

CALL BEFORE YOU DIG
 CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING IS A PARTIAL LIST:
 STATE STORM/STREETLIGHTS 333-2411
 ALASKA RAILROADS 265-2520
 MILITARY FUEL LINES 522-3760
 LOCATE CENTER OF ALASKA:
 ANCHORAGE 278-3121
 STATEWIDE 1-800-478-3121
 (INCLUDES ADOT, ATU, AWWU, CEA, ENSTAR, GCI, MTA, MEA, ML&P, MOA TRAFFIC SIGNALS, MOA STORM/STREETS)

CAUTION
 EXISTING UTILITY LOCATIONS ARE APPROXIMATE.
 CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

ABBREVIATIONS

- AC ACRES
- BLDG BUILDING
- BOP BOTTOM OF PIPE
- EL ELEVATION
- EXST EXISTING
- FFE FINISHED FLOOR ELEVATION
- FT FEET
- INV INVERT
- LF LINEAR FEET
- MAX MAXIMUM
- MIN MINIMUM
- ROW RIGHT OF WAY
- SF SQUARE FEET
- SSMH SANITARY SEWER MANHOLE
- STA STATION
- TYP TYPICAL
- UG UNDERGROUND

CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE STATE OF ALASKA AND CITY AND BOROUGH OF YAKUTAT CODES, STANDARDS, ORDINANCES AND REGULATIONS.
2. THE CONTRACTOR IS REQUIRED TO COMPLY WITH CITY AND BOROUGH OF YAKUTAT NOISE AND HOURS OF OPERATION REQUIREMENTS.
3. ALL EXCAVATED ORGANIC MATERIALS SHALL BE CLEARED AND REMOVED FROM THE SITE. ONLY CLASSIFIED FILL MATERIALS SHALL BE USED UNLESS OTHERWISE SPECIFIED.
4. ALL MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A LEGAL MANNER. CONTRACTOR IS TO PROVIDE CERTIFICATION AND RECEIPTS OF THE DISPOSAL LOCATION(S) TO THE OWNER.
5. CLASSIFIED FILLS SHALL BE HAULED FROM A CERTIFIED SITE AND SHALL MEET THE REQUIREMENTS OF THE CITY AND BOROUGH OF YAKUTAT STANDARD SPECIFICATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ALONG ALL HAUL ROUTES, AND SHALL IMPLEMENT APPROPRIATE ACTIONS TO MINIMIZE DUST AND TRACKING ONTO THE STREETS. ALL STREETS ARE TO BE KEPT CLEAR OF DIRT AND DEBRIS. STREETS SHALL BE SWEEP IMMEDIATELY WHEN DIRT HAS BEEN TRACKED ONTO THE PAVED SURFACES.
7. ALL CLASSIFIED FILLS SHALL BE INSTALLED IN 12" LIFTS (MAXIMUM) AND COMPACTED TO 95% OF MAXIMUM DENSITY.
8. ALL FINISH GRADE SLOPES SHALL NOT EXCEED A 2H:1V RATIO.
9. ALL DISTURBED AREAS SHALL BE SEEDED OR VEGETATED UPON THE COMPLETION OF CONSTRUCTION TO PREVENT EROSION.

SURVEY NOTES

1. FIELD SURVEY INFORMATION PER AS-BUILT AND TOPOGRAPHIC SURVEY OF XEITLAANI' SUBDIVISION, PREPARED BY PDC ENGINEERS DATED AUGUST 22, 2018.
2. THE FOUR (4) LOTS SHOWN HEREON IS A REPLAT OF LOT 1, LOT 2, AND LOT 3 BLOCK 3 OF XEITLAANI' (THUNDERLAND) SUBDIVISION THAT IS CURRENTLY UNDERGOING A PLATTING ACTION BY PDC ENGINEERS.

SHEET INDEX	
SHEET NO.	TITLE
C1.0	VICINITY MAP, SITE MAP, ABBREVIATIONS, & GENERAL NOTES
C2.0	WATER SERVICE CONNECTION
C3.0	SEWER MAIN EXTENSION AND SEWER SERVICE CONNECTION
C4.0	TYPICAL DETAILS



