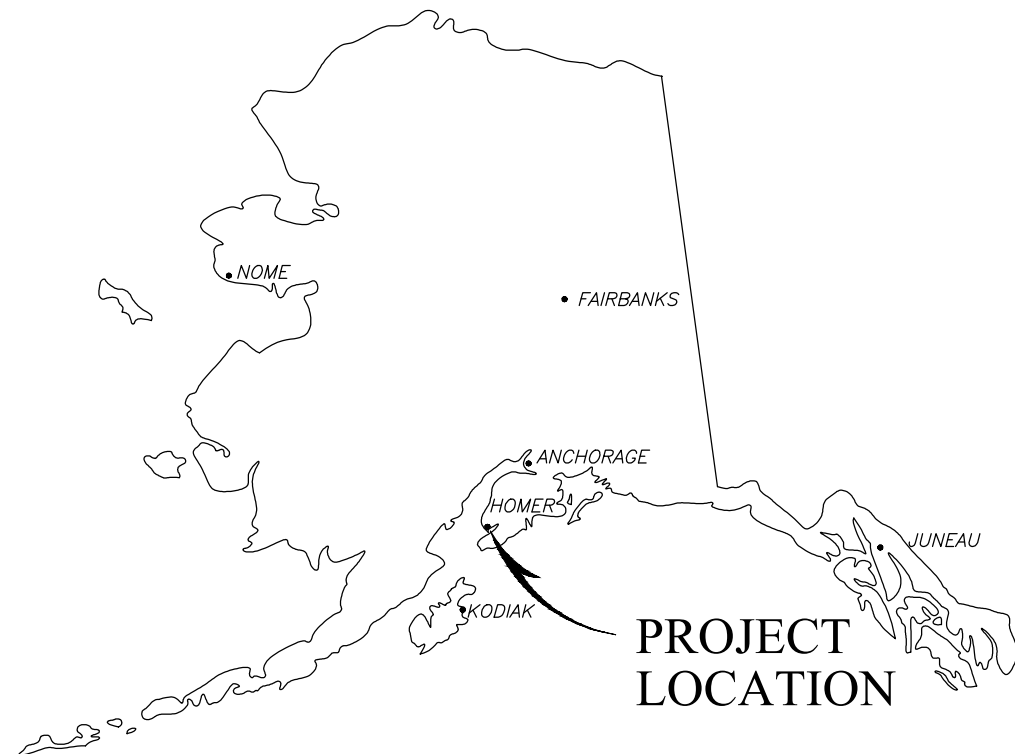


# CITY OF HOMER ALDER LANE WATER MAIN EXTENSION SEPTEMBER 28, 2021



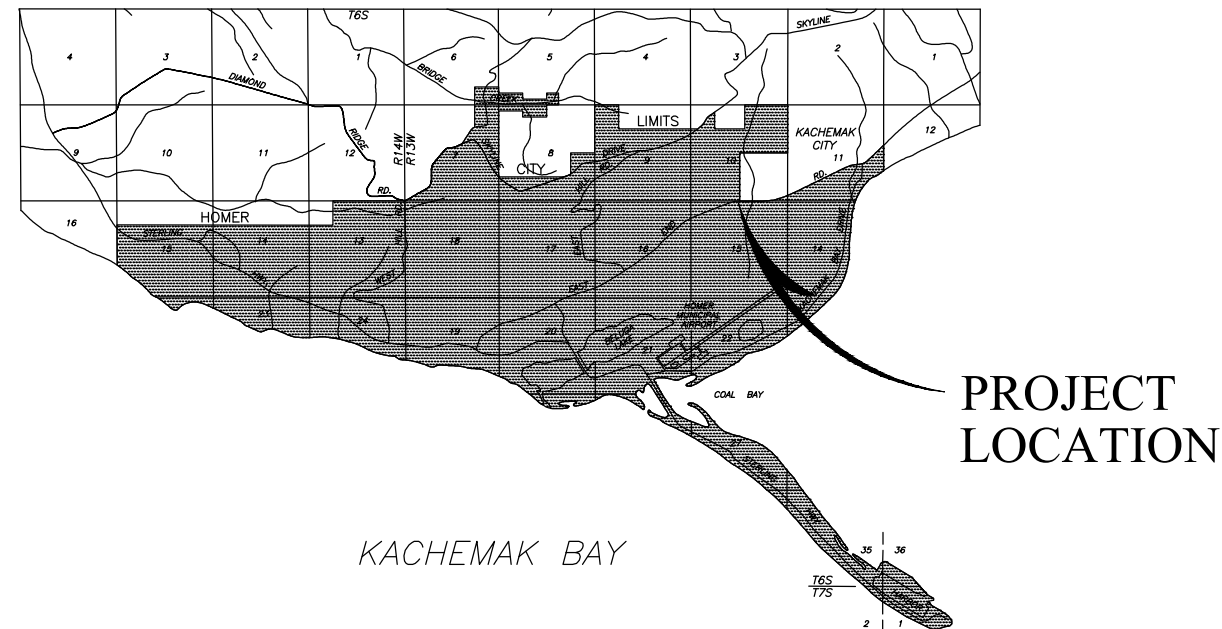
LOCATION MAP

## Homer City Council

Mayor  
Ken Castner

Councilmembers  
Donna Aderhold  
Jason Davis  
Storm Hansen-Cavasos  
Rachel Lord  
Heath Smith  
Caroline Venuti

