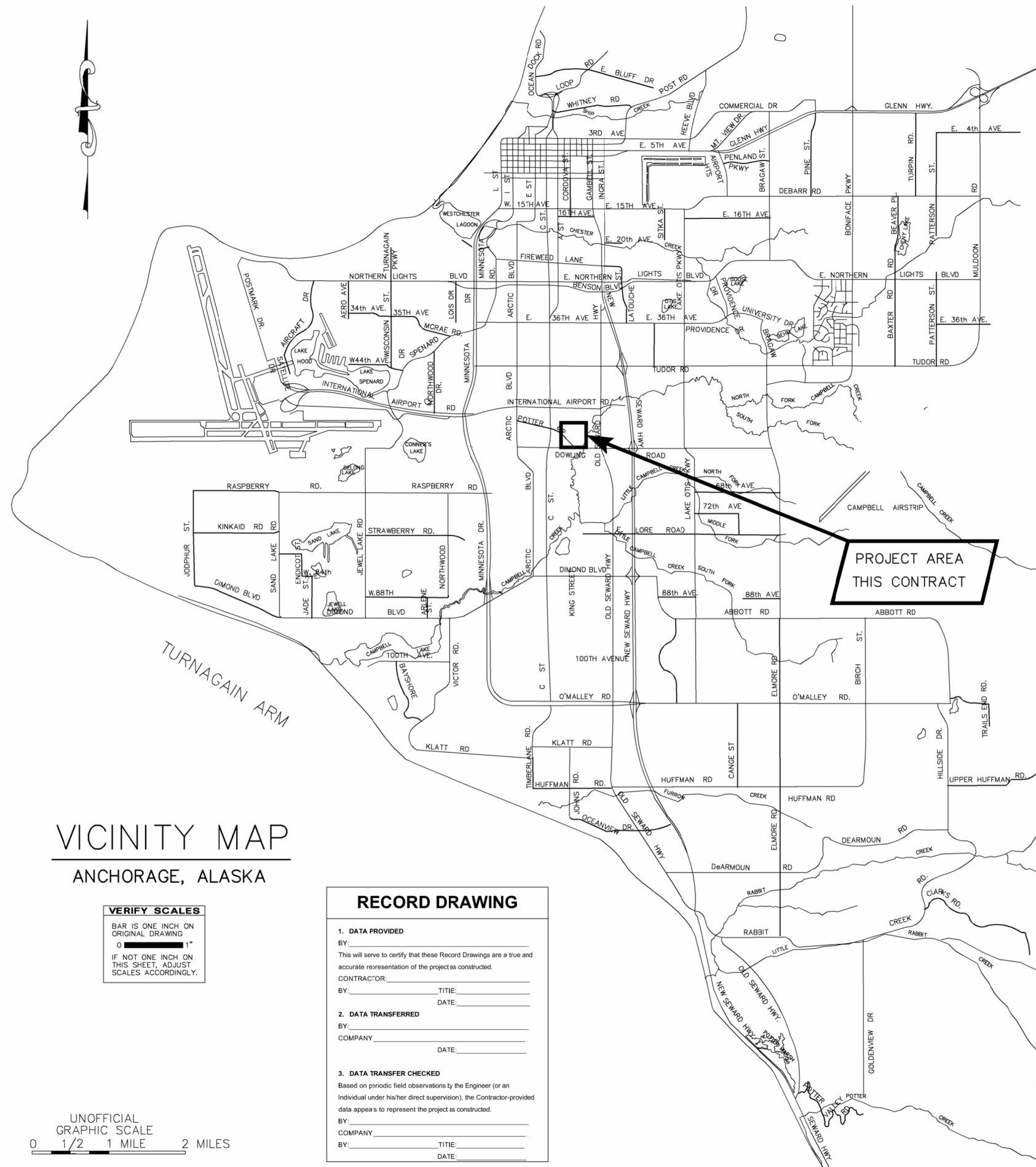


COOK INLET HOUSING AUTHORITY 56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT

AWWU PRIVATE DEVELOPMENT #W26-006

JUNE 4, 2026



SHEET INDEX	
SHEET	SUBJECT
1	COVER SHEET
2	KEY MAPS, NOTES AND LEGEND
3	SURVEY CONTROL
4	SURVEY BASE SHEET
5	SITE MAP
6	TYPICAL SECTIONS AND HYDRANT DETAIL
7	CORDOVA ST WATER PLAN AND PROFILE STA 14+00 TO 20+00
8	CORDOVA ST WATER PLAN AND PROFILE STA 20+00 TO 22+00
9	CORDOVA ST SEWER SERVICE PROFILES
10	CORDOVA ST WATER SERVICE PROFILES
11	CORDOVA ST SERVICE TABLES

VICINITY MAP ANCHORAGE, ALASKA

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

UNOFFICIAL GRAPHIC SCALE
0 1/2 1 MILE 2 MILES

RECORD DRAWING

1. DATA PROVIDED
BY: _____
This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.
CONTRACTOR: _____
BY: _____ TITLE: _____
DATE: _____

2. DATA TRANSFERRED
BY: _____
COMPANY: _____
DATE: _____

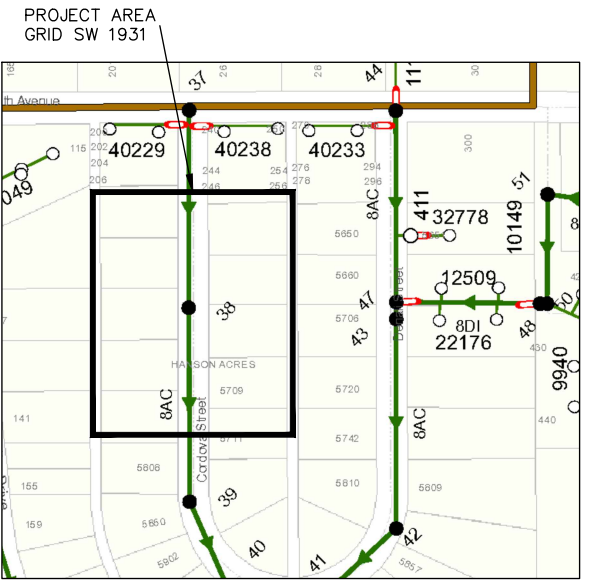
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Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.
BY: _____
COMPANY: _____
BY: _____ TITLE: _____
DATE: _____

OWNER
COOK INLET HOUSING AUTHORITY
3510 SPENARD
ANCHORAGE, AK 99503
907-793-3000

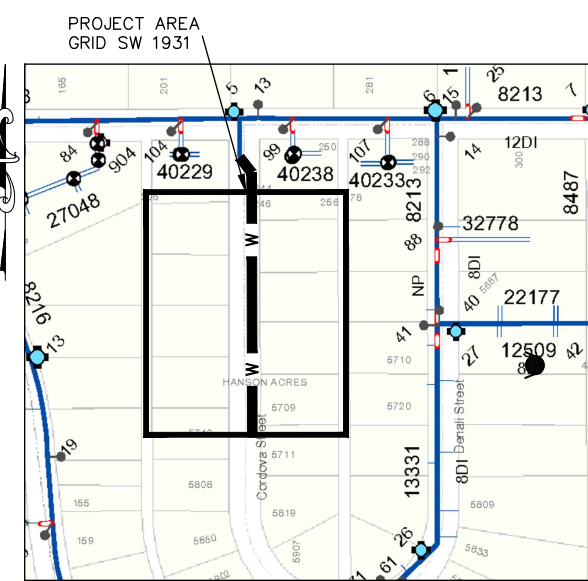
GABRIEL LAYMAN
PRESIDENT/CEO



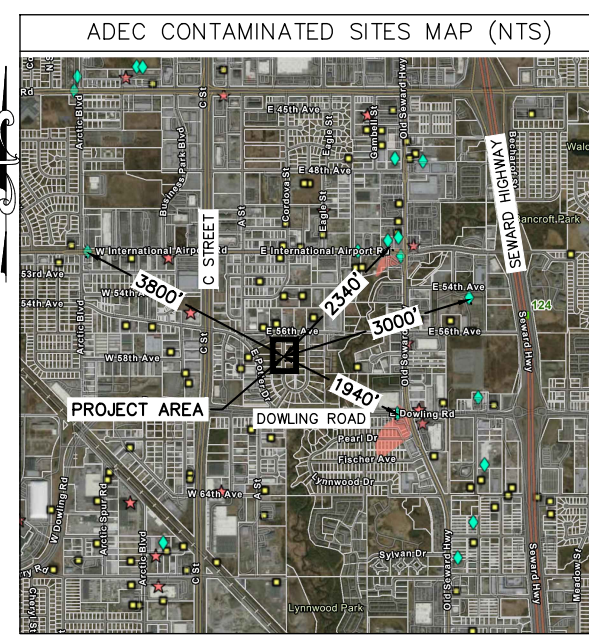
PROFESSIONAL & TECHNICAL SERVICES, INC.
CONSULTING • ENGINEERING • SURVEYING
912 EAST 15TH AVE, SUITE 200
ANCHORAGE, ALASKA 99501
PHONE: (907) 561-6237
LICENSE# AECC924



SEWER KEY MAP N.T.S.



WATER KEY MAP N.T.S.



