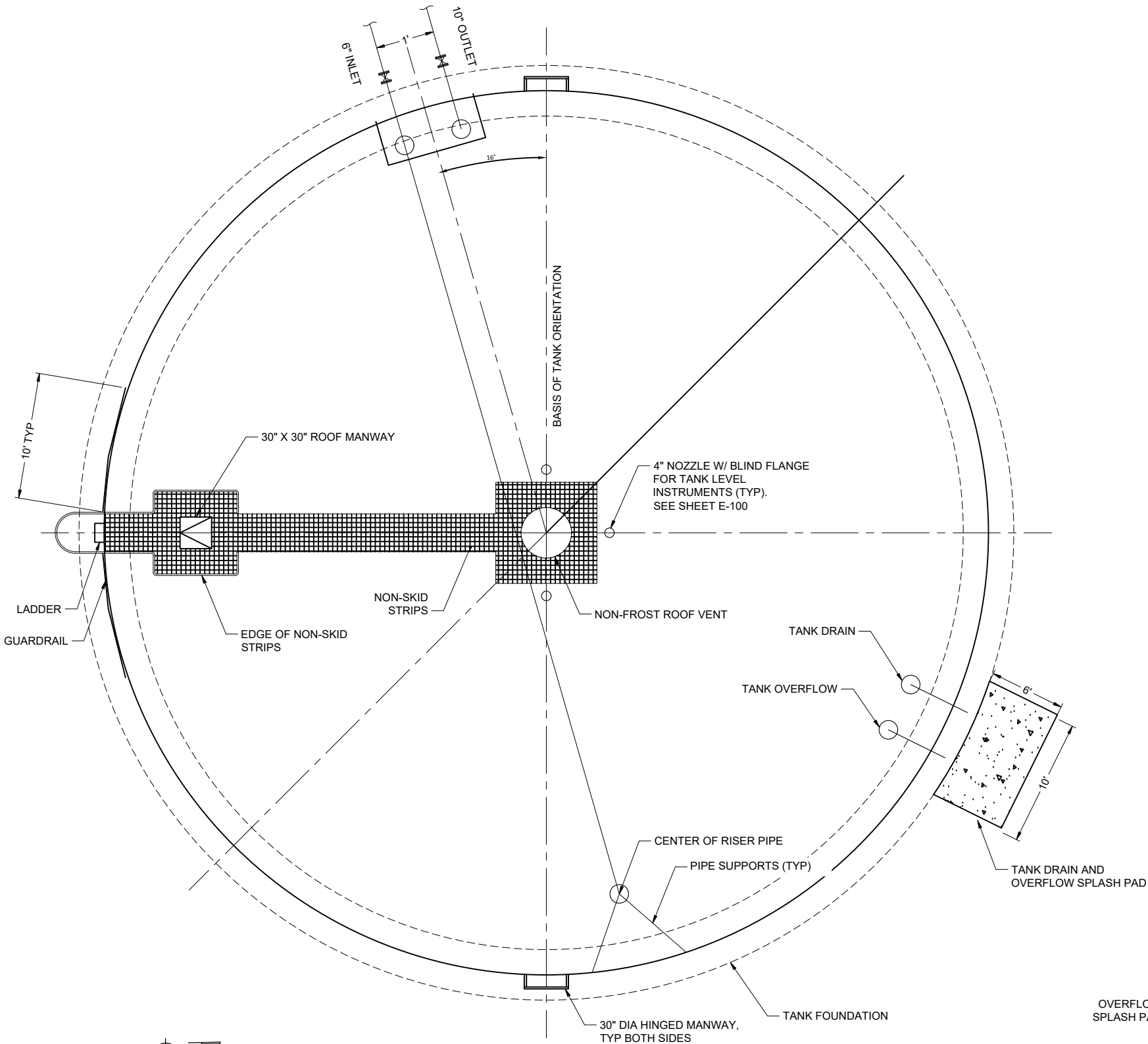


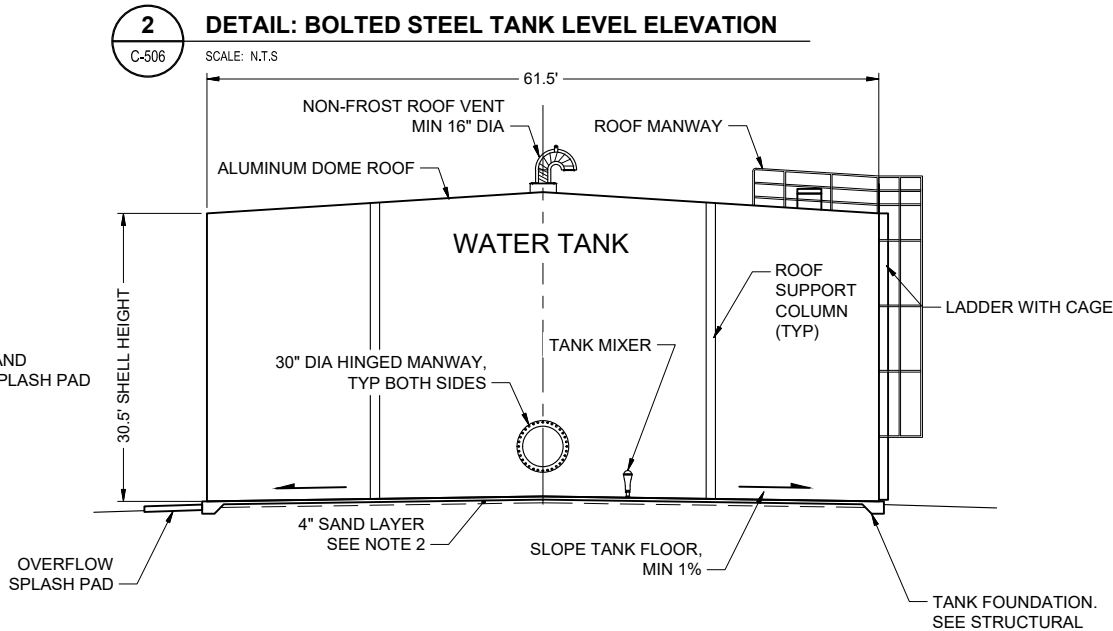
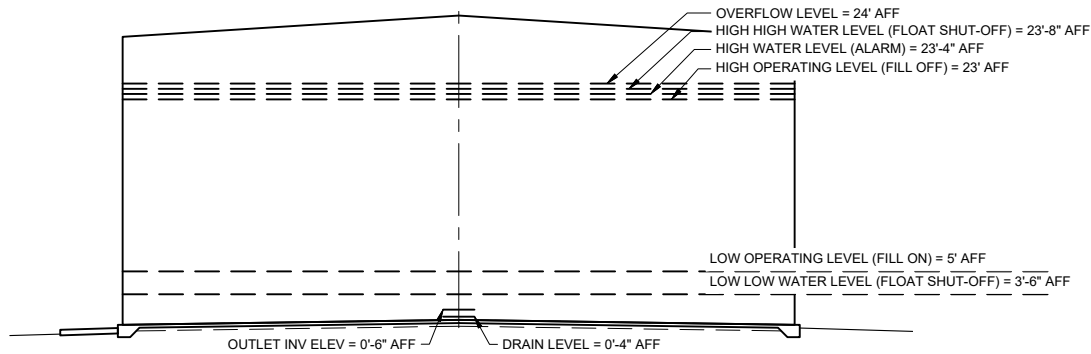
1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

\\proj\as0297.24002\CSY_Alpert_Wtr_Ext\GOLD\250505m304_Original Drawings\0297.24002-C-DETAILS-C-506.dwg Oct 13, 2025 11:12 AM



BOLTED STEEL WATER STORAGE TANK DESIGN CRITERIA	
SIZE	61.5' DIAMETER x 30.5' TALL AT SHELL
CATHODIC PROTECTION	ACTIVE SYSTEM REQUIRED DESIGNED BY TANK MANUFACTURER, SEE SPECIFICATIONS
COATING SYSTEM	FACTORY APPLIED EPOXY COATING
SEISMIC	AS INDICATED, SEE SPECIFICATIONS
ROOF DESIGN	BALANCED SNOW LOAD = $p_g=186$, $l_s=1.2$, $C_e=1.0$, $C_r=1.2$, $P_f=188$ psf, SEE SPECIFICATIONS
WIND	WIND SPEED = 161 MPH, ASCE 07-16
FOUNDATION	SHALLOW FROST PROTECTED MAT FOUNDATION
WORKING CAPACITY ¹	500,000 U.S. GALLONS

- NOTES:**
- NORMAL WORKING CAPACITY IS FROM 0.5' TO 23.5' FROM FINISHED FLOOR. MAXIMUM FLUID AND OVERFLOW LEVEL IS 24'.
 - TANK BEDDING TO BE MADE FROM CLEAN SAND MIXED WITH HYDRATED LIME TO OBTAIN A pH OF AT LEAST 10.5. THE RESISTIVITY OF THE SAND BEFORE HYDRATED LIME IS ADDED SHOULD BE GREATER THAN 3,000 OHM-CM WHEN SATURATED WITH DISTILLED WATER.