Public Works Director  
Janette Keiser, PE



HOMER AREA MAP  
SCALE: 1" = 1 MILE

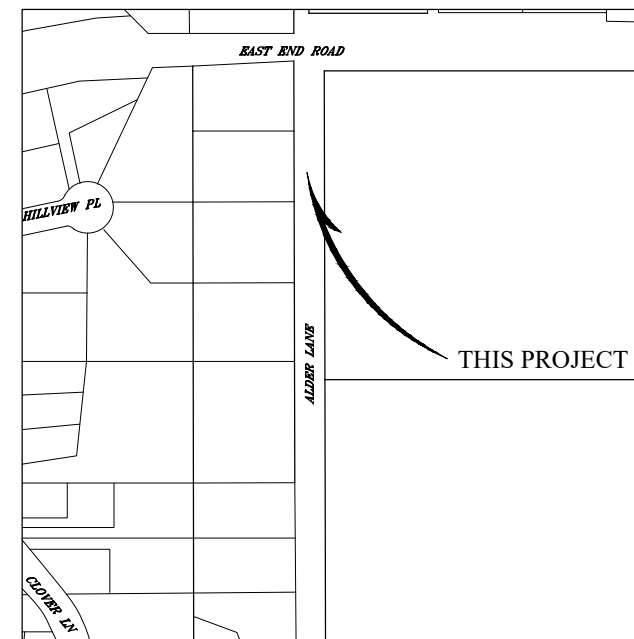
## INDEX TO DRAWINGS

TITLE
WATER MAIN EXTENSION PLAN & PROFILE 10+00.00 TO 14+00.00
WATER MAIN EXTENSION PLAN & PROFILE 14+00.00 TO 19+00.00
WATER MAIN EXTENSION PLAN & PROFILE 19+00.00 TO 22+20.00
CONSTRUCTION DETAILS
CONSTRUCTION NOTES
EROSION CONTROL PLAN
EROSION CONTROL DETAILS

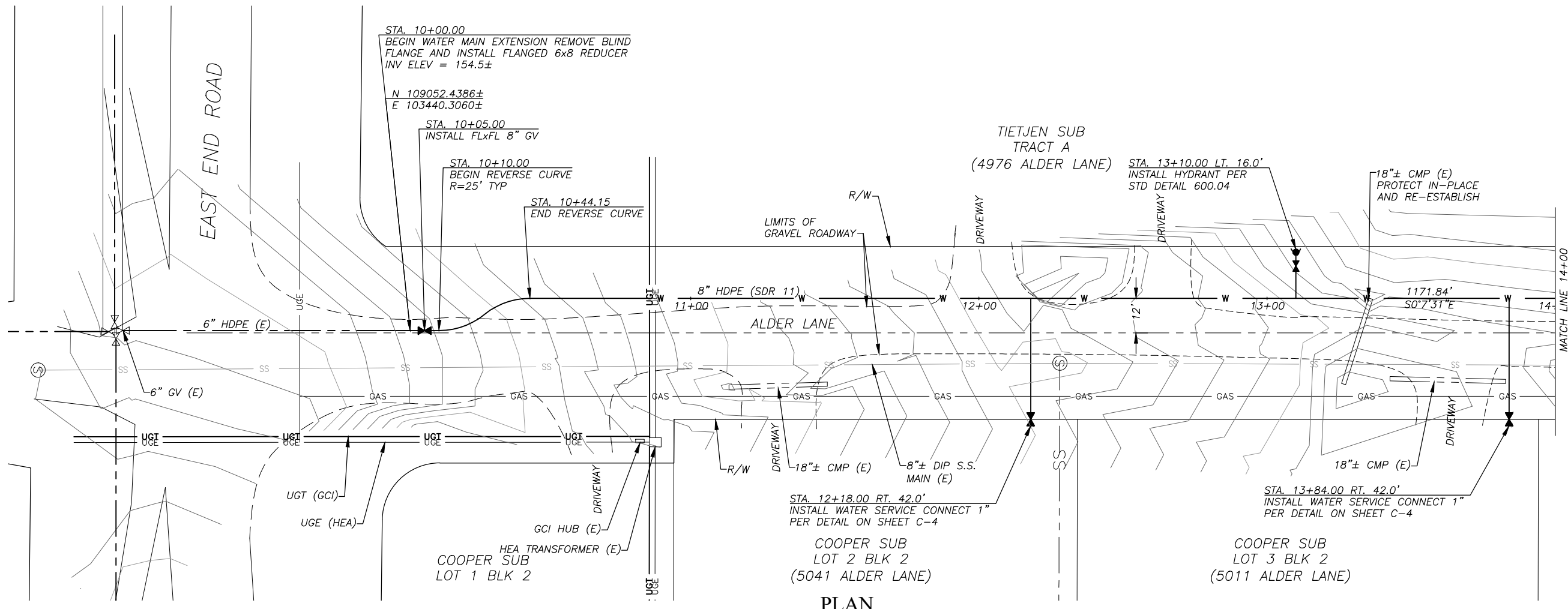
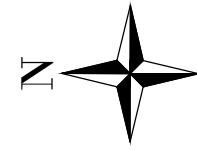
SHEET
C-1
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C-4
C-5
C-6
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Notes:

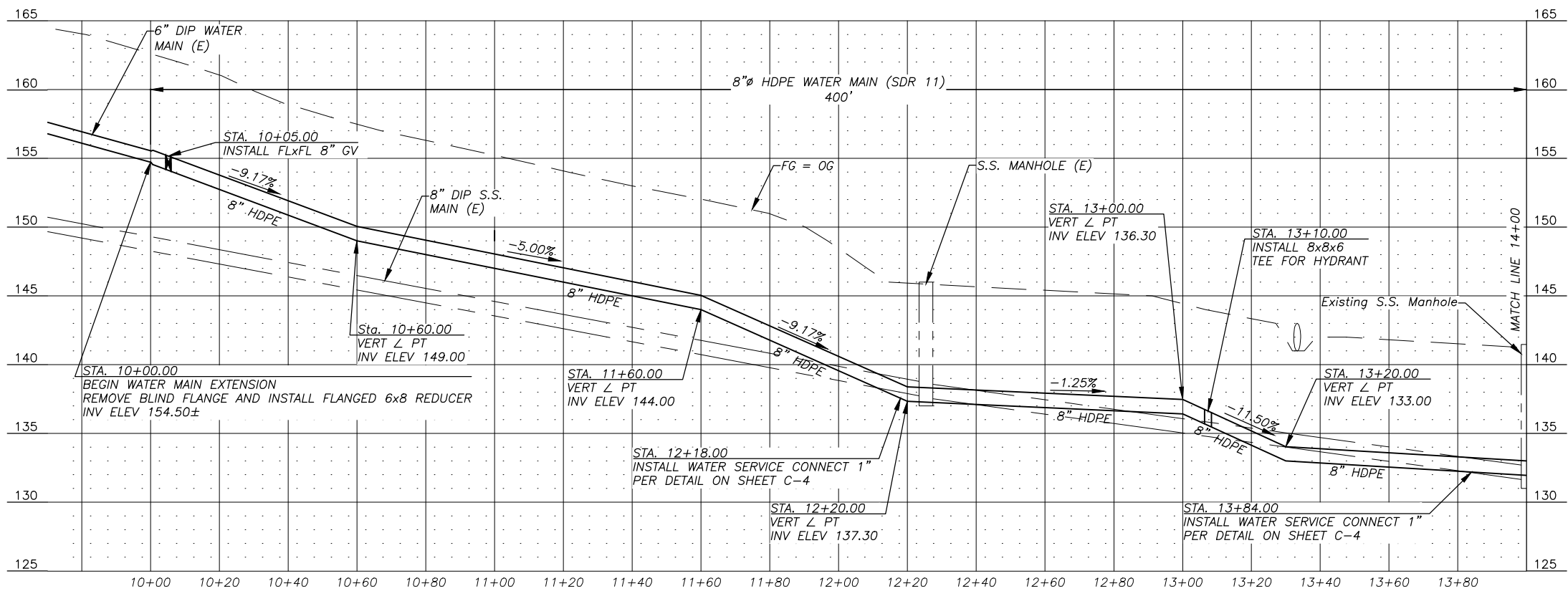
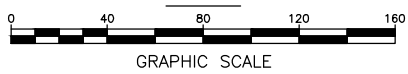
1. BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT: 811, (800) 478-3121, OR (907) 278-3121.
2. THESE PLANS SHALL BE USED IN CONJUNCTION THE CITY OF HOMER "STANDARD CONSTRUCTION DETAILS" IN ADOPTION ON SEPTEMBER 28, 2021.



VICINITY MAP  
SCALE: 1" = 400'



**PLAN**



**PROFILE**

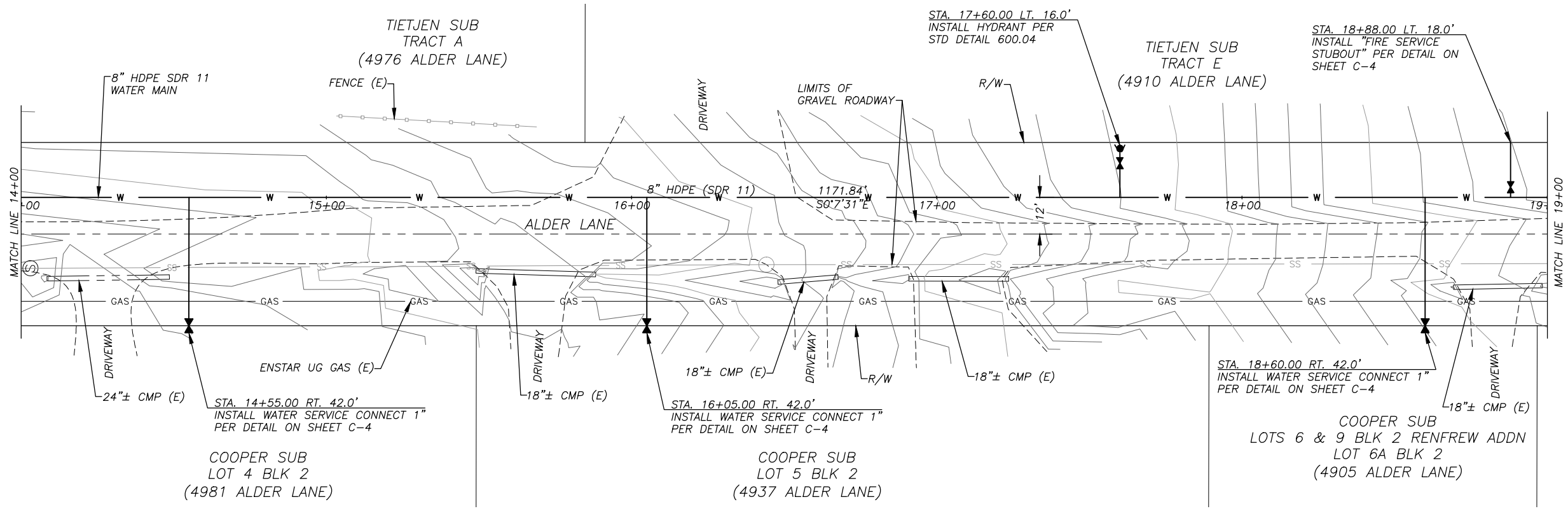
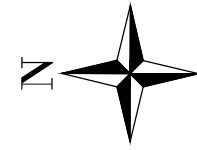
- NOTES:**
- BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.
  - SEE "DETAIL A - STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 134± LINEAR FEET THIS SHEET.
  - SEE "DETAIL B - NON-STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 350± LINEAR FEET THIS SHEET.