DATE: _____

REVISION: _____



YAKUTAT HOUSING
 Xeitlaani' Subdivision, Yakutat, Alaska

VICINITY MAP, SITE MAP, ABBREVIATIONS, GENERAL NOTES

CLIENT:
 Yakutat Tiingit Tribe

ADDRESS:
 P.O. Box 418
 Yakutat, Alaska 99686

JOB NUMBER: 2018-2521

DRAWN BY: VFS
 CHECKED BY: CLB
 SCALE: AS SHOWN

DATE:
 08/24/2018

SHEET:
C1.0



DATE: _____

REVISION: _____

BELL & ASSOCIATES
 ENGINEERING | SURVEYING | 3D SCANNING

801 WEST FOREMAN LANE SUITE 201
 ANCHORAGE, AK 99503
 (907)274-5257
 www.bellalaska.com

YAKUTAT HOUSING
 Xeitlaani' Subdivision, Yakutat, Alaska

WATER SERVICE CONNECTION

CLIENT:
Yakutat Tlingit Tribe

ADDRESS:
P.O. Box 418
Yakutat, Alaska 99686

JOB NUMBER: 2018-2521

DRAWN BY: VFS
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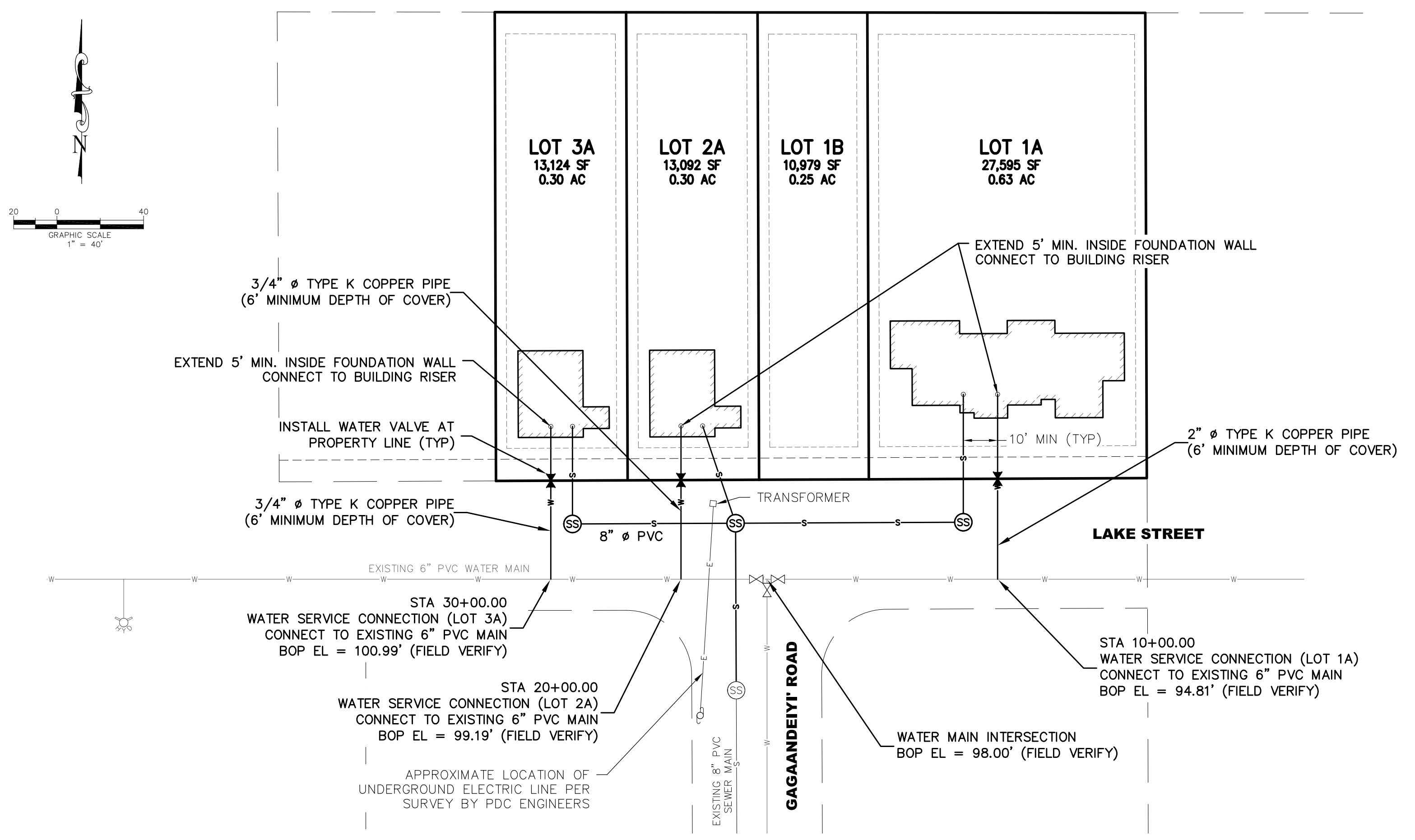
SHEET:
C2.0

LEGEND

EXISTING	PROPOSED	
		WATER VALVE
		FIRE HYDRANT
		SANITARY SEWER MANHOLE
		POWER POLE
		PROPERTY LINES
		ADJACENT PROPERTY LINES
		PROPERTY EASEMENT
		BUILDING SETBACK
		SANITARY SEWER LINE
		WATER LINE
		BUILDING HATCH

