | | $ - |
| 9 | | | | | $ - |
| 10 | | | | | $ - |
| 11 | | | | | $ - |
| 12 | | | | | $ - |
| 13 | | | | | $ - |
| 14 | | | | | $ - |
| 15 | | | | | $ - |
| 16 | | | | | $ - |
| 17 | | | | | $ - |
| 18 | | | | | $ - |
| 19 | | | | | $ - |
| 20 | | | | | $ - |
| 21 | | | | | $ - |
| 22 | | | | | $ - |
| 23 | | | | | $ - |
| 24 | | | | | $ - |
| 25 | | | | | $ - |
| 26 | | | | | $ - |
| 27 | | | | | $ - |
| 28 | | | | | $ - |
| 29 | | | | | $ - |
| 30 | | | | | $ - |

Comments

| | | | |
|---|---|---|---|
| SUBTOTAL | | $ | 155,100.00 |
| MOBILIZATION | 10% | $ | 15,510.00 |
| CONTIGENCIES | 25% | $ | 38,775.00 |
| TOTAL | | $ | 209,385.00 |

| | DESCRIPTION | PRICE | UNIT | COST |
|---|---|---|---|---|
| DEMOLITION | | | | |

**City of Homer**
*www.cityofhomer-ak.gov*

Public Works
3575 Heath Street
Homer, AK 99603
publicworks@cityofhomer-ak.gov
(p) 907- 235-3170
(f) 907-235-3145

# Memorandum

TO: City Council

Through: Robert Dumouchel, City Manager

FROM: Janette Keiser, PE, Director of Public Works

DATE: February 3, 2021

SUBJECT: Mt. Augustine Road Drainage Improvement Project – 35% Design

**Issue:** The design for the Mt. Augustine Road Drainage Improvement Project Woodard Creek Culvert Project is currently at 35% development. The purpose of this Memorandum is to discuss the progress and identify issues.

**Background**: The intent of the project is to capture water flowing near the intersection of Mt. Augustine Road and the Sterling Highway and convey it to a *"naturally occurring ravine, gully, watercourse or runnel"*, pursuant to Resolution 20-098, adopted October 12, 2020. The City Council appropriated $97,000 from the HART Roads Fund for this project, via Ordinance 20-85, adopted November 9, 2020.

The City issued a contract to design the project Nelson Engineering, a Kenai firm with extensive experience in road and drainage improvement design, including projects for the City of Homer. Nelson has progressed the design the 35% level, which is not enough to build from, but enough to envision what the project will look like, get a more reliable cost and identify issues. For example, this level of design allows us to understand the probable downstream impacts of the proposed drainage.

As part of their scope of work, Nelson Engineering investigated the hydraulic conditions at the intersection of Mt. Augustine Rd. and the Sterling Highway, identified one or more naturally occurring drainage way(s), which could receive the water coming from this intersection, and explored the probable downstream impacts of using said drainage way(s). Then, Nelson Engineering designed a system including 243 feet of culvert and two storm drain manholes to covey the drainage from the intersection to the naturally occurring drainage way selected to receive the drainage. Nelson Engineering also followed the water downstream and made recommendations for downstream improvements that would be needed to accommodate the extra water flow. Finally, Nelson Engineering updated the cost estimate for the culvert/storm drain system.

The estimated cost to construct the culvert/storm drain system is $100,055. The cost of the design/survey effort is $15,639, bringing the total expected project cost to design and construct the basic project to $115,694. Part of the extra cost is due to the need to go around an existing light pole and electrical utilities, which requires us to extend the culvert and install an additional storm drain manhole. This exceeds the amount appropriated by Ordinance 20-85 by $18,694.

This does not include what we may need to do to address downstream impacts, which we are exploring in more detail. We know at least four privately-owned culverts will need to be up-sized and some ditches will need to be deepened and re-graded. It's possible we could do this work in-house using the Small Works Drainage Repair Program, which Council established last year. Further, we want to engage Coble Geophysical Services to investigate the relationship between groundwater flows and the surface drainage in this area, particularly as this relationship affects downstream impacts down to the bluff.

At this point, we are providing information, not asking for additional funds. When we've more thoroughly explored the downstream issues, we will come back to Council to seek direction and if Council wants to proceed, additional funds.

