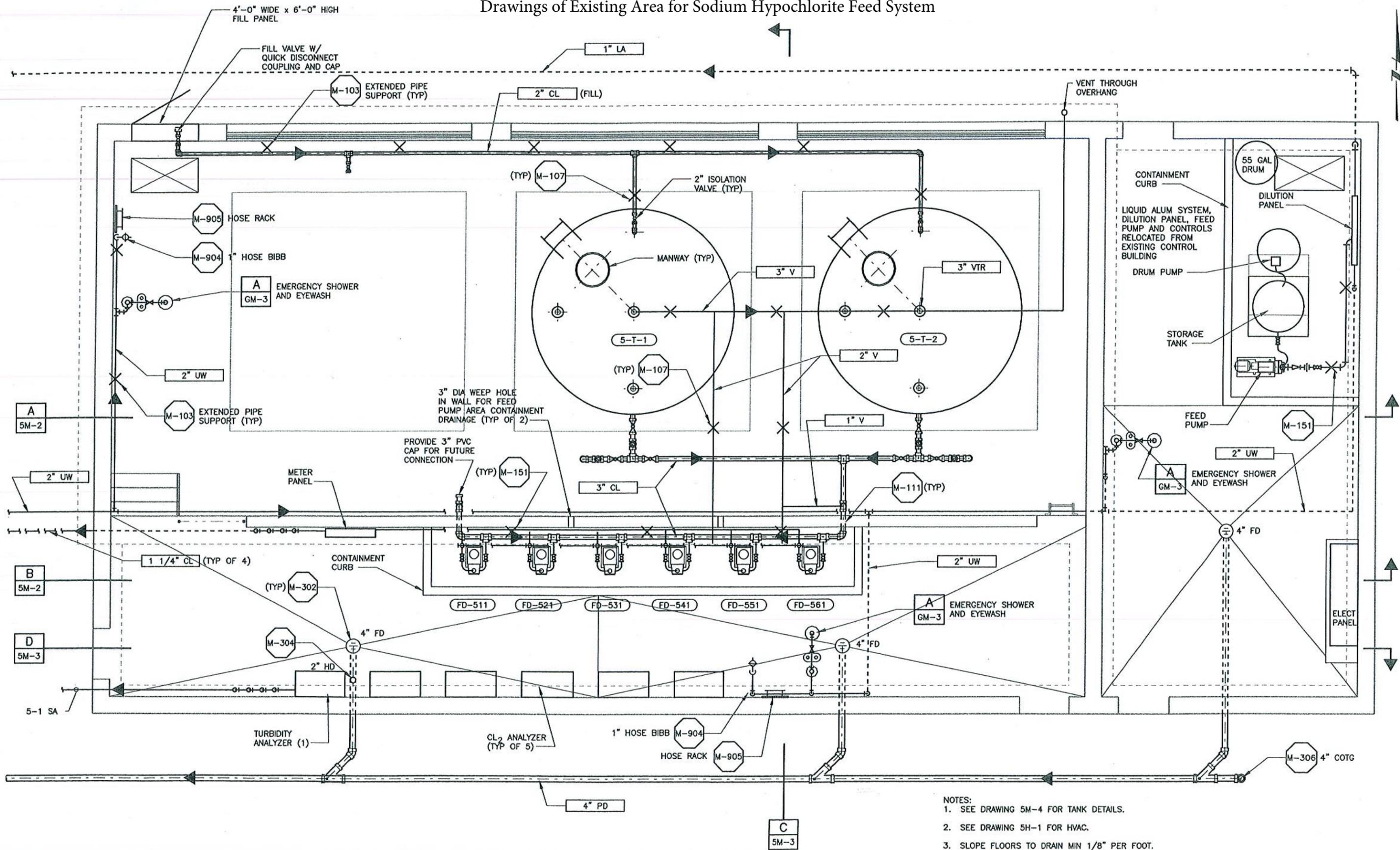


Drawings of Existing Area for Sodium Hypochlorite Feed System



- NOTES:
 1. SEE DRAWING 5M-4 FOR TANK DETAILS.
 2. SEE DRAWING 5H-1 FOR HVAC.
 3. SLOPE FLOORS TO DRAIN MIN 1/8" PER FOOT.

