GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

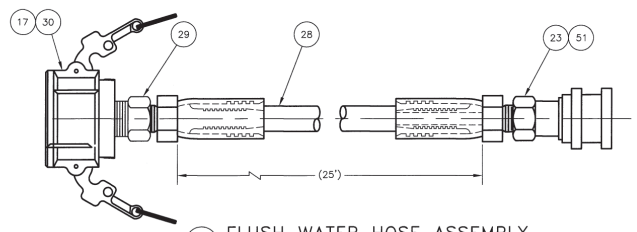
1. ALL DIMENSIONS ARE IN INCHES. FABRICATION TOLERANCES AS SHOWN.
2. BREAK ALL SHARP EDGES AND REMOVE ALL BURRS.
3. SEAL PIPE THREADS ON HOSES WITH LOCTITE 567 PST WITH ACTIVATOR 7649 PER MFG DIRECTIONS.
4. ALL HOSE END CONNECTIONS SHALL BE CRIMPED OR SWAGED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. HOSE LENGTH TOLERANCE IS ±2'.
6. HOSE ASSEMBLY ITEMS 25, 28, AND 39 TO BE HYDROSTATICALLY TESTED BY MANUFACTURER IN ACCORDANCE WITH RUBBER MANUFACTURERS ASSOCIATION. DESIGN PRESSURE FOR HOSE ASSEMBLIES IS 250 PSIG. PERFORM HYDROSTATIC PRESSURE TEST TO 500 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 WATER AND DISCHARGE HOSE ASSEMBLIES PERFORM HYDROSTATIC PRESSURE TEST OF ALL HOSE ASSEMBLIES TO 375 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.
8. FOLLOWING FABRICATION OF AIR HOSE ASSEMBLIES, PERFORM PNEUMATIC PRESSURE TEST ON EACH ASSEMBLY TO 187.5 PSIG +5/−0 PSIG PER ASME B31.3. MAINTAIN PRESSURE FOR 10 MINUTES AND VERIFY NO LEAKAGE FROM THREADED CONNECTIONS.
9. INSTALL APPROPRIATE CONNECTION TO MATE WITH SELECTED FIELD AIR COMPRESSOR UNIT AND SUPPLIED SPARE QUICK DISCONNECT PLUG.
10. HOSE ASSEMBLY ITEMS 34, TO BE HYDROSTATICALLY TESTED BY MANUFACTURER IN ACCORDANCE WITH RUBBER MANUFACTURERS ASSOCIATION. DESIGN PRESSURE FOR HOSE ASSEMBLY 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.
11. FOLLOWING FABRICATION OF OFFLOADING HOSE ASSEMBLY (ITEM 6) PERFORM HYDROSTATIC PRESSURE TEST 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 HOSE ASSEMBLY FOLLOWING TESTING.

PARTS LIST/MATERIAL LIST

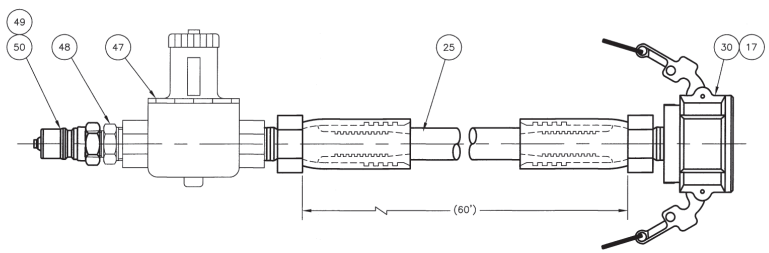
QTY REQD −070	−060	−050	−040	−030	−020	−010	PARTS / DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHEET	ITEM NO
1								CONCENTRIC REDUCER, 2" FNPT X 1" FNPT, SST	ASTM A182	2	44
1							200−F−SS	ADAPTER, MALE, 2" X 2" MNPT	DIXON	2	45
1							200−DC−SS	DUST CAP	DIXON	2	46
					1		N45BDU−EZMI	PRESSURE REDUCING VALVE 1" FNPT X 1" FNPT, 25−75 PSI	WATTS	1	47
					1		B−16−HRN−12	HEX REDUCING NIPPLE, 1" MNPT X 3/4" MNPT	SWAGELOK	1	48
					1		B6−KP31	QUICK DISCONNECT, MALE, 3/4" FNPT	HANSEN	1	49
					1		P−PDC−6−HK	DUST CAP (6−HK)	HANSEN	1	50
						1	P−SDC−6−HK	DUST PLUG, 3/4" (6−HK)	HANSEN	1	51

