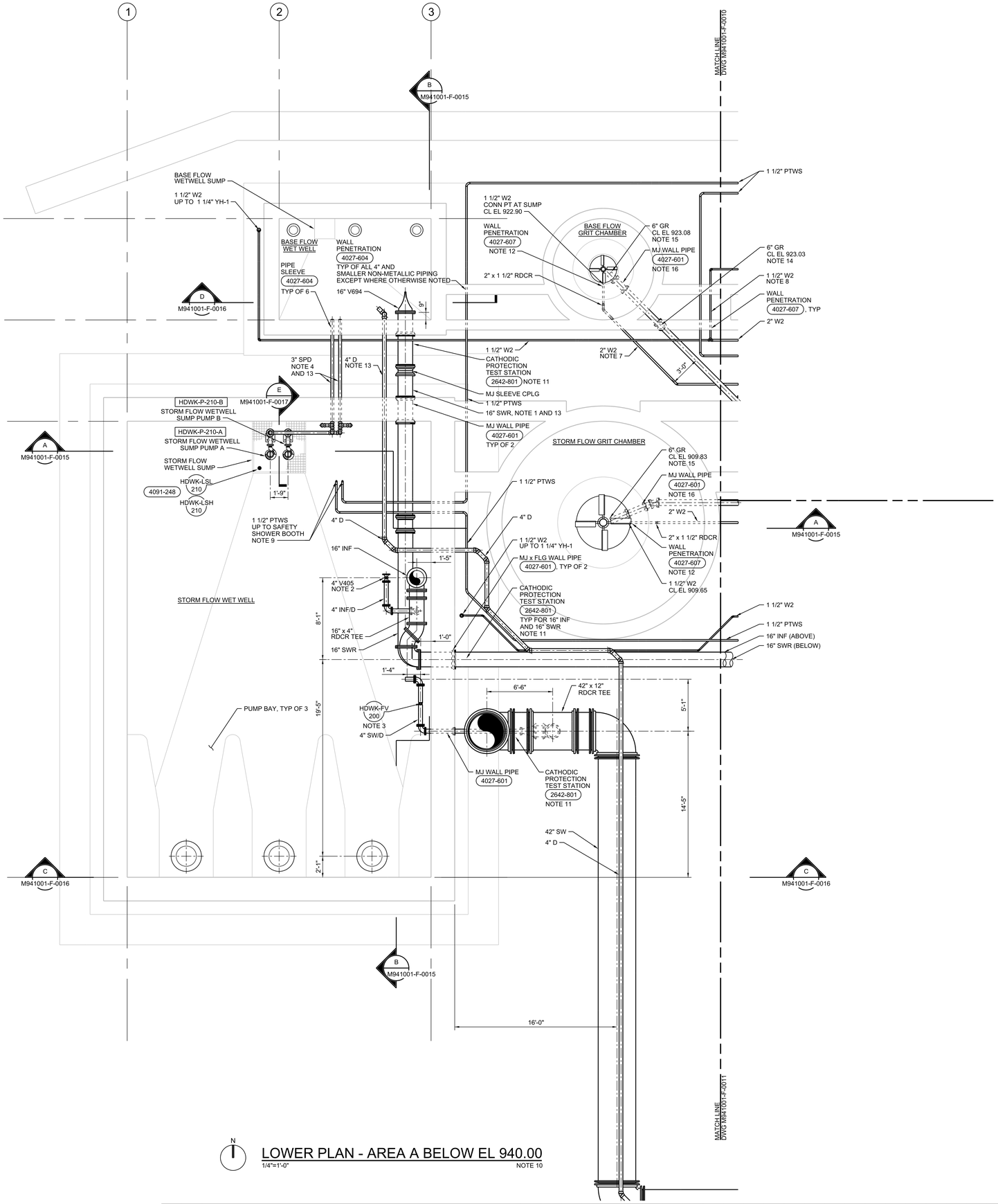

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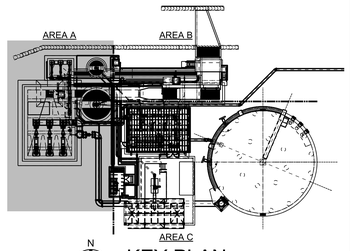
LOWER PLAN - AREA A BELOW EL 940.00

1/4"=1'-0" NOTE 10

GENERAL NOTES:

1. NOT USED
2. PROVIDE EXTERIOR STEM AND FLOOR BOX FOR VALVE.
3. PROVIDE EXTENSION STEM AND FLOOR STAND FOR ACTUATOR.
4. NOT USED
5. CONCRETE ENCASE GR AND W2 PIPING BETWEEN GRIT PUMP BUILDING AND GRIT BASINS FOR ENTIRE LENGTH PER (0330-016) . AT INTERFACE WITH STRUCTURES, DOWEL ENCASEMENT INTO STRUCTURE IN ACCORDANCE WITH DETAIL.
6. ALL W2 PIPING, PTW, AND PTR PIPING TO AND FROM SAFETY SHOWERS AND TO YARD HYDRANTS SHALL BE PLACED AT MINIMUM COVER OR LOWER AS NECESSARY TO AVOID CONFLICTS WITH OTHER PROCESS PIPING AND ELECTRICAL DUCT BANKS.
7. MATCH CENTERLINE ELEVATION OF 6" GR AFTER 6" GR REACHES CENTERLINE ELEVATION 913.74 TO GRIT BASIN CONNECTION.
8. INSULATE ALL W2 PIPING INSIDE OF CAVITY ABOVE CONCRETE RAMP ON THE UPSTREAM SIDE OF THE GRIT CHAMBERS.
9. 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) .
10. UPPER STRUCTURAL SLAB AND GRATING NOT SHOWN.
11. LOCATE CATHODIC PROTECTION POST MOUNTED TEST STATION WITHIN 2'-0" OF STRUCTURE.
12. LOCATE MODULAR MECHANICAL SEAL AT INSIDE FACE OF CHAMBER WALL. FILL ANNULAR SPACE OF SLEEVE AT EARTH SIDE WITH APPROPRIATE SEALANT.
13. DO NOT CONCRETE ENCASE PIPING BETWEEN TWO WET WELLS.
14. SLOPE 6" GR UNIFORMLY BETWEEN GRIT CHAMBER WALL AND NOTED ELEVATION, AT 1/8" PER FOOT.
15. CUT PIPE END FLUSH WITH 60" GROUT FILLET. GRIND END OF PIPE SMOOTH, AND COAT WITH PAINTING SYSTEM NO. 7 AS SPECIFIED.
16. PROVIDE 12" LONG, MJ x MJ WALL PIPE. EXTEND PLAIN END SPOOL FROM WALL PIPE TO FACE OF FILLET.



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KEY PLAN

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE
	0	ISSUED FOR CONSTRUCTION	LW	QW	SP		LE	06/2017		

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SQUAD CHECK	
WE	
AR	
CV	
ST	
HV	
EM	
FP	
PD	
EE	
IE	
M	
NP	

RPE: Kevin Robert Tolson, Registered Professional Engineer, Agriculture, No. 115574, 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.	

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 »

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

PROCESS MECHANICAL
HEADWORKS
LOWER PLAN AREA A

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	M	X	X	NC	FAC	AR	E	9410-01	1	U

SH.	OF	TYPE		PART	REV
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ISSUED FOR CONSTRUCTION

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