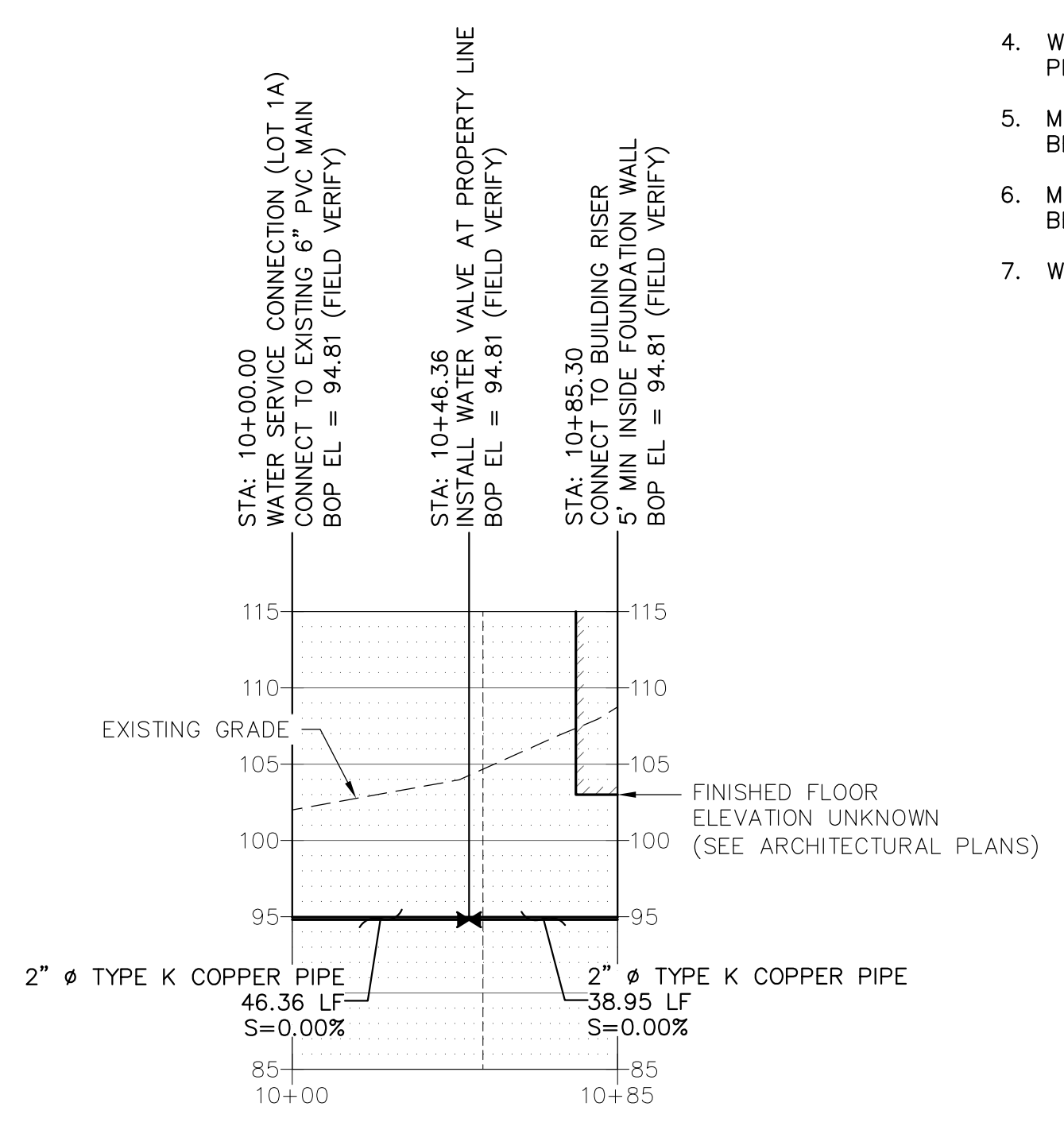
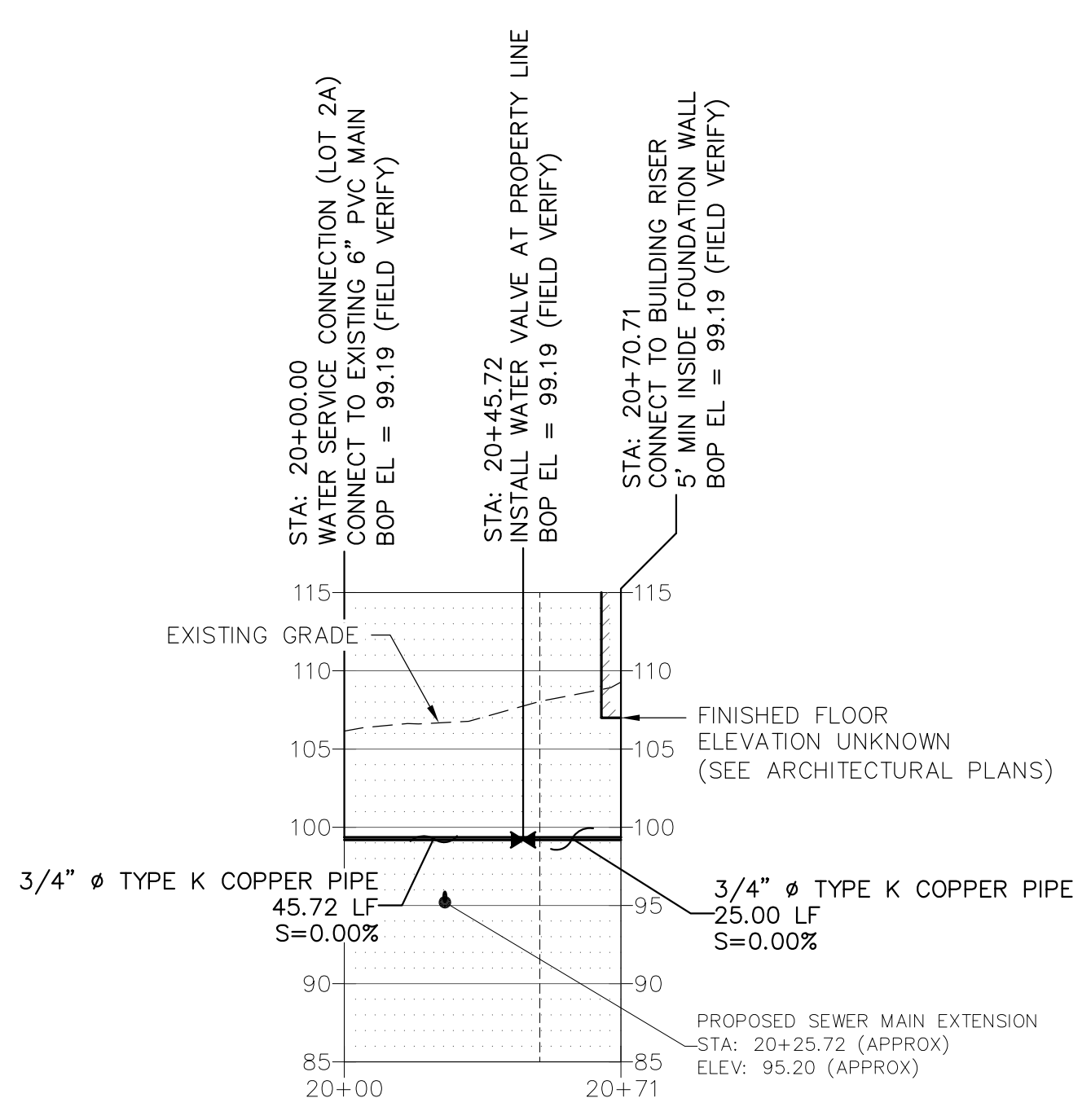
