CITY OF HOMER
E BUNNELL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
NOVEMBER 2, 2022

LOCATION MAP

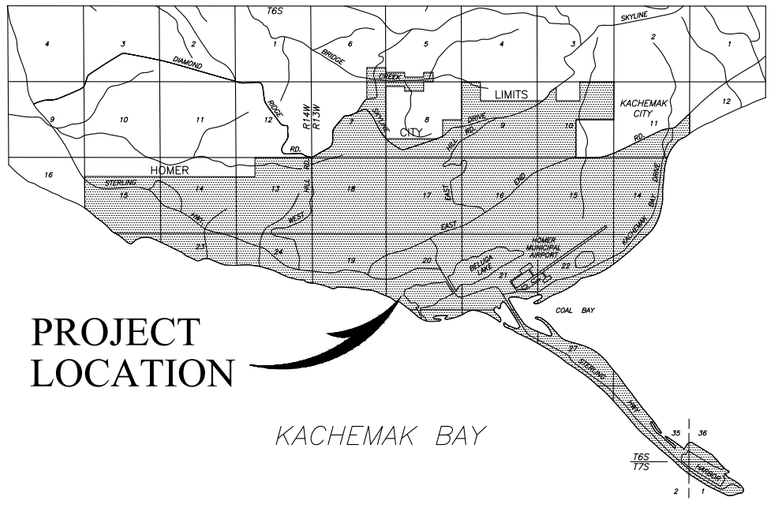
Homer City Council

Mayor
Ken Castner

Councilmembers
Donna Aderhold
Jason Davis
Storm Hansen–Cavasos
Rachel Lord
Shelly Erickson
Caroline Venuti

City Manager
Rob Dumouchel

Public Works Director
Janette Keiser, PE

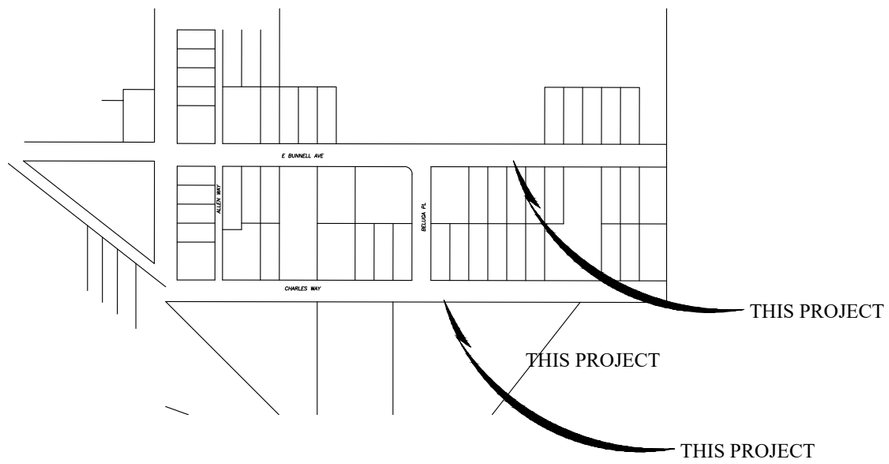


HOMER AREA MAP
SCALE: 1" = 1 MILE

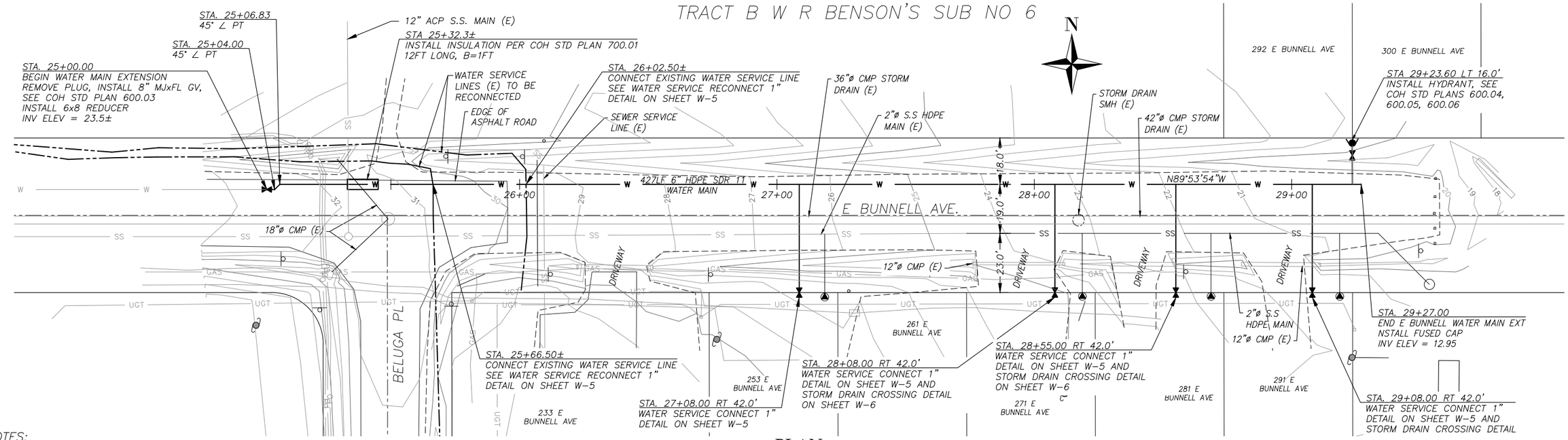
INDEX TO DRAWINGS

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 NOVEMBER 2, 2022.



VICINITY MAP
SCALE: 1" = 200'