## Engineer's Cost Estimate - Mt. Augustine Drive Drainage 35% Review

**BID SCHEDULE**

| Item Number | Pay Item Description | Unit | Estimated Quantity | Unit Bid Price | Amount Bid |
|---|---|---|---|---|---|
| 101 | Mobilization and Demobilization | Lump Sum | 1 | $ 10,000.00 | $ 10,000.00 |
| 102 | Construction Surveying | Lump Sum | 1 | $ 5,000.00 | $ 5,000.00 |
| 103 | Traffic Maintenance | Lump Sum | 1 | $ 5,000.00 | $ 5,000.00 |
| 203a | Removal of Obstructions (Culvert Pipe) | Linear Foot | 85 | $ 16.00 | $ 1,360.00 |
| 203b | Removal of Obstructions (Storm Drain Manhole) | Each | 1 | $ 1,500.00 | $ 1,500.00 |
| 204(2) | Ditch Excavation | Linear Foot | 50 | $ 5.00 | $ 250.00 |
| 205.00 | Type III Classified Backfill | CY | 20 | $ 40.00 | $ 800.00 |
| 206 | Leveling Course | Ton | 15 | $ 45.00 | $ 675.00 |
| 208 | Compaction Control by the Contractor | Lump Sum | 1 | $ 2,000.00 | $ 2,000.00 |
| 212 | Rip Rap, Class I | Ton | 30 | $ 150.00 | $ 4,500.00 |
| 219 | Remove Existing Pavement | Square Yard | 100 | $ 10.00 | $ 1,000.00 |
| 401 | 2" Asphalt Pavement (Type II), For Roadway | Ton | 12 | $ 160.00 | $ 1,920.00 |
| 708 | Seeding (Type I) | Lump Sum | 1 | $ 1,000.00 | $ 1,000.00 |
| 710 | Topsoil (4") | Lump Sum | 1 | $ 1,000.00 | $ 1,000.00 |
| 711 | Relocate Utilities (Electric) | Lump Sum | 1 | $ 2,000.00 | $ 2,000.00 |
| 802a | Corrugated HDPE Pipe 18 Inch | LF | 35 | $ 120.00 | $ 4,200.00 |
| 802b | Corrugated HDPE Pipe 24 Inch | LF | 210 | $ 145.00 | $ 30,450.00 |
| 802c | Culvert End Section, 24 Inch | Each | 1 | $ 400.00 | $ 400.00 |
| 804 | Storm Drain Manhole (Type I) | Each | 3 | $ 9,000.00 | $ 27,000.00 |
| | Contractor's Name: | | | Total Est.: | $ 100,055.00 |

City of Homer
www.cityofhomer-ak.gov

Port and Harbor
4311 Freight Dock Road
Homer, AK 99603
port@cityofhomer-ak.gov
(p) 907-235-3160
(f) 907-235-3152

# Memorandum

TO: ROB DUMOUCHEL, CITY MANAGER

FROM: BRYAN HAWKINS, HARBORMASTER

DATE: FEBRUARY 11 2021

SUBJECT: FUTURE COAST GUARD SMALL BOAT STATION PLANS FOR HOMER

Informational for City Manager Report-

Two years ago we began talking to Admiral Bell about the future plans for the Coast Guard and Homer. We know that their 110' Cutter Naushon will be decommissioned eventually and we're concerned that we would be losing the asset and 16 jobs out of the community. At that time, with a strategic look at the vessel traffic and needs of the area, the Admiral suggested that it's time for Homer to have a small boat station, which sounds small because of the word "small" but in fact it's kind of a big deal! This would mean faster response vessels for search and rescue and an established permanent station with 24 hour staffing capability.

*(Examples of the new 45' fast response type cutters that would be stationed at the small boat station)*


Last February, when down in Juneau for the legislative Fly-In, the Homer delegation met with the Admiral and his staff to discuss the Port Expansion project and the small boat station. At that time he committed his team to work on the small boat station justifications and application so that he could submit it to Command for consideration.

In our latest correspondence with D17 Juneau it was reported that the project has been approved and signed off on by the Pacific Area Commander, and it will be distributed to whatever other departments are going to have a hand in its establishment. Funding is the problem for a quick resolution to this. As of now, the earliest the funding will be available is 2028, and dates for when construction will begin, or when it will be complete haven't yet been set. Once this project continues through the chain of hands that need visibility on it, it's reported that they will get a clearer picture of the absolutes such as construction dates.

We have forwarded this information on to our lobbyists and plan to ask for support and follow up in our meetings with our Federal Delegation.

## Recommendation

Continued Council and City support for the project and the Coast Guard's presence in Homer, keeping it in the forefront of legislative representative's priorities and any applicable funding or grant opportunities.

Informational