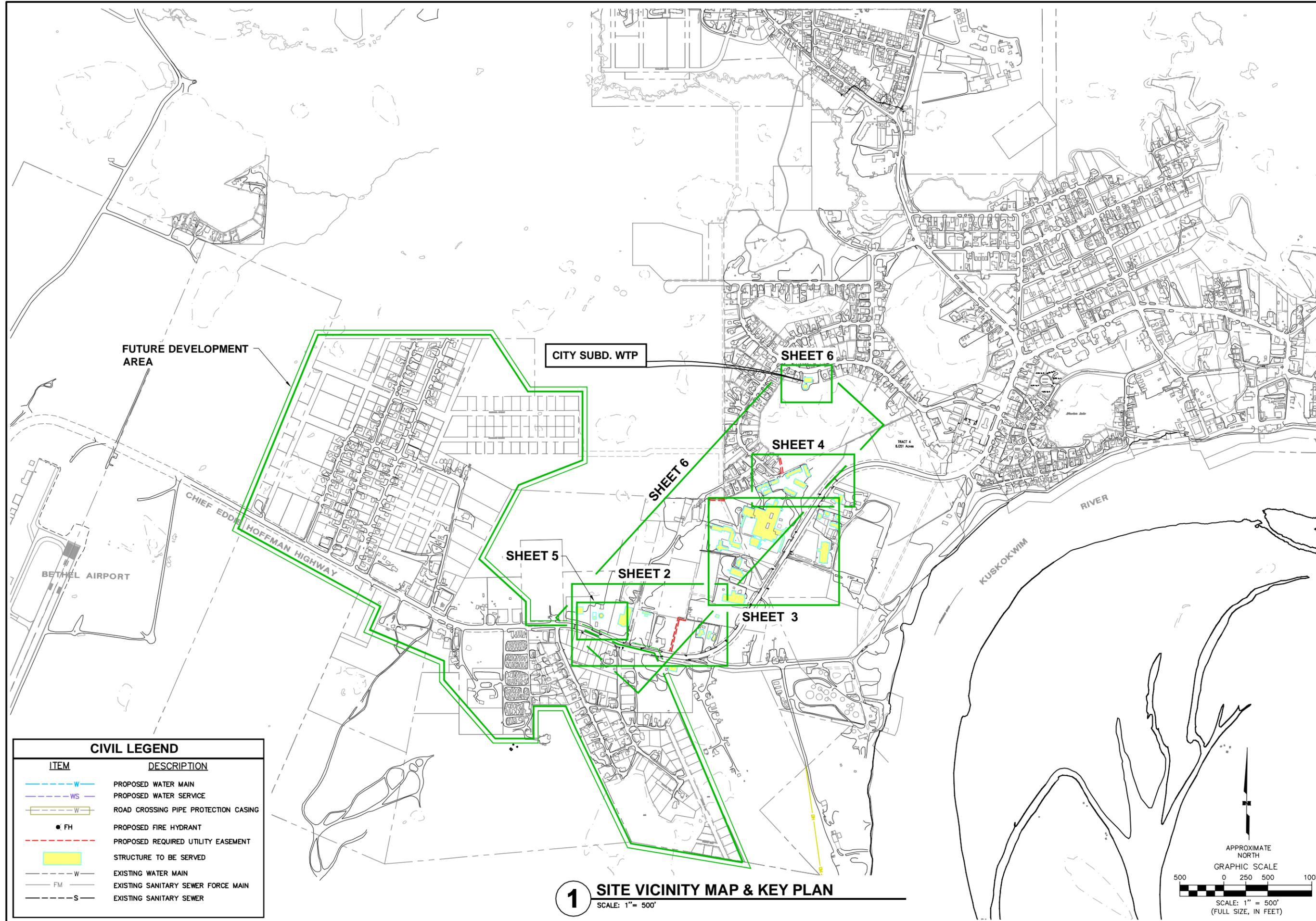
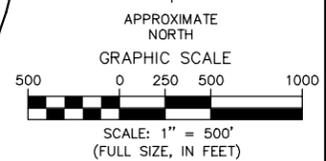


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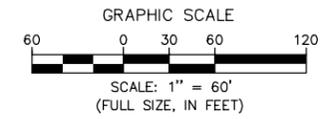
1 SITE VICINITY MAP & KEY PLAN
 SCALE: 1" = 500'

ITEM	DESCRIPTION
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE
	ROAD CROSSING PIPE PROTECTION CASING
	PROPOSED FIRE HYDRANT
	PROPOSED REQUIRED UTILITY EASEMENT
	STRUCTURE TO BE SERVED
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER FORCE MAIN
	EXISTING SANITARY SEWER

