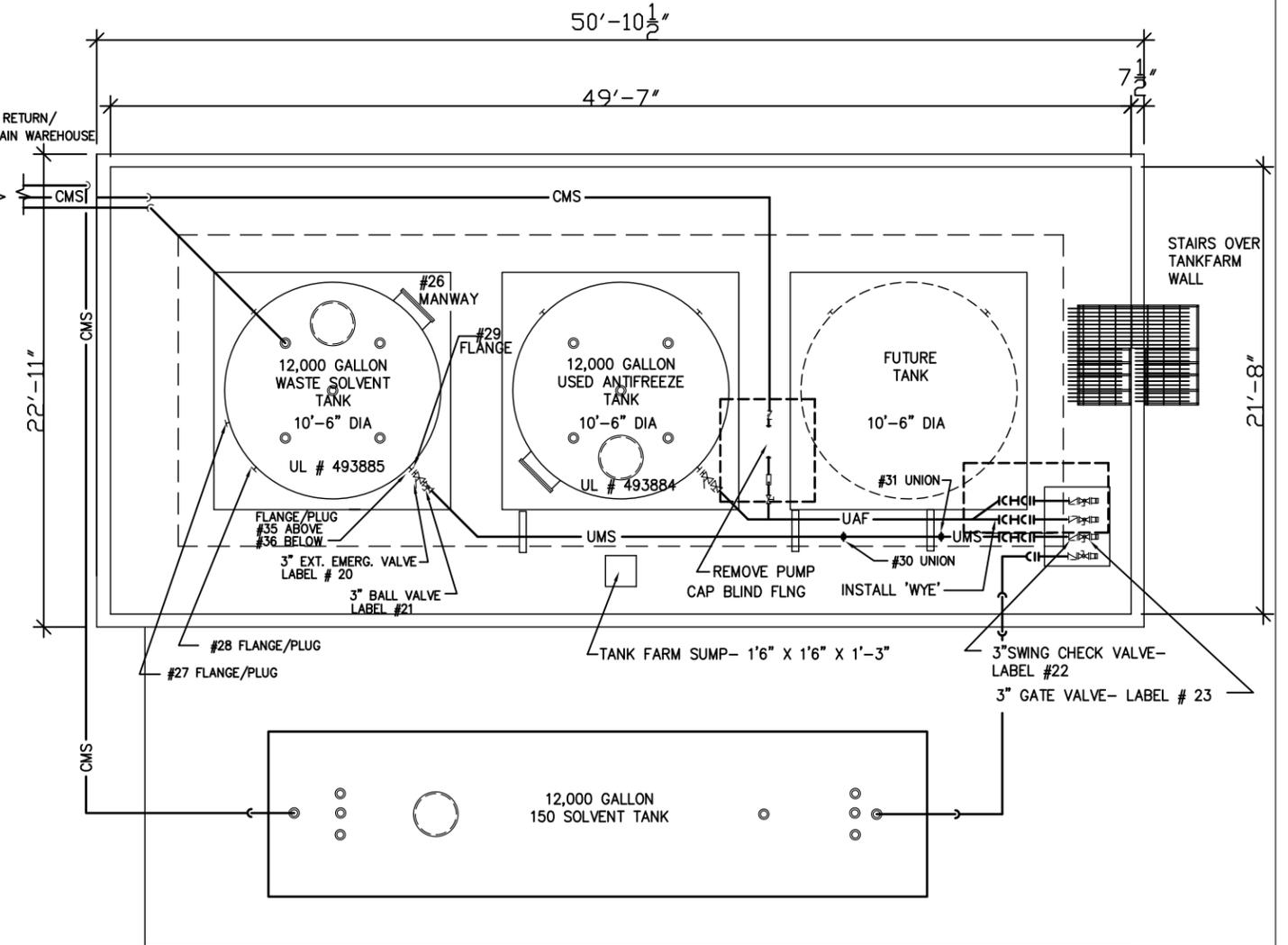
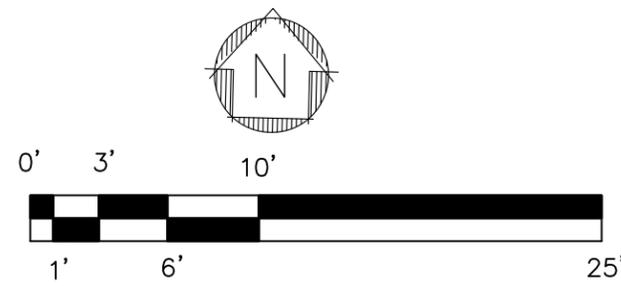