SEWER NOTES

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN THE MOST CURRENT EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS FOR STREETS-DRAINAGE-UTILITIES-PARKS (MASS), THE 2024 AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL, AND THE SPECIAL PROVISIONS.
2. ANY DEVIATION FROM THE APPROVED PLANS DURING CONSTRUCTION MUST RESULT IN A HALT TO CONSTRUCTION. THE CONTRACTOR WILL CONTACT THE PROJECT ENGINEER AND FIELD SERVICES TO OBTAIN APPROVAL FOR THE ALTERNATIVE DESIGN PRIOR TO FURTHER WORK.
3. MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL AND EIGHTEEN (18) INCHES VERTICAL SEPARATION BETWEEN WATER AND SANITARY OR STORM SEWER MAINS AND SERVICES. SANITARY AND STORM SEWER PIPE JOINTS SHALL BE PLACED AT LEAST NINE (9) FEET FROM ANY WATERLINE CROSSING.
4. MAINTAIN A MINIMUM OF 36-INCHES OF VERTICAL SEPARATION BETWEEN ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MAINS OR SERVICES) OR SANITARY SEWER (MAINS OR SERVICES). IF 36-INCHES CANNOT BE MAINTAINED, PROVIDE A MINIMUM OF 4-INCH THICK INSULATION.
5. ALL WATER/SEWER PIPE INSULATION SHALL BE RIGID BOARD, HIGH DENSITY POLYSTYRENE, MIN. 60 P.S.I., FOR UNDERGROUND INSTALLATIONS EQUIVALENT TO R-18 PER FOUR (4) INCH THICK INSULATION.
6. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
7. THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION.
8. IN CASE OF CONFLICT BETWEEN STATIONING LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS RELATIVE TO THE CENTERLINE AND PROPERTY LINE, THE DIMENSIONED LOCATIONS SHALL GOVERN.
9. THE CONTRACTOR SHALL RECORD SURVEY NOTES IN A FORMAT SIMILAR TO THAT SHOWN IN MASS DIVISION 65 FOR SUBMITTAL WITH THE RECORD DRAWING PLANS.
10. CONTRACTOR SHALL FIELD INSTALL RESTRAINED FITTINGS ON ALL MECHANICAL JOINTS.
11. ALL DUCTILE IRON PIPES WITH AFFIXED FITTINGS ARE TO BE ENCASED IN ONE LAYER OF POLYETHYLENE ENCASEMENT. FITTINGS AFFIXED TO NON-METALLIC PIPE DO NOT NEED POLYETHYLENE ENCASEMENT. ALL VALVE BOXES AND HYDRANT BARRELS ARE TO BE ENCASED IN THREE LAYERS OF POLYETHYLENE ENCASEMENT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.
13. WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORTS SHALL NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS OR SANITARY SEWER MANHOLES OR CLEANOUTS UNLESS REQUIRED PERMITS ARE OBTAINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM EXCAVATION ONTO THE ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF NECESSARY PERMITS AND APPROVALS TO M.O.A. R.O.W. PERMIT OFFICE AND THE ENGINEER.
14. ALL STOP AND STREET NAME SIGNS ARE TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK SHALL BE INCIDENTAL TO BID ITEM 85.05

WATER NOTES

- 1. AWWU, AFD AND EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER SERVICE TO THE EXISTING CUSTOMERS IF THE OUTAGE EXCEEDS 6-HOURS OR IF DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL HAVE A TEMPORARY WATER SERVICE PLAN REVIEWED AND APPROVED BY ADEC.
2. ALL WATER MAINS AND SERVICES SHALL BE 8" OR 4" POLYVINYL CHLORIDE (PVC) C-900, R/JIB, DR-18, UNLESS OTHERWISE NOTED.
3. NO PIPE LENGTH LESS THAN EIGHT (8") FEET SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE LOCATIONS UNLESS RESTRAINED.
4. WATER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY SANITARY SEWER MAIN, SANITARY SEWER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE
5. ALL WATER MAIN AND SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
6. ALL WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 10 FEET OF BURY AT ALL POINTS. WHERE 10 FEET CAN NOT BE MAINTAINED OVER THE WATER SERVICES (CROSSING THE DRAINAGE DITCH) THE SERVICE WILL BE INSULATED WITH 4" OF INSULATION FOR THE WIDTH OF THE REDUCED COVER IAW MASS DETAIL 20-9.
7. ALL PIPE BEDDING SHALL BE CLASS E.
8. ALL PIPE JOINTS SHALL BE RESTRAINED. THRUST RESTRAINT SHALL BE PROVIDED BY USE OF FIELD-LOK GASKETS (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL) ON ALL MECHANICAL JOINTS. THE USE OF THRUST BLOCKS WILL NOT BE ALLOWED FOR DUCTILE IRON PIPE, BUT ARE REQUIRED FOR PVC PIPE (DIP FITTINGS).
9. HYDRANTS WILL BE ADJUSTED TO FINAL GRADE BY AWWU O&M DIVISION. THE CONTRACTOR IS TO PROVIDE WRITTEN NOTICE TO THE MASS ENGINEER AND THE AWWU INSPECTOR A MINIMUM OF SEVEN (7) DAYS PRIOR TO THE NEED FOR FINAL HYDRANT ADJUSTMENT. THE WRITTEN NOTICE IS TO CONTAIN AT A MINIMUM, THE MANUFACTURER, MODEL NUMBER OF THE HYDRANT AND VERTICAL ADJUSTMENT NEEDED IN SIX INCH (6") INCREMENTS.
10. THE CONTRACTOR SHALL RELOCATE ANY WATER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD DISTANCES PRIOR TO ACCEPTANCE BY AWWU.
11. DETECTABLE WARNING TAPE SHALL BE LOCATED BETWEEN 24" AND 36" ABOVE THE TOP OF THE PIPE. TRACER WIRE IS TO BE INSTALLED PER MASS SECTION 60.02..
12. BORE FLUSH AND CHLORINATE NEWLY INSTALLED WATER PIPE AND SERVICES. AWWU WILL PROVIDE FLUSH WATER FROM THE AWWU WATER DISTRIBUTION SYSTEM. THE CONTRACTOR MUST REQUEST WATER AT LEAST 48 HOURS PRIOR TO OPEN BORE FLUSHING. OPEN BORE FLUSHING AND CHLORINATION OF THE MAIN MUST TAKE PLACE PRIOR TO INSTALLATION OF WATER SERVICES. WATER SERVICES WILL REQUIRE A CAP OR PLUG WITH A RISER TO ALLOW FOR CHLORINATION AND FLUSHING OF THE SERVICES.

SEWER NOTES

- 1. EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF SANITARY SEWER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SANITARY SEWER SERVICE TO THE EXISTING CUSTOMERS IF DEEMED NECESSARY BY THE ENGINEER.
2. ALL MANHOLES SHALL HAVE A MINIMUM OF ONE-SIX (6") INCH GRADE RING. MAXIMUM GRADE RING ADJUSTMENT SHALL NOT EXCEED EIGHTEEN (18") INCHES.
3. ALL SANITARY SEWER SERVICES SHALL BE POLYVINYL CHLORIDE (PVC) C-900, DR-18, UNLESS OTHERWISE NOTED.
4. SANITARY SEWER SERVICES SHALL BE 6-INCH UNLESS NOTED ON PLANS WITH A MINIMUM SLOPE FOR 6-INCH SERVICES TO BE 1%.
5. SANITARY SEWER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY WATER MAIN, WATER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
6. ALL BEDDING SHALL BE CLASS E.
7. SEWER MAIN AND SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
8. THE CONTRACTOR SHALL RELOCATE ANY SEWER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD MEASURED DISTANCES PRIOR TO FINAL ACCEPTANCE BY AWWU.

ABBREVIATIONS

Table with two columns of abbreviations and their meanings. Includes AC - ASBESTOS CEMENT, A.C. - ASPHALT CONCRETE, ADEC - ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, AWWU - ANCHORAGE WATER & WASTEWATER, BOH - BOTTOM OF HOLE, BOP - BOTTOM OF PIPE, BP - BEGINNING OF PROJECT, CC - CURB CUT, CIP - CAST IRON PIPE, CL - CENTERLINE, DIA - DIAMETER, DIP - DUCTILE IRON PIPE, EG - EXISTING GROUND, ELEV - ELEVATION, EOP - EDGE OF PAVEMENT, EP - END OF PROJECT, F&I - FURNISH AND INSTALL, FG - FINISHED GRADE, FH - FIRE HYDRANT, GV - GATE VALVE, H - HORIZONTAL, HDPE - HIGH DENSITY POLYETHYLENE, IAW - IN ACCORDANCE WITH, INV - INVERT, LF - LINEAR FEET, LT - MUNICIPALITY OF ANCHORAGE, M.E. - MATCH EXISTING, MOA - LEFT, NTS - NOT TO SCALE, OFF - OFFSET, OSHA - OCCUPATIONAL SAFETY AND HEALTH ORGANIZATION, P - HEALTH ORGANIZATION, PVC - POLYVINYL CHLORIDE, RED - REDUCER, RT - RIGHT, ROW - RIGHT OF WAY, RP - RADIUS POINT, SI - STREET INTERSECTION, SP - SINGLE PUMPER, SSMH - SANITARY SEWER MANHOLE, ST - STREET, STA - STATION, STD - STANDARD, TB - THRUST BLOCK, TBC - TOP BACK OF CURB, TCE - TEMPORARY CONSTRUCTION EASEMENT, TCP - TEMPORARY CONSTRUCTION PERMIT, TOP - TOP OF PIPE, TP - TOP OF PAVEMENT, TYP - TYPICAL, VB - VALVE BOX

LEGEND - PLAN table with columns for EXISTING, PROPOSED, and DESCRIPTION. Includes symbols for PROPERTY LINE, EASEMENT, CENTERLINE, CURB & GUTTER, EDGE OF PAVEMENT, WATER MAIN, SEWER MAIN, STORM DRAIN MAIN, OVERHEAD ELECTRIC, OVERHEAD TELEPHONE, UNDERGROUND ELECTRIC, UNDERGROUND CABLE, UNDERGROUND FIBER OPTIC, UNDERGROUND NATURAL GAS, FENCE, CHAINLINK FENCE, DRAINAGE ARROW, ELECTRICAL HAND HOLE, TELEPHONE HAND HOLE, ELECTRICAL VAULT, ELECTRICAL METER, UNDERGROUND ELECTRICAL PEDESTAL, UNDERGROUND TELEPHONE PEDESTAL, GAS METER, JUNCTION BOX, GAS VALVE, MAILBOX, STREET SIGN, IRON PIN OR REBAR, SECTION CORNER/SURVEY MONUMENT, LIGHT POLE, WATER KEYBOX, WATER VALVE, WATER END CAP, FIRE HYDRANT, SEWER MANHOLE, SEWER SERVICE, SEWER PLUG, CLEANOUT, STORM DRAIN MANHOLE, STORM DRAIN CATCH BASIN, STORM DRAIN CATCH BASIN MANHOLE, STORM DRAIN SERVICE, CONIFEROUS TREE, DECIDUOUS TREE, SHRUB, TEST BORING, MONITORING WELL, ROADWAY REMOVAL, CURB AND GUTTER REMOVAL, ANTICIPATED DISTURBANCE AREA, CONCRETE PATH/PAD REMOVAL, DRIVEWAY RECONSTRUCTION