TIME: 13:15

PLOT DATE: 05-NOV-1999

FILE No. P:\pompanobeach\1324166\801\14codd\mech\pbwrc5m01.dgn

REV	DATE	BY	DESCRIPTION

SCALE:
 3/8" = 1'-0"

WARNING
 0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED D. BAAR
 DRAWN D. DAVIS
 CHECKED *

SUBMITTED
 PROJECT MANAGER _____ LICENSE NO. _____ DATE _____
 RECOMMENDED
 MONTGOMERY WATSON _____ LICENSE NO. _____ DATE _____



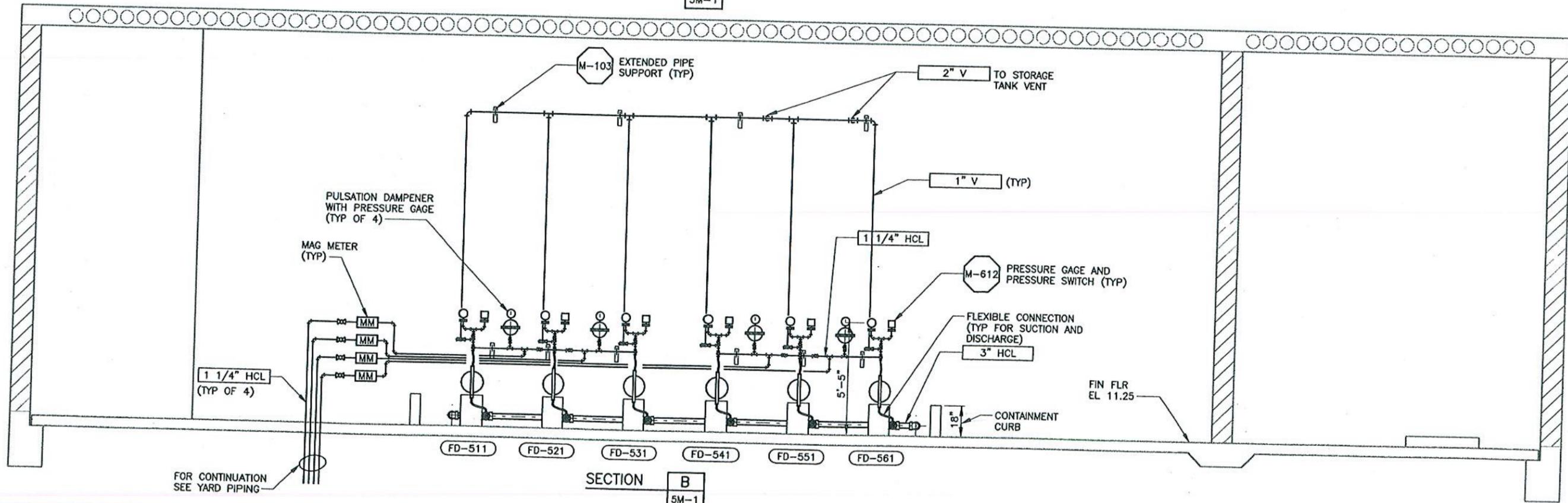
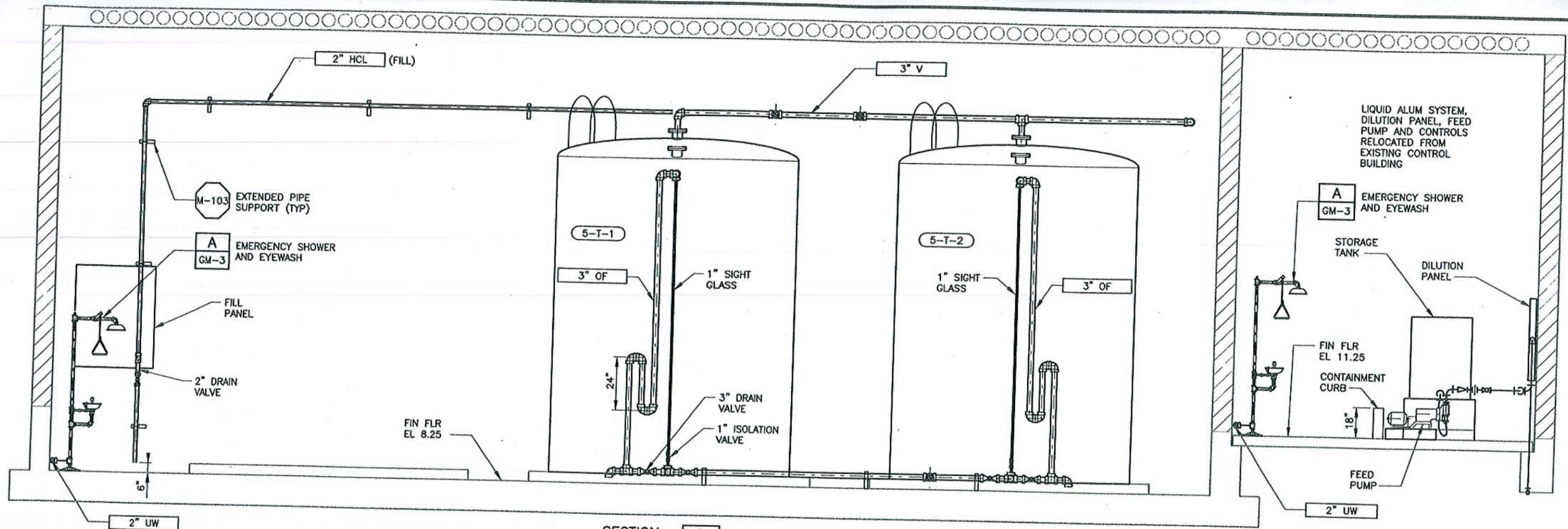
MONTGOMERY WATSON
 Ft. Lauderdale, Florida