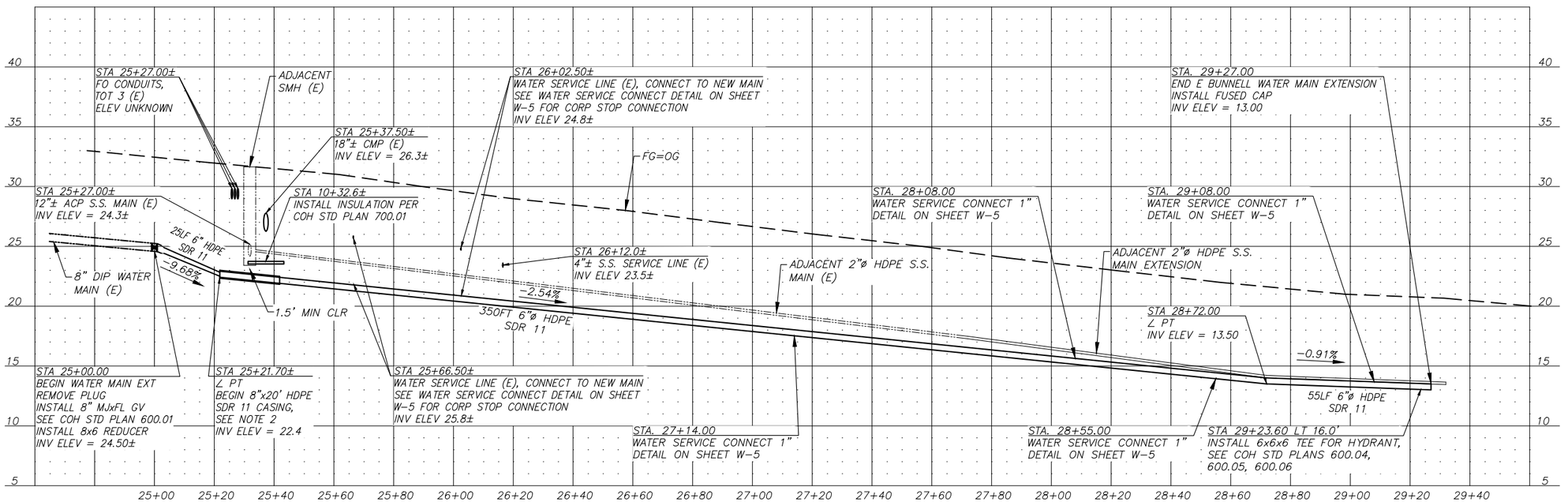
PLAN

0 40 80 120 160

GRAPHIC SCALE

NOTES:

1. BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478–3121, OR (907) 278–3121.
2. CASING SHALL BE CENTERED UNDER EXISTING SEWER MAIN. CONTRACTOR SHALL VERIFY OUTSIDE DIAMETER OF HDPE MAIN PIPE BEFORE ORDERING OR INSTALLING HDPE CASING.
3. SEE "DETAIL A – STRUCTURAL TRENCH SECTION" ON SHEET W–5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 457± LINEAR FEET THIS SHEET.
4. SEE "DETAIL B – NON–STRUCTURAL TRENCH SECTION" ON SHEET W–5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 59± LINEAR FEET THIS SHEET.
5. SEE "DETAIL C – AC PAVEMENT STRUCTURAL TRENCH SECTION" ON SHEET W–5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN AREAS OF ASPHALT SURFACING. TOTAL OF 94± LINEAR FEET THIS SHEET.



PROFILE

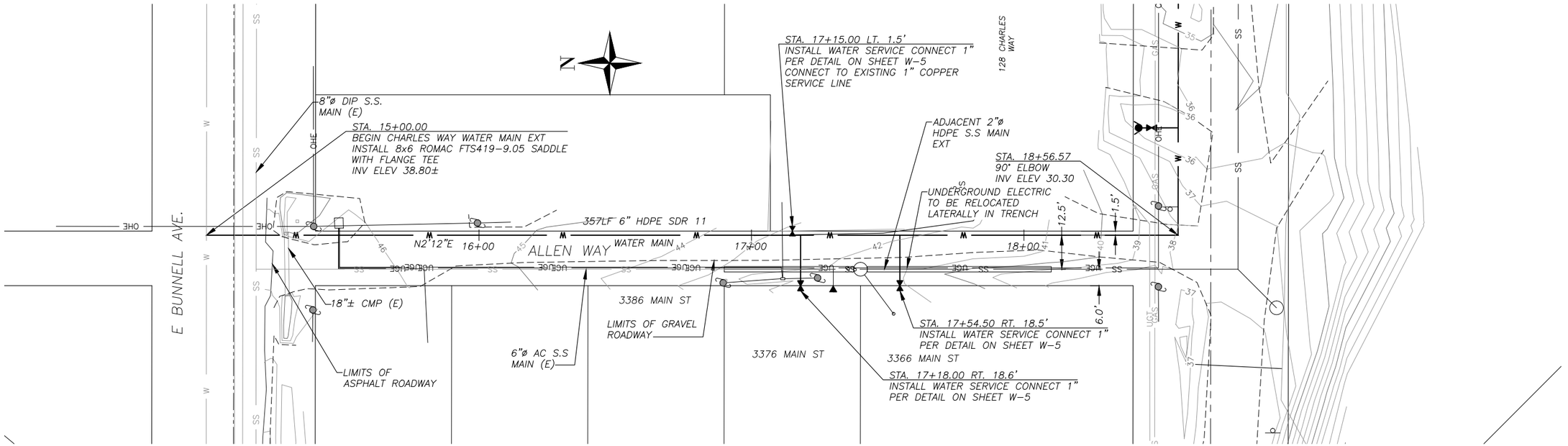
STATE OF ALASKA 49TH
John S. Bishop
11/2/2022
CE 10990
REGISTERED PROFESSIONAL ENGINEER

E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
E. BUNNELL AVENUE WATER MAIN PLAN + PROFILE
STA 25+00.00 to 29+27.00

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:
W–1



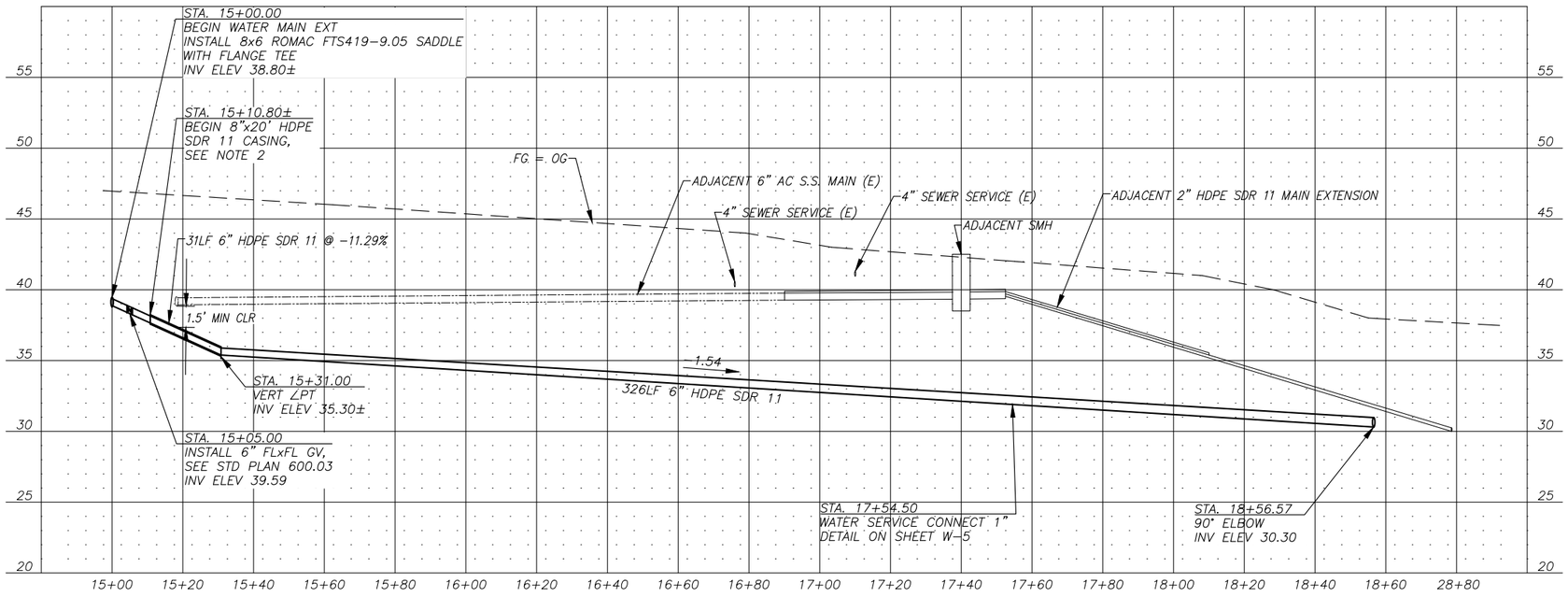
PLAN

0 40 80 120 160

GRAPHIC SCALE

NOTES:

1. BEFORE PERFORMING ANY EXCAVATIONS, CALL ALASKA DIGLINE AT 811, (800) 478-3121, OR (907) 278-3121.
2. CASING SHALL BE CENTERED UNDER EXISTING SEWER MAIN. CONTRACTOR SHALL VERIFY OUTSIDE DIAMETER OF HDPE MAIN PIPE BEFORE ORDERING OR INSTALLING HDPE CASING.
3. SEE "DETAIL A – STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 354± LINEAR FEET THIS SHEET.
4. SEE "DETAIL B – NON-STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 20± LINEAR FEET THIS SHEET.
5. SEE "DETAIL C – AC PAVEMENT STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN AREAS OF ASPHALT SURFACING. TOTAL OF 22± LINEAR FEET THIS SHEET.



PROFILE

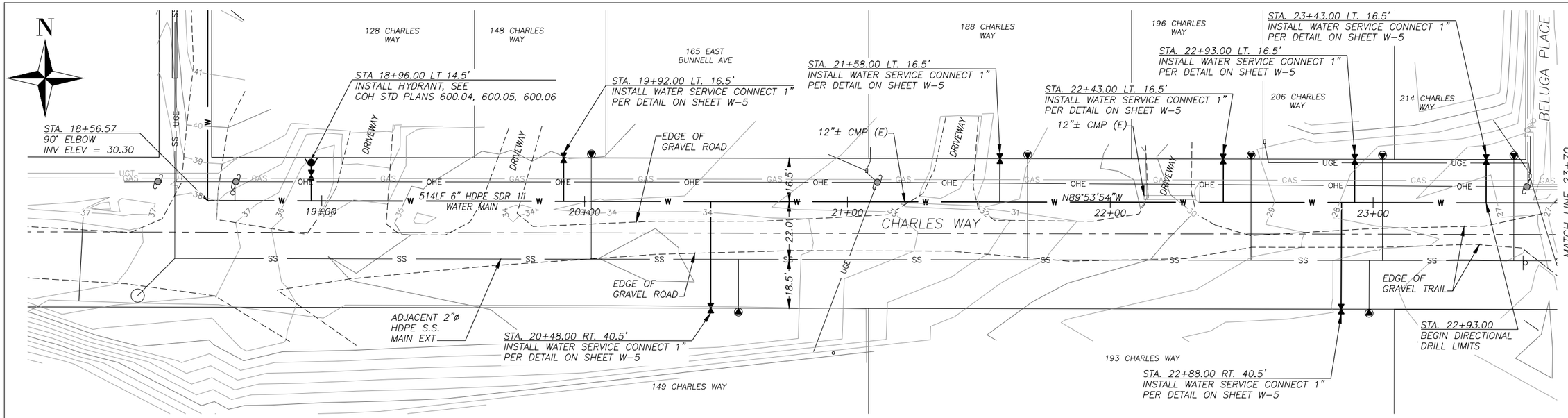
STATE OF ALASKA 49TH
John S. Bishop
11/2/2022
CE 10990
REGISTERED PROFESSIONAL ENGINEER

E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
ALLEN WAY WATER MAIN PLAN + PROFILE
STA 15+00.00 to 18+56.57

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:
W-2



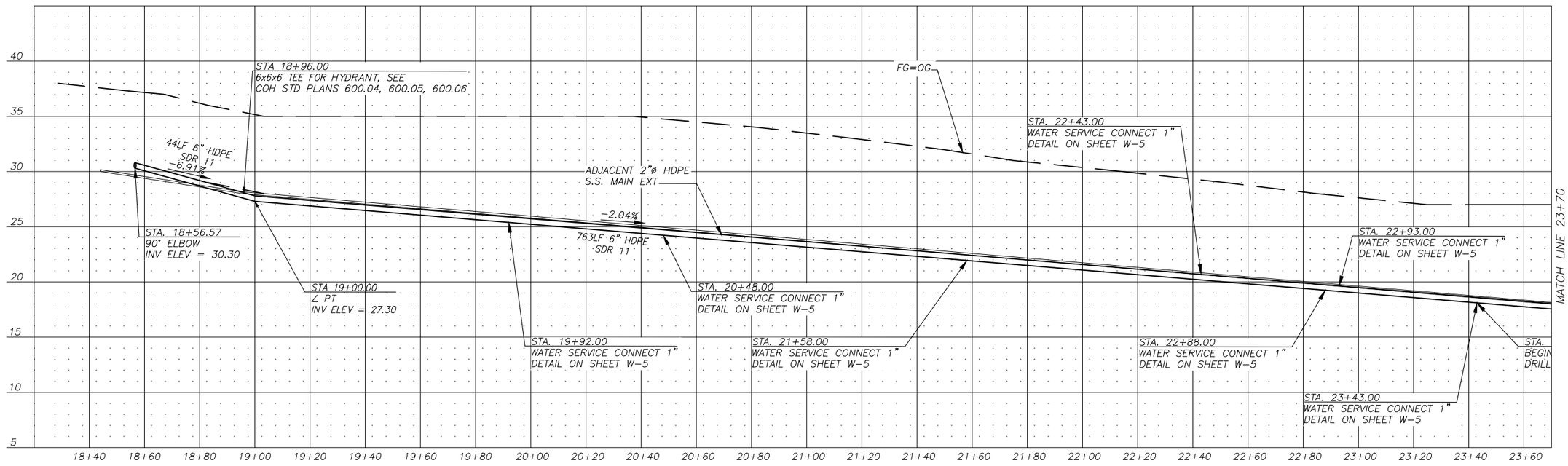
PLAN

0 40 80 120 160

GRAPHIC SCALE

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 W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 103± LINEAR FEET THIS SHEET.
3. SEE "DETAIL B – NON-STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 561± LINEAR FEET THIS SHEET.