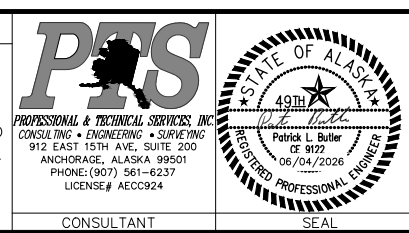
CALL BEFORE YOU DIG! Alaska Digline, Inc. Statewide 811. AFSC/ASIG 243-4322, Chevron 258-2301, Alaska Railroad 265-2520, Military Fuel Lines 552-3760 & 552-5342, State Storm Drains 333-2411

2019/10/02 2:08 PM By: Pot Butler S:\VW-24\Task 13 FS-05\dwg Active\FS-05_C1HA_PD_WS.dwg

VERIFY SCALE table with columns for DATA, DRAWN BY, CHECKED BY, TELEPHONE, ELECTRIC, CABLE TV, TRAFFIC SIGNAL, DESIGN, QUANTITIES, MUN. FINAL CHECK, PLAN CHECK, REVISIONS

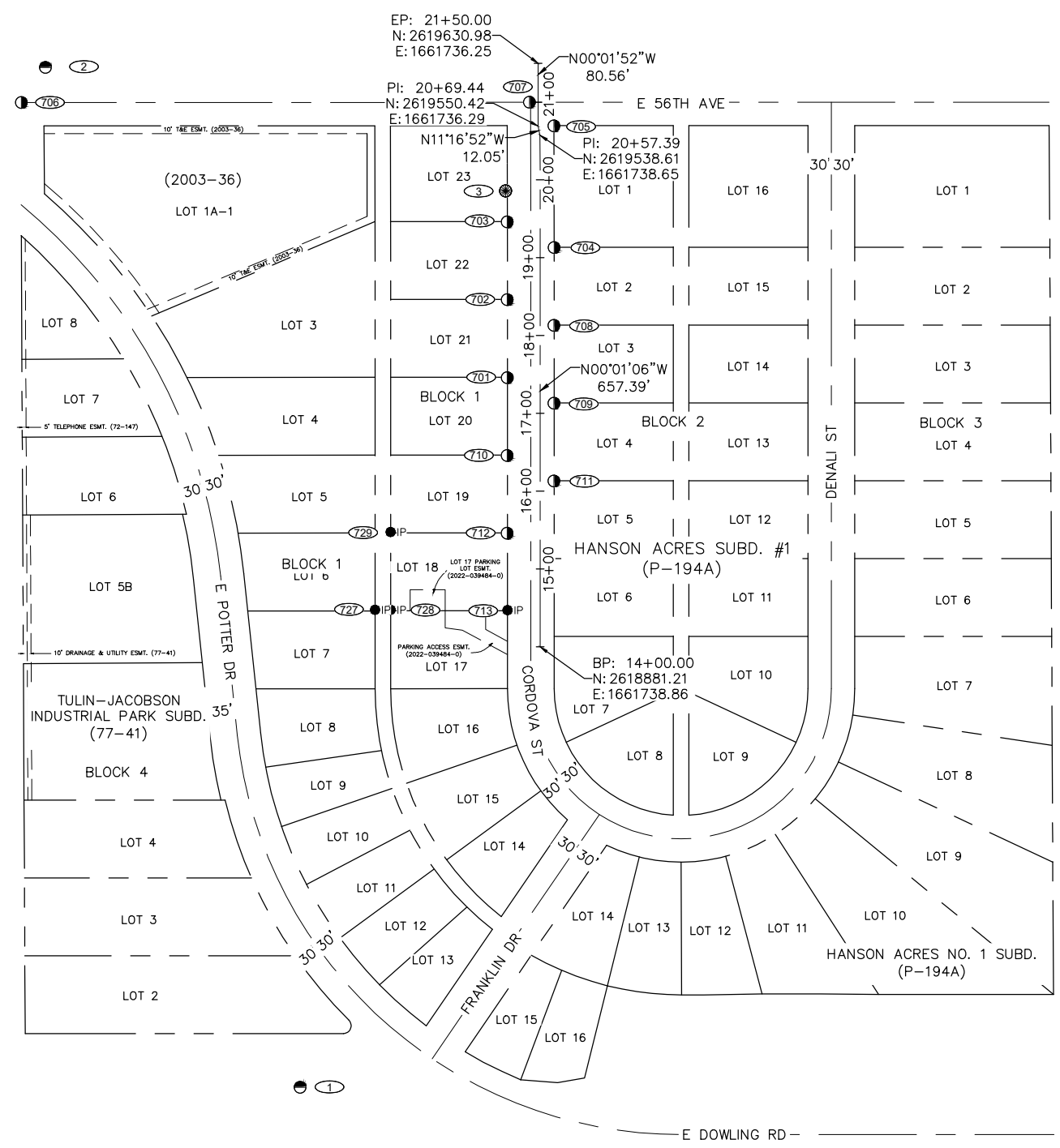
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56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT KEY MAPS, NOTES AND LEGEND. HORZ SCALE: N/A, VERT SCALE: N/A, DATE: 06/2026, GRID: SW1931, SHEET 2 of 11, AWWU PRIVATE DEVELOPMENT #: W26-006



PROJECT CONTROL						
POINT NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
1	2618315.07	1661430.70	108.41	-	-	SET 1" BRASS CAP
2	2619625.83	1661103.52	115.13	21+45.20	632.73L	SET 2" ALUMINUM CAP
3	2619467.10	1661694.59	114.62	19+85.90	44.08L	FOUND SPIKE

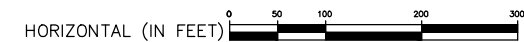
RIGHT OF WAY					
POINT NUMBER	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
701	2619227.08	1661696.57	17+45.88	42.18L	FOUND YELLOW PLASTIC CAP
702	2619327.19	1661696.64	18+45.99	42.08L	FOUND YELLOW PLASTIC CAP
703	2619427.14	1661696.76	19+45.94	41.92L	FOUND YELLOW PLASTIC CAP
704	2619394.26	1661756.87	19+13.04	18.18R	FOUND YELLOW PLASTIC CAP
705	2619550.50	1661756.84	20+65.49	20.17R	FOUND YELLOW PLASTIC CAP
706	2619580.42	1661072.57	20+99.80	663.70L	FOUND 1 1/2" ALUMINUM CAP
707	2619581.14	1661725.26	21+00.16	11.02L	FOUND 2" ALUMINUM CAP
708	2619294.19	1661756.77	18+12.98	18.04R	FOUND YELLOW PLASTIC CAP
709	2619194.19	1661756.69	17+12.98	17.94R	FOUND YELLOW PLASTIC CAP
710	2619127.03	1661696.53	16+45.83	42.25L	FOUND YELLOW PLASTIC CAP
711	2619094.24	1661756.74	16+13.02	17.96R	FOUND YELLOW PLASTIC CAP
712	2619027.03	1661696.50	15+45.83	42.31L	FOUND YELLOW PLASTIC CAP
713	2618928.27	1661697.09	14+47.07	41.76L	FOUND 5/8" REBAR
727	2618928.78	1661527.03	14+47.64	211.81L	FOUND 5/8" REBAR
728	2618928.77	1661547.03	14+47.62	191.82L	FOUND 5/8" REBAR
729	2619028.72	1661547.04	15+47.57	191.77L	FOUND 5/8" REBAR

SURVEY NOTES:

- THE FIELD SURVEY WAS PERFORMED BY PROFESSIONAL AND TECHNICAL SERVICES INC. (PTS), FROM MARCH 27 TO MAY 1, 2026. FIELD SURVEY INFORMATION FOR THIS PROJECT IS LOCATED IN PTS FIELD BOOK 21-103, PAGES 54-69.
- A TITLE SEARCH WAS NOT PERFORMED, EASEMENTS OF RECORD OTHER THAN THOSE SHOWN ON THE RECORDED PLATS ARE NOT SHOWN HEREON. RECORD REFERENCE INFORMATION FOR EASEMENTS IS NOT SHOWN HERON.
- THE BASIS OF BEARINGS IS NAD83 (2011) EPOCH:2010.00 ALASKA STATE PLANE ZONE 4 GRID FROM GPS OBSERVATIONS.
- COORDINATES ARE NAD83 (2011) EPOCH:2010.00 ALASKA STATE PLANE ZONE 4 EXPRESSED IN U.S. SURVEY FEET. THE BASIS OF COORDINATES IS POINT NUMBER 1 PER AN N.G.S OPUS SOLUTION.
- TO CONVERT STATE PLANE COORDINATES TO ADOT&PF BOWL 2000 COORDINATES, SCALE USING 1.0001089930 AND TRANSLATE USING -2,296,869.1874 N, -1,312,517.1828 E.
- ELEVATIONS ARE BASED ON THE M.O.A. VERTICAL DATUM 1972 N.G.S. ADJUSTMENT. BENCH MARK IS "GAAB-31", ELEV.=132.19'. SEE M.O.A. BENCHMARK BOOK, DESCRIPTION PAGE D-25.