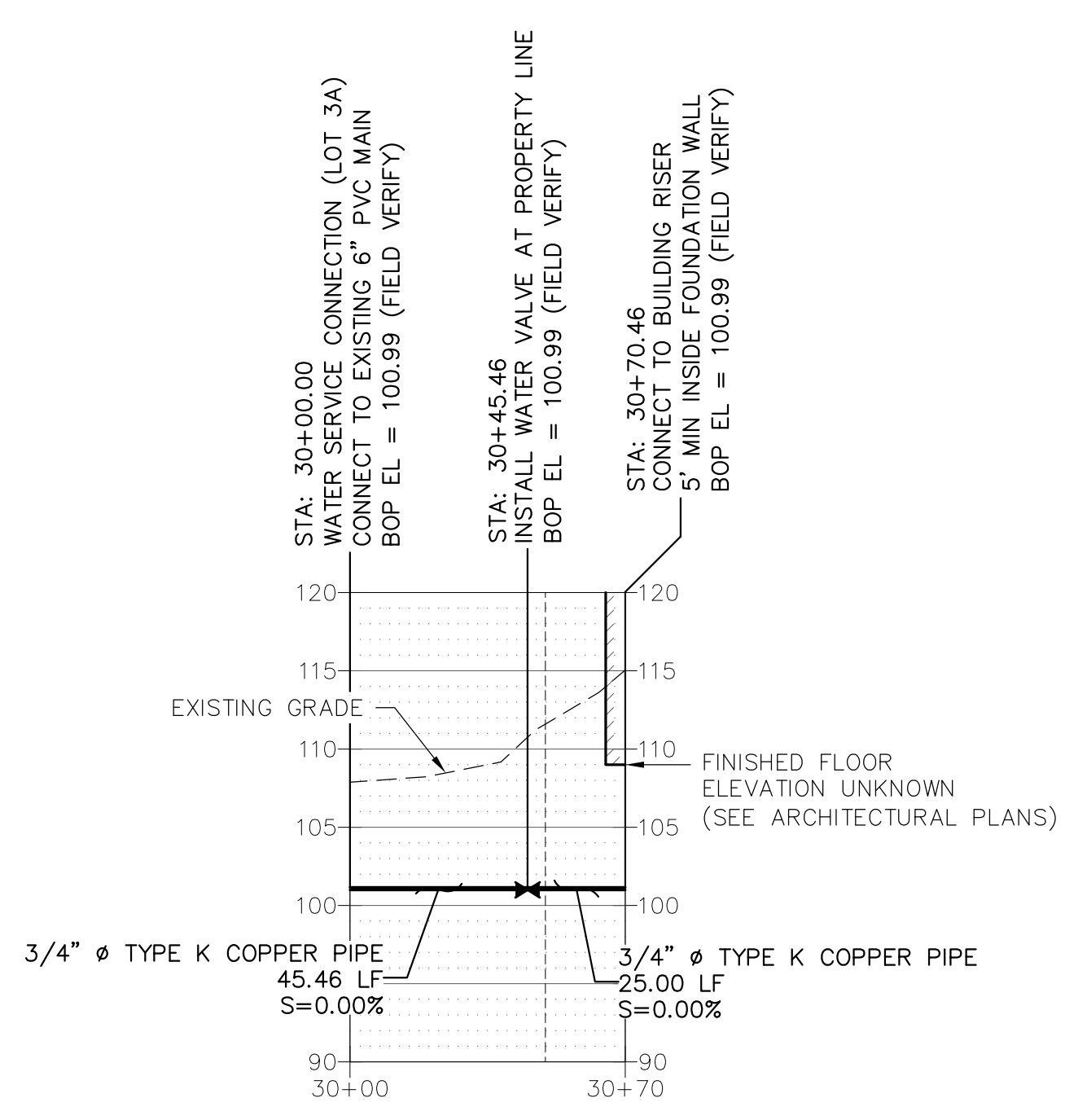
WATER NOTES