PROFILE

STATE OF ALASKA 49TH
JOHN S. BISHOP
CE 10990
11/2/2022
REGISTERED PROFESSIONAL ENGINEER

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

BISHOP ENGINEERING, LLC
PO BOX 2501 HOMER, ALASKA 99603
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DATE: 11/2/2022
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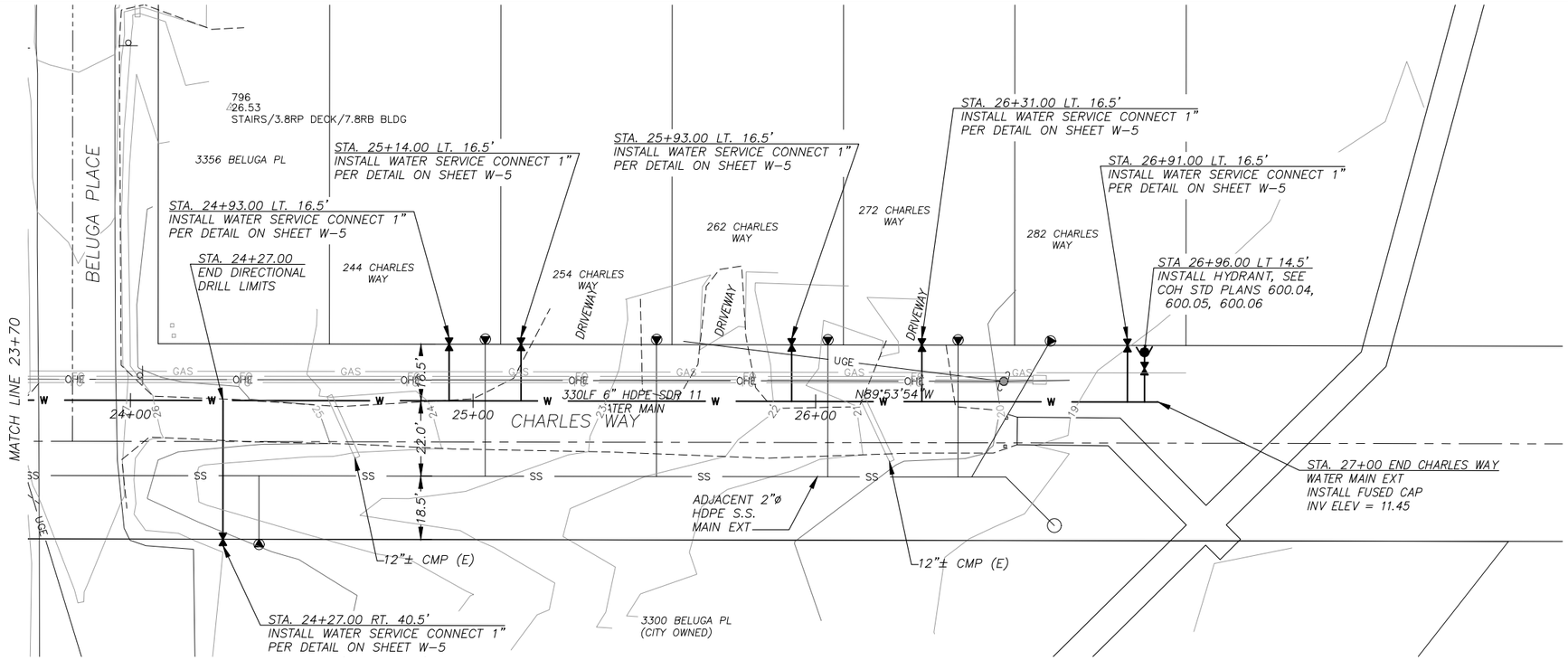
PROJ. NO.: 2022019

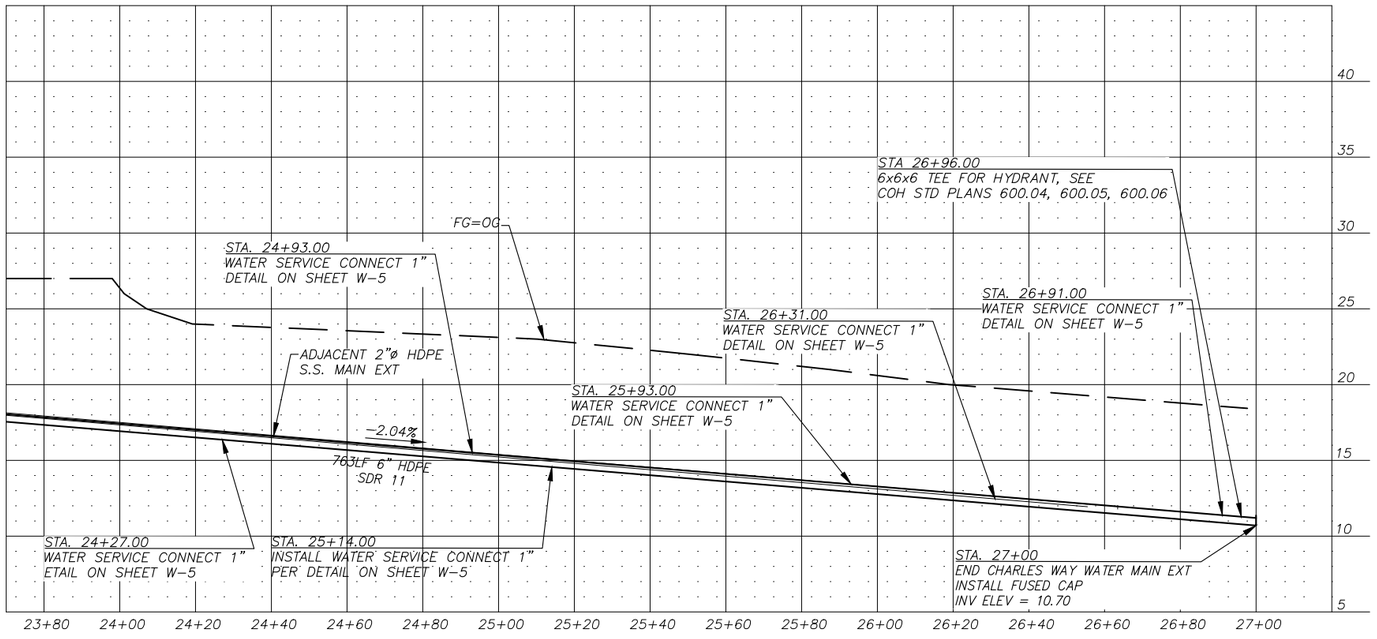
SHEET NO.:
W-3



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.
2. SEE "DETAIL A – STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN GRAVEL SURFACED AREAS. TOTAL OF 225± LINEAR FEET THIS SHEET.
3. SEE "DETAIL B – NON-STRUCTURAL TRENCH SECTION" ON SHEET W-5 FOR WATER MAIN AND WATER SERVICE TRENCHES WITHIN NATIVE SURFACE SOIL AREAS. TOTAL OF 185± LINEAR FEET THIS SHEET.

