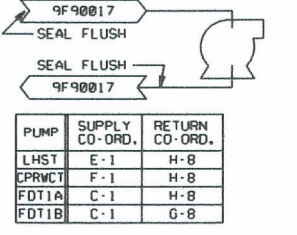


- NOTES:
1. LOWER LOOP TO EXTEND 12 INCHES BELOW CONNECTION AND TOP LOOP TO EXTEND TO TOP OF TANK.
 2. OVERFLOW LINE TO FUNNEL IN DRAIN HEADER.
 3. SIPHON BREAKER LOCATED ON TOP OF LOOP.
 4. TANK BOTTOM SLOPED.
 5. PUMPS TO HAVE SEAL FLUSHING ARRANGEMENT AS FOLLOWS:



- | PUMP | SUPPLY CO-DRAW | RETURN CO-DRAW |
|-------|----------------|----------------|
| LHST | E-1 | H-8 |
| CPRWC | F-1 | H-8 |
| FDTIA | C-1 | H-8 |
| FDTIB | C-1 | G-8 |
6. DELETED
 7. LOCATE VALVE AND HANDWHEEL IN FILTER VALVE CUBICLE.
 8. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATION WL EXCEPT AS NOTED.
 9. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
 10. DELETED
 11. LOCATE PI'S NEAR PD'S IN FILTER CORRIDOR.
 12. DELETED
 13. DELETED
 14. THE LARGE END OF THE REDUCER IS OPENED SO THAT THE TANK WILL NOT BE SUBJECT TO A VACUUM FROM THE VENT HEADER. THE REDUCER IS USED AS A FUME COLLECTOR TO ALLOW THE TANK GASES VENTED OFF THROUGH THE TANK VENT RISER TO BE COLLECTED AND SUCKED INTO THE PLANT VENT HEADER RATHER THAN DISCHARGED TO THE ATMOSPHERE.
 15. INSTRUMENTS ON THIS DIAGRAM SEE GENERAL NOTE 'D' ON DWG. 9A310F00002.
 16. DELETED
 17. DELETED
 18. THIS DRAWING SUPERSEDES BPC DRAWING TPNB NUMBER 7R381F5825.
 19. THIS DRAWING IS SHEET 5 OF 12 OF THE LWS P&ID SET. SEE REFERENCES 2 THROUGH 12 FOR OTHER LWS P&ID SET DRAWINGS.
 20. THE INSTALLATION OF FILTER ELEMENTS INSIDE THE FILTER HOUSINGS OF THE FDT-LHST AND CPRWC FILTERS IS OPTIONAL.
 21. IN LIEU OF SAMPLING ISOLATION VALVES WL8242, WL8226 & TUBING TO PRIMARY SAMPLING PANEL ZLP-131, SAMPLE WILL BE TAKEN LOCALLY BY UTILIZING PUMP CASING DRAIN ISOLATION VALVES WL8758 FOR LHST SAMPLE AND WL8764 FOR CPRWC SAMPLE.
 22. HEAT TRACE SHOWN ON LINES AND COMPONENTS FOR WL SYSTEM ARE ABANDONED/SPARED IN PLACE.

- REFERENCES:
1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
 2. LWS P&ID NO. 7R380F05022
 3. LWS P&ID NO. 7R380F05023
 4. LWS P&ID NO. 7R380F05024
 5. LWS P&ID NO. 7R380F05026
 6. LWS P&ID NO. 7R380F90001
 7. LWS P&ID NO. 7R380F90017
 8. LWS P&ID NO. 7R380F90018
 9. LWS P&ID NO. 7R380F90020
 10. LWS P&ID NO. 7R380F90021
 11. LWS P&ID NO. 7R380F90022
 12. LWS P&ID NO. 5R380F05027

NO.	ISSUE DATE	REVISION
15	4-28-94	INCORP. PCF # 177614A
14	3-22-94	ISSUED FOR UTILIZATION (EDITORIAL)
13	10-29-93	INCORP. DCN MD-2838
12	6-25-91	INCORP. DCN MD-2002
11	8-03-90	ML&P ASSUMES DESIGN CHANGE CONTROL & INC. DCN MD-1196
8-10	5-13-83	ISS FOR CONSTR., INCORP. DCN 1.2.3 (7R380F05025) & REV RPT

BY	CHK	RE	DV	NA	SE	PE	NO.	ISSUE DATE	REVISION
							18		EDITORIAL AS-BUILT TO SHOW CORRECT VALVE POSITIONS. (LOCATIONS G-5, G-3, F-2 & A-4).
							17	8/26-96	INCORP. DCN 9604751
							16	8/10/95	INCORP. DCN 9502341 & EDITORIAL



PIPING & INSTRUMENTATION DIAGRAM LIQUID WASTE PROCESSING SYSTEM		
SCALE	DWG. NO.	REV.
NONE	7R380F90000 #2	18
LR BOUNDARY DRAWING NO. REV.		
LR-STP-WL-7R380F90000#2 0		

2303