City of Pompano Beach, Florida
 Water Resource Center
 Treated Wastewater Effluent
 Irrigation Facility Expansion

TREATED WASTEWATER EFFLUENT
 IRRIGATION FACILITY EXPANSION
 CHEMICAL BUILDING - FLOOR PLAN

SHEET
5M-1

JOB No. 166.021801 FILE No. P:\pompanobeach\1324166\801\14cadd\mec\pwwrc5m02.dgn PLOT DATE: 05-NOV-1999 TIME: 13:15



REV	DATE	BY	DESCRIPTION

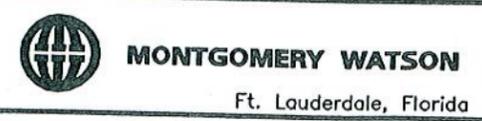
SCALE: 3/8" = 1'-0"

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: D. BAAR
DRAWN: D. DAVIS
CHECKED: *

SUBMITTED
PROJECT MANAGER
RECOMMENDED
MONTGOMERY WATSON

LICENSE NO. DATE
LICENSE NO. DATE



City of Pompano Beach, Florida
Water Resource Center
Treated Wastewater Effluent
Irrigation Facility Expansion

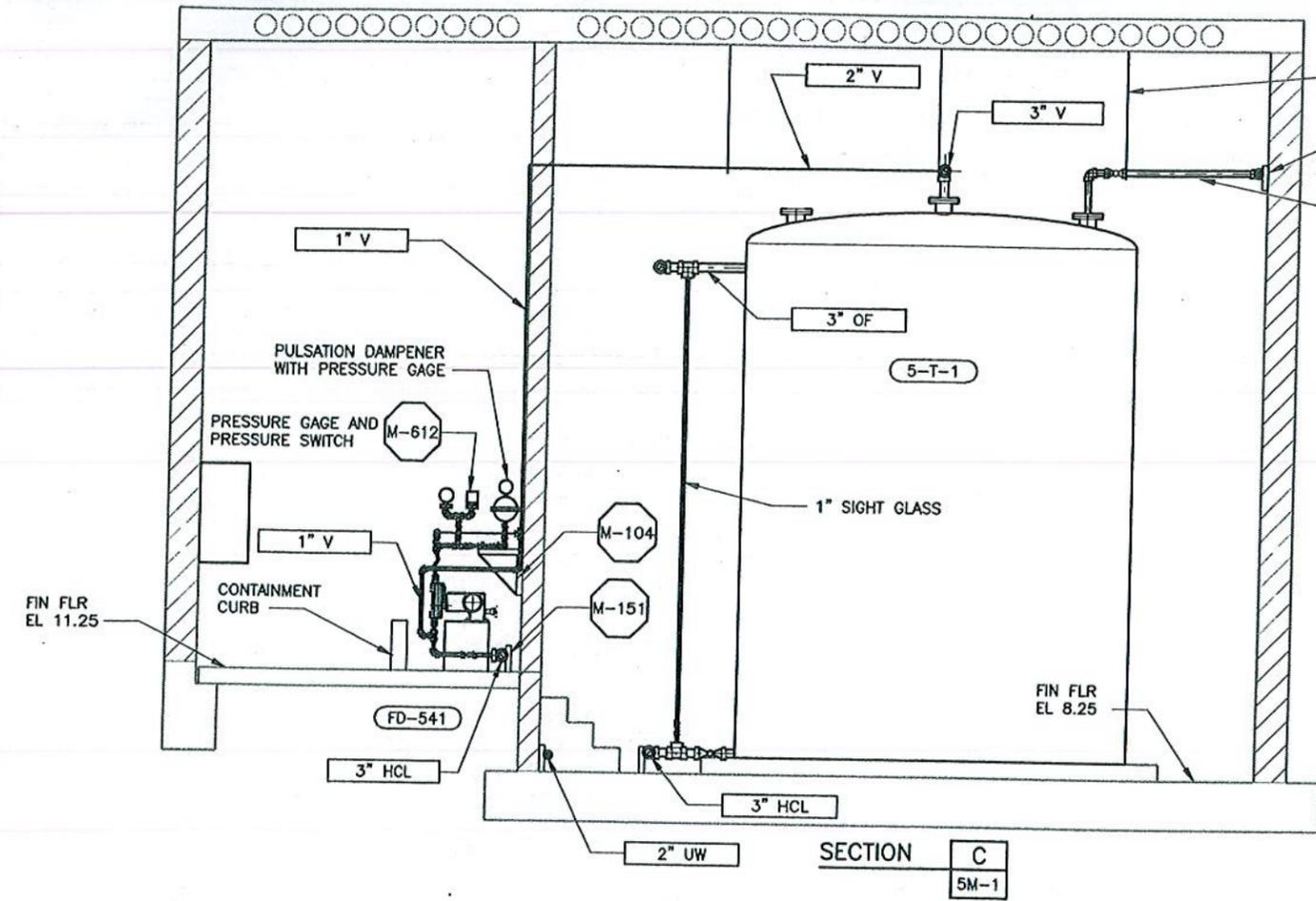
TREATED WASTEWATER EFFLUENT
IRRIGATION FACILITY EXPANSION
CHEMICAL BUILDING - SECTION

