

23'-4"

- 1.PROJECT SUMMARY: CONTRACTOR IS TO REMOVE AND DISPOSE OF 3 STEEL PRESSURE TANKS AND REPLACE THEM WITH 2 HIGH DENSITY POLYETHYLENE TANKS AND 2 WATER BOOSTER PUMPS FOR THE HAINES FERRY TERMINAL WATER SYSTEM.
- 2.THIS IS A DRINKING WATER SYSTEM. ALL PIPING, FITTINGS, EQUIPMENT, TANKS, PUMPS ETC. MUST BE NSF 61 LISTED. ALL BRASS OR BRONZE FITTINGS, VALVES, PIPING ETC. MUST MEET THE DEFINITION OF "LEAD FREE" AND BE NSF 372 LISTED.
- 3.THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, TOOLS AND MATERIALS NECESSARY TO INSTALL ALL EQUIPMENT, PIPING, FITTINGS, VALVES, PIPE SUPPORTS, TANKS, PUMPS AND OTHER MISCELLANEOUS ITEMS IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S REQUIREMENTS AND AS SHOWN ON THE PLANS.
- 4.THE CONTRACTOR SHALL COORDINATE THE ASSEMBLY AND FABRICATION OF THE PIPING, VALVES AND FITTINGS AND THEIR CONNECTION TO EQUIPMENT TO ENSURE THE COMPLETED ASSEMBLY MEET THE REQUIREMENTS OF THE MANUFACTURERS AND RESULT IN A COMPLETE AND OPERATING SYSTEM
- 5.PROVIDE METAL VALVE IDENTIFICATION TAGS FOR EACH VALVE AS INDICATED ON THE PLANS.
- 6.ALL PIPING SHALL BE PRESSUIZED TO 100 PSI AND INSPECTED FOR ANY LEAKS. ANY LEAKS DISCOVERED SHALL BE REPAIRED AND THE SYSTEM RETESTED UNTIL NO LEAKS ARE EVIDENT.

- 7. THE ENTIRE SYSTEM SHALL BE DISINFECTED IN ACCORDANCE AWWA 651 WITH CHLORINE THAT IS NSF 60 LISTED. CHLORINATE THE SYSTEM WITH A 25 MG/L CHLORINE SOLUTION FOR 24 HOURS. FLUSH THE SYSTEM AND ALLOW IT TO STAND UNUSED FOR A MINIMUM OF 16 HOURS. ALLOW WATER TO RUN AND TAKE TWO BACTERIOLOICAL SAMPLES COLLECTED 15 MINUTES APART. IF BOTH SAMPLES ARE NEGATIVE, THE SYSTEM IS READY FOR USE. IF EITHER SAMPLE IS POSITIVE, REFLUSH SYSTEM AND REPEAT THE BACTERIOLOGICAL TESTING PROCEDURE. IF EITHER SAMPLE IS POSITIVE, REPEAT DISINFECTION PROCEDURE UNTIL BOTH BACTERIOLOGICAL SAMPLES AE NEGATIVE.
- 8. ALL WORK SHALL BE DONE IN A NEAT WORKMAN LIKE MANOR. CONTRACTOR SHALL CLEAN UP AND DISPOSE OF ALL DEBRIS REMAINING AFTER CONSTRUCTION.
- 9. ALL FLUX, SOLDER, AND PIPE SHALL BE LEAD FREE.
- 10. CONTRACTOR SHALL REMOVE AND DISPOSE OF PIPING AND VALVES ASSOCIATED WITH THE EXISTING HOLDING TANKS, HOLDING TANKS AND SHELVES ALONG WITH OTHER MISCELLANEOUS ITEMS AS DIRECTED.
- 11. CONTRACTOR SHALL FURNISH AND INSTALL PIPING, VALVES AND FITTINGS AS SHOWN SCHEMATICALLY ON THE PLANS. FURNISH AND INSTALL OTHER FITTINGS AND ADAPTERS AS NECESSARY TO CONNECT TO EXISTING PIPING, EXISTING EQUIPMENT AND NEW TANKS AND PUMPS.