PARTS LIST/MATERIAL LIST

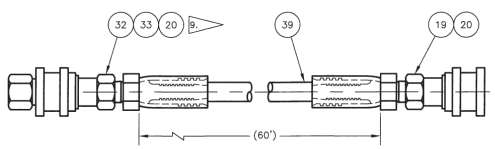
QTY REQD −070	−060	−050	−040	−030	−020	−010	PARTS / DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHEET	ITEM NO
						X	−010	FLUSH WATER HOSE ASSEMBLY (FLUSH MANIFOLD TO PUMP RISER BOX)		1	1
					X		−020	PUMP FLUSH HOSE ASSEMBLY (WATER TRUCK TO FLUSH MANIFOLD)		1	2
				X			−030	AIR HOSE ASSEMBLY (COMPRESSOR TO FLUSH MANIFOLD)		1	3
			X				−040	DISCHARGE HOSE ASSEMBLY (PUMP RISER BOX TO VALVE MANIFOLD)		2	4
		X					−050	DISCHARGE HOSE ASSEMBLY (VALVE MANIFOLD TO TANKER)		2	5
	X						−060	OFF LOADING HOSE ASSEMBLY (TANKER TO 241−AP TANK)		2	6
X							−070	TANKER WATER HOSE ASSEMBLY (WATER TRUCK TO TANKER)		2	7
											8
											9
											10
											11
											12
											13
											14
			1				ML8−KP36	QUICK DISCONNECT, MALE, 1" FNPT	HANSEN	2	15
		2	1				SS−16−HN	HEX NIPPLE, 1" MNPT	SWAGELOK	2	16
					1	1	100−DP−SS	DUST PLUG	DIXON	1,2	17
1		2	1				ML8−HP36	QUICK DISCONNECT, FEMALE, 1" FNPT	HANSEN	2	18
				1			ML4−HP26	QUICK DISCONNECT, FEMALE, 1/2" FNPT	HANSEN	1	19
				1			P−SDC−4−HK	DUST PLUG, 1/2" (4−HK)	HANSEN	1	20
			1				P−PDC−8−HK	DUST CAP, 1" (8−HK)	HANSEN	2	21
		2	1				71053RRL	BALL VALVE, FULL PORT, 1" FNPT	FLOWTEK	2	22
						1	ML6−HP31	QUICK DISCONNECT, FEMALE, 3/4" FNPT	HANSEN	1	23
1		2	1				P−SDC−8−HK	DUST PLUG, 1" (8−HK)	HANSEN	2	24
AR		AR	AR		AR			GOODYEAR 1" HORIZON, 300 W/ 1" MNPT ENDS	GOODYEAR	1,2	25
1							SS−16C4−1	CHECK VALVE, 1" FNPT	SWAGELOK	2	26
1							SS−16−HN	HEX NIPPLE, 1" MNPT	SWAGELOK	2	27
						AR		GOODYEAR 3/4" HORIZON, 300 W/ 3/4" MNPT ENDS	GOODYEAR	1	28
						1	SS−16−RB−12	REDUCING BUSHING, 1" MNPT X 3/4" FNPT	SWAGELOK	1	29
					1	1	RD100BL	COUPLER, FEMALE 1" FNPT, BOSS−LOCK	DIXON	1,2	30
											31
				1			B4−HP26	QUICK DISCONNECT, FEMALE, 1/2" FNPT	HANSEN	2	32
				1			B4−KP26	ADAPTER, MALE, QUICK DISCONNECT 1/2" FNPT	HANSEN	1,2	33
	AR							GOODYEAR 1 1/2" HORIZON, 200 W/ 1 1/2" MNPT ENDS	GOODYEAR	2	34
	1						RD200BL	COUPLER, FEMALE 2" FNPT, BOSS−LOCK	DIXON	2	35
	1						(MD20D)	DRY COUPLING, 2" FNPT, SST	(PT COUPLING)	2	36
	2							REDUCING BUSHING, 2" MNPT X 1 1/2" FNPT, SST	ASTM A182	2	37
	1						200−DP−SS	DUST PLUG	DIXON	2	38
				AR				GOODYEAR 1/2" HORIZON, 300 W/ 1/2" MNPT ENDS	GOODYEAR	1,2	39
											40
											41
											42
											43



1 FLUSH WATER HOSE ASSEMBLY
(FLUSH MANIFOLD TO PUMP RISER BOX)
SCALE: 1/2



2 PUMP FLUSH HOSE ASSEMBLY
(WATER TRUCK TO FLUSH MANIFOLD)
SCALE: 1/2



3 AIR HOSE ASSEMBLY
(COMPRESSOR TO FLUSH MANIFOLD)
SCALE: 1/2

DWG NO	TITLE

DRAWING TRACEABILITY LIST

REFERENCES	
H−14−107502	DRAWING TREE
REF NUMBER	TITLE
NEXT USED ON	H−14−107505

REVISIONS

REV NO	DESCRIPTION	REV BY DATE	ENGR COMPANY

DATE: JAN 19 2008 STA: 3 ID 18

NAME	DATE	COMPANY
DRAWN BY JT FOSS		
ALPHA		
CHECK		
ENGINEER		
CHECK		

U.S. DEPARTMENT OF ENERGY
Office of River Protection

HOSE ASSEMBLIES

SIZE	BLDG NO	INDEX NO	DWG NO	REV
F	240S	8406	H−14−107514	0

SCALE SHOWN EDIT 822716 SHEET 1 OF 2

14924

DOE_TB_F.DWG (01−01)

DWG NO H−14−107514 SH 1 OF 2 REV 0