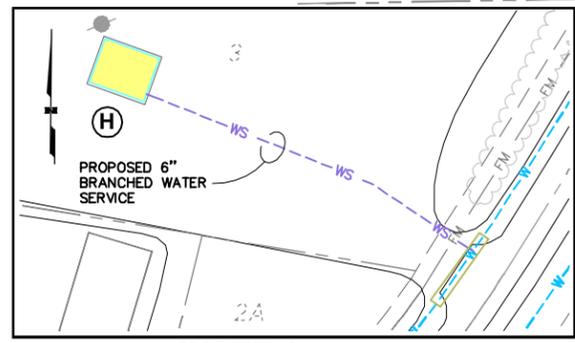


AVCPRHA BETHEL, ALASKA FEASIBILITY STUDY SITE VICINITY MAP & KEY PLAN	AVCPRHA
SCALE: AS SHOWN DESIGNED BY: AWS DRAWN BY: JDG CHECKED BY: AWS DATE: 01/11/10 FILE NO: 830.01	3710 Woodland Dr. Suite 2100 Anchorage, AK 99517 (907) 243-8985 LARSEN CONSULTING GROUP, Inc. <i>architecture · engineering · surveying</i>
SHEET NUMBER 1 OF 7	NO. DATE BY REVISION

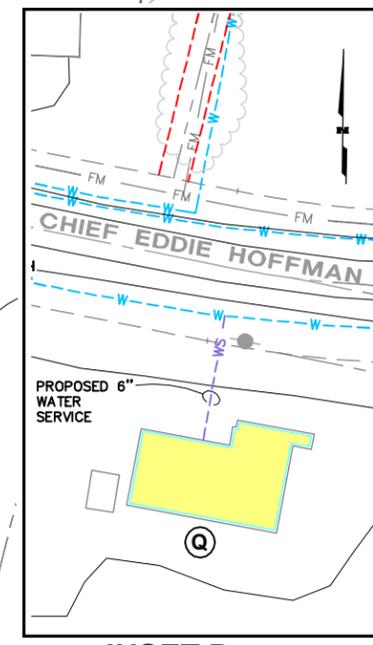
POTENTIAL WATER SERVICE	
G	ALASKA DHHS - CORRECTIONS FACILITY
H	YKHC - HOUSING
I	AVCP PACIFICA HOUSE
J	BETHEL SOBERING CENTER (PROPOSED)
K	US POST OFFICE
L	PUBLIC HEALTH SERVICE
P	YKHC WAREHOUSE
Q	CROWLEY WAREHOUSE



