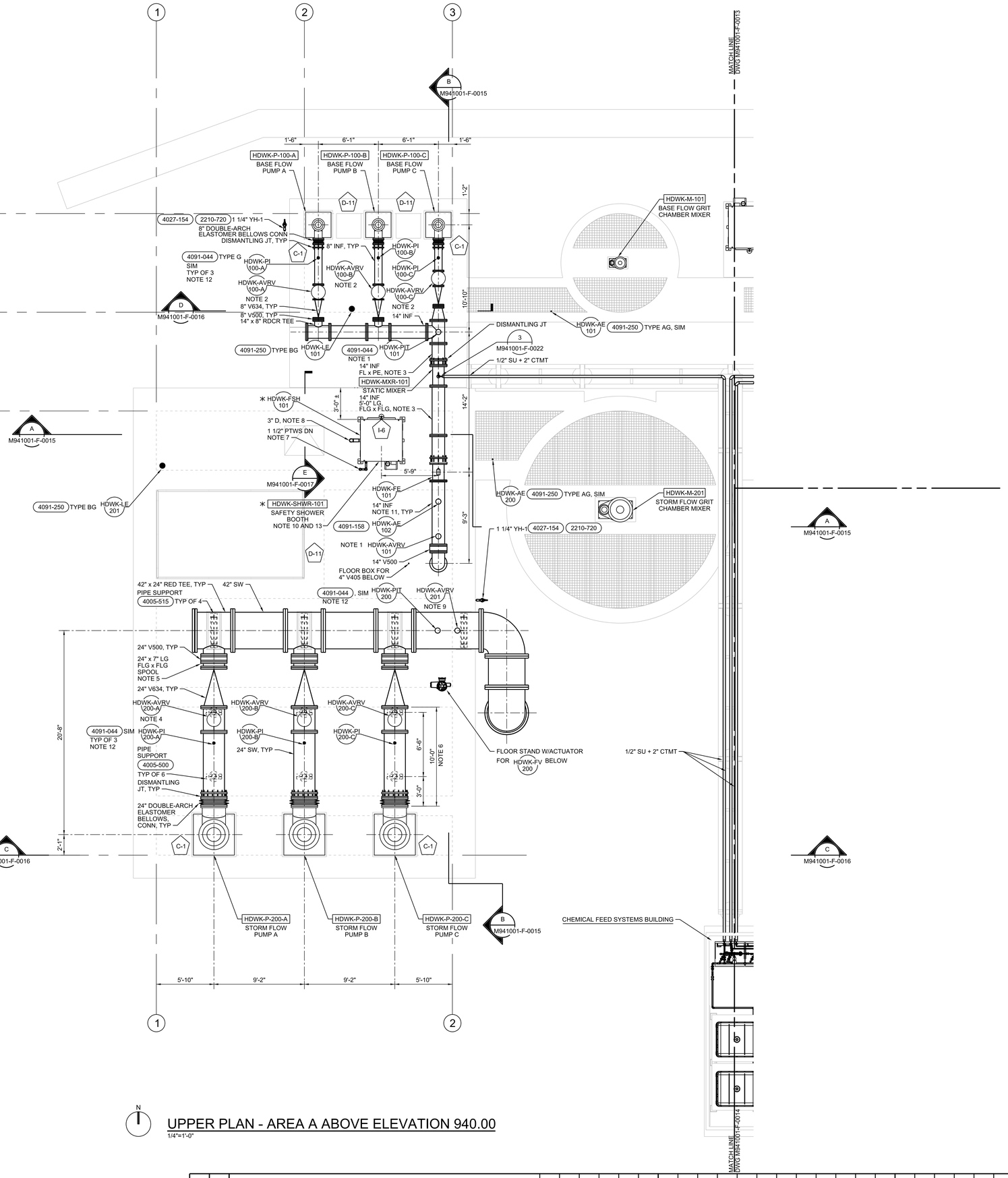

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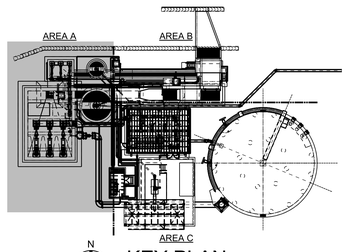
UPPER PLAN - AREA A ABOVE ELEVATION 940.00

