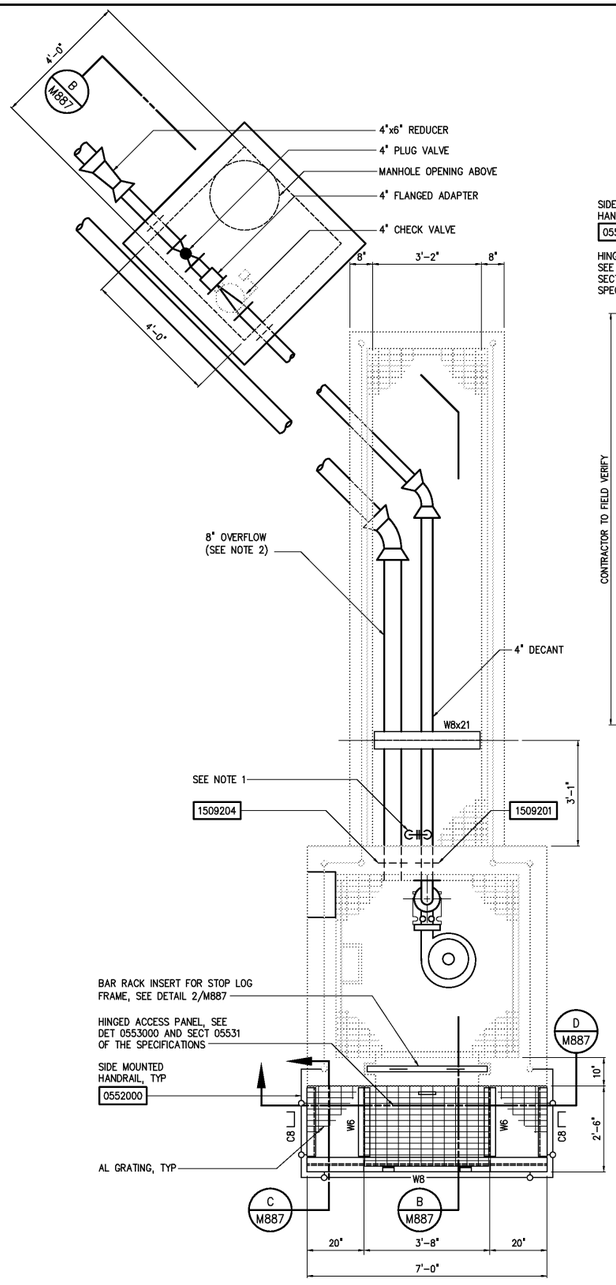
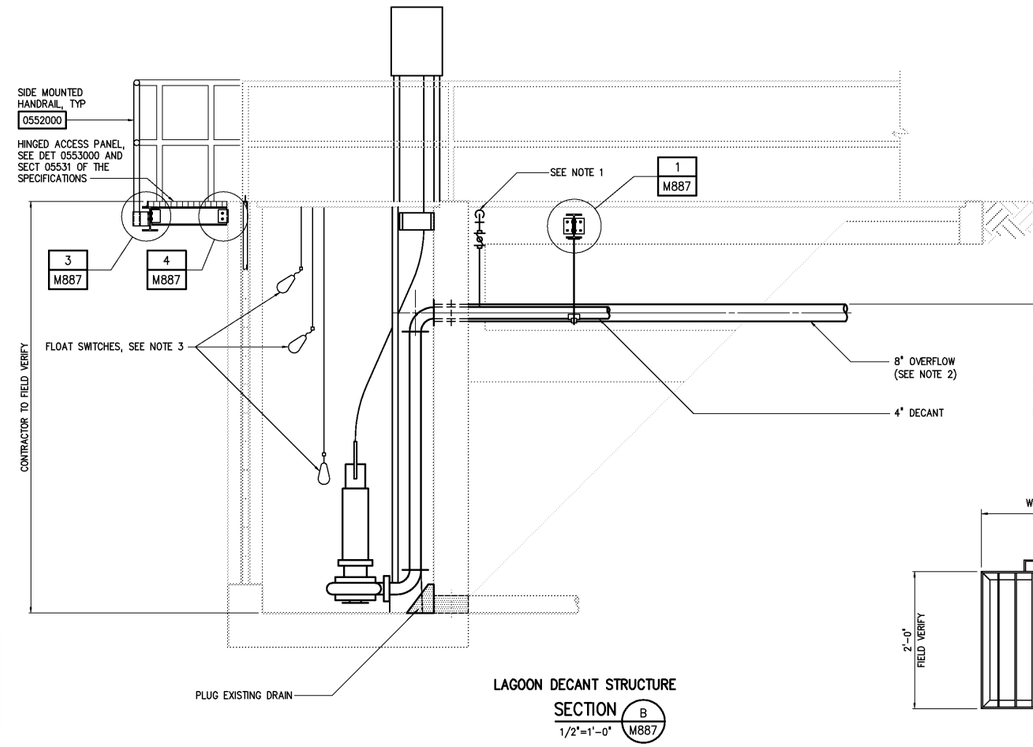


TOP PLAN – LAGOON DECANT STRUCTURE

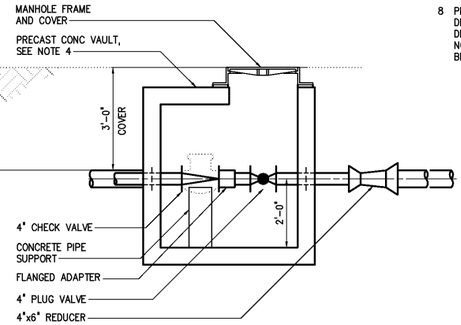
1/2"=1'-0"