- ALL CONSTRUCTION AND MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE STATE OF ALASKA AND CITY AND BOROUGH OF YAKUTAT CODES, STANDARDS, ORDINANCES AND REGULATIONS.
- CONTRACTOR SHALL FIELD VERIFY DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION INCLUDING DEPTH OF WATER MAIN.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO INSTALLATION OF WATER SERVICE CONNECTION. SCHEDULE WITH THE UTILITY FOR SCHEDULING OF CONNECTION.
- WATER SERVICE SUPPLY SHALL BE TYPE K SOFT DRAWN COPPER PIPE, SIZE AS SHOWN ON THIS DRAWING.
- MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN WATER PIPING AND SANITARY SEWER PIPING.
- MAINTAIN A MINIMUM OF TWO (2) FEET VERTICAL SEPARATION BETWEEN WATER PIPING AND SANITARY SEWER PIPING.
- WATER PIPING SHALL HAVE A MINIMUM COVER OF SIX (6) FEET.



WATER SERVICE CONNECTION PLAN

SCALE 1/40



WATER SERVICE CONNECTION PROFILES

SCALE 1/40H 1/10V



DATE:	
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ANCHORAGE AK 99503
(907)274-5257
www.bellalaska.com

YAKUTAT HOUSING
Xeitiiaani' Subdivision, Yakutat, Alaska

**SEWER MAIN EXTENSION
SEWER SERVICE CONNECTION**

CLIENT:
Yakutat Tiingit Tribe

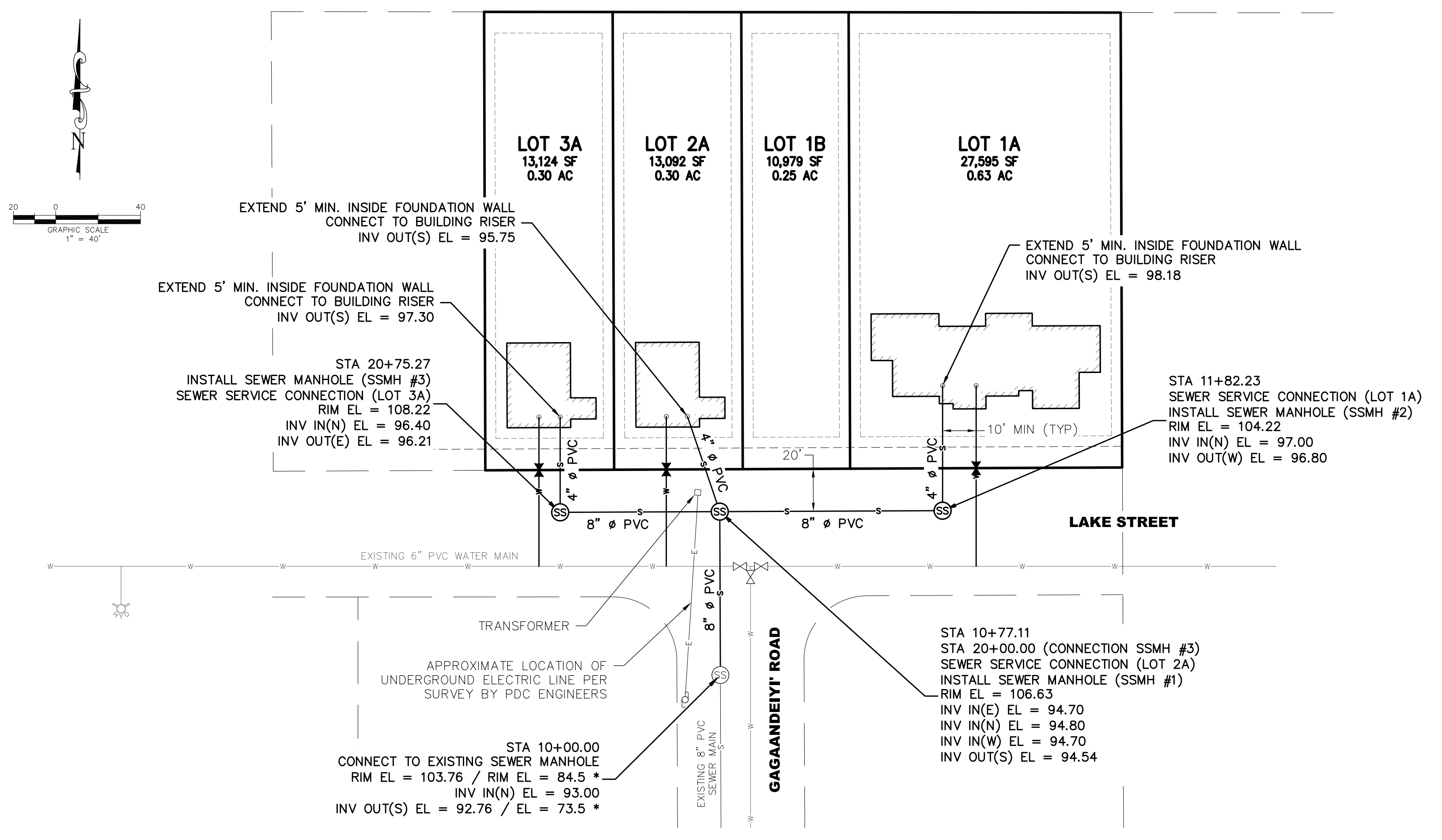
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SEWER MAIN EXTENSION & SEWER SERVICE CONNECTION PLAN