**ALDER LANE WATER MAIN EXTENSION  
WATER MAIN PLAN + PROFILE  
STA 10+00.00 to 14+00.00**

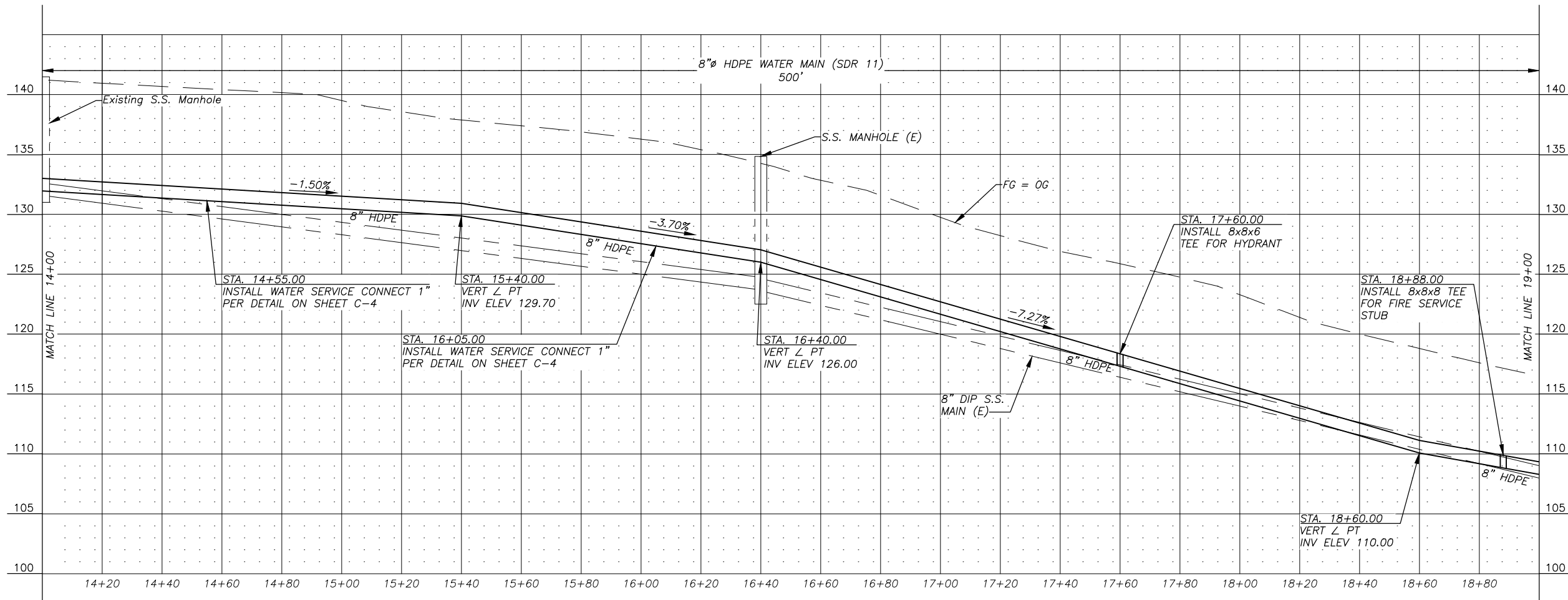
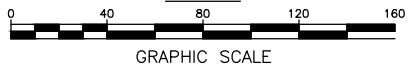
BISHOP ENGINEERING, LLC  
PO BOX 2501 HOMER, ALASKA 99603  
(907) 299-7609