1/4"=1'-0"

GENERAL NOTES:

1. CONNECT AVRV USING THREAD-O-LET. DRILL AND TAP PIPE FOR PIT AND AVRV. PROVIDE 2" V306 ISOLATION VALVE IN EACH LOCATION. INTERCONNECTED WITH SST NIPPLES
2. CONNECT AVRV TO 8" INF USING 8" x 4" TEE WITH 8" x 2" REDUCING FLANGE WITH 2" V306 ISOLATION VALVE INTERCONNECTED WITH 2" SST NIPPLES.
3. WHERE NOTED, PROVIDE PIPE IN 14" SCH 10S.
4. CONNECT AVRV TO 24" SW USING 24" x 6" TEE WITH 6" x 2" REDUCING FLANGE WITH 2" V306 ISOLATION VALVE INTERCONNECTED WITH 2" SST NIPPLES.
5. OFFSET BOLT HOLES ON SPOOL PIECE BY 90° TO ALLOW CLEARANCE BETWEEN BOLTS.
6. PROVIDE MINIMUM FIVE PIPE DIAMETERS FROM PUMP FLANGE TO CHECK VALVE FLANGE.
7. PROVIDE 1 1/2" x 1 1/4" REDUCER BUSHING AT CONNECTION TO SAFETY SHOWER BOOTH WITH LOCKABLE 1 1/4" V301 ISOLATION VALVE. PROVIDE TEE IMMEDIATELY UPSTREAM OF VALVE TO MINIMIZE DEAD LEG. RUN 1 1/2" PTW ALONG BOTTOM OF SLAB AND PENETRATE SLAB PER (4027-620). INSULATE ALL EXPOSED PTWS PIPING.
8. 3" D TO PENETRATE SLAB AND TERMINATE AT 6" BELOW SLAB PER DETAIL (4027-620).
9. DRILL AND TAP PIPE FOR AVRV. PROVIDE V306 ISOLATION VALVE INTERCONNECTED WITH 2" SST NIPPLES.
10. ORIENT SAFETY SHOWER BOOTH DOORS ON NORTH SIDE.
11. INSULATE AND HEAT TRACE ALL INF AND INF/D SERVICE PIPING AND APPURTENANCES, BOTH ABOVE AND BELOW THE PUMPING SYSTEM SLABS, USING TYPE 2 INSULATION AS SPECIFIED.
12. DRILL AND TAP PIPE FOR PI CONNECTION. PROVIDE V306 ISOLATION VALVE, INTERCONNECTED WITH 3/4" SST NIPPLES.
13. SEE PF-7 ON PLUMBING AND FIXTURE SCHEDULE, DRAWING P91002-F-0006.



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KEY PLAN

UCOR
URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility
Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942
« Oak Ridge, Tennessee »

PART	REV	DESCRIPTION (REVISION OR ISSUE PURPOSE)	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE	WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP
	0	ISSUED FOR CONSTRUCTION	LW	QW	SP		LE	06/2017														

REVISION APPROVALS — SQUAD CHECK

RPE: STEVEN ROBERT POLSON, REGISTERED PROFESSIONAL ENGINEER, STATE OF TENNESSEE

DRAWING APPROVALS		DATE
DRW	L WALTER	06/16/17
CHKR	Q WANG	06/16/17
DE	S POLSON	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

REV. DATE

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

PROCESS MECHANICAL
HEADWORKS
UPPER PLAN AREA A

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	M	X	X	NC	FAC	AR	E	9410-01	2	U

SH.	OF	TYPE		PART	REV
1	1	DD	M941001-F-0012	000	0

662886

ISSUED FOR CONSTRUCTION

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