GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

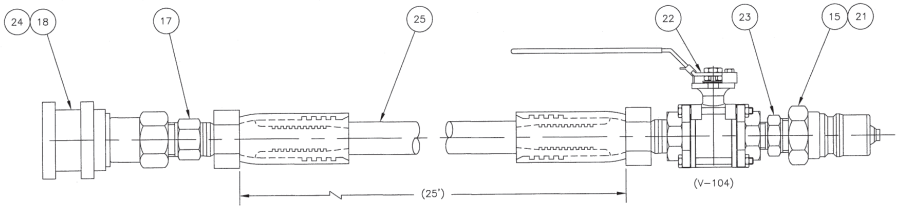
1. ALL DIMENSIONS ARE IN INCHES. FABRICATION TOLERANCES AS SHOWN.
2. BREAK ALL SHARP EDGES AND REMOVE ALL BURRS.
3. SEAL PIPE THREADS ON HOSES WITH LOCTITE 567 PST WITH ACTIVATOR 7649 PER MFG DIRECTIONS.
4. ALL HOSE END CONNECTIONS SHALL BE CRIMPED OR SWAGED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. HOSE LENGTH TOLERANCE IS ±2'.
6. HOSE ASSEMBLY ITEMS 25, 27, AND 29 TO BE HYDROSTATICALLY TESTED BY MANUFACTURER IN ACCORDANCE WITH RUBBER MANUFACTURERS ASSOCIATION. DESIGN PRESSURE FOR HOSE ASSEMBLIES IS 150 PSIG. PERFORM HYDROSTATIC PRESSURE TEST TO 300 PSIG +10/−0 PER RMA−IP−2. MAINTAIN PRESSURE FOR 5 MINUTES WHILE INSPECTING FOR LEAKS, FITTING SLIPPAGE, OR WEAKNESS OF HOSE STRUCTURE.
7. FOLLOWING FABRICATION OF NON HYDRAULIC HOSE ASSEMBLIES PERFORM HYDROSTATIC PRESSURE TEST OF ALL HOSE ASSEMBLIES TO 225 PSIG +10/−0 PSIG PER ASME B31.3. MAINTAIN PRESSURE FOR 10 MINUTES AND VERIFY NO LEAKAGE FROM END CONNECTIONS AND HOSE. COMPLETELY DRAIN ALL HOSE ASSEMBLIES FOLLOWING TESTING AND AIR PURGE.

8 CRIMP THREADED HOSE ENDS PER MANUFACTURERS DIRECTION. HYDRAULIC HOSE ASSEMBLY MANUFACTURER TO PROOF TEST COMPLETED ASSEMBLY PER SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) SAE J343, TEST AND PROCEDURES FOR SAE 100R SERIES HYDRAULIC HOSE AND HOSE ASSEMBLIES. PROOF TEST PRESSURE OF 3000 PSI +50/−0 PSI FOR 30 TO 60 SECONDS WITHOUT INDICATION OF FAILURE OR LEAKAGE.

