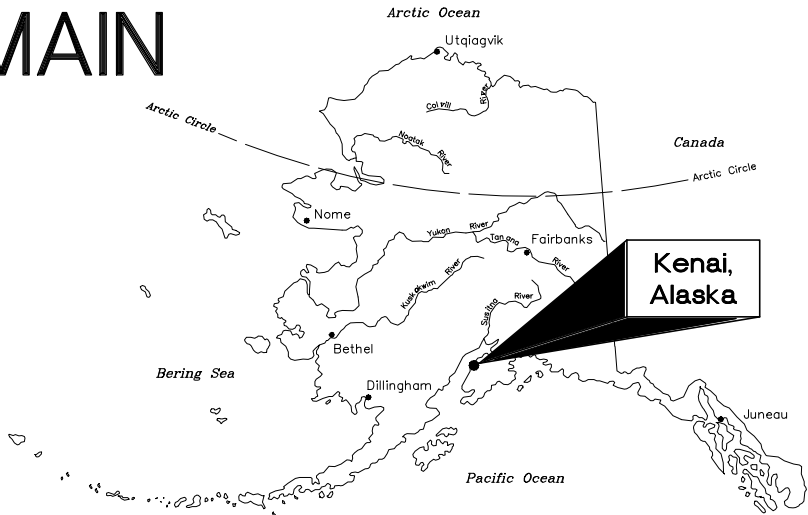


MISSION AVENUE WATER MAIN IMPROVEMENTS

CITY OF KENAI
PUBLIC WORKS DEPARTMENT

210 Fidalgo Avenue
Kenai, Alaska 99611
(907) 283-7535



LOCATION MAP

SCOPE OF WORK (SEE C1.01 FOR LOCATION)

WORK AREA 1 – FURNISH AND INSTALL ONE (1) 6" GATE VALVE AND VALVE BOX, ONE (1) 6"x6" TEE AND THRUST BLOCK, ONE (1) COMPLETE SINGLE PUMPER FIRE HYDRANT ASSEMBLY, ONE (1) 1" WATER SERVICE, ALL OTHER APPURTENANT EQUIPMENT, AND SURFACE RESTORATION AS FURTHER DETAILED IN THE CONTRACT DOCUMENTS.

WORK AREA 2 – FURNISH AND INSTALL ONE (1) 6" GATE VALVE AND VALVE BOX, ONE (1) 6"x6" TEE AND THRUST BLOCK, ONE (1) COMPLETE SINGLE PUMPER FIRE HYDRANT ASSEMBLY, ALL OTHER APPURTENANT EQUIPMENT, AND SURFACE RESTORATION AS FURTHER DETAILED IN THE CONTRACT DOCUMENTS.

WORK AREA 3 – FURNISH AND INSTALL ONE (1) 6" GATE VALVE AND VALVE BOX, ALL OTHER APPURTENANT EQUIPMENT, AND SURFACE RESTORATION AS FURTHER DETAILED IN THE CONTRACT DOCUMENTS.

CIVIL LEGEND (UNLESS NOTED OTHERWISE)

PROPOSED	EXISTING	
---	---	PROPERTY LINE
---	SS	SANITARY SEWER PIPE
SSMH	SSMH	SANITARY SEWER MANHOLE
SDMH	SDMH	STORM DRAIN MANHOLE
W	W	WATER MAIN
W-W	W-W	WATER SERVICE & KEY BOX
W	W	HYDRANT
W	W	VALVE
W	W	PUMP STATION

CIVIL ABBREVIATIONS

AC	ASBESTOS CEMENT
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIP	DUCTILE IRON PIPE
EA	EACH
EL, ELEV	ELEVATION
FL	FLANGE
FT	FEET
GV	GATE VALVE
IN	INCH
KPB	KENAI PENINSULA BOROUGH
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS
MAX	MAXIMUM
MIN	MINIMUM
MJ	MECHANICAL JOINT
REQ'D	REQUIRED
ROW	RIGHT-OF-WAY
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
TB	THRUST BLOCK
W/	WITH

CALL BEFORE YOU DIG!

THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCEMENT OF EXCAVATION

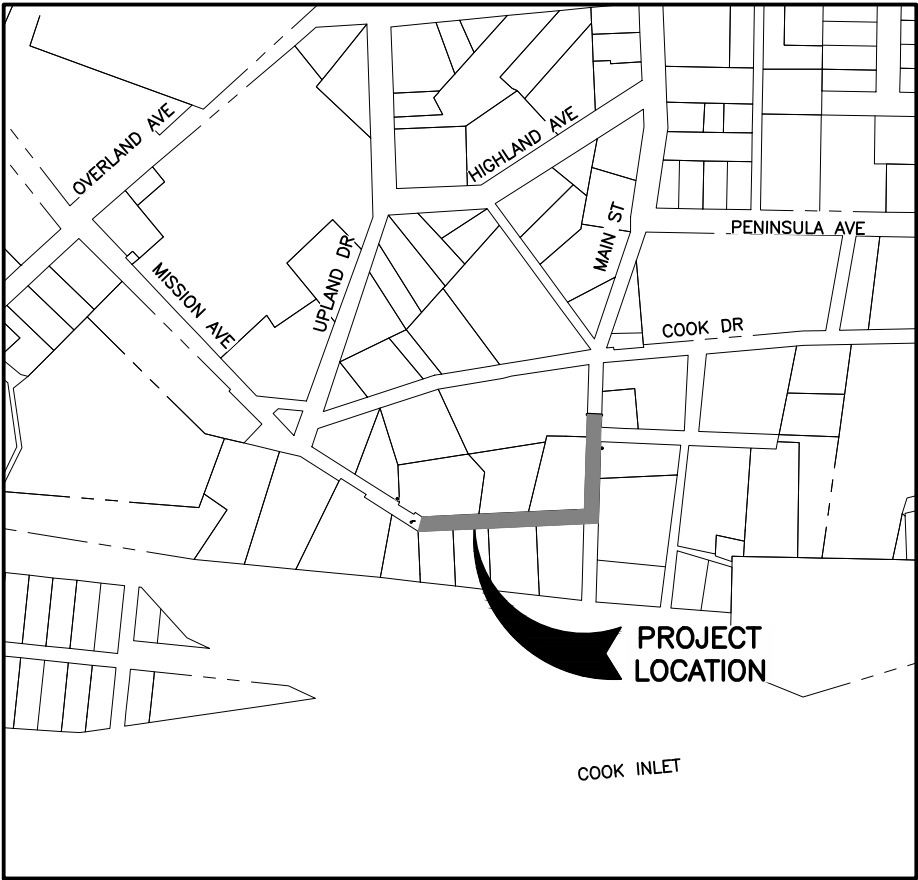
LOCATE CALL CENTER OF ALASKA	1-800-478-3121
CITY OF KENAI PUBLIC WORKS	907-283-7535
ADOT&PF - SOLDOTNA	907-262-4412