SURVEY LEGEND

- SET ALUMINUM/BRAS CAP
- ⊕ FND BRASS CAP
- ⊖ FND ALUMINUM/ PLASTIC CAP
- FND SPIKE
- IP FND REBAR/IRON PIPE



DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
BASE	SB		TELEPHONE						
TOPOGRAPHY	SB		ELECTRIC						
PROFILE			CABLE TV						
SANITARY SEWER			TRAFFIC SIGNAL						
STORM SEWER			DESIGN						
WATER			QUANTITIES						
GAS			MUN. FINAL CHECK						

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

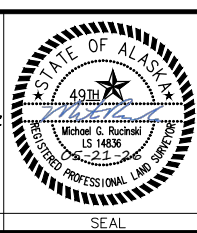
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 BY: _____ TITLE: _____
 DATE: _____

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ANCHORAGE AK
99503

PHONE NUMBER:
907-793-3000

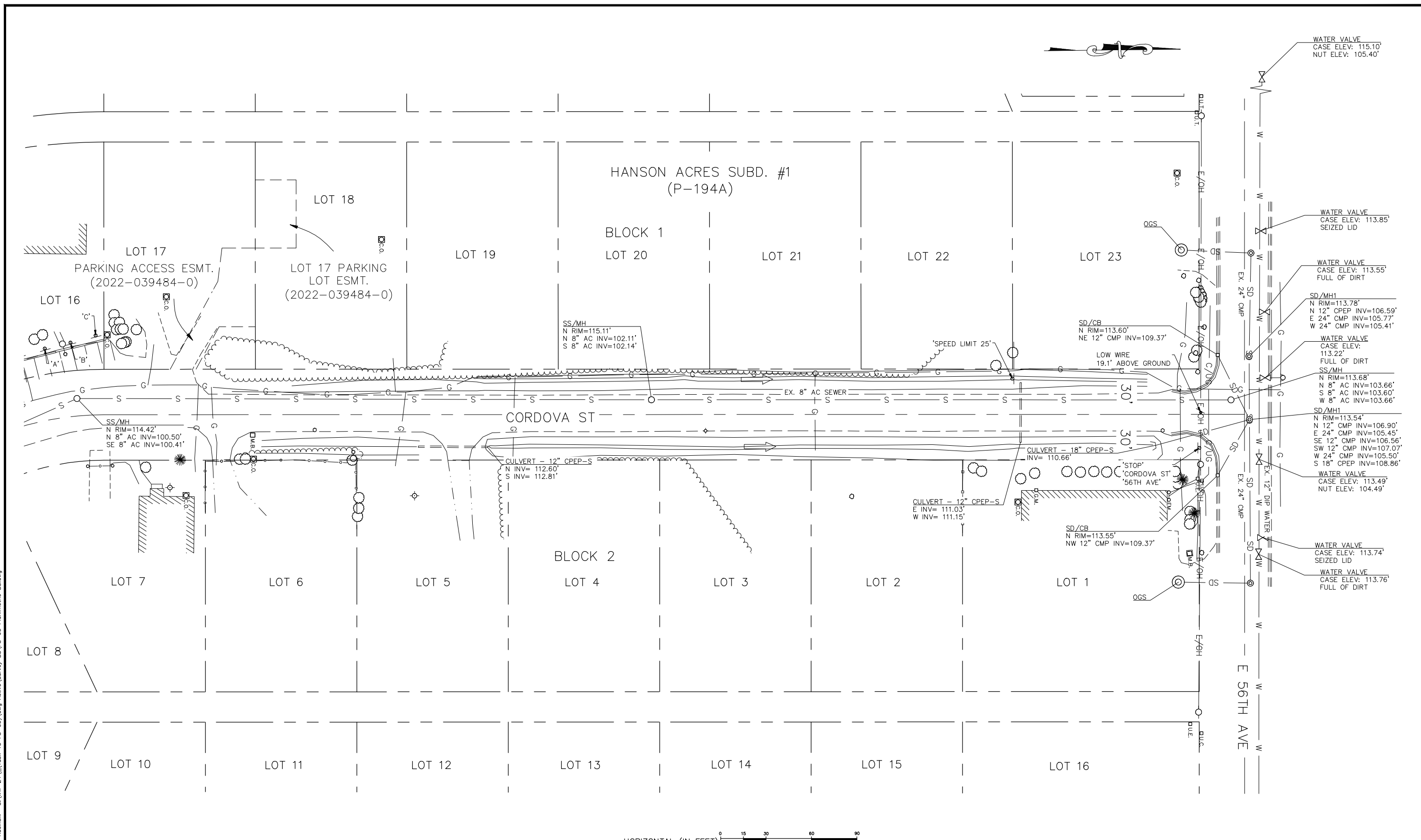
56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT

SURVEY CONTROL SHEET

HORZ SCALE: 1"=100'
 VERT SCALE: NA
 DATE: 5/2026
 GRID: SW1931
 AWWU PRIVATE DEVELOPMENT #: W26-006

SHEET 3 of 11

2019/10/02 2:08 PM By: Mike Ruchinski S:\WW-24\Task 13 FS-05\Survey BS\FS-05 SCS.dwg



2019/10/02 2:08 PM By: Mike Ruchinski S:\VW-24\Task 13 FS-05\dwg Active Survey BS\FS-05 Planimetric BS.dwg



VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.	
DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE	SB		TELEPHONE		
TOPOGRAPHY	SB		ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			TRAFFIC SIGNAL		
STORM SEWER			DESIGN		
WATER			QUANTITIES		
GAS			MIN. FINAL CHECK		
PLAN CHECK			REVISIONS		

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

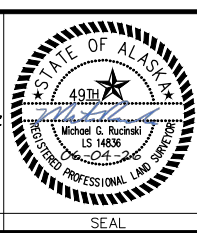
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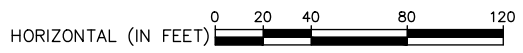
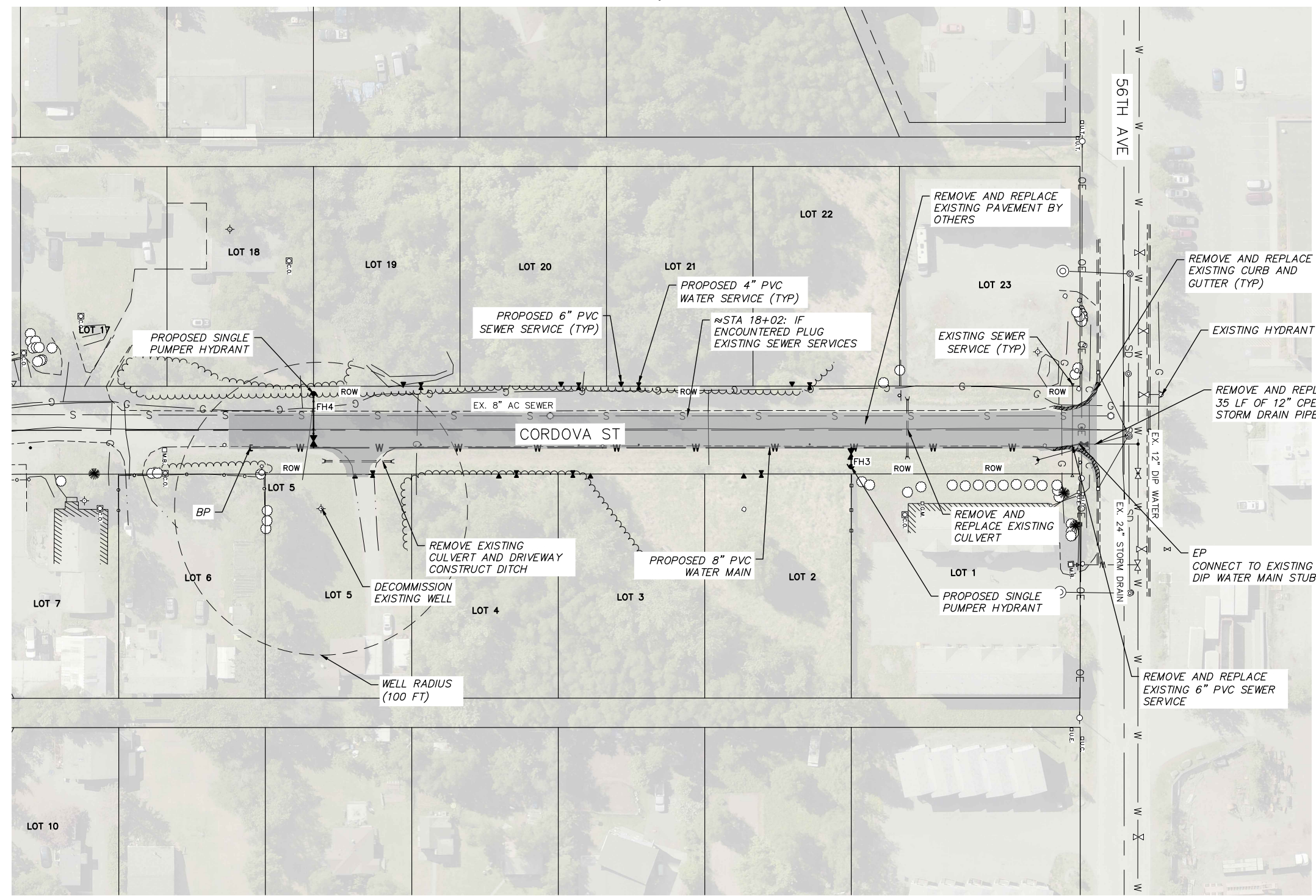
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 ANCHORAGE AK
 99503

PHONE NUMBER:
 907-793-3000

56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT	
SURVEY BASE SHEET	
HORIZ SCALE: 1"=30'	DATE: 6/2026
VERT SCALE: NA	GRID: SW1931
AWWU PRIVATE DEVELOPMENT #: W26-006	SHEET 4 of 11

DEMOLITION NOTES:

1. THE HORIZONTAL AND VERTICAL LOCATION OF BURIED DEEP UTILITIES ARE BASED UPON SURVEY AND RECORD DRAWING INFORMATION. UNDERGROUND GAS, FIBER OPTIC, AND ELECTRICAL UTILITY LOCATIONS ARE BASED UPON FIELD LOCATES WITH AN ASSUMED DEPTH OF BURIAL. THE CONTRACTOR SHALL CALL FOR FIELD LOCATES TO VERIFY UTILITY LOCATIONS, AND SHALL COORDINATE WITH UTILITY COMPANIES AS REQUIRED. COORDINATION IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
2. LOCATION OF SEWER SERVICES ARE BASED ON CONNECT CARDS. LOCATION MAY NOT BE ACCURATE. THE CONTRACTOR SHALL PROTECT THE SEWER SERVICES WHERE SEWER SERVICES ARE CROSSED DURING INSTALLATION OF THE WATER LINE. IF DAMAGED, THEY SHALL BE REPAIRED PER SECTION 50.04 OF THE SPECIAL PROVISIONS.
3. THE EXISTING WELL ON LOT 5 SHALL BE DECOMMISSIONED IAW MASS SECTION 60.08 DECOMMISSION WATER SERVICE COMPONENTS. WORK IS TO BE COMPLETED PRIOR TO FINAL APPROVAL FROM AWWU.
4. CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION SURVEY TO RESTORE ROAD AND DRAINAGE FACILITIES TO EXISTING CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.	
DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			TRAFFIC SIGNAL		
STORM SEWER			DESIGN		
WATER			QUANTITIES		
GAS			MUN. FINAL CHECK		
PLAN CHECK			REVISIONS		