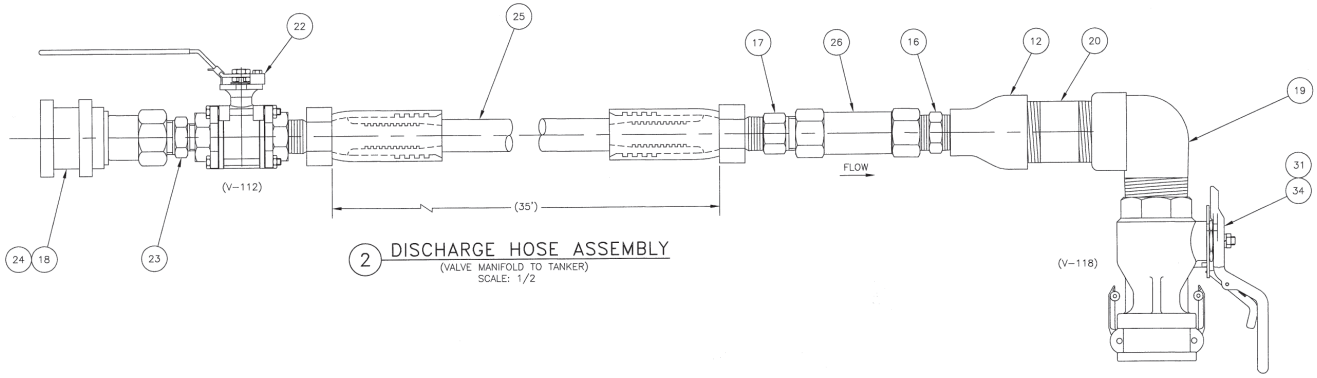
9 HYDRAULIC HOSES TO BE FILLED WITH QUINTOLUBRIC 888−46 HYDRAULIC FLUID.

10. LABEL VALVES WITH PHENOLIC LABELS, BLOCK TEXT, 3/16" SIZE LETTERS, BLACK LETTERING ON WHITE BACKGROUND, SECURE LABEL NEAR COMPONENT WITH STAINLESS STEEL WIRE.

TEXT AS FOLLOWS:
UX302A−WT−V−104
UX302A−WT−V−112
UX302A−WT−V−118
HO−64−4275−WT−V−101
HO−64−4275−RW−V−101
HO−64−4275−SA−V−102