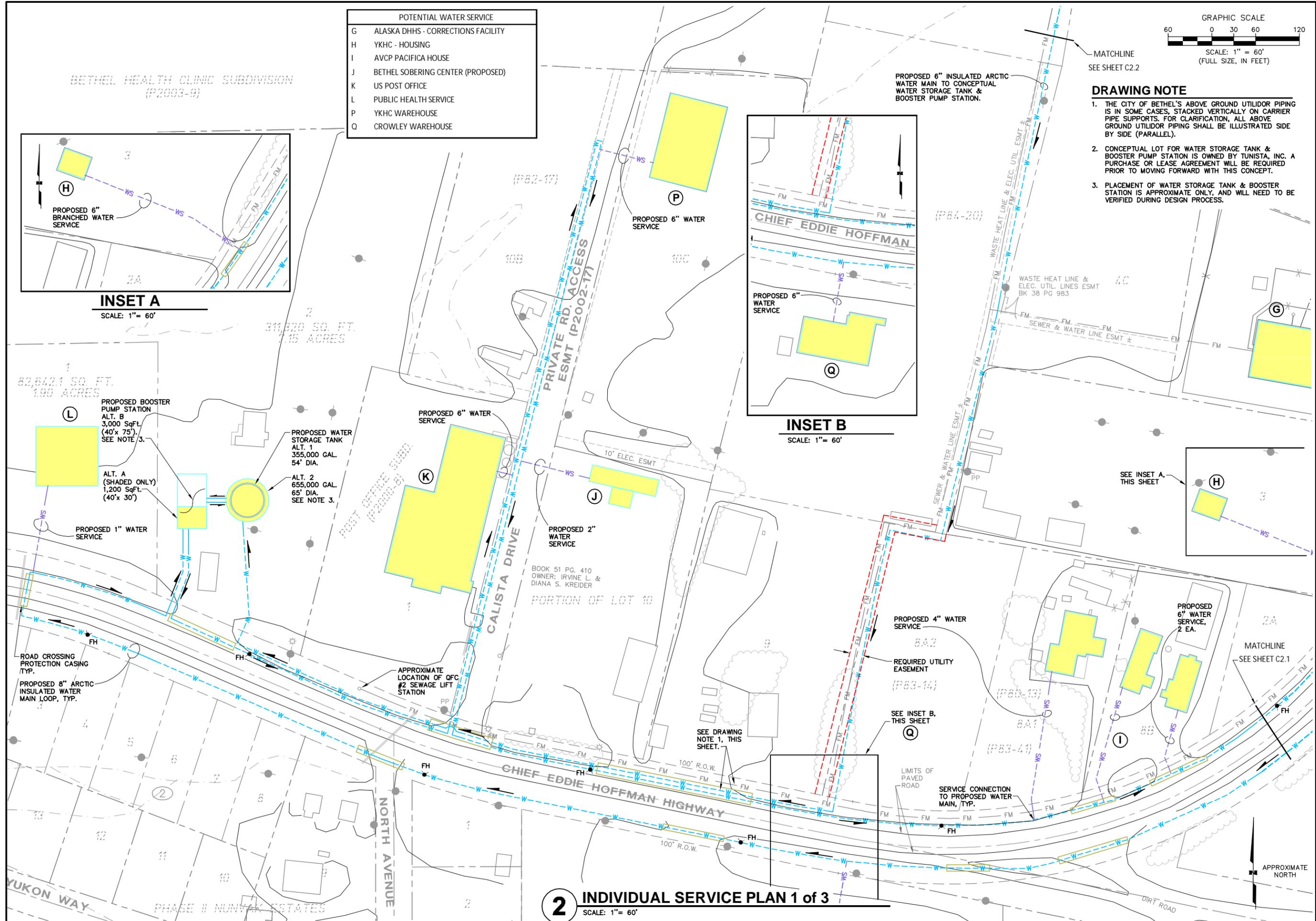
- DRAWING NOTE**
1. THE CITY OF BETHEL'S ABOVE GROUND UTILIDOR PIPING IS IN SOME CASES, STACKED VERTICALLY ON CARRIER PIPE SUPPORTS. FOR CLARIFICATION, ALL ABOVE GROUND UTILIDOR PIPING SHALL BE ILLUSTRATED SIDE BY SIDE (PARALLEL).
 2. CONCEPTUAL LOT FOR WATER STORAGE TANK & BOOSTER PUMP STATION IS OWNED BY TUNISTA, INC. A PURCHASE OR LEASE AGREEMENT WILL BE REQUIRED PRIOR TO MOVING FORWARD WITH THIS CONCEPT.
