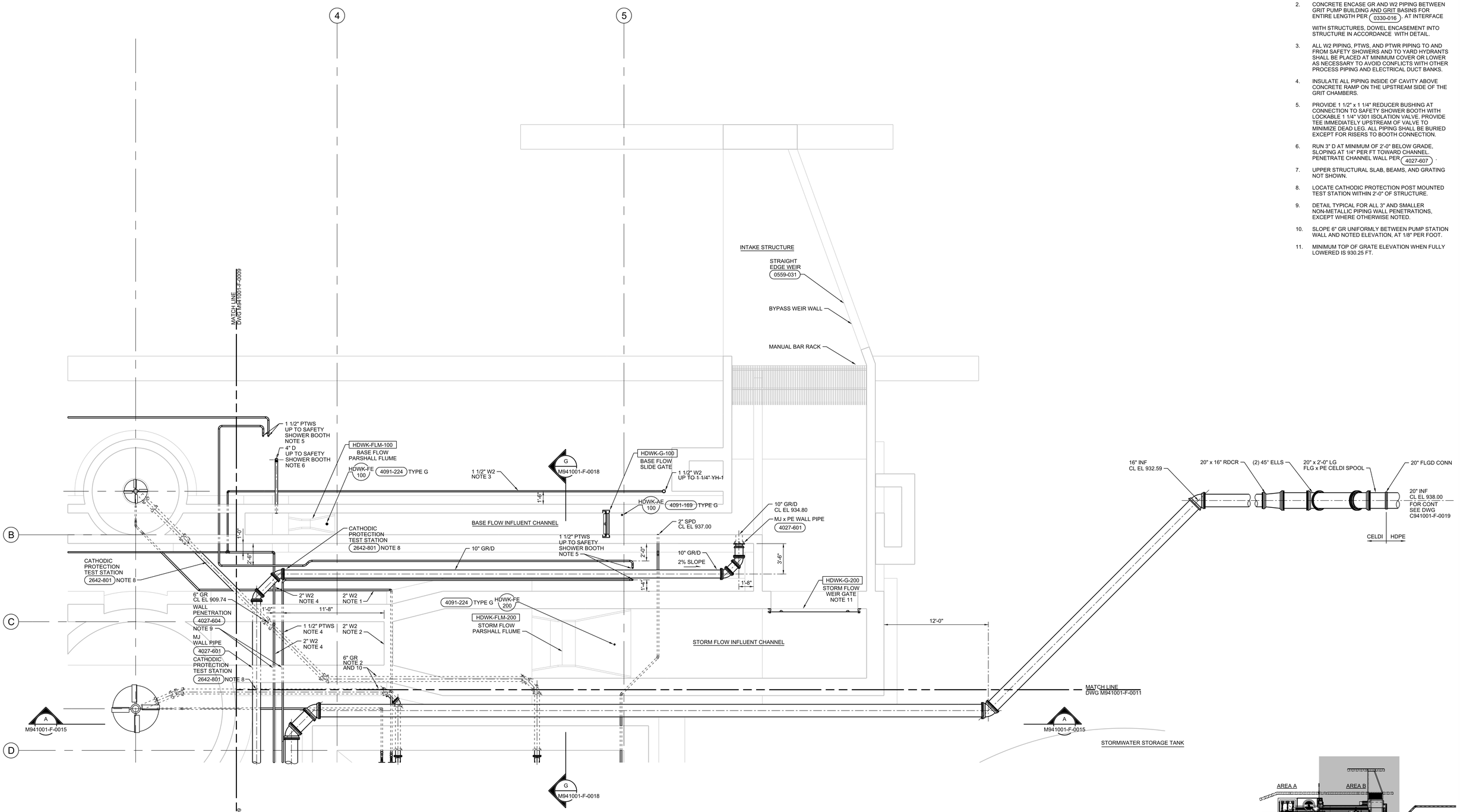
GENERAL NOTES:

1. RUN 1" W2 TO BASE FLOW GRIT CHAMBER, LEVEL TO WEST AND PARALLEL TO 6" GR IN PLAN UNTIL 6" GR REACHES CENTERLINE ELEVATION 913.74, THEN FOLLOW 6" GR GRADE TO GRIT CHAMBER.
2. 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.
3. ALL W2 PIPING, PTWS, AND PTWR 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.
4. INSULATE ALL PIPING INSIDE OF CAVITY ABOVE CONCRETE RAMP ON THE UPSTREAM SIDE OF THE GRIT CHAMBERS.
5. 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. ALL PIPING SHALL BE BURIED EXCEPT FOR RISERS TO BOOTH CONNECTION.
6. RUN 3" D AT MINIMUM OF 2'-0" BELOW GRADE, SLOPING AT 1/4" PER FT TOWARD CHANNEL. PENETRATE CHANNEL WALL PER (4027-607) .
7. UPPER STRUCTURAL SLAB, BEAMS, AND GRATING NOT SHOWN.
8. LOCATE CATHODIC PROTECTION POST MOUNTED TEST STATION WITHIN 2'-0" OF STRUCTURE.
9. DETAIL TYPICAL FOR ALL 3" AND SMALLER NON-METALLIC PIPING WALL PENETRATIONS, EXCEPT WHERE OTHERWISE NOTED.
10. SLOPE 6" GR UNIFORMLY BETWEEN PUMP STATION WALL AND NOTED ELEVATION, AT 1/8" PER FOOT.
11. MINIMUM TOP OF GRATE ELEVATION WHEN FULLY LOWERED IS 930.25 FT.



LOWER PLAN - AREA B BELOW EL 940.00
1/4"=1'-0" NOTE 7

KEY PLAN

THIS DRAWING IS LOANED FOR SOLE USE OF THE INTENDED RECIPIENT AND ONLY FOR THE LIMITED PURPOSES FOR WHICH IT WAS PROVIDED. USE BY OTHER ENTITIES OR FOR OTHER PURPOSES IS PROHIBITED AND AT THE USER'S OWN RISK. DRAWINGS ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING RECIPIENT.

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

REVISION OR ISSUE PURPOSE — REVISION APPROVALS (PE, DATE) — SQUAD CHECK (WE, AR, CV, ST, HV, EM, FP, PD, EE, IE, M, NP)

RPE: STEVEN ROBERT TOLSON, 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.	

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 B

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
1	1	DD	M941001-F-0010	000	0

662886

ISSUED FOR CONSTRUCTION

6/26/2017 2:43:26 PM