 - WATER TANK STANDARDS:
 - AWWA D103-19 FACTORY-COATED BOLTED CARBON STEEL TANKS FOR WATER STORAGE
 - TANK LEAK TESTING, CLEANING, DISINFECTION, TESTING, AND COMMISSIONING PER AWWA STANDARDS.
 - A CORROSION ALLOWANCE OF 1/8" IS TO BE PROVIDED ON ALL PLATE STEEL OF TANK.
 - INTERIOR COATINGS OF TANK ARE TO BE NSF/ANSI #1 COMPLIANT. ALL MATERIAL TO BE PREPPED AND COATED PER MANUFACTURER'S RECOMMENDATIONS.
 - EXTERIOR OF TANK TO BE PAINTED WITH EPOXY PAINT. ALL MATERIALS WELDS TO BE PREPPED AND COATED PER MANUFACTURER'S RECOMMENDATIONS.
 - TANK AIR VENT SHALL BE A PRESSURE VACUUM SCREENED VENT, SIZED FOR MAKEUP AIR, AND TO PREVENT INFILTRATION OF INSECTS AND BIRDS.



No.	Date	Item
1	10/13/2025	ADDENDUM No. 5
REVISIONS		

CONSULTANT :

STATE OF ALASKA
10297.24002
49 TH
KAREN ANN BRADY
10/13/2025
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REGISTERED PROFESSIONAL ENGINEER

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AEC 163270

PROJECT :
CITY & BOROUGH OF YAKUTAT
WATER SYSTEM EXTENSION
YAKUTAT, ALASKA

SHEET TITLE :
WATER STORAGE TANK
DETAILS (1 OF 2)

DESIGN	AMN
DRAWN	HRB
CHECKED	KAB
DATE	04-16-2025

PROJECT No.
10297.24002
SHEET NUMBER
C-506