PROJECT NOTES

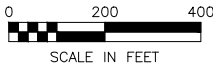
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH M.A.S.S., LATEST EDITION, AS MODIFIED BY THE SPECIAL PROVISIONS, ADEC REGULATIONS, AND PERMIT CONDITIONS.
- TOPOGRAPHIC SURVEY WAS NOT CONDUCTED AND DESIGN IS BASED ON INFORMATION OBTAINED FROM THE CITY OF KENAI AND FIELD VISIT CONDUCTED DURING SEPTEMBER 2021.
- ALL SURVEYING AND LAYOUT SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- THE LOCATION OF EXISTING FEATURES, SERVICE LINES, UTILITIES, ETC. IN THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FIELD VERIFICATION OF ALL BURIED AND OVERHEAD UTILITIES FROM THE APPROPRIATE UTILITY COMPANIES OR AUTHORITIES. THE CONTRACTOR SHALL CONTACT THE LOCATE CALL CENTER OF ALASKA, AS WELL AS ANY NON-PARTICIPATING UTILITIES, TO FIELD LOCATE ALL UTILITIES PRIOR TO DIGGING. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO DIGGING, OTHERWISE CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL COSTS ASSOCIATED WITH WORKING AROUND UTILITIES DIFFERENT THAN WHAT IS SHOWN ON THESE PLANS.
- THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES AND THE GENERAL REQUIREMENTS, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, AND LAYOUT PRIOR TO PROCEEDING WITH THE WORK. ANY DISCREPANCY IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- OTHER CONTRACTORS OR THE UTILITY COMPANIES MAY BE WORKING ON THE SAME PROJECT SITE OR IN THE VICINITY DURING THE PROGRESS OF THIS CONTRACT'S WORK. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS OR UTILITY COMPANIES WORKING IN THE AREA.
- ALL CONSTRUCTION ACTIVITIES, EXCAVATED MATERIAL, EQUIPMENT STORAGE, ETC. SHALL REMAIN WITHIN THE RIGHT OF WAY.
- CONTRACTOR SHALL PROVIDE ALL PERMITS WHICH ARE NOT SPECIFICALLY INDICATED AS PROVIDED BY THE OWNER IN THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC, OSHA AND ALL OTHER FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS PERTAINING TO THIS PROJECT. ANY WORK PERFORMED BY THE CONTRACTOR CONTRARY TO SUCH LAWS OR REGULATIONS SHALL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.
- THE ENGINEER MAY DIRECT THE CONTRACTOR IN WRITING TO REMOVE ADDITIONAL MATERIAL BEYOND THE LIMITS OF EXCAVATION IF IT IS DETERMINED TO BE IN THE BEST INTEREST OF THE OWNER. CONTRACTOR SHALL REMOVE SAID MATERIAL AND REPLACE WITH SUITABLE MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
- ALL WATER SYSTEM CONSTRUCTION, FLUSHING, PRESSURE TESTING AND DISINFECTION SHALL BE CONDUCTED SO AS TO MINIMIZE INTERRUPTION OF EXISTING SERVICE.
- HAUL ROUTES FOR REMOVAL AND DELIVERY OF MATERIALS SHALL UTILIZE EXISTING ROADWAYS. MUD AND DEBRIS TRACKED ONTO ROADWAYS SHALL BE PROMPTLY REMOVED. TRAFFIC LAWS ARE TO BE OBEYED AT ALL TIMES.
- CONTRACTOR SHALL PROTECT ALL MONUMENTS AND PROPERTY CORNERS. DAMAGED/MOVED MONUMENTS AND CORNERS, WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS, SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH M.A.S.S. DIVISION 65, AS MODIFIED BY THE SPECIAL PROVISIONS.
- ALL DIP BENDS, TEES, AND DEAD-ENDS SHALL HAVE RESTRAINED FITTINGS. THRUST RESTRAINT SHALL BE PROVIDED BY USE OF FIELD-LOK GASKET (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL) ON ALL MECHANICAL JOINTS. INSTALL THRUST BLOCKS WHERE NOTED.
- NO PIPE LENGTH LESS THAN EIGHT FEET (8') SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR VALVE LOCATIONS, UNLESS RESTRAINED.
- TRENCH WALLS SHALL BE SLOPED OR SHORED AS REQUIRED FOR SAFETY, EXCEPT SHORING MUST BE USED IN EXISTING PAVED STREETS.
- ALL BEDDING, BACKFILL AND SURFACING SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BY ASTM D1557 METHOD D, UNLESS OTHERWISE NOTED.
- AT ALL WATER PIPE CROSSINGS OF SEWER OR STORM PIPES, EXPOSED PORTIONS OF SEWER OR STORM PIPES SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH THE TYPICAL TRENCH SECTION. PROTECT AND/OR REPAIR EXISTING UTILITIES AT NO ADDITIONAL COST.