DATE: 9/28/2021  
CHK'D: JSB  
SCALE: AS NOTED  
PROJ. NO.: 2021002

SHEET NO.:  
**C-1**



**PLAN**



**PROFILE**

**NOTES:**

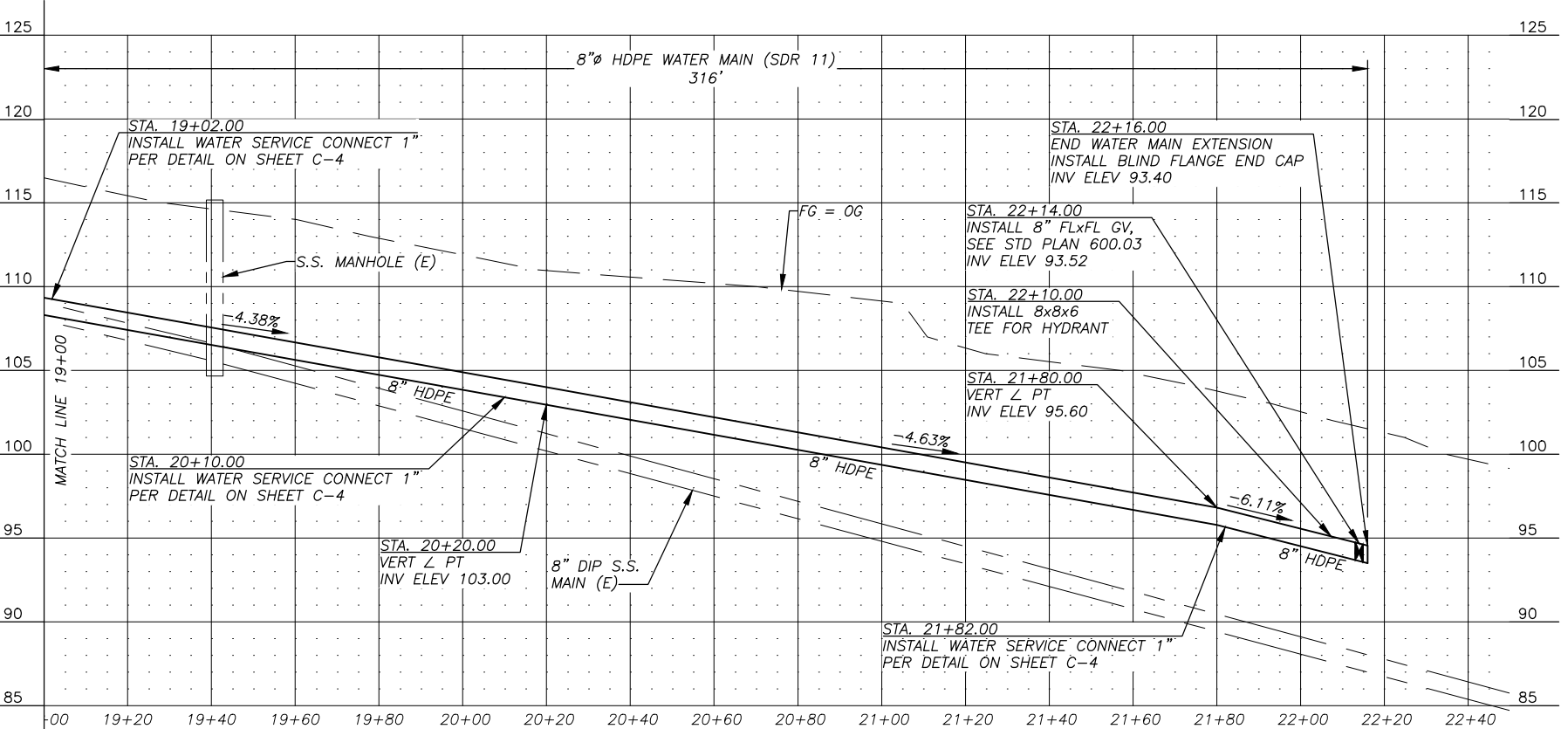
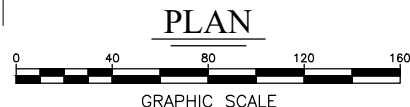
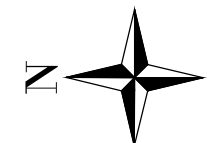
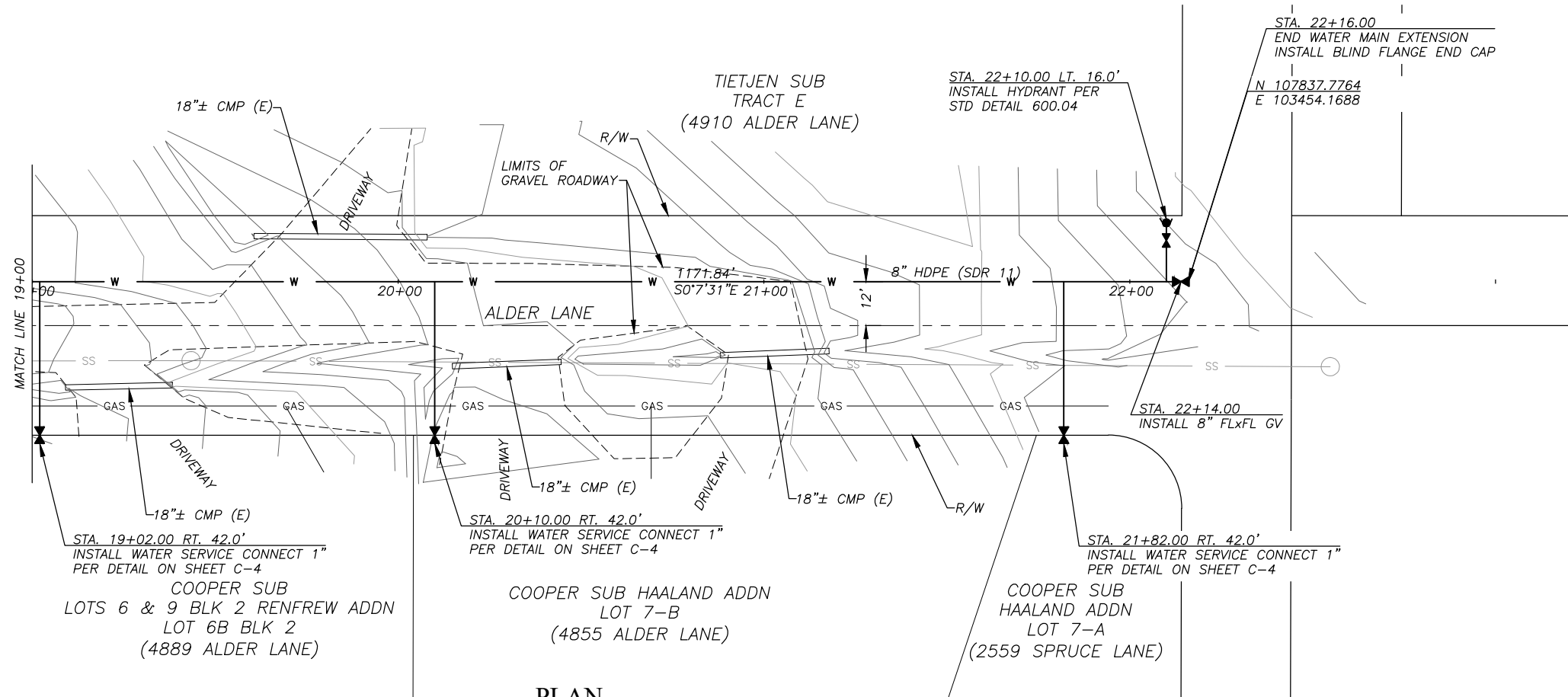
1. BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.
2. SEE "DETAIL A - STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 130± LINEAR FEET THIS SHEET.
3. SEE "DETAIL B - NON-STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 530± LINEAR FEET THIS SHEET.

**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: 9/28/2021  
CHK'D: JSB  
SCALE: AS NOTED  
PROJ. NO.: 2021002

SHEET NO.:  
**C-2**



**NOTES:**

- BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.
- SEE "DETAIL A - STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 190± LINEAR FEET THIS SHEET.
- SEE "DETAIL B - NON-STRUCTURAL TRENCH SECTION" ON SHEET C-4 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 268± LINEAR FEET THIS SHEET.

**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: 9/28/2021  
CHK'D: JSB  
SCALE: AS NOTED  
PROJ. NO.: 2021002

SHEET NO.:  
**C-3**

**PROFILE**



**ALDER LANE WATER MAIN EXTENSION**

**CONSTRUCTION DETAILS**

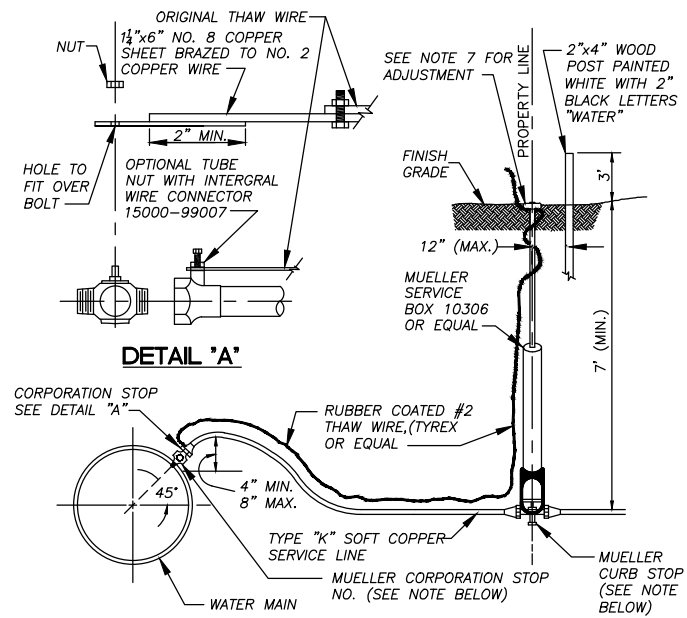
**BISHOP ENGINEERING, LLC**  
PO BOX 2501 HOMER, ALASKA 99603  
(907) 299-7609