SHEET
5M-2

TIME: 13:16

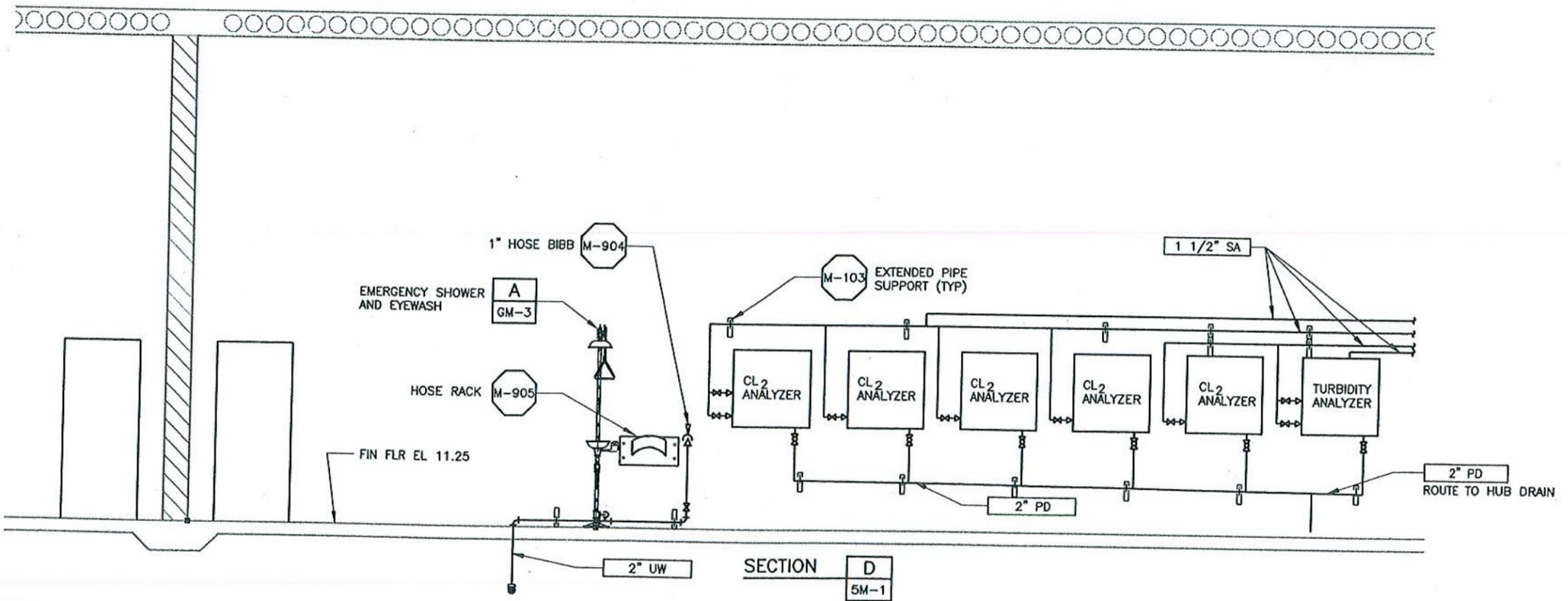
PLOT DATE: 05-NOV-1999

JOB No. 166.021801 FILE No. g:\pompanobeach\1324166\801\14cadd\mec\pwr\5m03.dgn



M-107 (TYP)
 M-103 EXTENDED PIPE SUPPORT (TYP)
 2" HCL (FILL)

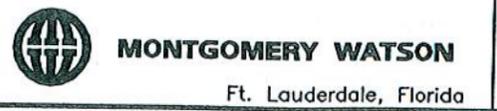
NOTES:
 1. SEE DRAWING 5M-4 FOR TANK DETAILS.
 2. SEE DRAWING 5H-1 FOR HVAC.



REV	DATE	BY	DESCRIPTION

SCALE: 3/8" = 1'-0"
 WARNING: IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED: D. BAAR
 DRAWN: D. DAVIS
 CHECKED: *
 SUBMITTED: _____
 PROJECT MANAGER: _____
 RECOMMENDED: _____
 LICENSE NO.: _____
 DATE: _____
 MONTGOMERY WATSON
 LICENSE NO.: _____
 DATE: _____



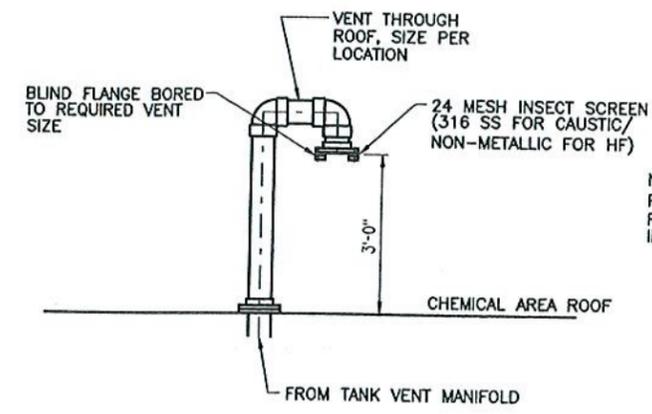
City of Pompano Beach, Florida
 Water Resource Center
 Treated Wastewater Effluent
 Irrigation Facility Expansion