SHEET INDEX

G1.01	COVER, PROJECT NOTES, ABBREVIATIONS, AND LEGEND
C1.01	SITE PLAN & DETAILS



VICINITY MAP



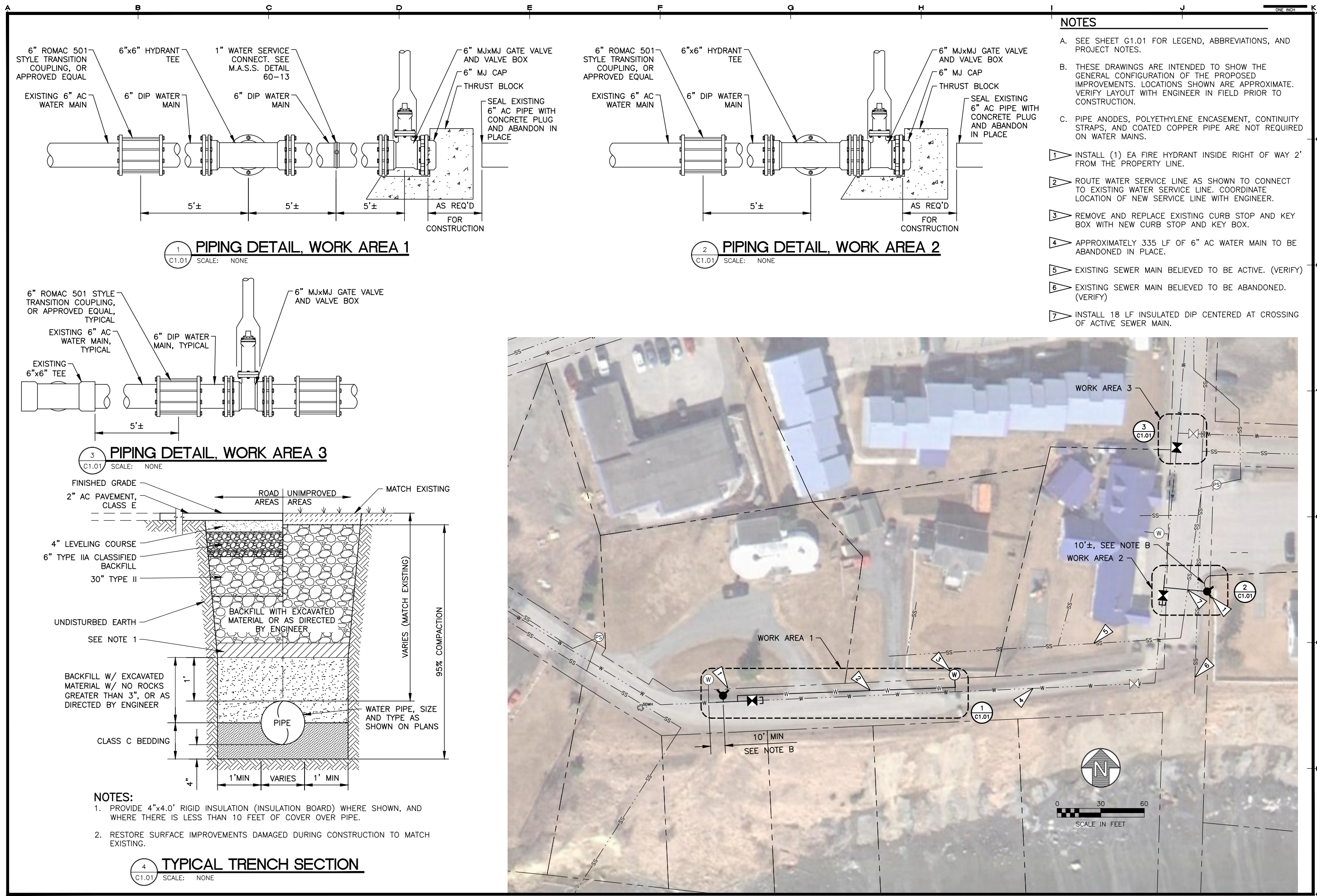
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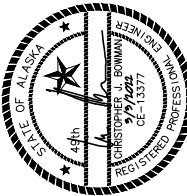
HDL ENGINEERING
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AECL861

MISSION AVENUE WATER MAIN IMPROVEMENTS
CITY OF KENAI
KENAI, ALASKA

SHEET TITLE	COVER
SHEET	G1.01
DRAWN BY:	TLC
CHECKED BY:	LRK
DATE:	MAR 2022
SCALE:	AS SHOWN
JOB NUMBER:	20-012-07



REVISIONS	DATE	DESCRIPTION
1		
2		
3		
4		
5		



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