1 DISCHARGE HOSE ASSEMBLY
(PUMP RISER BOX TO VALVE MANIFOLD)
SCALE: 1/2



2 DISCHARGE HOSE ASSEMBLY
(VALVE MANIFOLD TO TANKER)
SCALE: 1/2

PARTS LIST/MATERIAL LIST

QTY REQD −070	−060	−050	−040	−030	−020	−010	PARTS / DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHEET	ITEM NO
						X	−010	DISCHARGE HOSE ASSEMBLY (PUMP RISER BOX TO VALVE MANIFOLD)		1	1
					X		−020	DISCHARGE HOSE ASSEMBLY (VALVE MANIFOLD TO TANKER)		1	2
				X			−030	OFF LOADING HOSE ASSEMBLY (TANKER TO 241−AP TANK)		2	3
			X				−040	TANKER WATER HOSE ASSEMBLY (WATER CONTROL SKID TO TANKER)		2	4
		X					−050	TANKER AIR HOSE ASSEMBLY (AIR CONTROL SKID TO TANKER)		2	5
	X						−060	HYDRAULIC SUPPLY HOSE ASSEMBLY (HPP TO PUMP RISER BOX)		2	6
X							−070	HYDRAULIC RETURN HOSE ASSEMBLY (PUMP RISER BOX TO HPP)		2	7
											8
											9
											10
			1					CONCENTRIC REDUCER, 3" FNPT X 1" FNPT, SST, 150#	ASTM A182	2	11
			1		1			CONCENTRIC REDUCER, 2" FNPT X 1" FNPT, SST, 150#	ASTM A182	1,2	12
			1				330BSS	COUPLER, FEMALE, 3" MNPT, EVER−TITE	APG	2	13
			1				330DPSS	DUST PLUG	APG	2	14
						1	ML8−KP36	PLUG, MALE, 1" FNPT	HANSEN	1	15
			1		1		SS−16−HN	HEX NIPPLE, 1" MNPT	SWAGELOK	1,2	16
					1	1	SS−16−RB−12	HEX REDUCING BUSHING, 3/4" FNPT X 1" MNPT	SWAGELOK	1	17
					1	1	ML8−HP36	SOCKET, FEMALE, 1" FNPT	HANSEN	1	18
			1	1	1			STREET ELBOW, 2" MNPT X 2" FNPT, SST, 150#	ASTM A182	1,2	19
			1		1			PIPE NIPPLE, 2" NPT X 4" L, SCH 40, SST, SEAMLESS	ASTM A312 OR A733	1,2	20
						1	P−PDC−8−HK	PLUG DUST CAP, 1" (8−HK)	HANSEN	1	21
		1			1	1	71043RRL	BALL VALVE, FULL PORT, 3/4" FNPT	FLOWTEK	1,2	22
					1	1	SS−16−HRN−12	HEX REDUCING NIPPLE, 3/4" MNPT X 1" MNPT	SWAGELOK	1	23
					1	1	P−SDC−8−HK	SOCKET DUST PLUG, 1" (8−HK)	HANSEN	1	24
		AR			AR	AR		GOODYEAR ø3/4" HORIZON 300 W/ 3/4" MNPT SST ENDS	GOODYEAR	1,2	25
			1		1		SS−16C4−1	CHECK VALVE, 1" FNPT	SWAGELOK	1,2	26
			AR					GOODYEAR ø1" HORIZON 300 W/ 1" MNPT SST ENDS	GOODYEAR	2	27
		1					RD075BL	COUPLER, FEMALE 3/4" FNPT BOSS−LOCK	DIXON	2	28
				AR				MAINLINER ø1 1/2", 200 PSI W/ 1 1/2" MNPT SST ENDS	HBD INDUSTRIES	2	29
				1			RD200BL	COUPLER, FEMALE 2" FNPT, BOSS−LOCK	DIXON	2	30
			1	1	1		44000200V	COUPLER, MAXI−DRY, MD20D SST/VITON, 2" FNPT	PT COUPLING	1,2	31
				2				REDUCING BUSHING, 2" MNPT X 1 1/2" FNPT, SST, 150#	ASTM A182	2	32
				1			200−DP−SS	DUST PLUG	DIXON	2	33
			1	1	1		1401225	DUST PLUG, 2 1/2", 25W	PT COUPLING	1,2	34
1	1						2SN−R2AT−8	HYDRAULIC HOSE, ø1/2", FLEXOR, 4000 PSI	ALPHAGOMMA	2	35
2	2						10143−8−8	MALE, RIGID, STRAIGHT, ø1/2" HOSE	PARKER	2	36
1	1						SM−501−8FP	COUPLER, 1/2" FNPT	PARKER	2	37
1	1						SM−502−8FP	NIPPLE, 1/2" FNPT	PARKER	2	38
		1					SS−12−SE	3/4" STREET ELBOW	SWAGELOK	2	39
		2					SS−12−HN	3/4" HEX NIPPLE	SWAGELOK	2	40
		1					SS−12C4−1	CHECK VALVE, 3/4" FNPT	SWAGELOK	2	41
		1					75−DP−SS	DUST PLUG, 3/4"	DIXON	2	42
		1					307DSS	COUPLER, FEMALE, 3/4" FNPT EVER−TITE	APG	2	43
		1					307DPSS	DUST PLUG, 3/4", EVER−TITE	APG	2	44

DWG NO	TITLE
H−14−107645	DRAWING TREE

DRAWING TRACEABILITY LIST — REF NUMBER / TITLE / REFERENCES / NEXT USED ON H−14−107648

REV NO	DESCRIPTION	REV BY DATE	ENGR	COMPANY

REVISIONS

NAME	DATE	COMPANY
DRAWN BY J.T. FOSS	01/08/98	CES
CHECKED		
ENGR		
APPROVED		

U.S. DEPARTMENT OF ENERGY
Office of River Protection

HOSE ASSEMBLIES

SIZE	BLDG NO	INDEX NO	DWG NO	REV
F	241G	8406	H−14−107650	0

SCALE SHOWN | CDT 823045 | SHEET 1 OF 2

DOE_TB_F.DWG (01−01)

16580

DATE: MAR 27 2000 STA: 3 ID: 18

H−14−107650 REV 0 SH 1 OF 2