TREATED WASTEWATER EFFLUENT
 IRRIGATION FACILITY EXPANSION
 CHEMICAL BUILDING - SECTION

SHEET 5M-3

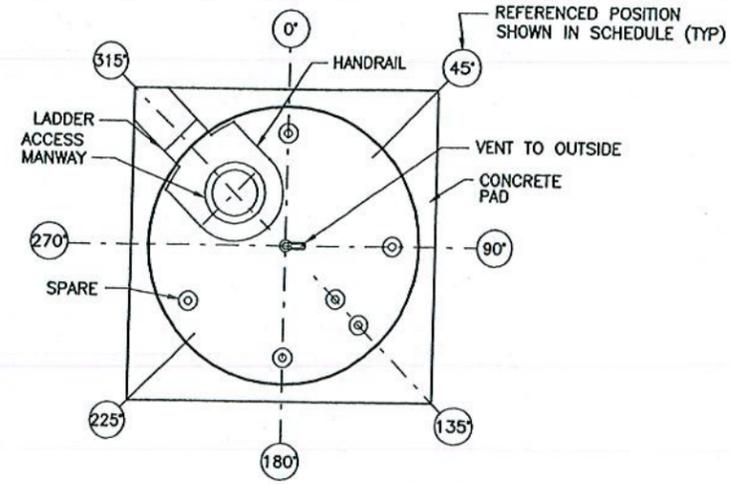
STORAGE TANK DESCRIPTION	STORAGE TANK CONSTRUCTION	OPERATING CAPACITY (NOTE 9)	TANK DIA	TOTAL TANK HEIGHT	VENT		FILL (TOP)		OVERFLOW		METERING PUMP SUCTION/DRAIN		RECIRC PUMP RETURN		PRV RETURN		ULTRASONIC LEVEL		LEVEL SWITCH		LADDER/ACCESS MANWAY		I.D. LABEL
		GAL	FT	FT	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	SIZE IN-DIA	POS	
SODIUM HYPOCHLORITE	FRP	12,500	12'-0"	15'-6"	6"	Φ	2"	180'	2"	180'	2"	180'	NA	NA	1"	180'	4"	180'	2"	270'	24"	225'	270'
																							270'
																							0'
																							24"
																							315'
																							225'

FRP FIBERGLASS REINFORCED PLASTIC
 Φ DENOTES CENTER OF TANK

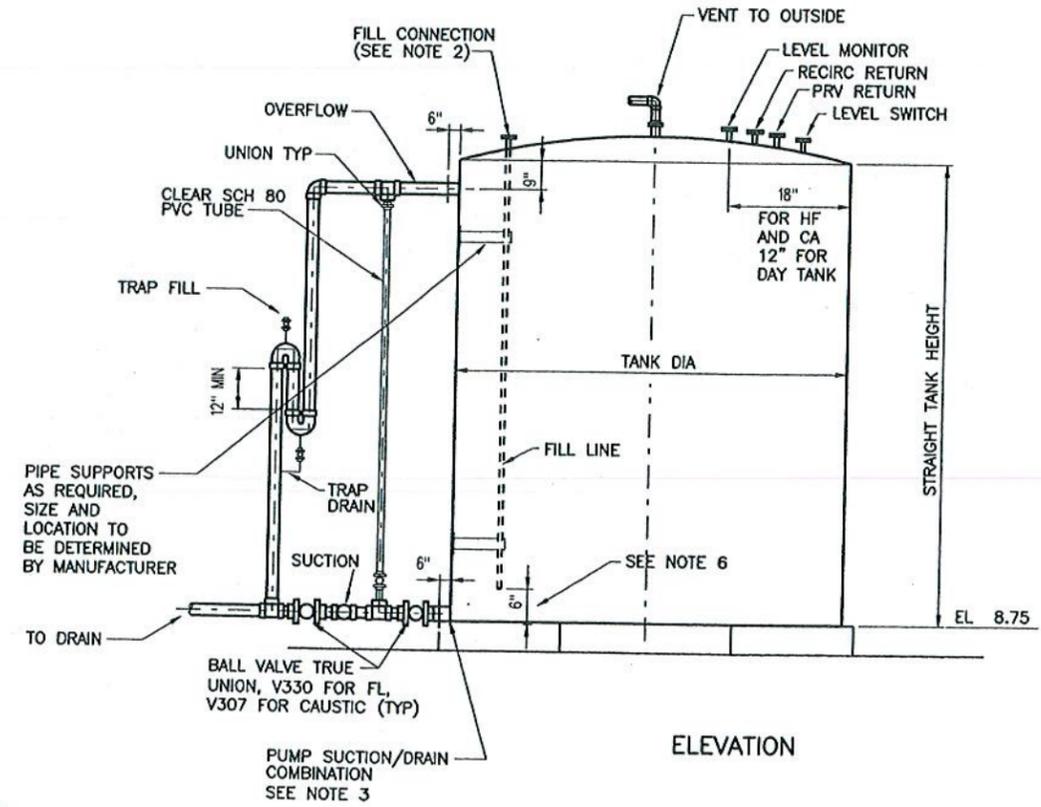


NOTES:
 PROVIDE FITTINGS AS NECESSARY TO AVOID ROOF TRUSSES OR ANY OTHER CONFLICTS IN INSTALLING VENTS THROUGH ROOF.