SCALE 1:40

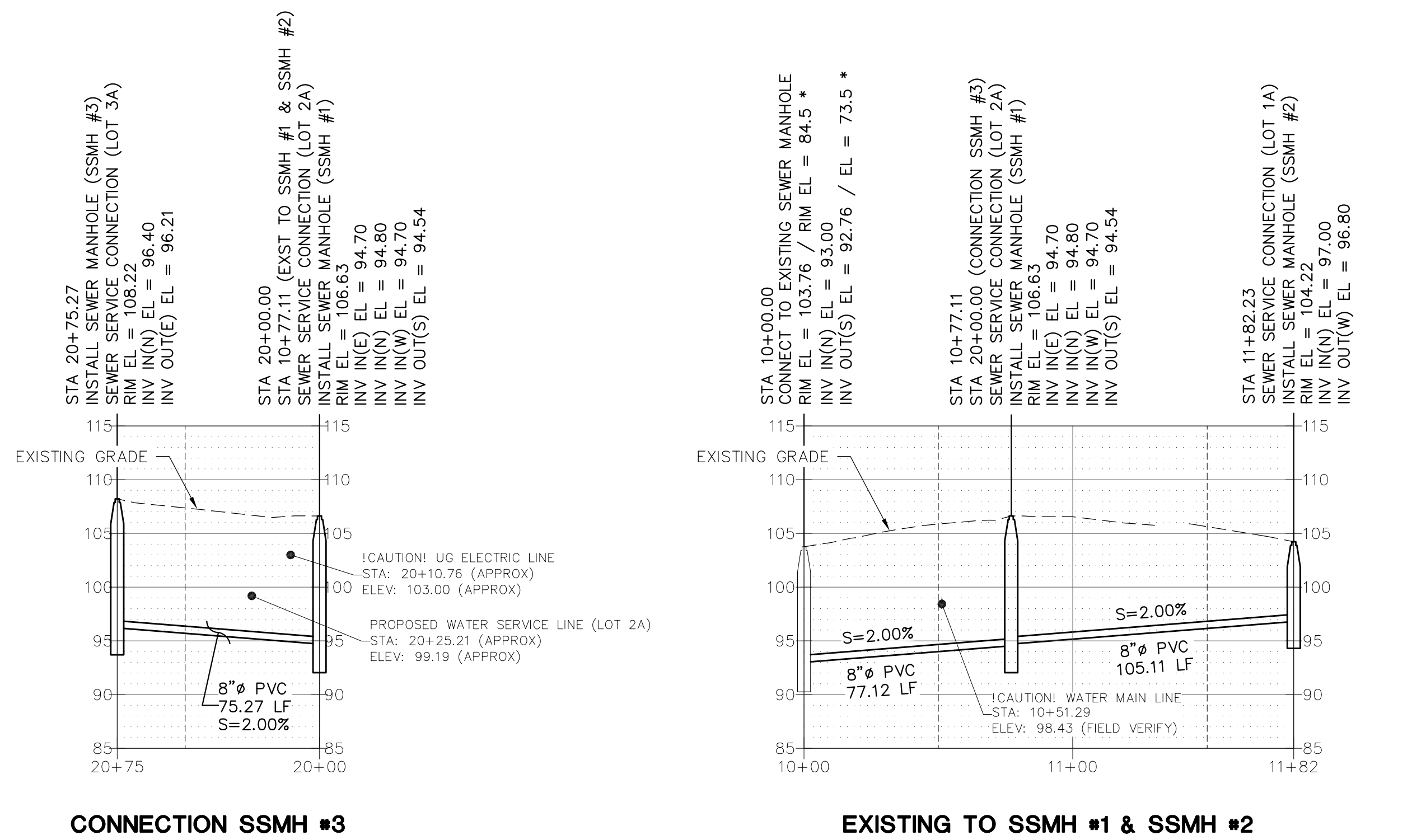
LEGEND

EXISTING	PROPOSED	
		WATER VALVE
		FIRE HYDRANT
		SANITARY SEWER MANHOLE
		POWER POLE
		PROPERTY LINES
		ADJACENT PROPERTY LINES
		PROPERTY EASEMENT
		BUILDING SETBACK
		SANITARY SEWER LINE
		WATER LINE
		BUILDING HATCH

SEWER NOTES

- ALL CONSTRUCTION AND MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE STATE OF ALASKA AND CITY AND BOROUGH OF YAKUTAT CODES, STANDARDS, ORDINANCES AND REGULATIONS.
- CONTRACTOR SHALL FIELD VERIFY DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO INSTALLATION OF SEWER MAIN EXTENSION AND SEWER SERVICE CONNECTION.
- SEWER MAIN EXTENSION AND SERVICE SUPPLY SHALL BE PVC SDR 35, SIZE AS SHOWN ON THIS DRAWING, WITH A MINIMUM SLOPE OF 2%.
- MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN WATER PIPING AND SANITARY SEWER PIPING.
- MAINTAIN A MINIMUM OF TWO (2) FEET VERTICAL SEPARATION BETWEEN WATER PIPING AND SANITARY SEWER PIPING.
- SEWER PIPING SHALL HAVE A MINIMUM COVER OF FIVE (5) FEET.

* ELEVATION BASED ON CONSTRUCTION PLANS, SANITATION FACILITIES, YAKUTAT, ALASKA, PROJECT NO. AN-92-075, SHEET C-4, SEWER MAIN EXTENSION PROFILE.