DATE: 9/28/2021  
CHK'D: JSB  
SCALE: AS NOTED  
PROJ. NO.: 2021002

SHEET NO.:

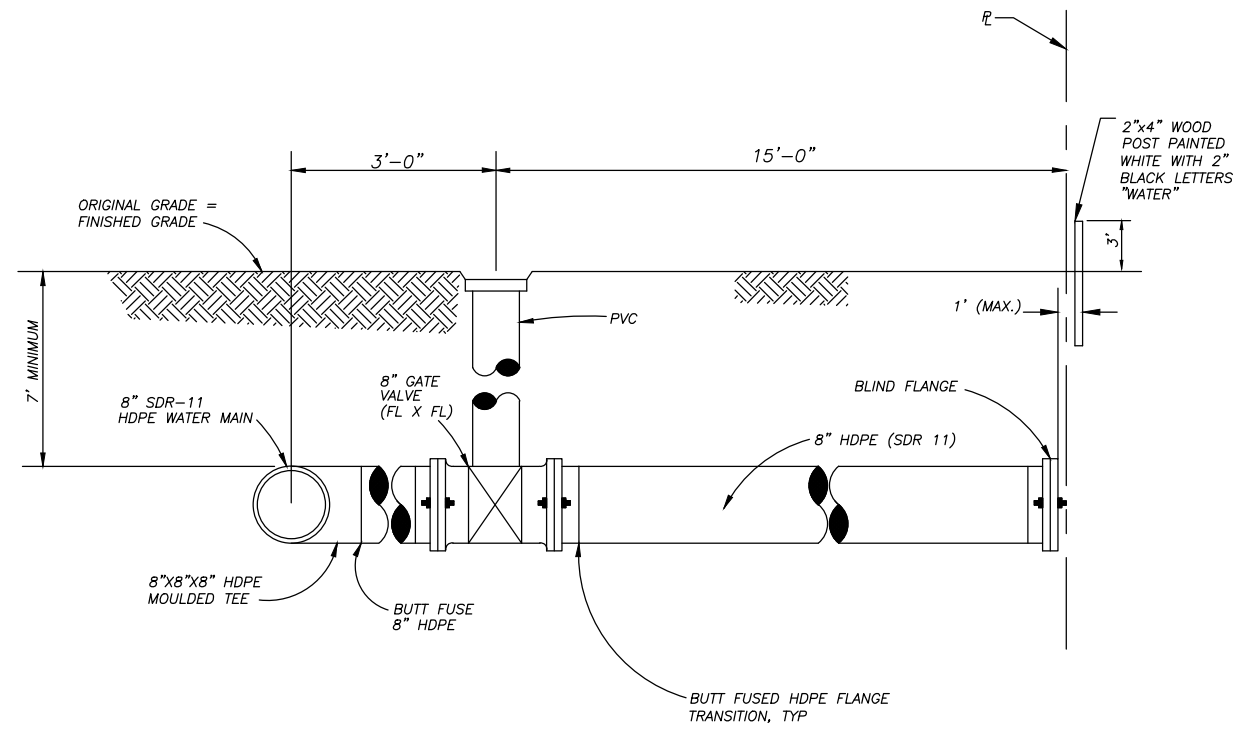
C-4

- NOTES:**
- BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.

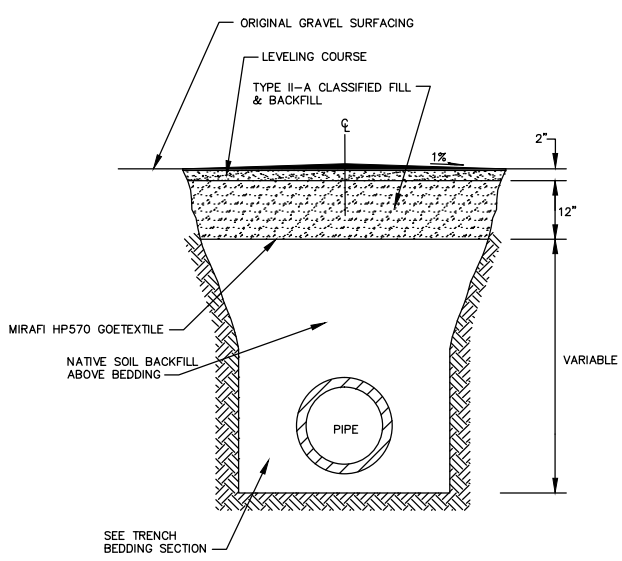


- NOTES:**
- USE MUELLER CORPORATION STOP NO. 15025 FOR PIPE-THREAD SADDLES.
  - USE MUELLER CORPORATION STOP NO. 15000 FOR STEEL PIPE.
  - USE MUELLER CURB STOP NO. H-15204 OR EQUAL FOR COPPER TO COPPER CONNECTIONS.
  - ROD TO BE ATTACHED TO CURB STOP WITH NO. 6 GAUGE COPPER WIRE, NO SUBSTITUTIONS.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