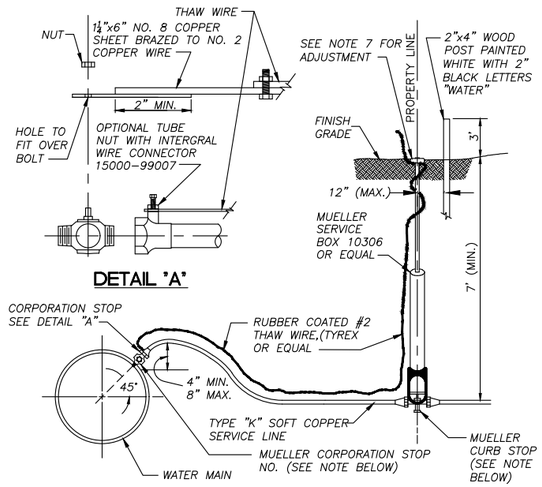
STATE OF ALASKA 49TH
JOHN S. BISHOP
11/2/2022
CE 10990
REGISTERED PROFESSIONAL ENGINEER

E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
CHARLES WAY WATER MAIN PLAN + PROFILE
STA 23+70.00 to 27+00.00

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:
W-4

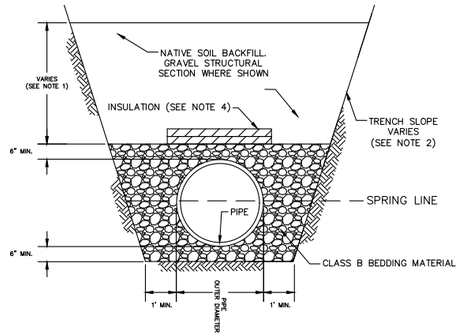


NOTES:

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



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 BEDDING SECTION

NOT TO SCALE

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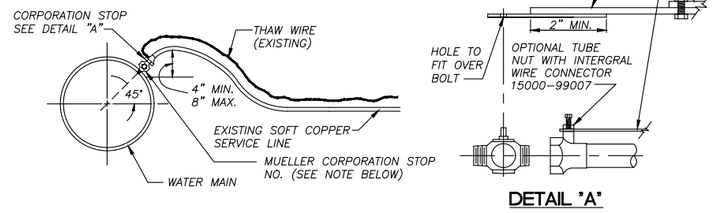
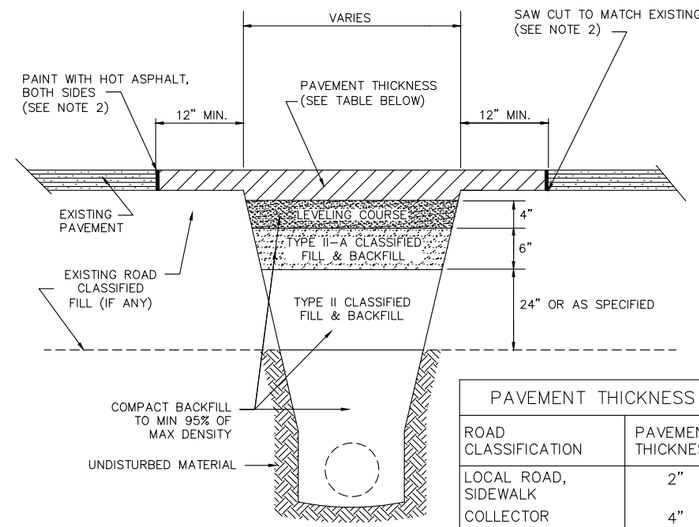


NOTES:

1. USE MUELLER CORPORATION STOP NO. 15025 FOR PIPE–THREAD SADDLES.
2. MUELLER SERVICE CLAMPS TO BE USED ON ALL PLASTIC PIPE, DOUBLE STRAP OR EQUAL.
3. HDPE MAINLINES SHALL UTILIZE A SIDEWALL BRANCH SADDLE WITH INTEGRAL BRASS CC THREAD INSERT TO RECEIVE CORPORATION STOP.

WATER SERVICE RECONNECT 1"ø

NOT TO SCALE



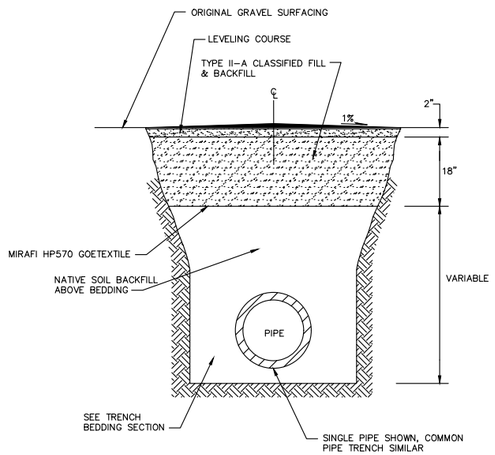
PAVEMENT THICKNESS	
ROAD CLASSIFICATION	PAVEMENT THICKNESS
LOCAL ROAD, SIDEWALK	2"
COLLECTOR	4"
ARTERIAL +	6" OR AS SPECIFIED

NOTES:

1. ENGINEER OR PERMITTING AGENCY MAY DIRECT ADDITIONAL AMOUNTS OF SURFACE REPLACEMENT MATERIALS AND/OR TYPE II CLASSIFIED FILL & BACKFILL, BASED UPON FIELD CONDITIONS.
2. AFTER TRENCH BACKFILL HAS BEEN COMPACTED, CONTRACTOR SHALL SAW CUT (REF. SECTION 40.02.5.J) AND REMOVE AN ADDITIONAL 12" FROM EACH EDGE OF THE ORIGINAL CUT. ENGINEER MAY REQUIRE ADDITIONAL REMOVAL IF THE EXISTING SURFACING HAS BEEN LIFTED IN THE REMOVAL PROCESS OR IF THE JOINT DOES NOT OCCUR ON UNDISTURBED MATERIAL. TRIM AND SQUARE THE EDGES OF EXISTING SURFACING, AND REMOVE LOOSE MATERIALS BEFORE PLACING PAVEMENT. CONTRACTOR SHALL PAINT SURFACES AND EDGES OF EXISTING PAVEMENT WITH HOT ASPHALT CEMENT AS SPECIFIED IN THE CONTRACT DOCUMENTS OR AS APPROVED BY THE ENGINEER.
3. MAXIMUM PAVEMENT LIFT THICKNESS IS 2" UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS OR APPROVED BY THE ENGINEER.
4. THIS DETAIL APPLIES TO ALL NON–GRAVEL SURFACES INCLUDING, BUT NOT LIMITED TO, PAVEMENT, RECYCLED ASPHALT PAVEMENT (RAP), AND BITUMINOUS SURFACE TREATMENT, ALSO KNOWN AS CHIP SEAL.