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

1. DATA PROVIDED BY: _____
 This shall serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.
 CONTRACTOR: _____ TITLE: _____
 BY: _____ DATE: _____

2. DATA TRANSFERRED BY: _____
 COMPANY: _____ TITLE: _____
 BY: _____ DATE: _____

3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.
 DATA TRANSFER CHECKED BY: _____
 COMPANY: _____ TITLE: _____
 BY: _____ DATE: _____

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P&T
 CONSULTING • ENGINEERING • SURVEYING
 912 EAST 15TH AVE, SUITE 200
 ANCHORAGE, ALASKA 99501
 PHONE: (907) 561-6237
 LICENSE# AECC924

STATE OF ALASKA
 49TH
 Patrick L. Butler
 LICENSE NO. 9122
 06/04/2026
 REGISTERED PROFESSIONAL ENGINEER

OWNER:
 COOK INLET HOUSING AUTHORITY

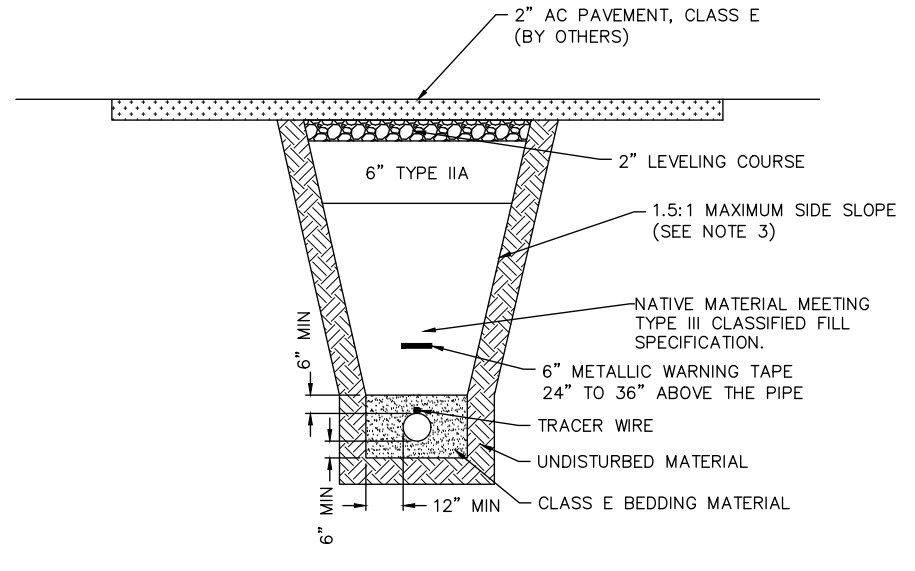
ADDRESS:
 3510 SPENARD ROAD
 ANCHORAGE AK
 99503

PHONE NUMBER:
 907-793-3000

56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT

SITE MAP

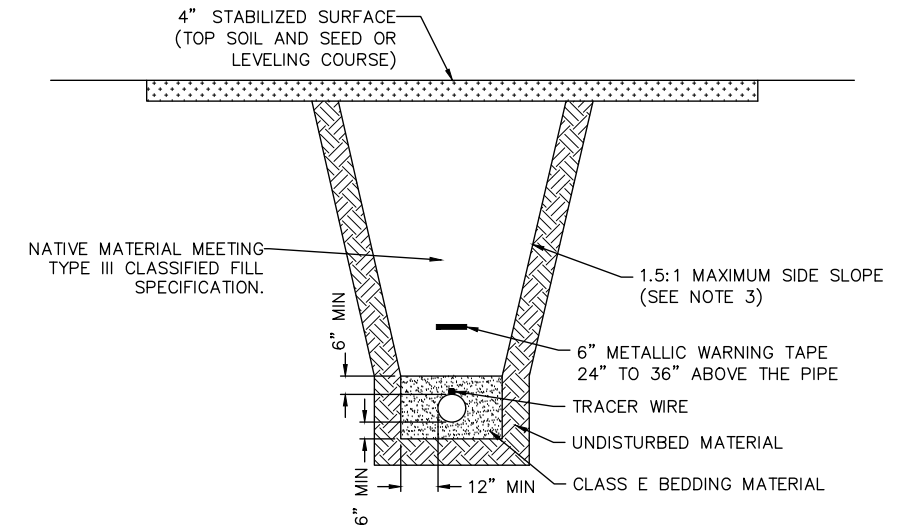
HORZ SCALE: 1" = 40'	DATE: 06/2026	GRID: SW1931
VERT SCALE: N/A		
AWWU PRIVATE DEVELOPMENT #: W26-006		SHEET 5 of 11



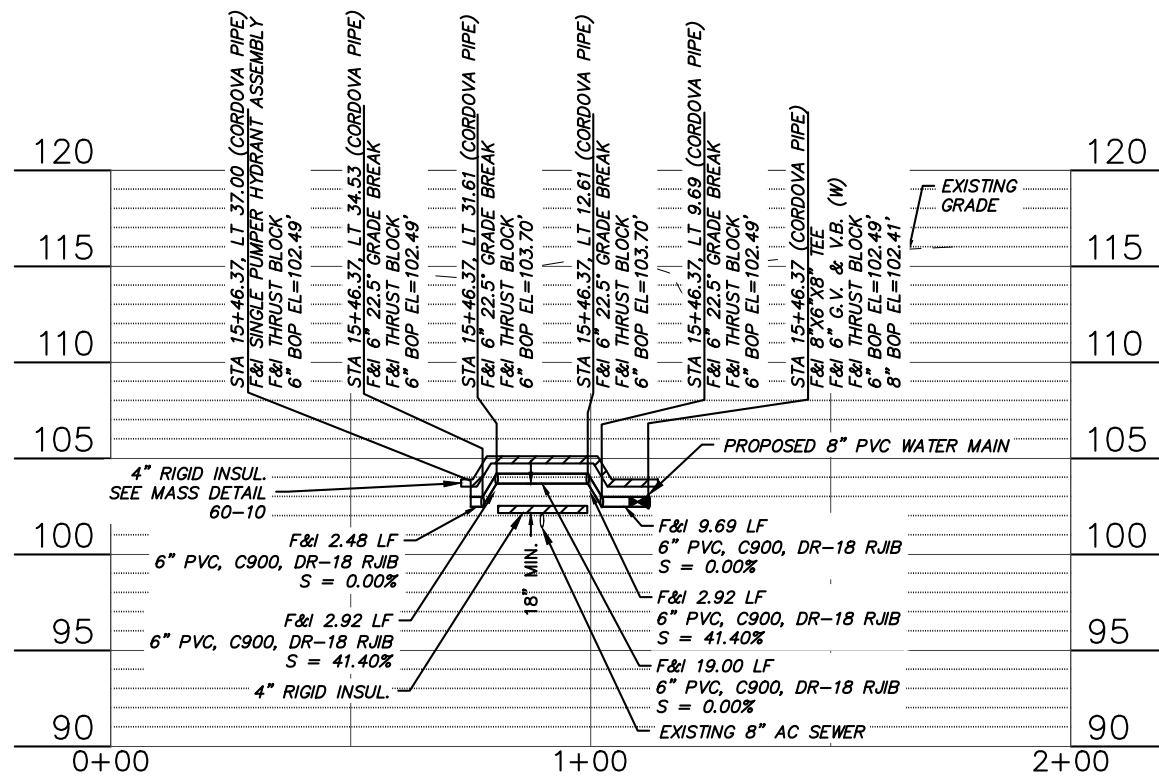
A ROAD PAVEMENT CUT REPLACEMENT DETAIL
NOT TO SCALE

PAVEMENT REPLACEMENT NOTES

1. ALL BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE AS DETERMINED BY AASHTO T-180 METHOD D.
2. ALL BACKFILL SHALL BE COMPACTED IN MINIMUM 12" LIFTS OR AS ACCEPTED BY THE ENGINEER.
3. CONTRACTOR SHALL LIMIT THE EXTENT OF EXCAVATION AND MAY USE A TRENCH BOX AS AN ALTERNATIVE.
4. CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION SURVEY TO RESTORE ROAD AND DRAINAGE FACILITIES TO EXISTING CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



B TYPICAL TRENCH REPLACEMENT DETAIL (OUTSIDE OF PAVED AREAS)
NOT TO SCALE



- NOTE:**
1. MAINTAIN A MINIMUM OF EIGHTEEN (18) INCHES VERTICAL SEPARATION BETWEEN THE HYDRANT LEG AND SANITARY SEWER MAIN. HYDRANT LEG PIPE JOINTS SHALL BE PLACED AT LEAST NINE (9) FEET FROM THE SEWER LINE CROSSING.

C FIRE HYDRANT PIPING DETAIL STA 15+46
NOT TO SCALE

2019/10/02 2:08 PM By: Pat Butler S:\VW-24\Task 13 FS-05\dwg Active\FS-05 CIHA PD WS.dwg

VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.	
DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			TRAFFIC SIGNAL		
STORM SEWER			DESIGN		
WATER			QUANTITIES		
GAS			MUN. FINAL CHECK		
PLAN CHECK			REVISIONS		

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

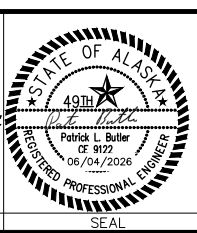
1. DATA PROVIDED BY: _____
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 CONTRACTOR: _____ TITLE: _____
 BY: _____ DATE: _____

2. DATA TRANSFERRED BY: _____
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 BY: _____ DATE: _____

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 DATA TRANSFER CHECKED BY: _____
 COMPANY: _____ TITLE: _____
 BY: _____ DATE: _____