- 12. TANKS SHALL BE NOWESCO, INC. 210 GALLON HIGH DENSITY POLYETHYLENE TANKS (32" DIA. X 66" H) THAT ARE NSF 61 LISTED OR APPROVED EQUAL. CONTACT: WARD CREEK INDUSTRIAL, KETCHIKAN, AK (888) 455-9410 ATTN: CRYSTAL DESPAIN.
- 13. FLOAT VALVES SHALL BE KERICK VALVE INC. 1" NSF 61 LISTED BULKHEAD MOUNT FLOAT VALVES WITH THREADED OUTLET AND STAINLESS—STEEL FLOAT ROD WITH FLOAT OR APPROVED FOLIAL
- 14. PUMPS SHALL BE NSF 61 LISTED GRUNDFOS SCALA2 3-45 115 V, 60 HZ, FULLY INTEGRATED, SELF-PRIMING WATER PRESSURE BOOSTER PUMPS WITH INTEGRATED SPEED CONTROL FOR CONSTANT PRESSURE OUTPUT, TANK, SENSORS AND NON-RETURN VALVES OR APPROVED EQUAL. PUMP SHALL HAVE AUTOMATIC STOP IN THE EVENT OF DRY RUNNING, WATER SHORTAGE, EXCESSIVE TEMPERATURE OR BLOCKED PUMP. PUMP SHALL BE FURNISHED WITH AUTOMATIC RESET AND RESTARTING. CONTACT: DXP/ALASKA PUMP AND SUPPLY INC., ANCHORAGE, AK (907) 563-3424 ATTN: RANDY MOON.
- 15. ATTACH PUMPS TO FLOOR WITH STAINLESS STEEL ANCHOR BOLTS.
- 16. CONTRACTOR TO FURNISH AND INSTALL GALVANIZED UNISTRUT SUPPORT FOR COPPER PIPING. CONTRACTOR TO FURNISH AND INSTALL ALL ACCESSORIES INCLUDING RUBBER GASKET TO ISOLATE COPPER PIPING FROM UNISTRUT.

1 0 1 2 3 4 5 FEET

EXISTING LAYOUT
AND
CONSTRUCTION NOTES

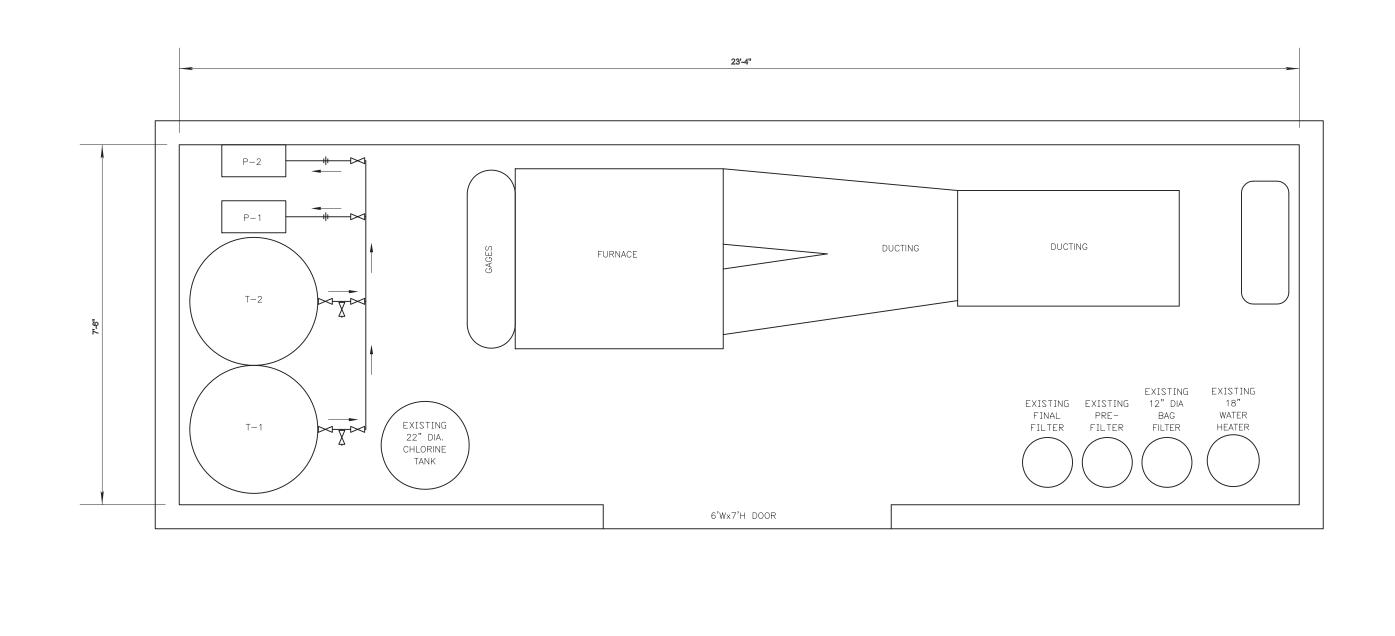




712 WEST 12TH STREET JUNEAU, ALASKA 99801 (907) 586-4447 ALASKA MARINE HIGHWAY SYSTEM 2018 HAINES TERMINAL WATER IMPROVEMENTS

Figure

SHEET No.