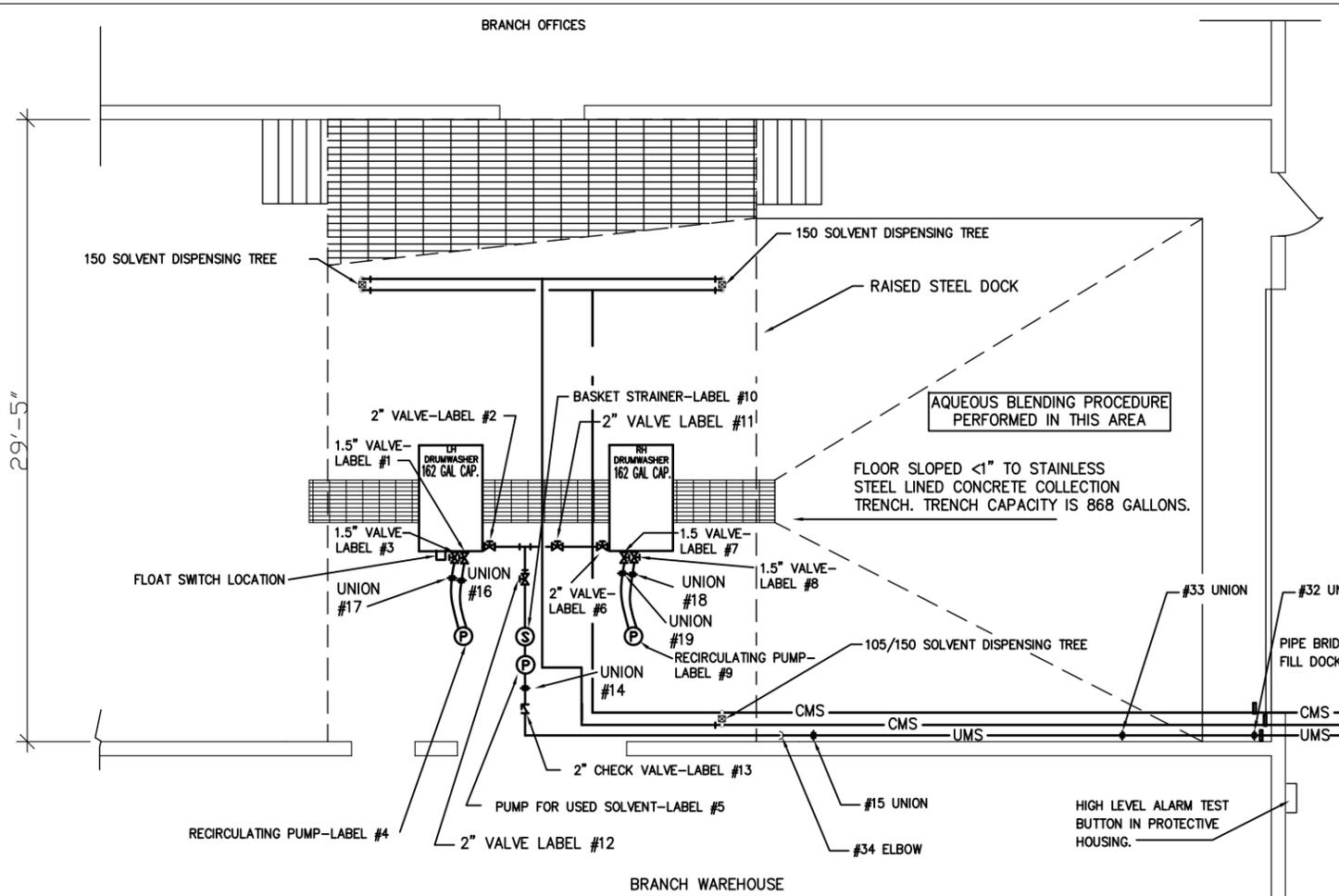