DETAIL C – AC PAVEMENT STRUCTURAL TRENCH SECTION

NOT TO SCALE

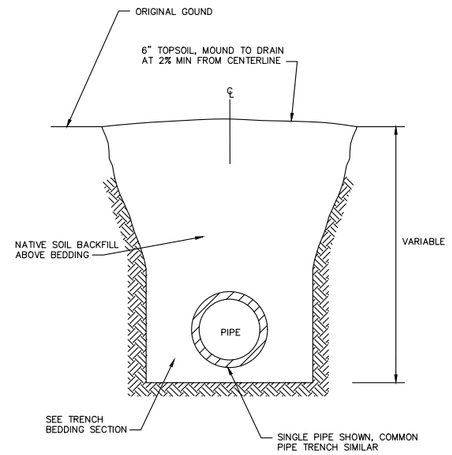


NOTE:

1. 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

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

E. BUNNELL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
WATER MAIN CONSTRUCTION DETAILS

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022109

SHEET NO.:
W–5

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

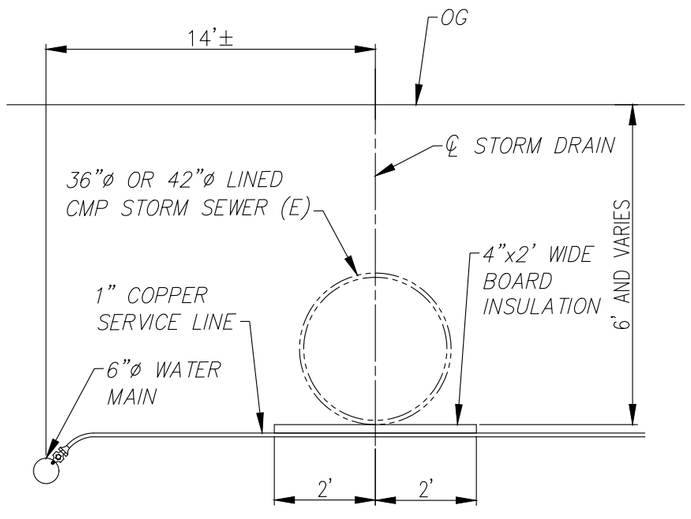
PIPE CULVERT W/ END SECTION

FIRE HYDRANT

VALVE OR RISER

EXISTING VALVE OR RISER

PRESSURIZED SEWER SERVICE POLY VALVE



STORM SEWER CROSSING
NOT TO SCALE

ABBREVIATIONS

AKDOT&PF	ALASKA DEPT. OF TRANSPORTATION & PUBLIC FACILITIES
ARV	AIR RELEASE VALVE
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
SS	STAINLESS STEEL
STA.	STATION
STD	STANDARD
SY	SQUARE YARD
TRANS	TRANSMISSION
UGE	UNDERGROUND ELECTRIC
UGT	UNDERGROUND TELEPHONE
UTIL	UTILITY
TYP.	TYPICAL
W	WATER MAIN OR SERVICE

CONSTRUCTION NOTES

1. DIRECTIONAL DRILLING SHALL BE UTILIZED TO INSTALL HDPE MAIN PIPE WHEREVER OPEN TRENCH INSTALLATION IS NOT REQUIRED TO PLACE HARDWARE FITTINGS AND ASSEMBLIES, VALVES, TEES, INSULATION BOARD, MANHOLES, AND CASINGS.
2. 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.
3. 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.
4. UNDERGROUND ELECTRICAL AND TELECOMMUNICATIONS LINES OCCUR WITHIN THE PROJECT AREA. LOCATIONS DEPICTED FOR THE UTILITIES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND UTILITY COMPANY LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
5. 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.
6. 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.
7. CONTRACTOR SHALL CONSTRUCT EROSION CONTROL DEVICES AS SHOWN IN THE PLANS AND PROCEDURES AND REQUIREMENTS DOCUMENTED IN THE SWPPP PERMIT.
8. 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.
9. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE PIPE MATERIAL IS CERTIFIED TO CONFORM TO ANSI/NSF STANDARD 61.
10. DISINFECTION WATER SHALL NOT BE RELEASED OVERLAND OR TO ANY CREEKS, STREAMS, TEMPORARY OR PERMANENT DRAINAGE SWALES OR DITCHES. DISINFECTION WATER SHALL BE FLUSHED INTO THE CITY OF HOMER SANITARY SEWER SYSTEM THROUGH A SANITARY SEWER MANHOLE OR CLEANOUT LOCATED WITHIN 100 FEET OF THE DISINFECTION WATER DISCHARGE POINT. ALTERNATIVELY, IF NO CITY SANITARY SEWER MANHOLE OR CLEANOUT IS LOCATED WITHIN 100 FEET OF THE DISINFECTION WATER DISCHARGE POINT, THE DISINFECTION WATER SHALL BE RETAINED IN A TANK TRUCK OR OTHER TRANSPORTABLE CONTAINER AND DISCHARGED INTO THE CITY OF HOMER SANITARY SEWER SYSTEM AT A LOCATION TO BE DETERMINED BY THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT DEMONSTRATES THE CHEMICAL ADDITIVE FOR DISINFECTION IS CERTIFIED TO CONFORM TO ANSI/NSF STANDARD 60.
12. 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.
13. FIBER ROLLS SHALL BE STRAW TYPE, 6-INCH NOMINAL DIAMETER, AND AT LEAST 3.1 LB/CU.FT. DENSITY. INSTALL ROLLS AS SHOWN ON THE PLANS AND MANUFACTURER'S INSTRUCTIONS.
14. DETAIL A – STRUCTURAL TRENCH SECTION SHALL BE USED FOR WATER MAIN AND WATER SERVICE BACKFILL WITHIN ALL GRAVEL SURFACED AREAS. DETAIL B – NON-STRUCTURAL TRENCH SECTION SHALL BE USED FOR BACKFILL IN ALL AREAS CONSISTING OF NATURAL SILTY AND ORGANIC SURFACE SITE SOILS.

NOTES:

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

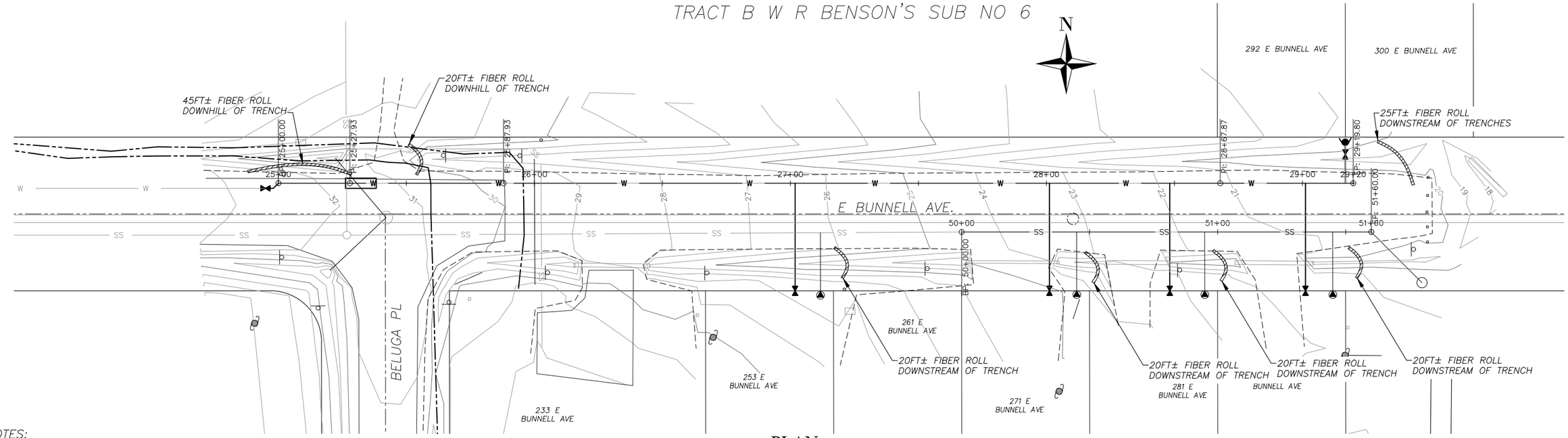
STATE OF ALASKA 49TH — JOHN S. BISHOP — CE-10951 — REGISTERED PROFESSIONAL ENGINEER — 11/2/2022

E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
WATER MAIN CONSTRUCTION NOTES

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:
W-6



PLAN

0 40 80 120 160

GRAPHIC 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
11/2/2022
CE 10990
REGISTERED PROFESSIONAL ENGINEER

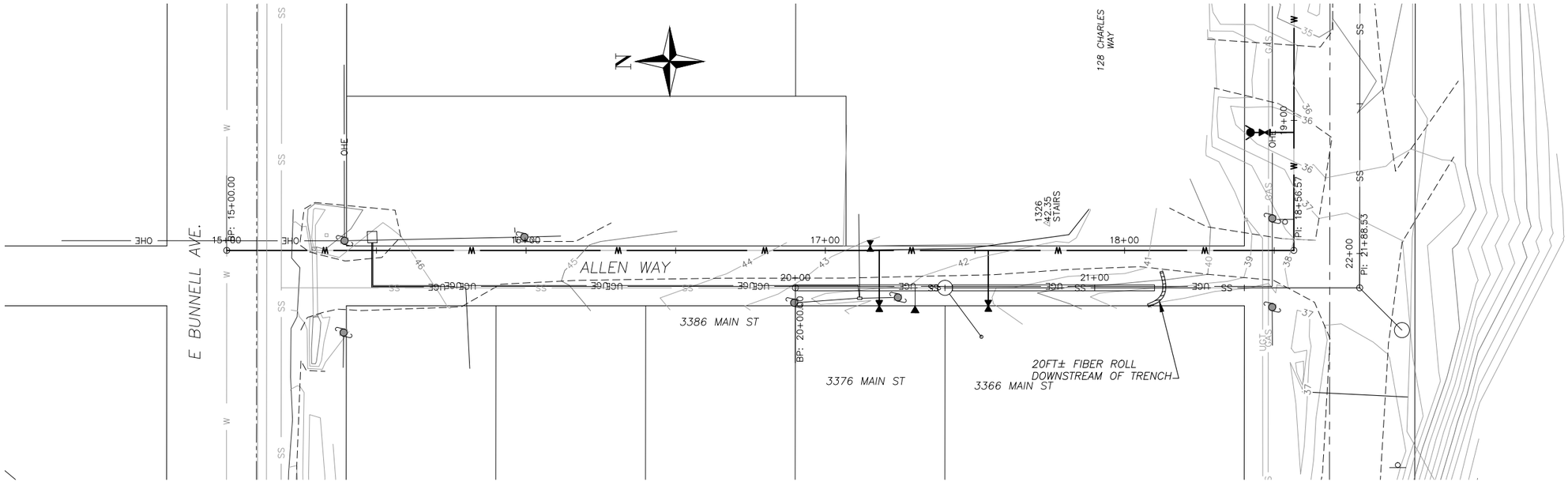
E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
EROSION CONTROL PLAN NO. 1

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:

W-7



PLAN

0 40 80 120 160

GRAPHIC SCALE

NOTES:

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STATE OF ALASKA 49TH
John S. Bishop
CE 10990
REGISTERED PROFESSIONAL ENGINEER
11/2/2022

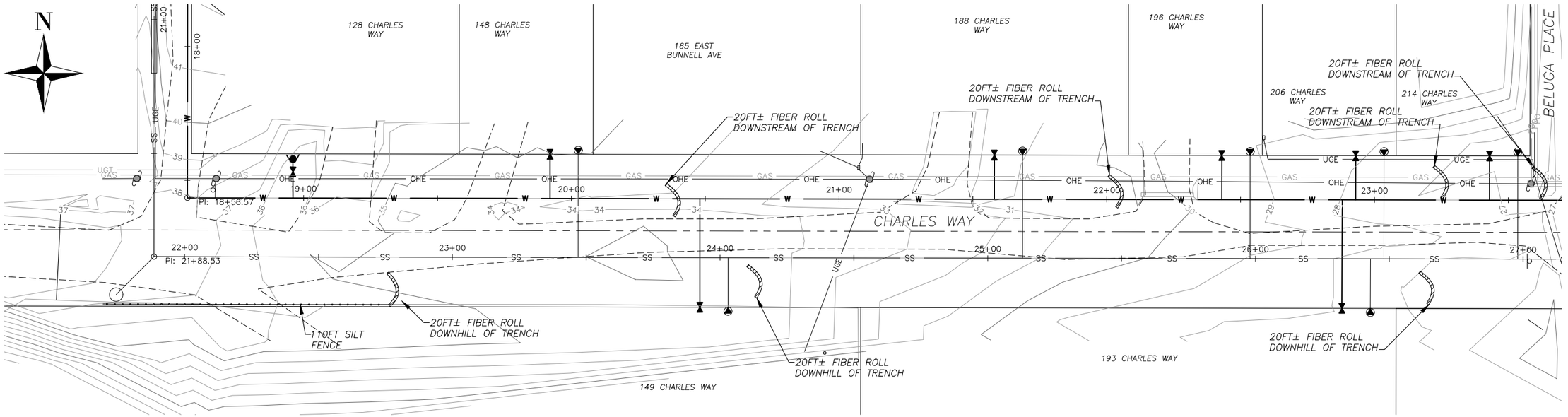
E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
EROSION CONTROL PLAN NO. 2

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:

W—8



PLAN

0 40 80 120 160

GRAPHIC SCALE

NOTES:

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STATE OF ALASKA 49TH — John S. Bishop — 11/2/2022 — CE 10990 — REGISTERED PROFESSIONAL ENGINEER