 3. PLACEMENT OF WATER STORAGE TANK & BOOSTER STATION IS APPROXIMATE ONLY, AND WILL NEED TO BE VERIFIED DURING DESIGN PROCESS.



INSET A
SCALE: 1" = 60'



INSET B
SCALE: 1" = 60'



2 INDIVIDUAL SERVICE PLAN 1 of 3
SCALE: 1" = 60'

NO.	DATE	BY	REVISION

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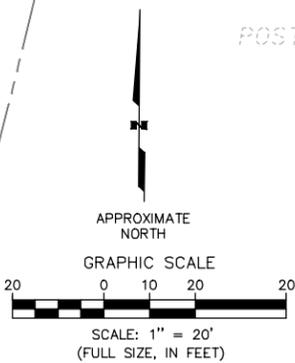
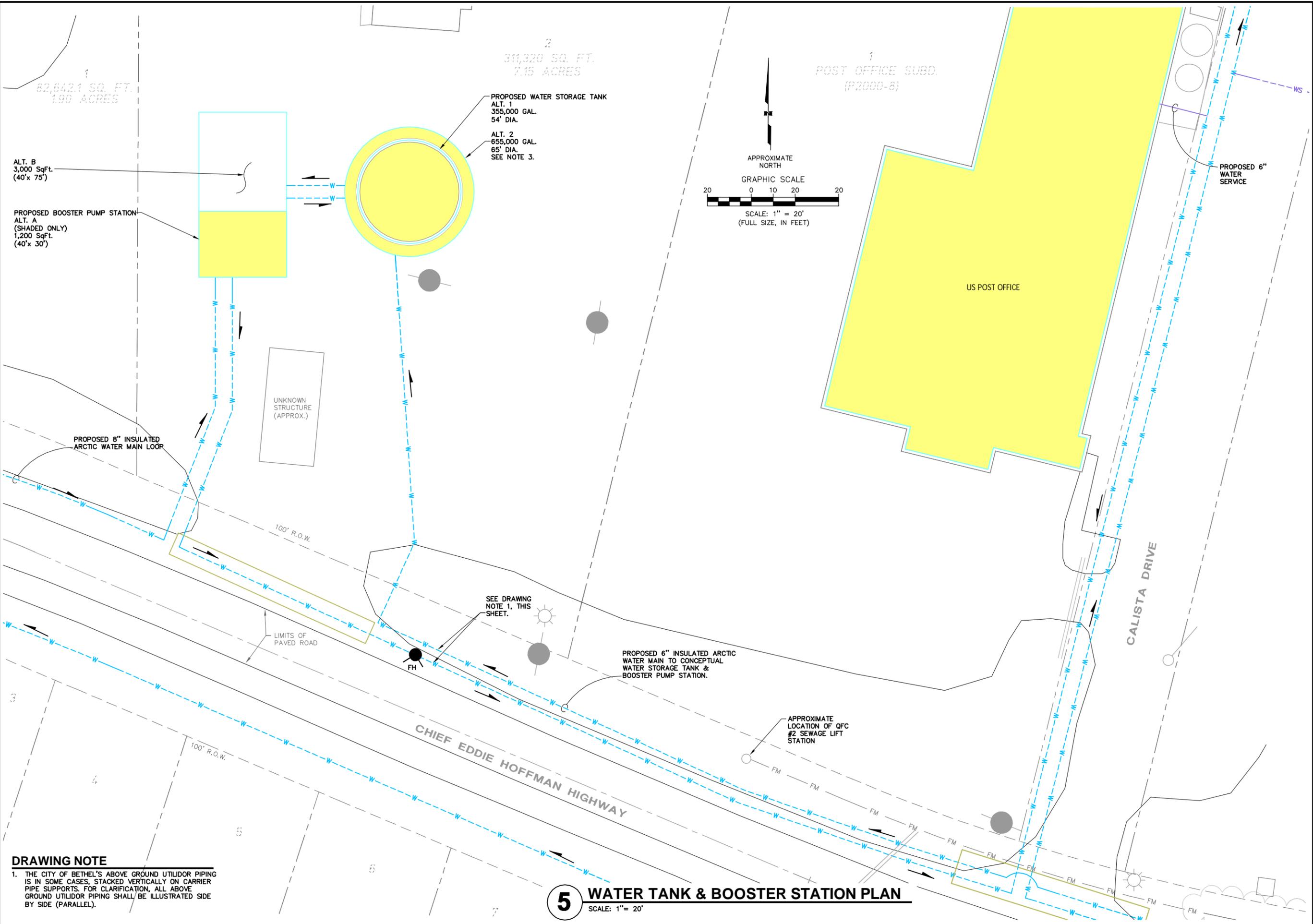