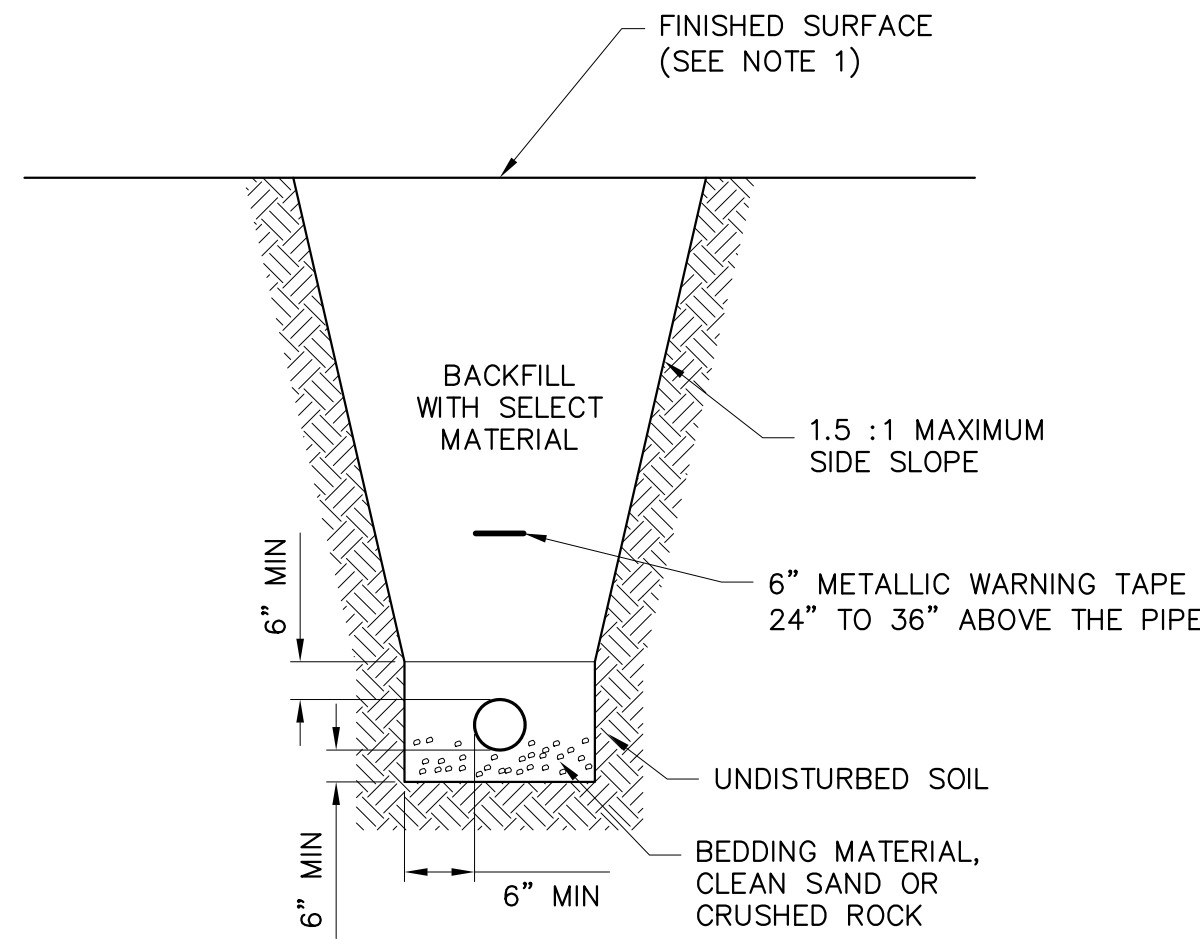


SEWER MAIN EXTENSION PROFILES

SCALE 1:40H 1:10V

NOTES

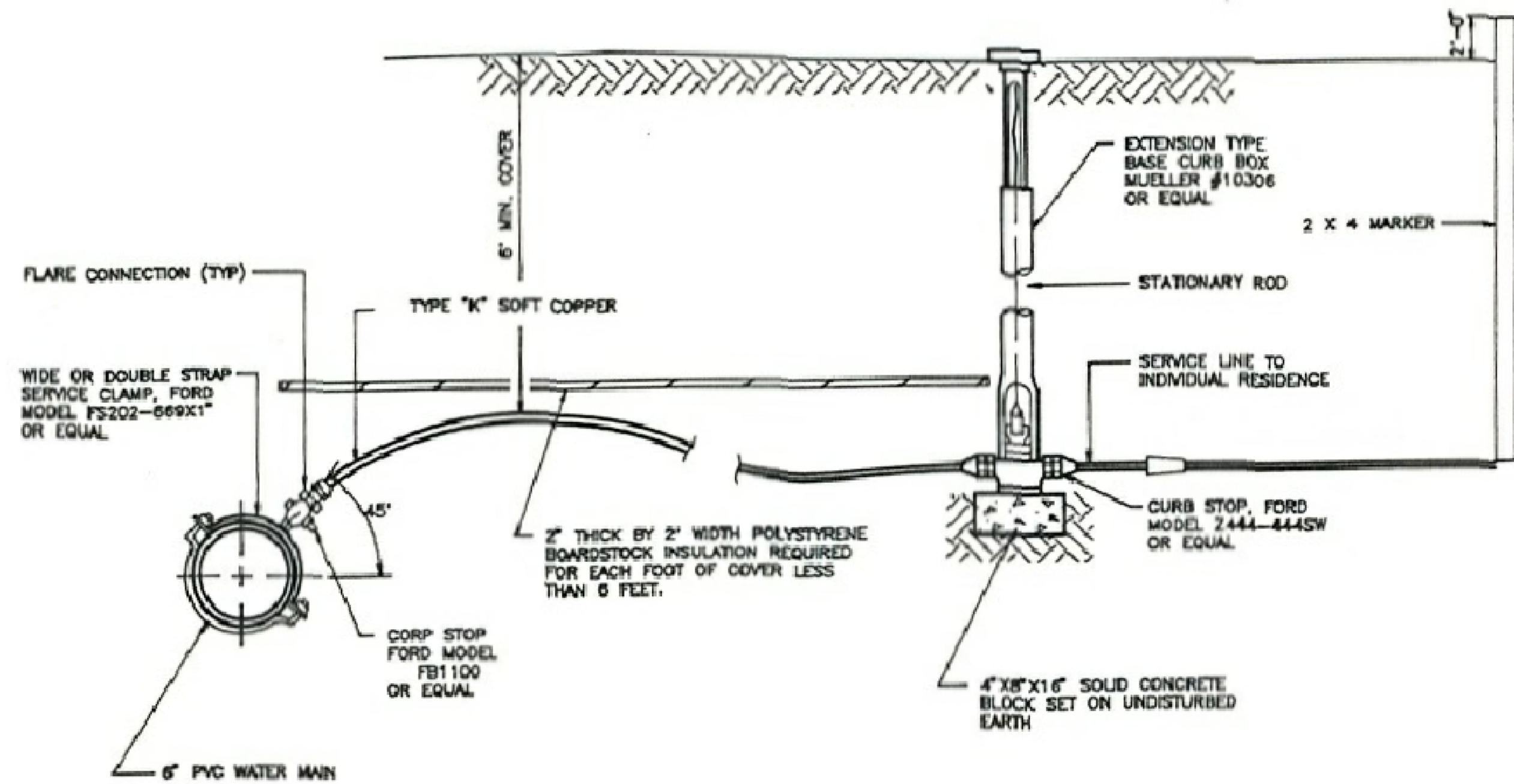
1. ALL MANHOLE LIDS AND WATER VALVE BOXES MUST BE INSTALLED A MINIMUM OF 6' BELOW THE EXISTING ROAD GRADE TO AVOID DAMAGE FROM SNOW REMOVAL EQUIPMENT.
2. DUST PANS MUST BE INSTALLED IN ALL NEW MANHOLES.
3. EIGHT-INCH, PVC PIPE MUST BE USED FOR THE SEWER GRAVITY MAINS UNLESS OTHERWISE SPECIFIED.
4. ALL PVC PIPE USED FOR THE SEWER GRAVITY MAIN MUST BE RING TITE, SDR 35.
5. ALL PVC PIPE USED FOR THE SEWER SERVICE LINES MUST BE SDR 35.
6. ALL MANHOLE FRAMES AND COVERS AND VALVE BOXES MUST HAVE A MINIMUM H20 LOAD RATING.
7. ALL GRAVITY SEWER AND WATER LINES BURIED LESS THAN 5 FEET AND 6 FEET RESPECTIVELY TO THE TOP OF THE PIPE MUST BE INSTALLED WITH 2" OF HIGH DENSITY INSULATION FOR EVERY FOOT OF COVER LESS THAN SPECIFIED ABOVE.
8. ALL BURIED HIGH DENSITY INSULATION MUST BE 2" x 24" x 96" INSULFOAM II AS MANUFACTURED BY WESTERN INSULFOAM CORPORATION OR APPROVED EQUAL.
9. ALL CONSTRUCTION WITHIN THE AREA SCHEDULED FOR PAVING MUST BE IN ACCORDANCE WITH THE STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.