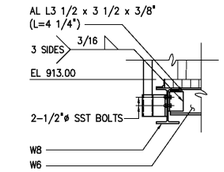
(TYPICAL 5 DECANT STRUCTURES)



LAGOON DECANT STRUCTURE SECTION B M887

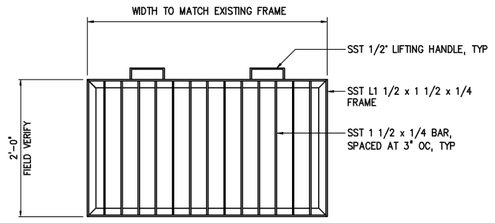
1/2"=1'-0"





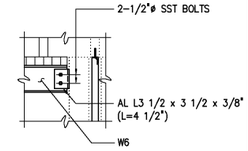
DETAIL 3 M887

3/4"=1'-0"



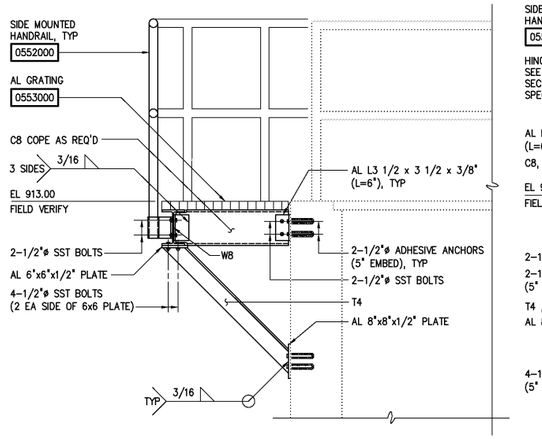
BAR RACK DETAIL 2 M887

1"=1'-0"



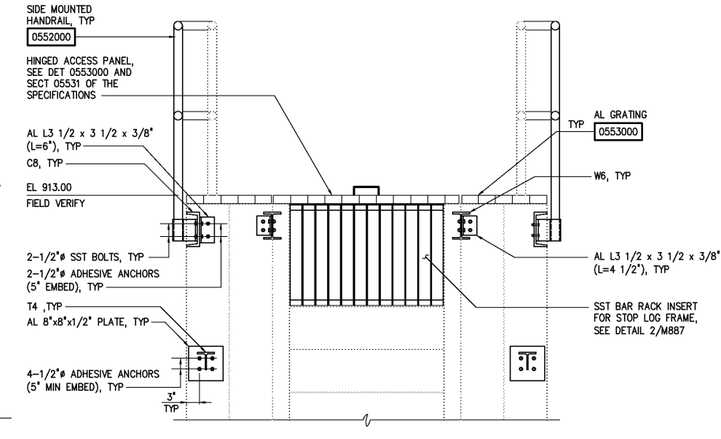
DETAIL 4 M887

3/4"=1'-0"



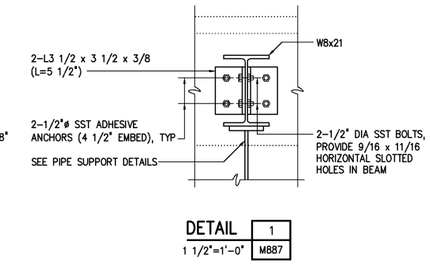
SECTION C M887

3/4"=1'-0"



SECTION D M887

3/4"=1'-0"



DETAIL 1 M887

1 1/2"=1'-0"

NOTES:

1. FOR DECANT STRUCTURE IN LAGOONS 2 AND 3, PROVIDE 1" LINE WITH BALL CHECK VALVE AND INSECT SCREEN.
2. DECANT STRUCTURES FOR LAGOONS 2 AND 3 DO NOT HAVE 8" OVERFLOW PIPE.
3. FLOAT SWITCHES ELEVATION SHALL BE FIELD ADJUSTABLE FROM TOP SLAB.
4. W8 INDICATES AL W8x6.18.
5. W6 INDICATES AL W6x4.03.
6. C8 INDICATES AL C8x4.15.
7. T4 INDICATES AL T4x3.74.
8. PROVIDE PRECAST CONCRETE VALVE VAULT AT DECANT STRUCTURES FOR LAGOONS 2 AND 3. DECANT STRUCTURES FOR LAGOONS 1, 4 AND 5 DO NOT HAVE VALVES OR VALVE VAULT. VAULT SHALL BE DESIGNED FOR H20 WHEEL LOAD.

NO.	ISSUED FOR	DATE	BY
3	AS BUILT	OCT 2007	RLT
2	CONSTRUCTION	MAR 2004	RLT
1	REGULATORY APPROVAL	NOV 2003	RLT

DESIGNED RWB/DDZ
DRAWN RWB/DDZ
CHECKED
PROJ. ENGR. DAN
APPROVED

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769

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CITY OF ROANOKE
VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT
PROCESS TRAIN IMPROVEMENTS

MISCELLANEOUS YARD STRUCTURES
MECHANICAL
PLANS, SECTIONS AND DETAILS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE MARCH 2004
H & S JOB NUMBER 30788B
CONTRACT NUMBER B
DRAWING NUMBER M887

PLOT DATE 03/29/04 11:12am FILE= H:\30788\30788B\MECH\m887 by RBATCHELOR XREFs=30788B\MISC\30788Ib, 860\LDPS-S01, 860\LDPS-PT, 880\LDPS-M-DA, 880\LDPS-S02, 860\LDPS-S03,