AVCPRHA
BETHEL, ALASKA
FEASIBILITY STUDY
INDIVIDUAL SERVICE PLAN 1 of 3

SCALE:	AS SHOWN
DESIGNED BY:	AWS
DRAWN BY:	JDG
CHECKED BY:	AWS
DATE:	01/11/10
FILE NO.	830.01
SHEET NUMBER	2 OF 7

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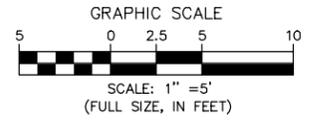
DRAWING NOTE

1. THE CITY OF BETHEL'S ABOVE GROUND UTILIDOR PIPING IS IN SOME CASES, STACKED VERTICALLY ON CARRIER PIPE SUPPORTS. FOR CLARIFICATION, ALL ABOVE GROUND UTILIDOR PIPING SHALL BE ILLUSTRATED SIDE BY SIDE (PARALLEL).

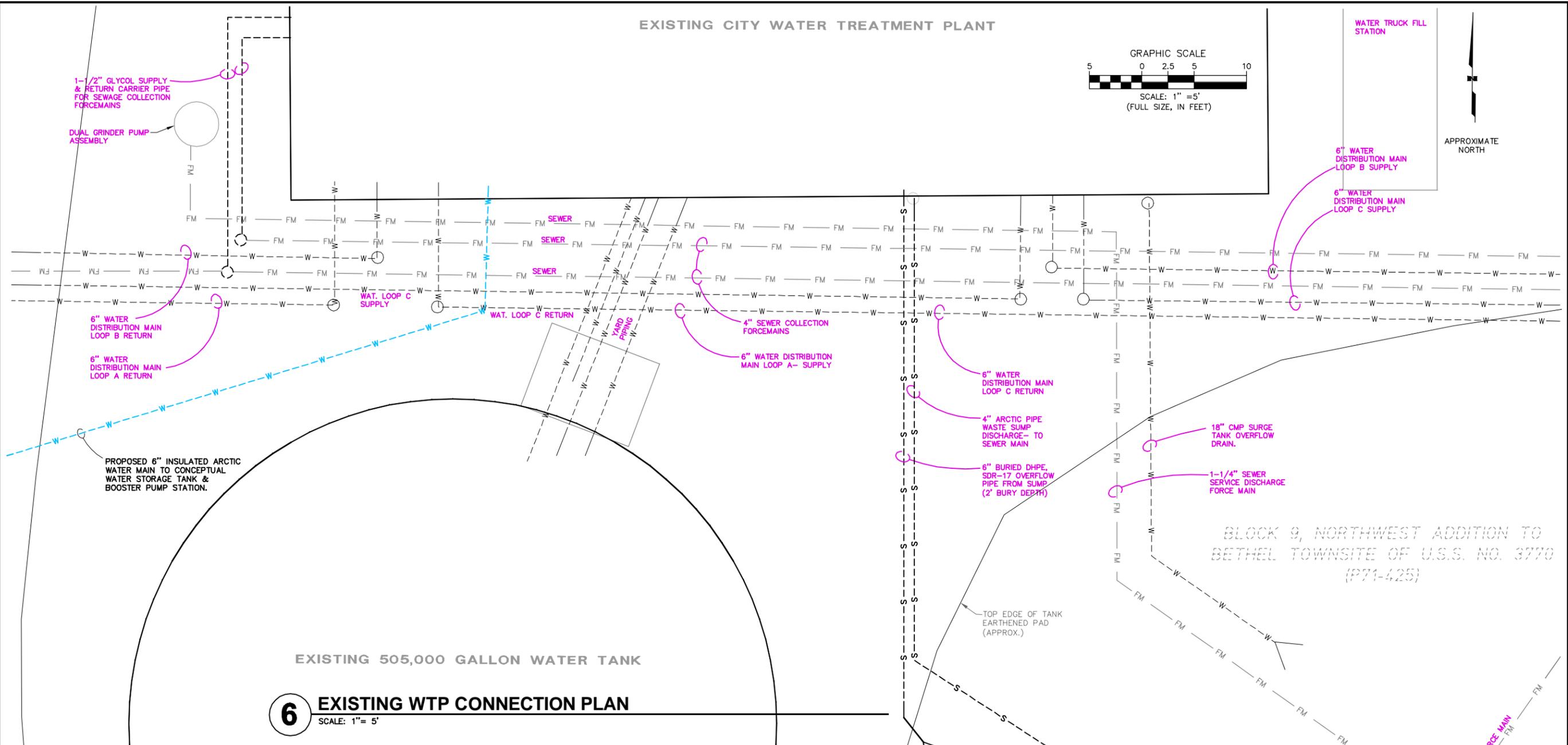
5 WATER TANK & BOOSTER STATION PLAN
SCALE: 1" = 20'

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Larsen Consulting Group, Inc. architecture · engineering · surveying		AVCPRHA	
AVCPRHA BETHEL, ALASKA FEASIBILITY STUDY WATER TANK & BOOSTER STATION PLAN			
SCALE: AS SHOWN		DESIGNED BY: AWS	
DRAWN BY: JDG		CHECKED BY: AWS	
DATE: 01/11/10		FILE NO. 830.01	
SHEET NUMBER		5 OF 7	