TRENCH DETAIL NOTES:

1. FOR PAVED SECTION, MATCH EXISTING PAVEMENT THICKNESS PLACED ON TOP OF 4" LEVELING COURSE.
2. BACKFILL SHALL BE UNCLASSIFIED MATERIALS AND SHALL BE NON-FROST SUSCEPTIBLE.
3. ALL BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AND SHALL BE COMPACTED IN MINIMUM 6" LIFTS OR AS ACCEPTED BY THE ENGINEER.

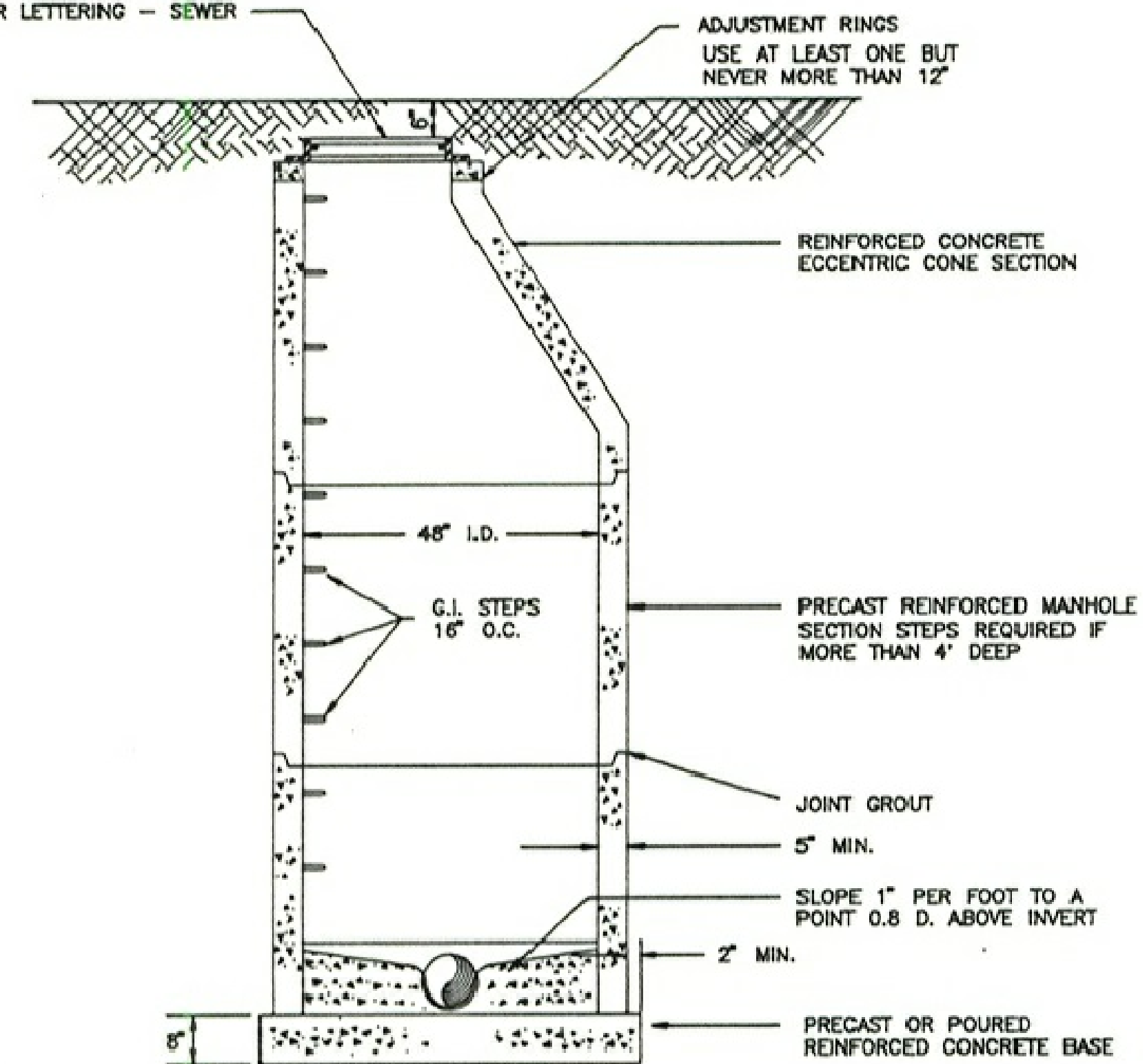
1 TRENCH DETAIL
SCALE: NTS



2 WATER SERVICE CONNECTION DETAIL
SCALE: NTS

MANHOLE FRAME & COVER IFCO 757 OR EQUAL SET IN MORTAR

NOTE : COVER LETTERING -- SEWER



3 SEWER MANHOLE DETAIL
SCALE: NTS



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