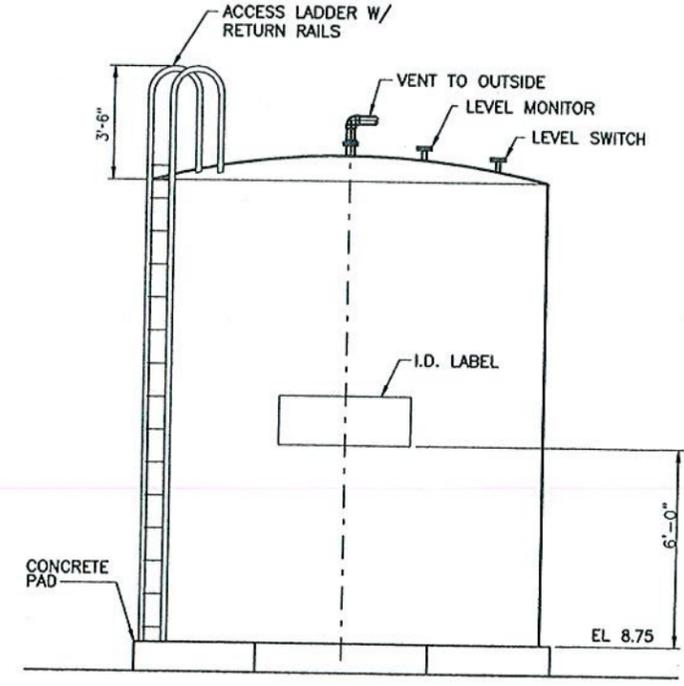
TANK VENT DETAIL *
 *



ORIENTATION PLAN



ELEVATION



ELEVATION

TYPICAL TANK ARRANGEMENT

- NOTES:
- FOR SODIUM HYPOCHLORITE, ALL BOLTS AND METAL PARTS OF THE ANCHORING SYSTEM SHALL BE COATED WITH HAND LAY-UP, FIBER REINFORCED POLYESTER RESIN AFTER TANK INSTALLATION.
 - PROVIDE 1/2" DIA. OPENINGS IN THE SIDE OF THE FILL LINE INSIDE THE TANK AND 4" BELOW THE TOP OF THE TANK AT APPROXIMATELY 180° APART ORIENT OPENING AWAY FROM OVERFLOW CONNECTION.
 - METERING PUMP SUCTION/DRAIN CONNECTION SHALL BE AN INTEGRALLY MOLDED FLANGE FLUSH WITH THE TANK INVERT. CONTRACTOR SHALL COORDINATE A BLOCK OUT IN THE CONCRETE EQUIPMENT PAD TO PROVIDE CLEARANCE FOR THE ISOLATION VALVE.
 - TANK VOLUMES ARE APPROXIMATE BASED ON TANK SUPPLIER. HEIGHT TO OVERFLOW INVERT WILL VARY BASED ON MANUFACTURER OF TANK.
 - PROVIDE INSULATION FOR THE CAUSTIC TANK PER SPECIFICATIONS.
 - THE FILL PIPE SHALL BE BROUGHT TO WITHIN 6" FROM THE BOTTOM FOR ALL TANKS.
 - PROVIDE 1/4" NEOPRENE PAD BETWEEN ALL STORAGE TANKS AND CONCRETE MAINTENANCE PADS. THE PAD SHALL PROVIDE FULL BOTTOM COVERAGE.
 - FURNISH AND INSTALL, AS NECESSARY, FIBERGLASS UNISTRUT SUPPORT SYSTEM FOR OVERFLOW/U-TRAP PIPING.

JOB No. 166.021801 FILE No. P:\pompomobeach\1324166\801\14cadd\mec\pbwrc5m04.dgn PLOT DATE: 05-NOV-1999 TIME: 13:17

SCALE:	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	DESIGNED D. BAAR	SUBMITTED
NONE		DRAWN D. DAVIS	PROJECT MANAGER
		CHECKED *	RECOMMENDED
			MONTGOMERY WATSON
			LICENSE NO. DATE

MONTGOMERY WATSON
 Ft. Lauderdale, Florida

City of Pompano Beach, Florida
 Water Resource Center
 Treated Wastewater Effluent
 Irrigation Facility Expansion

TREATED WASTEWATER EFFLUENT
 IRRIGATION FACILITY EXPANSION
 TANK SCHEDULE AND DETAILS

SHEET
5M-4