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Exhibit B-7



**DIKE VOLUME CALCULATION - 12,000 GAL. STORAGE TANK (DISH BOTTOM) DIKE HEIGHT 3'-0"** CALC4

FORMULAE USED:  
 $(\frac{1}{3} \pi h^2 (3r-h) \times 7.48 \text{ GAL./CU. FT.}) = \text{TANK HEAD DISPLACEMENT VOLUME (GAL.'S)}$   
 $\pi R^2 (H-S-H_1) \times 7.48 \text{ GAL./CF.} = \text{TANK SHELL DISPLACEMENT VOLUME (GAL.'S)}$   
 $(L \times W) \times 7.48 \text{ GAL./CU. FT.} = \text{DIKE VOLUME (GAL.'S)}$   
 $(L_1 \times W_1 \times H_1) \times 7.48 \text{ GAL./CF.} = \text{TANK PAD DISPLACEMENT VOLUME (GAL.'S)}$   
 $\pi R^2 (H_2) \times 7.48 \text{ GAL./CF.} = \text{TANK SHELL DISPLACEMENT VOLUME (GAL.'S)}$

R (TANK RADIUS) = 5.25 FT.  
 R<sub>2</sub> (TANK RADIUS) = 5.29 FT.  
 L (DIKE LENGTH) = 49.55 FT.  
 W (DIKE WIDTH) = 21.65 FT.  
 H (DIKE HEIGHT) = 3.54 FT.  
 r (DISH RADIUS) = 10.50 FT.  
 h (DISH HEIGHT) = 1.61 FT.  
 S (SKIRT HEIGHT) = 2.0 FT.  
 L<sub>1</sub> (TANK PAD LENGTH) = 42.96 FT.  
 W<sub>1</sub> (TANK PAD WIDTH) = 15.06 FT.  
 H<sub>1</sub> (TANK PAD HEIGHT) = 0.167 FT.  
 H<sub>2</sub> (TANK BAR HEIGHT) = 0.083 FT.  
 H<sub>3</sub> (TANK HEIGHT) = 2.916 FT.

DIKE VOLUME:  
 $(49.55 \times 21.65 \times 3.54) \times 7.48 = 28,405 \text{ GAL. (←)}$

SUMP VOLUME:  
 $\pi R^2 \times .75 \times 1.25 \times 7.48 = 16 \text{ GAL. (←)}$

VOLUME OF LARGEST TANK WITHIN DIKED AREA:  
 $(\frac{1}{3} \pi \times 10.5^2 \times (3 \times 10.5 - 1.61) \times 7.48) + (\pi \times 5.25^2 \times (3.54 - 2.0 - 0.167) \times 7.48) = 607 + 887.0 = 1,494 \text{ GAL. (←)}$

TANK PAD DISPLACEMENT VOLUME:  
 $42.96 \times 15.06 \times 0.167 \times 7.48 = 808 \text{ GAL. (←)}$

2% MISC. DISPLACEMENT FOR PUMPS, PIPING, FITTINGS, SUPPORTS  
 = 284 GAL. (←)

RAINFALL ALLOWANCE: 25 YR. 24 HR. = 0.417'  
 $49.55 \times 21.65 \times 0.417 \times 7.48 = 3,346 \text{ GAL. (←)}$

**TOTAL (EXCESS) = 10,489 GAL. (←)**

SYMBOL LIST	
	CAMLOC COUPLING
	ELBOW
	GATE VALVE
	INTERNAL EMERGENCY VALVE
	BALL VALVE
	SCREWED COUPLING
	CHECK VALVE
	PUMP
	BASKET STRAINER
	SCREWED UNION
	FLEXIBLE HOSE
	SOLVENT DISPENSING TREE
	ELBOW DOWN
	CLEAN MINERAL SPIRITS
	USED MINERAL SPIRITS

NO.	DESCRIPTION	BY	CHK	APPR	DATE
07	REVISD FOR PERMIT	JEK	NC	NC	080315
06	105 PIPING CONVERSION	GAS	GAS	GD	030411
05	REVISED PER SITE INSPECTION	JEK	MC	MC	100807
05	REVISED PER SITE INSPECTION	JEK	MC	MC	071007
04	SHOW 12K 150 SOLVENT TANK	WEY	-	-	120994
03	MODIFY TO AS BUILT	WEY	-	-	121493
02	ADDED HIGHLIGHTED PUMP/PIPING NOTES	HJP	-	-	021492

**TANK FARM/ SHELTER PLAN**

**SAFETY-KLEEN SYSTEMS, INC.**  
 2600 N. CENT. EXPRESSWAY STE 400 RICHARDSON, TX, 75080  
 PHONE: 800-669-5740

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1/4" = 1'-0"	ALI	-	-	-	04-04-90

NO.	DESCRIPTION	BY	CHK	APPR	DATE

SERVICE CENTER LOCATION: CHANDLER, ARIZONA  
 SC-DWG NUMBER: 7134-4100-150  
 REV. NO.: 07