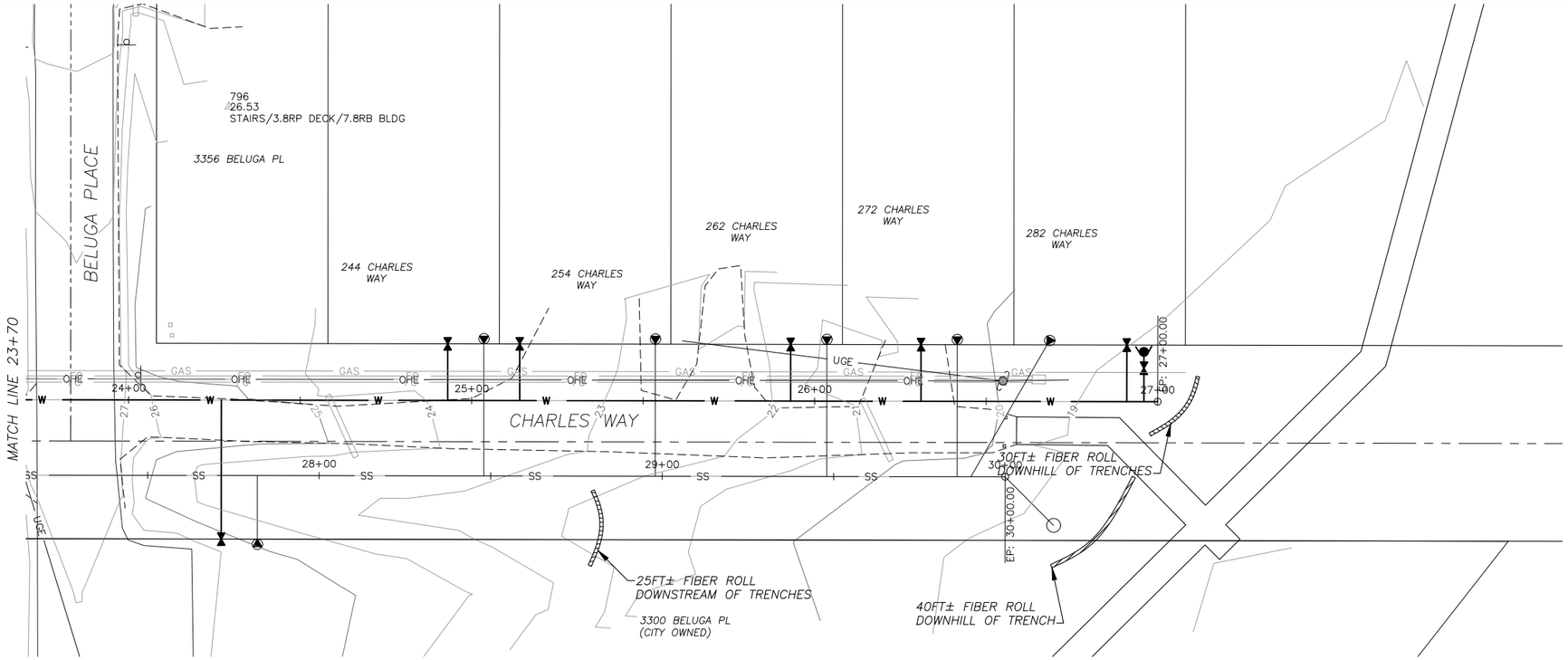
E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
EROSION CONTROL PLAN NO. 3

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

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

SHEET NO.:

W–9



PLAN

0 40 80 120 160

GRAPHIC SCALE

N

NOTES:

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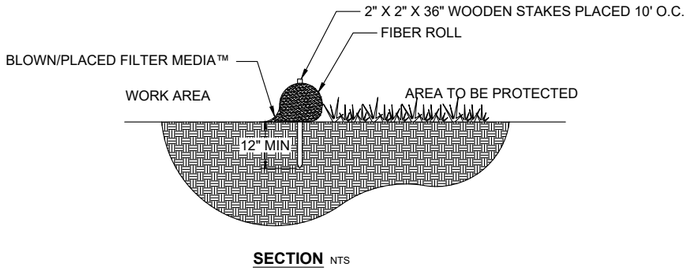
STATE OF ALASKA 49TH
John S. Bishop
11/2/22
CE 10990
REGISTERED PROFESSIONAL ENGINEER

E. BUNNEL AVENUE / CHARLES WAY / ALLEN WAY
WATER MAIN EXTENSION
EROSION CONTROL PLAN NO. 4

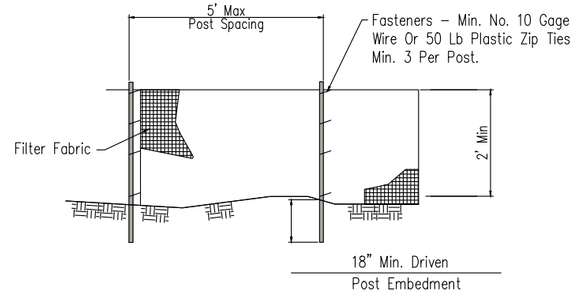
BISHOP ENGINEERING, LLC
PO BOX 2501, HOMER, ALASKA 99603
(907) 299–7609

DATE: 11/2/2022
CHK'D: JSB
SCALE: AS NOTED
PROJ. NO.: 2022019

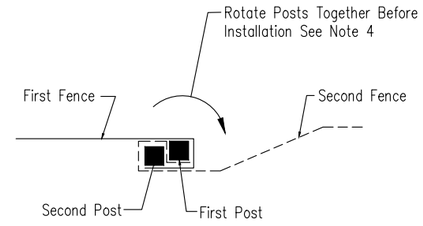
SHEET NO.:
W–10



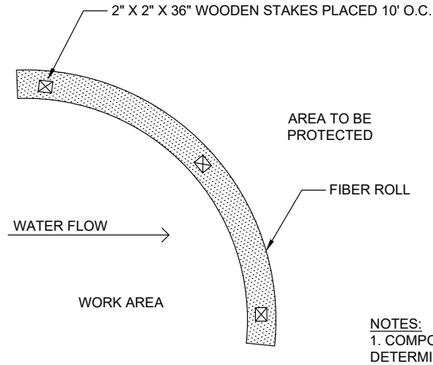
SECTION NTS



ELEVATION

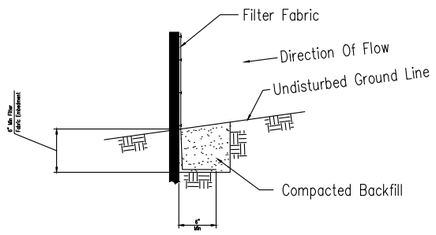


SPLICE DETAIL–PLAN VIEW



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

PLAN NTS



FABRIC ANCHOR DETAIL

NOTES:
1. Temporary silt fence shall be installed prior to any grading work in the area to be protected. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either wood post with a minimum cross–sectional area of 1.5" X 1.5" or a standard steel post.
4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.

FIBER ROLL SEDIMENT CONTROL
NTS

SIILT FENCE PROJECT BORDER
NTS

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EROSION CONTROL DETAILS

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W–11