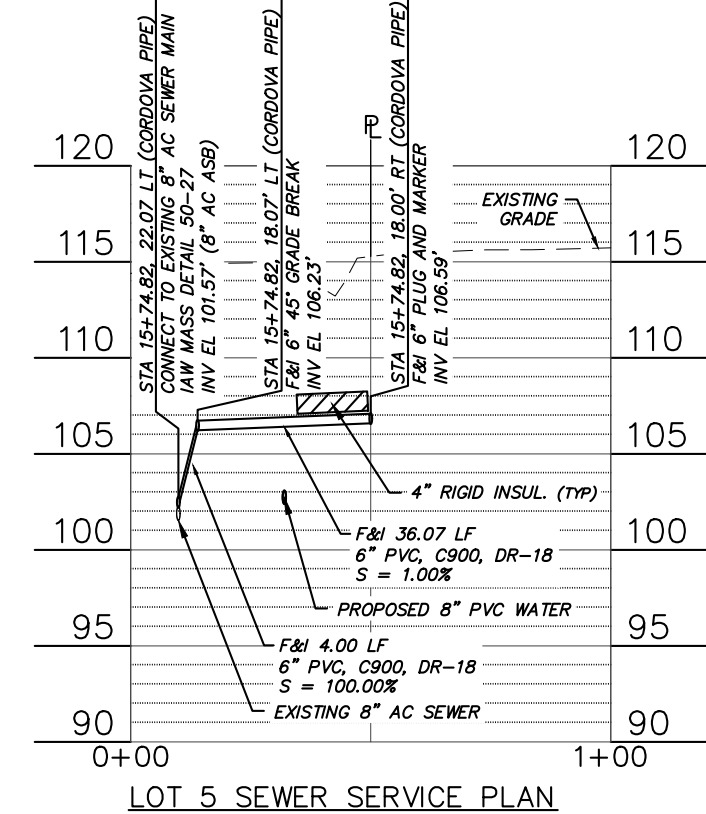
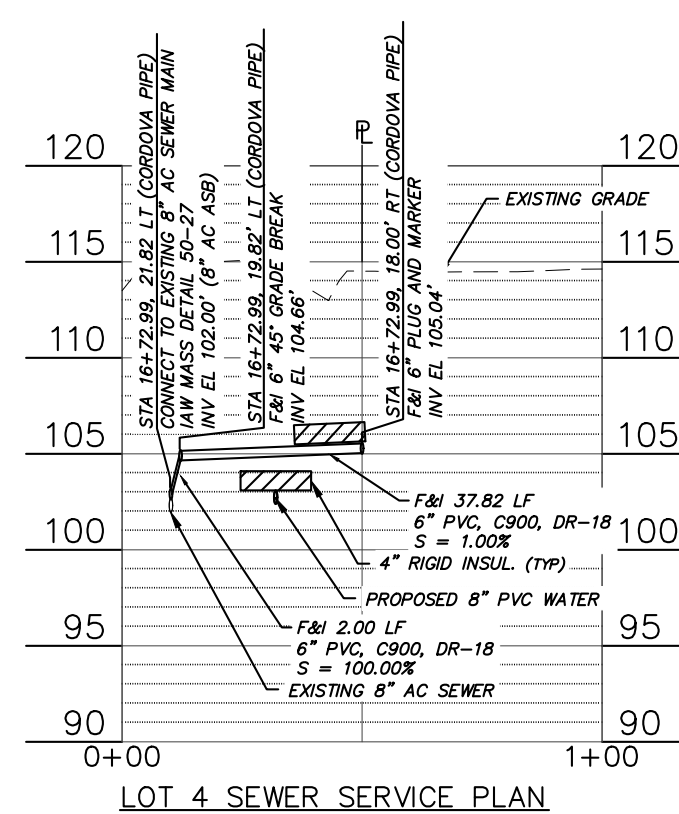
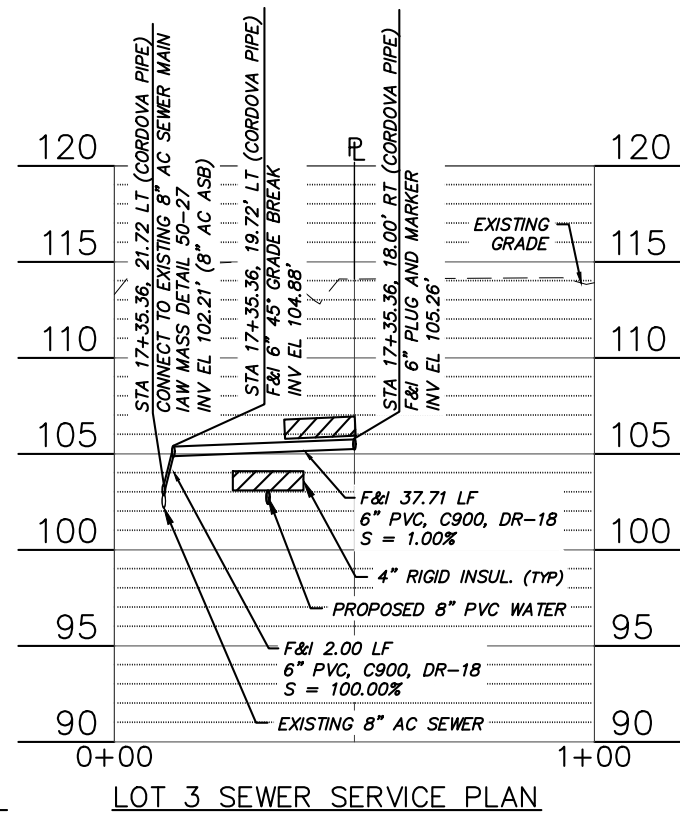
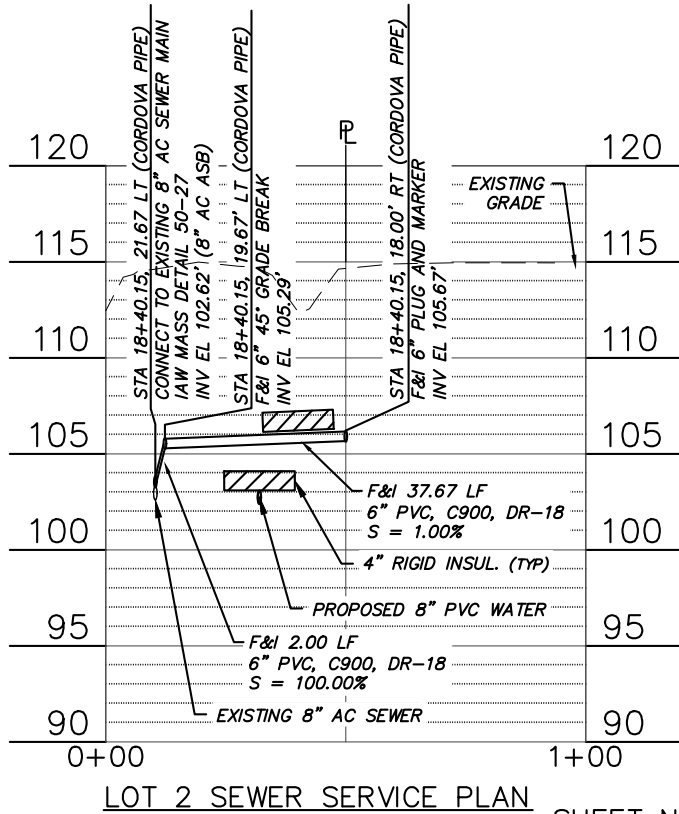
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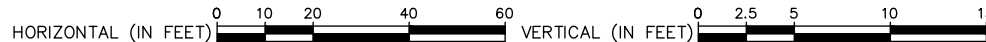
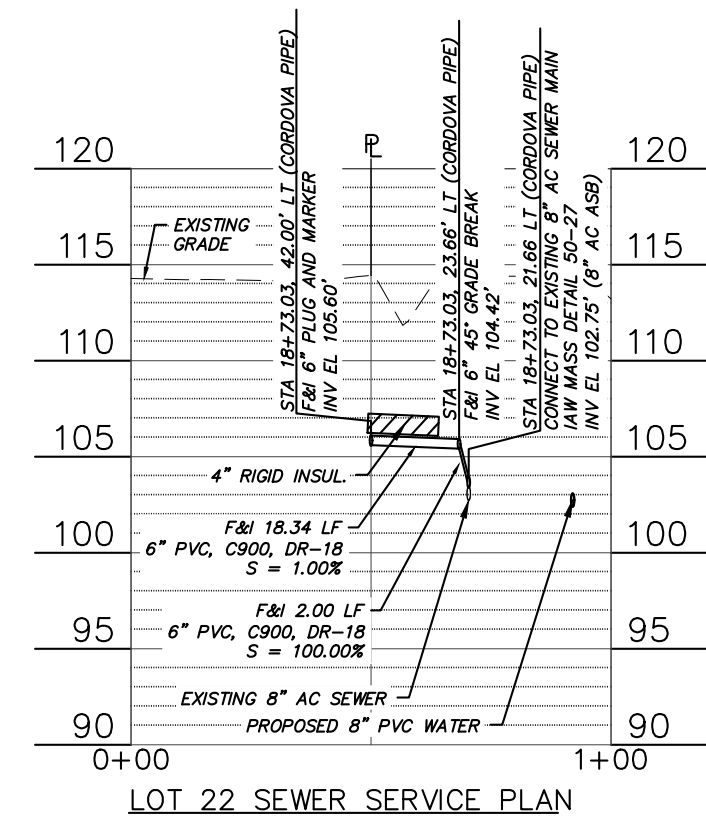
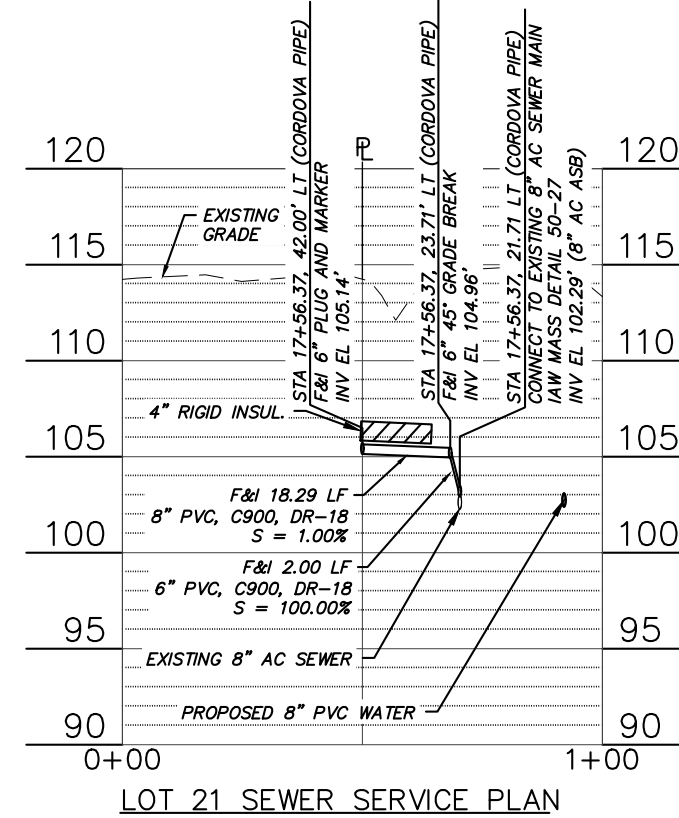
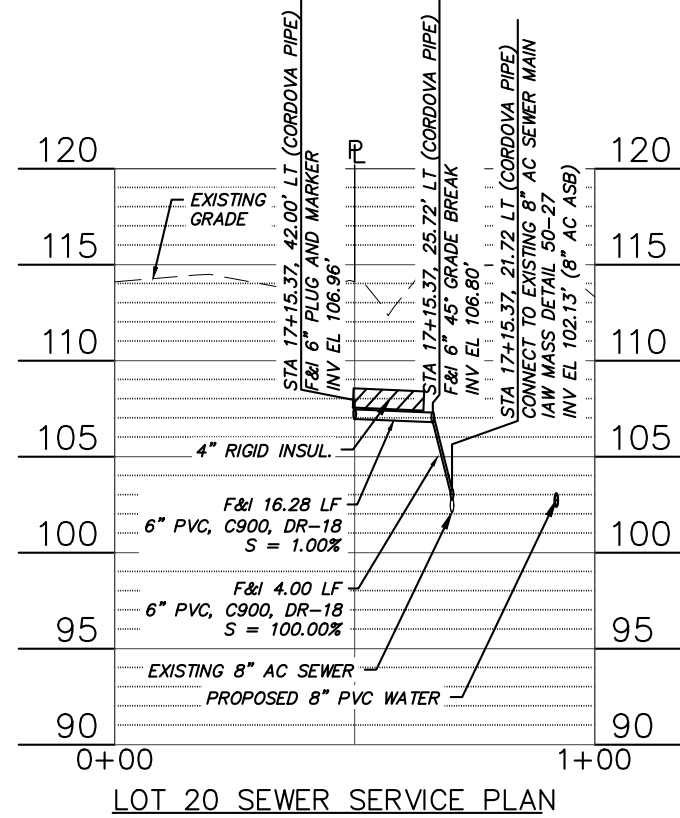
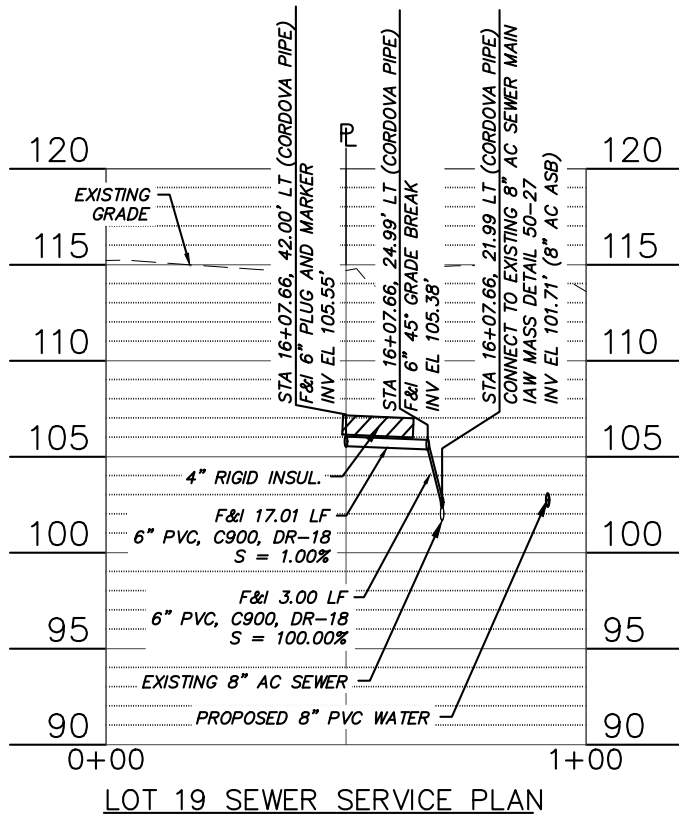
OWNER: COOK INLET HOUSING AUTHORITY
 ADDRESS: 3510 SPENARD ROAD ANCHORAGE AK 99503
 PHONE NUMBER: 907-793-3000