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NEW LAYOUT

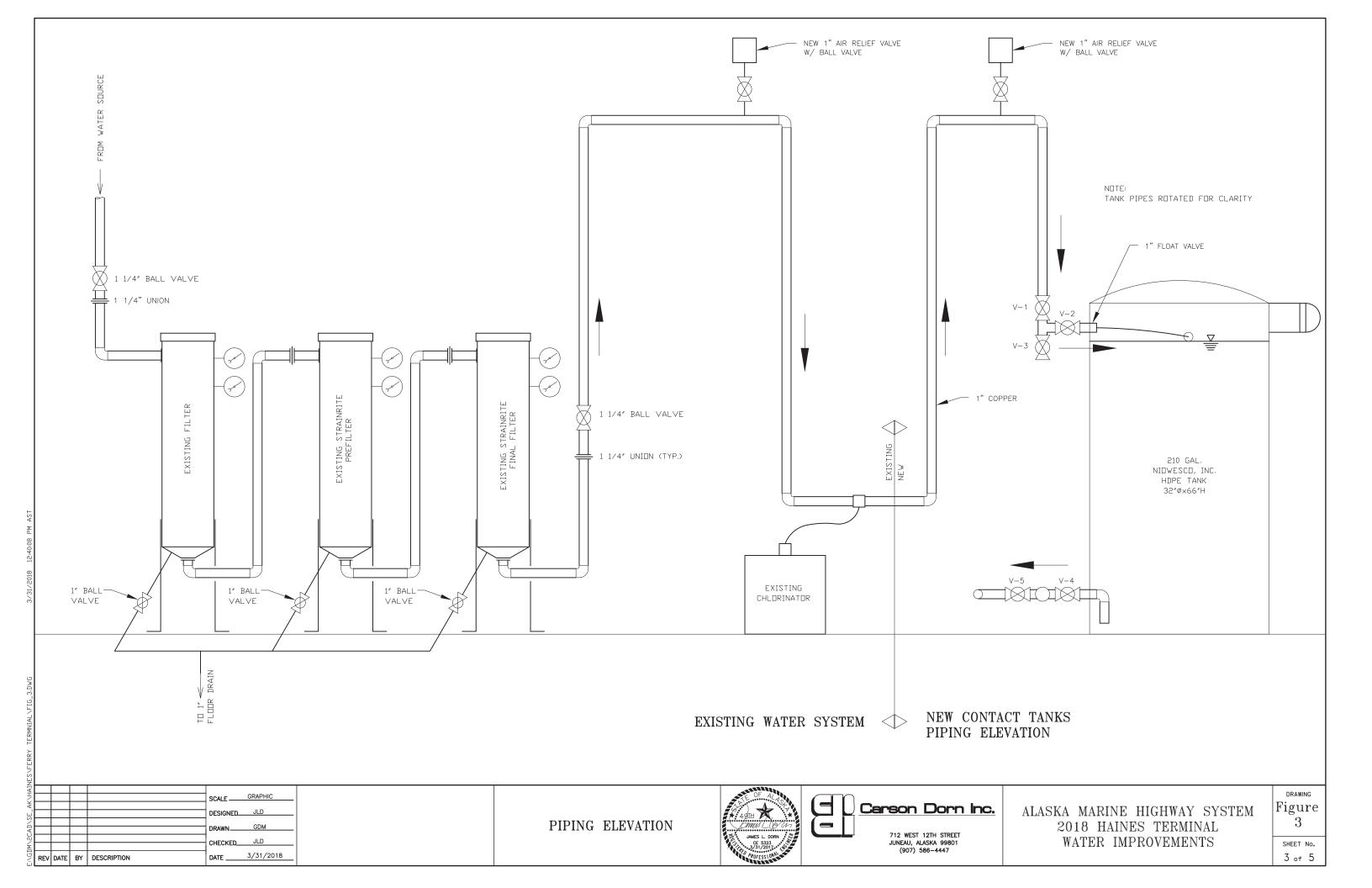


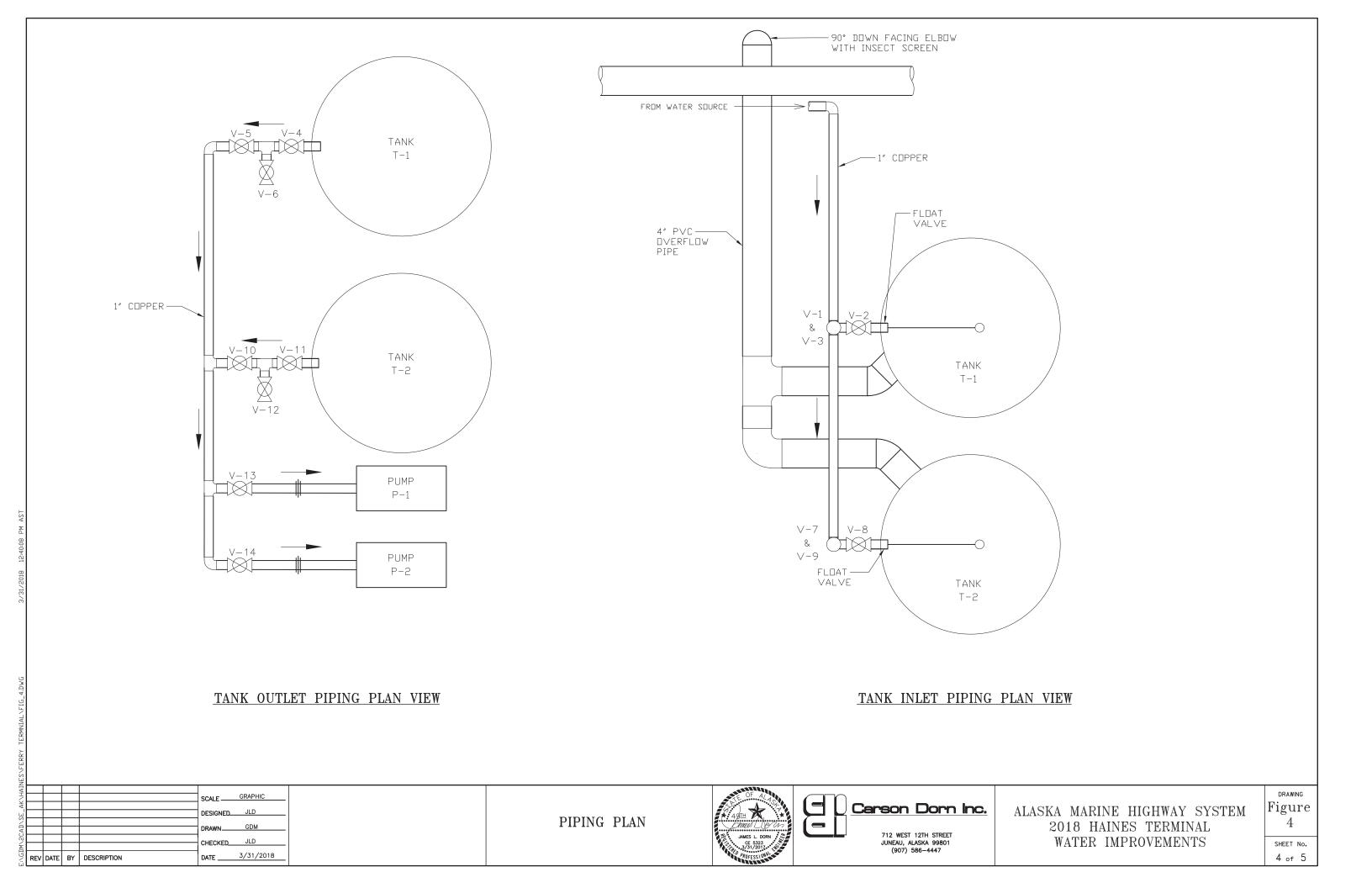


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Figure 2

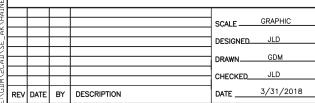
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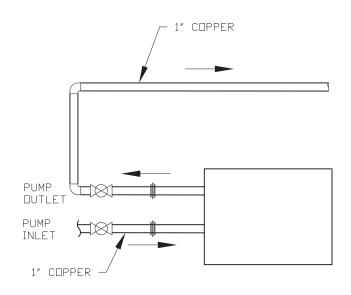




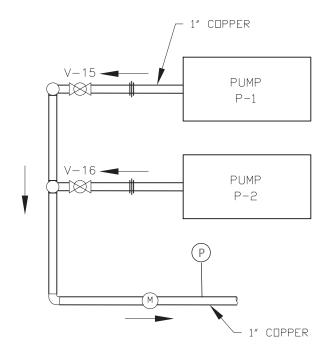








PUMP PIPING ELEVATION



PUMP OUTLET PIPING PLAN VIEW





ALASKA MARINE HIGHWAY SYSTEM 2018 HAINES TERMINAL WATER IMPROVEMENTS

Figure 5

5 of 5

PUMP PIPING

712 WEST 12TH STREET
JUNEAU, ALASKA 99801
(907) 586-4447

2018 HAINES TERM
WATER IMPROVEME