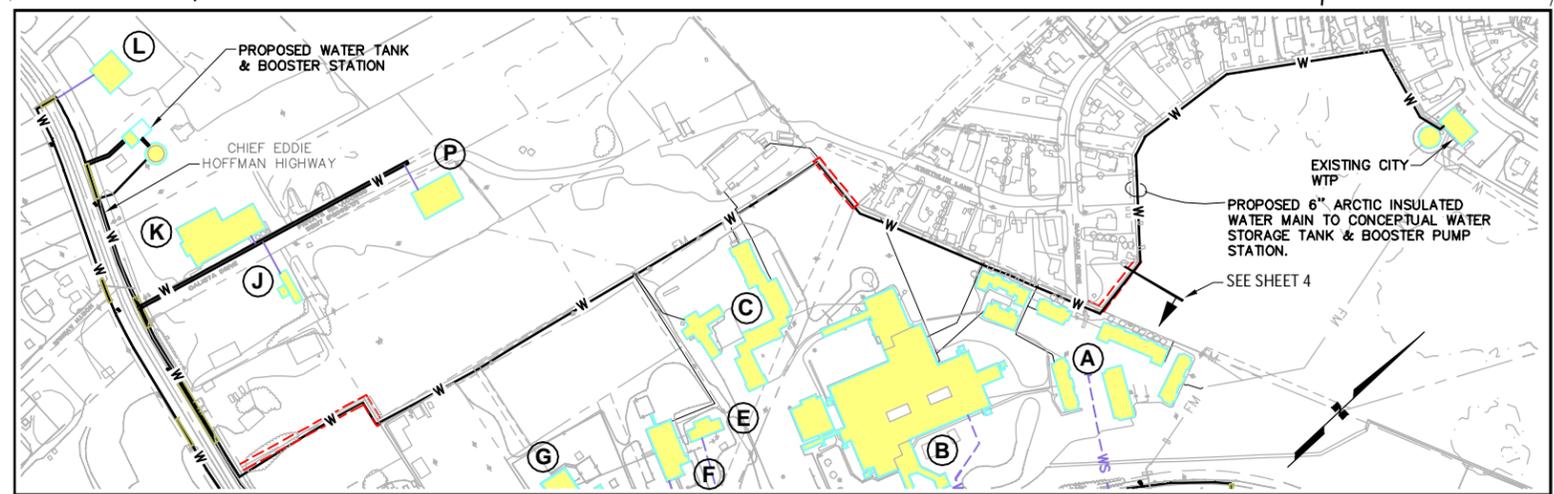
EXISTING CITY WATER TREATMENT PLANT



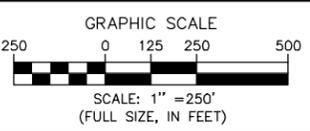
APPROXIMATE NORTH



6 EXISTING WTP CONNECTION PLAN
SCALE: 1" = 5'



6A PROPOSED WATER MAIN TO CONCEPTUAL WATER STORAGE TANK VICINITY PLAN
SCALE: 1" = 250'



BLOCK 9, NORTHWEST ADDITION TO
BETHEL TOWNSITE OF U.S.S. NO. 3770
(P71-425)

DRAWING NOTE
1. THE CITY OF BETHEL'S ABOVE GROUND UTILIDOR PIPING IS IN SOME CASES, STACKED VERTICALLY ON CARRIER PIPE SUPPORTS. FOR CLARIFICATION, ALL ABOVE GROUND UTILIDOR PIPING SHALL BE ILLUSTRATED SIDE BY SIDE (PARALLEL).

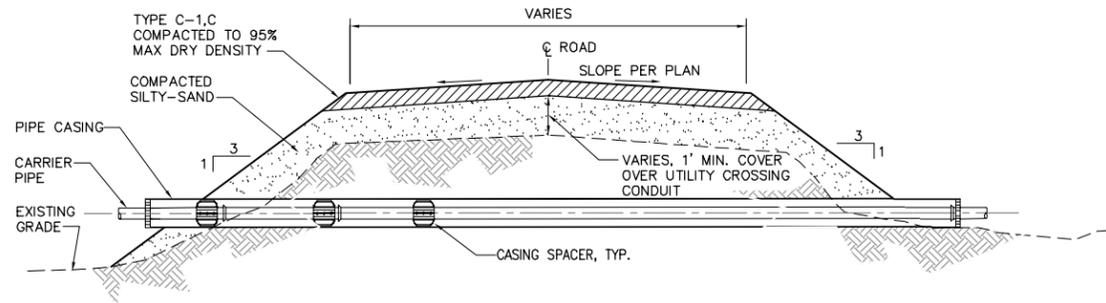
NO.	DATE	BY	REVISION

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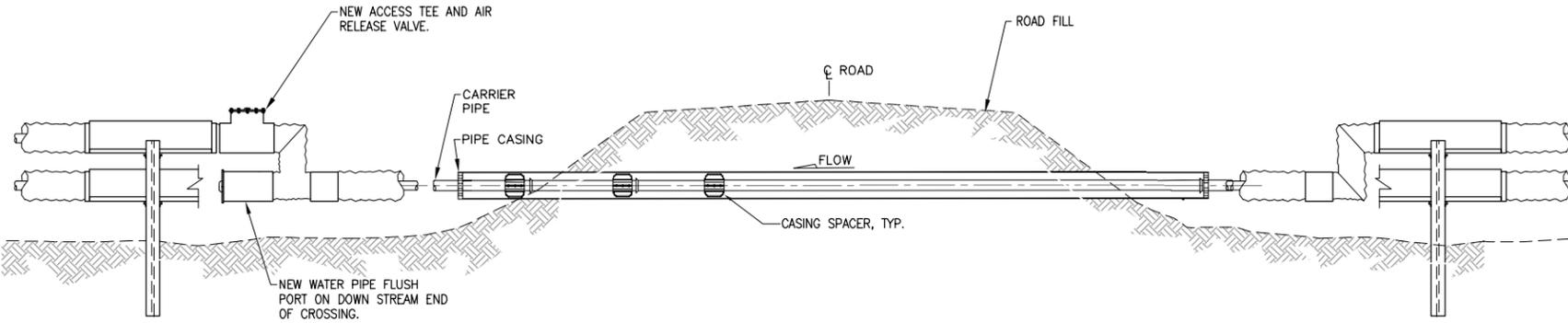
AVCPRHA
AVCPRHA
BETHEL, ALASKA
FEASIBILITY STUDY
EXISTING WTP CONNECTION PLAN

SCALE:	AS SHOWN
DESIGNED BY:	AWS
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CHECKED BY:	AWS
DATE:	01/11/10
FILE NO.	830.01
SHEET NUMBER	6 OF 7