56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT			
TYPICAL SECTIONS AND HYDRANT DETAIL			
HORIZ SCALE: N/A	DATE: 06/2026	GRID: SW1931	SHEET 6 of 11
AWWU PRIVATE DEVELOPMENT #: W26-006			



SHEET NOTE:

1. WHERE SEWER SERVICES CROSS THE DRAINAGE DITCHES, OR 8 FEET OF COVER CANNOT BE MAINTAINED, THE SERVICE WILL BE INSULATED WITH 4" OF INSULATION IAW MASS DETAIL 20-9.



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VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.	
DATA	DRAWN BY	CHECKED BY	DATE	DESCRIPTION	BY
BASE					
TOPOGRAPHY					
PROFILE					
SANITARY SEWER					
STORM SEWER					
WATER					
GAS					
PLAN CHECK			REVISIONS		

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CONTRACTOR: _____		COMPANY: _____	
BY: _____ TITLE: _____		BY: _____ TITLE: _____	
DATE: _____		DATE: _____	
2. DATA TRANSFERRED BY: _____			
COMPANY: _____			
BY: _____ TITLE: _____			
DATE: _____			

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SEAL

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ADDRESS: 3510 SPENARD ROAD ANCHORAGE AK 99503

PHONE NUMBER: 907-793-3000

56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT

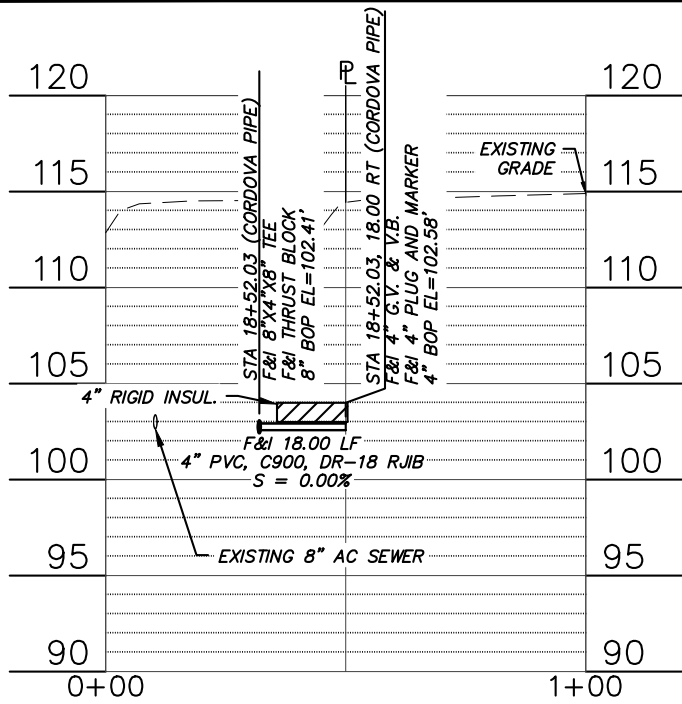
CORDOVA ST SEWER SERVICE PROFILES

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

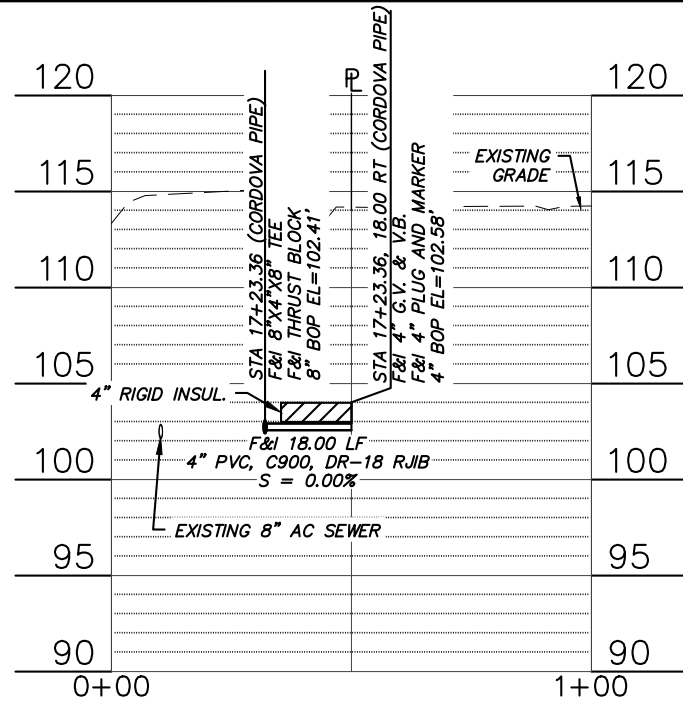
DATE: 06/2026 GRID: SW1931

AWWU PRIVATE DEVELOPMENT #: W26-006

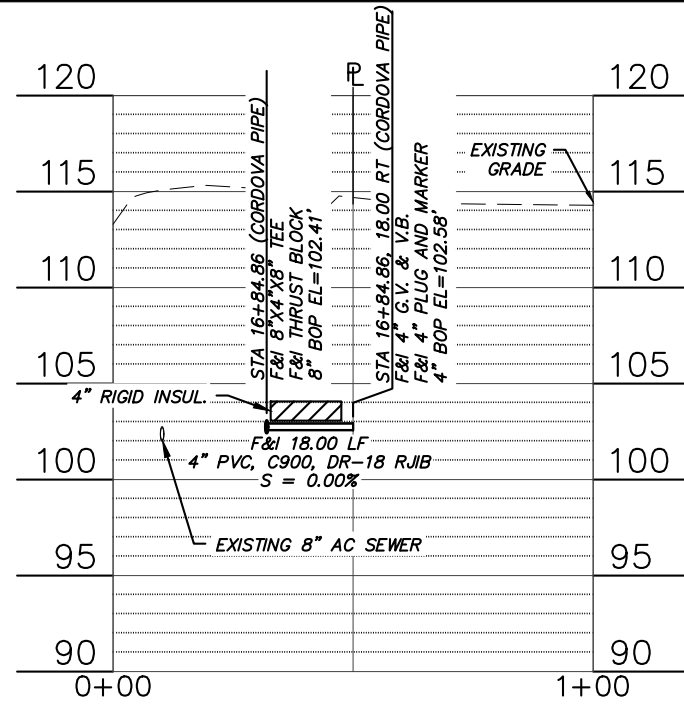