WATER SERVICE CONNECT 1"Ø  
NOT TO SCALE

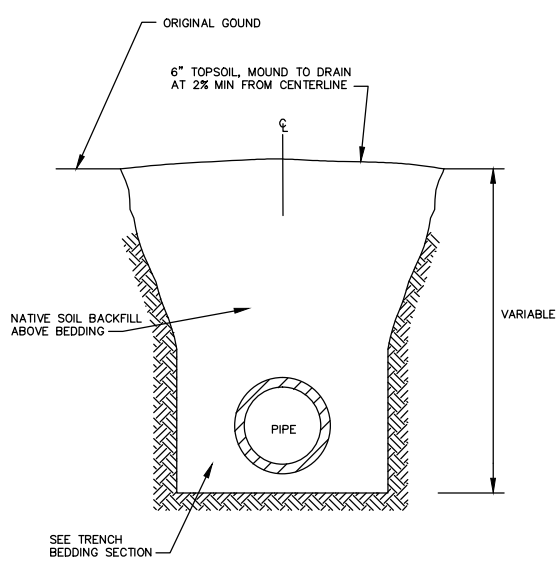


FIRE SERVICE STUBOUT  
NOT TO SCALE

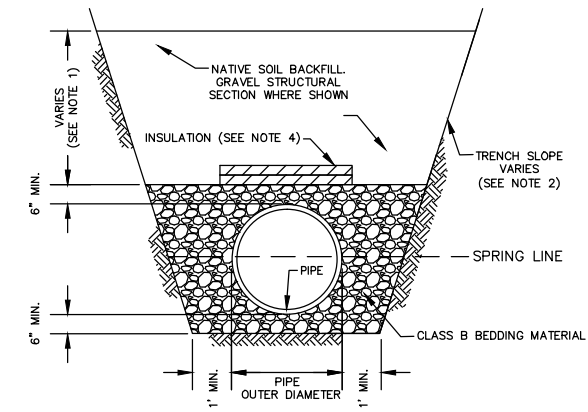


- NOTE:**
- CONTRACTOR SHALL CONSTRUCT A 1% CROWN WITH THE PEAK CENTERED OVER THE CENTERLINE OF THE EXCAVATION.