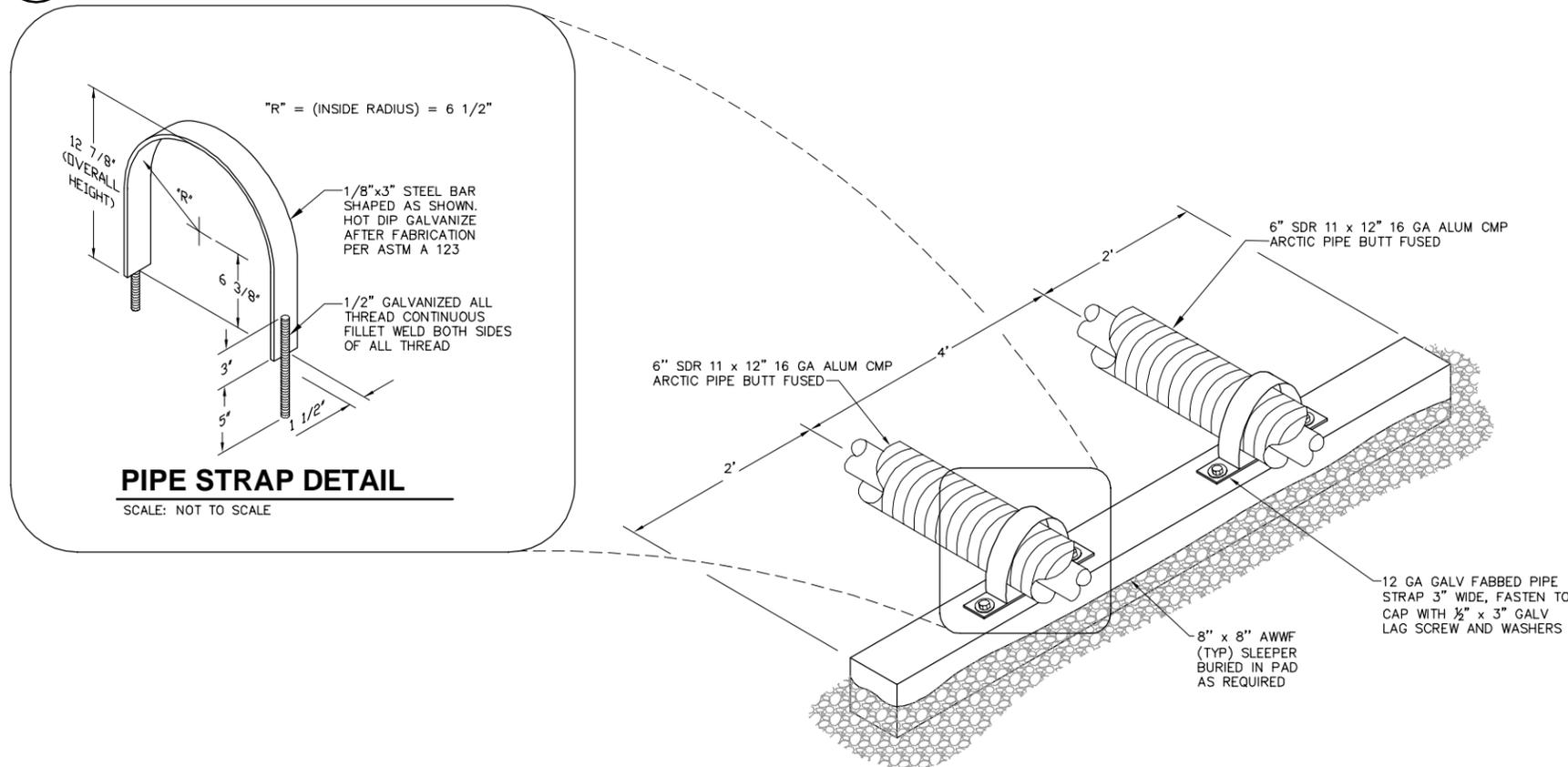
1 **TYPICAL ROAD FILL SECTION**

7 SCALE: NOT TO SCALE



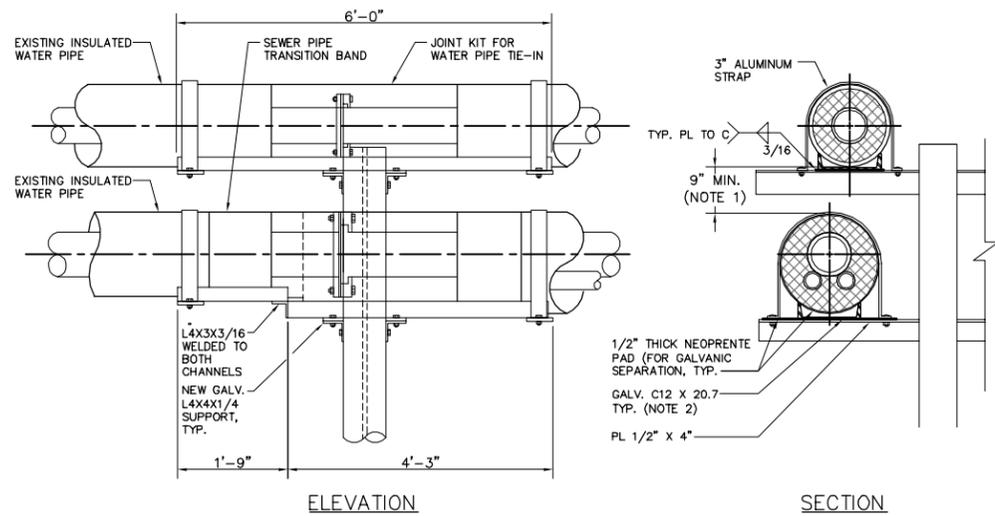
2 **TYPICAL WATER CROSSING**

7 SCALE: NOT TO SCALE



4 **ARCTIC PIPE SLEEPER DETAIL**

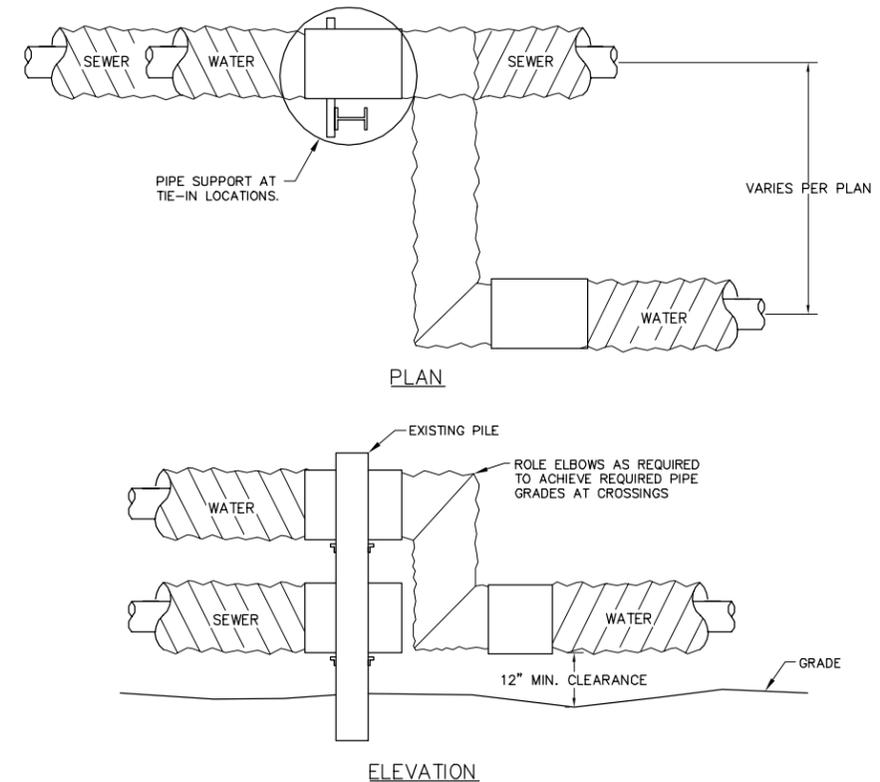
7 NOT TO SCALE



NOTES:
 1. FIELD VERIFY SUFFICIENT CLEARANCE BETWEEN EXISTING PIPES PRIOR TO CONSTRUCTION. BRING INSUFFICIENT CLEARANCES TO ATTENTION OF ENGINEER TO REVIEW CORRECTIVE PIPE GRADE ADJUSTMENTS.
 2. SHOP-PUNCH 3/4\"/>

3 **CARRIER PIPE SUPPORT DETAIL**

7 SCALE: NOT TO SCALE



5 **WATERLINE ELEVATION CHANGE**

7 NOT TO SCALE

Xrefs/Images:
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 Date/Time: 12 Jan 2010 1:26 pm
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<p>3710 Woodland Dr. Suite 2100 Anchorage, AK 99517 (907) 243-8965</p> <p style="font-size: 2em; font-weight: bold; color: green;">LCS</p> <p>LARSEN CONSULTING GROUP <i>architecture · engineering · surveying</i></p>	<p>AVCPRHA</p> <p>CITY OF BETHEL</p> <p>FEASIBILITY STUDY</p> <p>CIVIL DETAILS</p>
<p>NO. _____</p> <p>DATE _____</p> <p>BY _____</p> <p>REVISION _____</p>	<p>SCALE: AS SHOWN</p> <p>DESIGNED BY: AWS</p> <p>DRAWN BY: JG/BED</p> <p>CHECKED BY: AWS</p> <p>DATE: 01/11/10</p> <p>FILE NO. 830.01</p> <p>SHEET NUMBER</p> <p style="font-size: 2em; font-weight: bold;">7</p> <p style="text-align: right;">OF 7</p>