SHEET 9 of 11



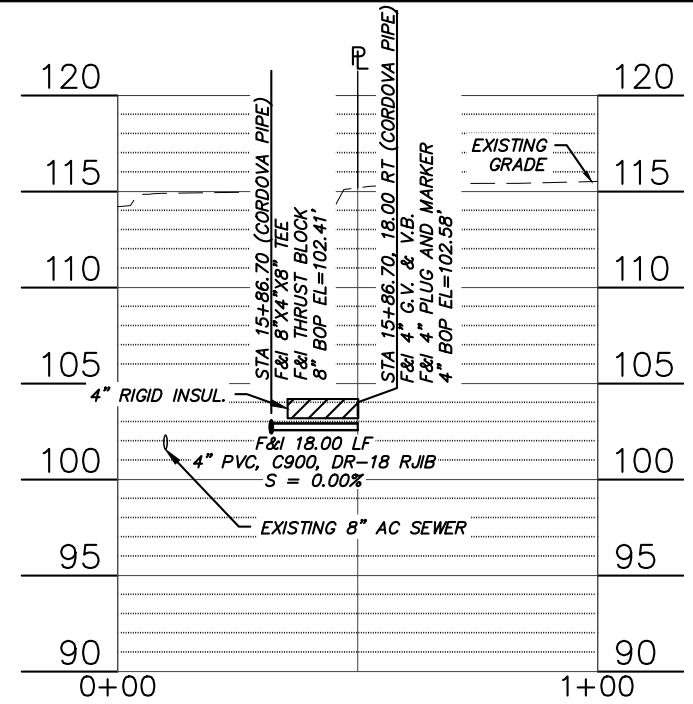
LOT 2 WATER SERVICE PLAN
STA 18+40.03



LOT 3 WATER SERVICE PLAN
STA 17+33.78



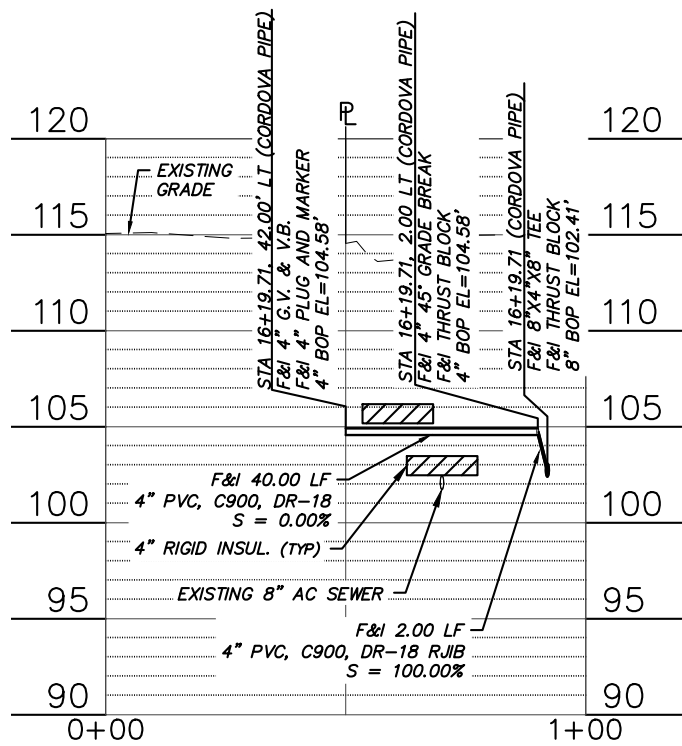
LOT 4 WATER SERVICE PLAN



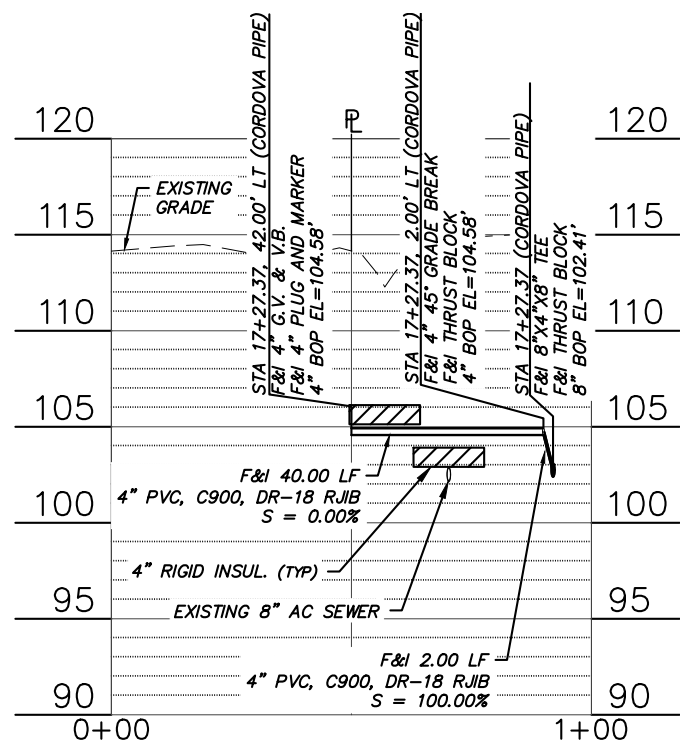
LOT 5 WATER SERVICE PLAN

SHEET NOTES:

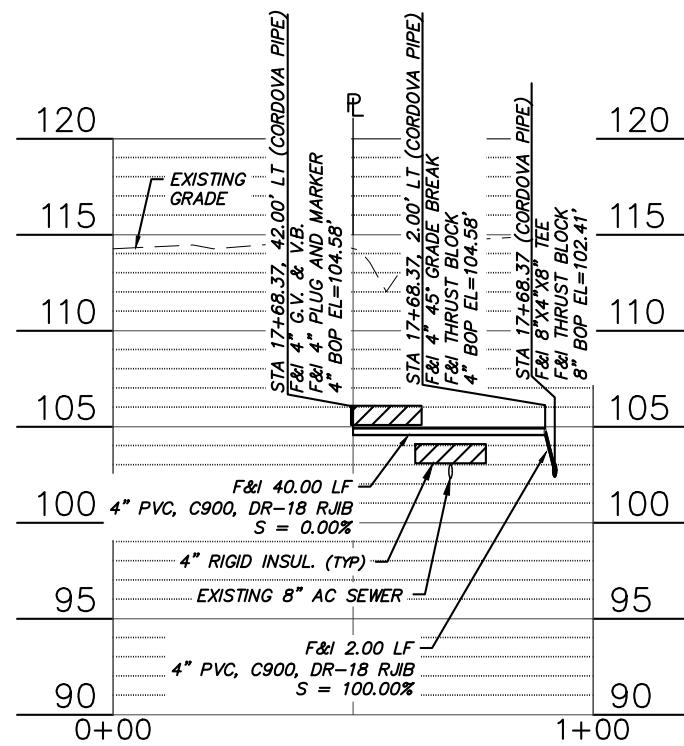
- WHERE WATER SERVICES CROSS THE DRAINAGE DITCHES, OR 10 FEET OF COVER CANNOT BE MAINTAINED, THE SERVICE WILL BE INSULATED WITH 4" OF INSULATION IAW MASS DETAIL 20-9.
- SEE WATER NOTE 12, SHEET 2 FOR TESTING AND CHLORINATION REQUIREMENTS.



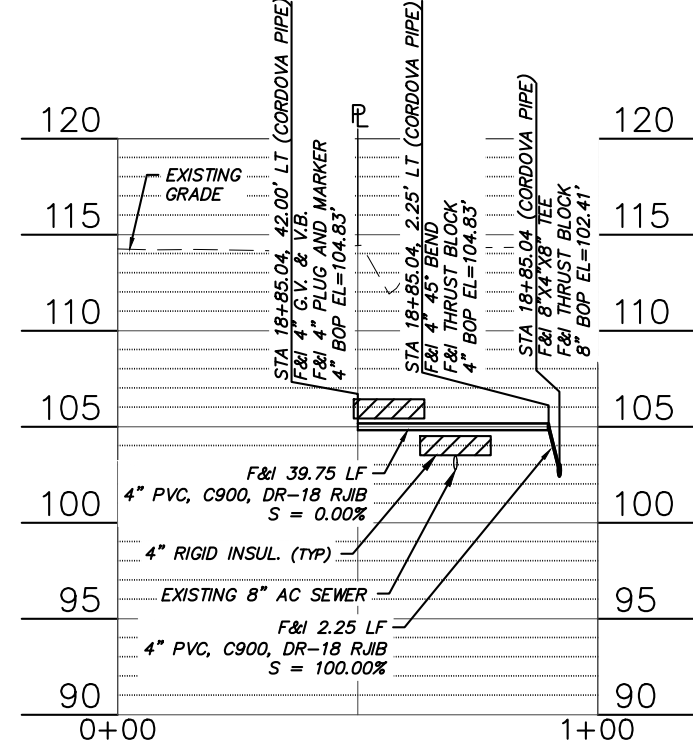
LOT 19 WATER SERVICE PLAN



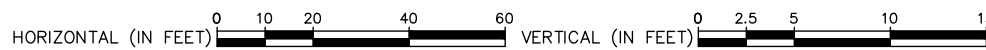
LOT 20 WATER SERVICE PLAN



LOT 21 WATER SERVICE PLAN



LOT 22 WATER SERVICE PLAN



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VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.	
DATA	DRAWN BY	CHECKED BY	DATE	REV	DESCRIPTION
BASE					
TOPOGRAPHY					
PROFILE					
SANITARY SEWER					
STORM SEWER					
WATER					
GAS					
PLAN CHECK					
REVISIONS					

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		COMPANY:	
		TITLE:	
		DATE:	

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56TH AVENUE AND CORDOVA STREET WATER DISTRIBUTION MAIN PROJECT

CORDOVA ST WATER SERVICE PROFILES

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'
DATE: 06/2026
GRID: SW1931
AWWU PRIVATE DEVELOPMENT #: W26-006

SHEET 10 of 11