DETAIL A - STRUCTURAL TRENCH SECTION  
NOT TO SCALE



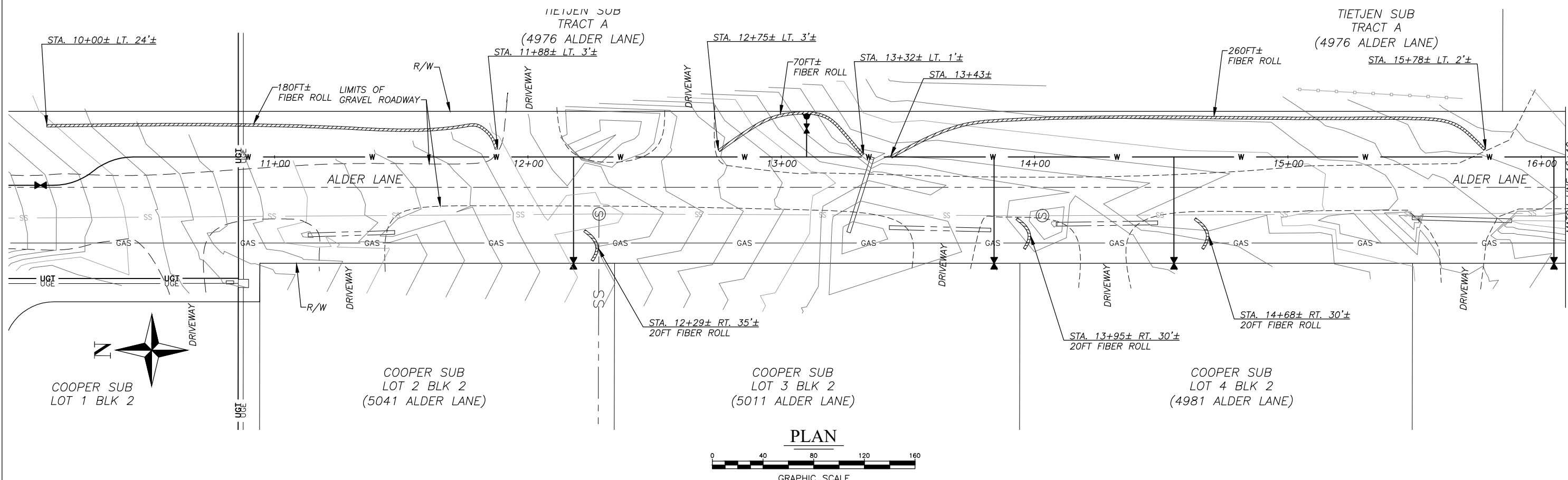
DETAIL B - NON-STRUCTURAL TRENCH SECTION  
NOT TO SCALE



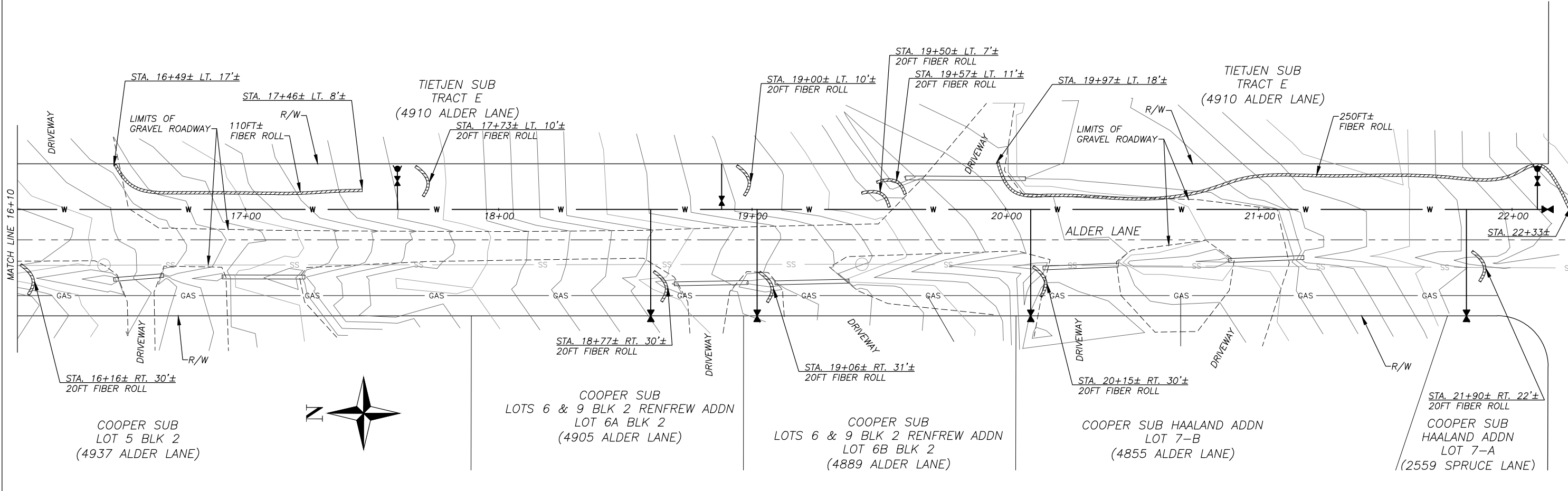
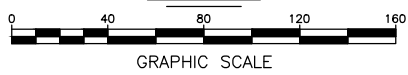
- NOTES:**
- TRENCH BACKFILL MATERIAL PLACED AND COMPACTED TO DEPTHS SHOWN IN THE DRAWINGS OR AS DETERMINED BY ENGINEER. COMPACT TRENCH BACKFILL TO A MINIMUM OF 95% MAXIMUM DENSITY.
  - TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
  - BACKFILL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

TRENCH BEDDING SECTION  
NOT TO SCALE

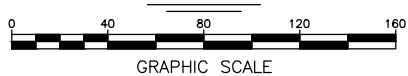




PLAN



PLAN



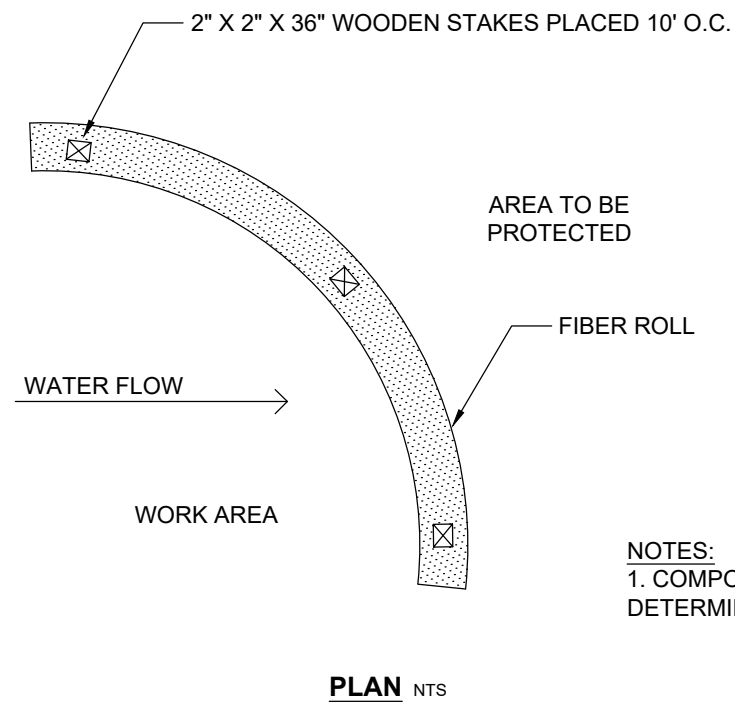
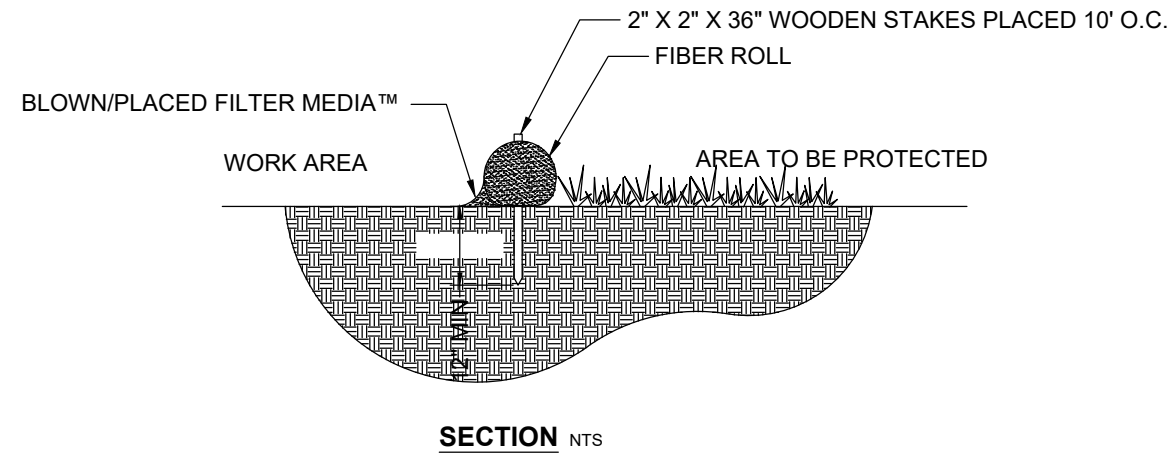
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**ALDER LANE WATER MAIN EXTENSION**  
**EROSION CONTROL PLAN**

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

DATE: 9/28/2021  
 CHK'D: JSB  
 SCALE: AS NOTED  
 PROJ. NO.: 2021002

SHEET NO.:  
**C-6**



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

# FIBER ROLL SEDIMENT CONTROL

## NTS

NOTES:

- BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.

ALDER LANE WATER MAIN EXTENSION

EROSION CONTROL DETAILS

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

DATE: 9/28/2021  
 CHK'D: JSB  
 SCALE: AS NOTED  
 PROJ. NO.: 2021002

SHEET NO.:

C-7