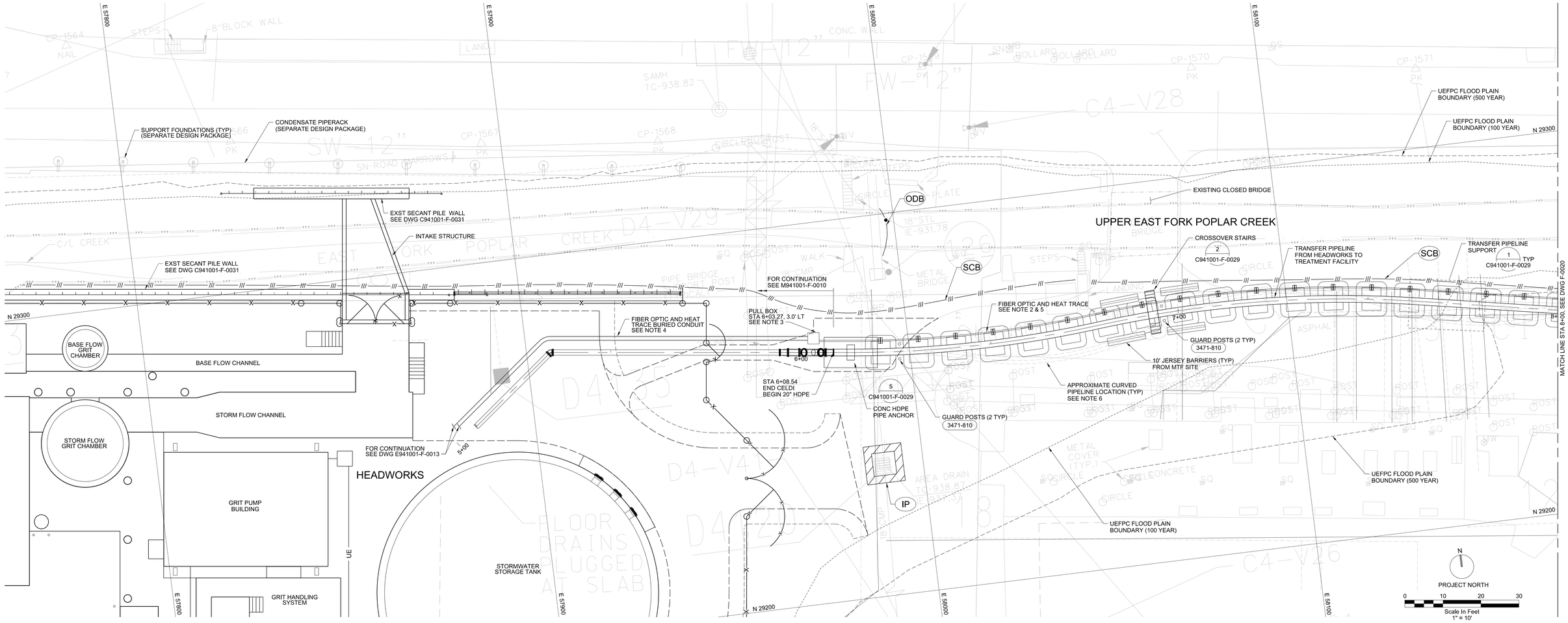


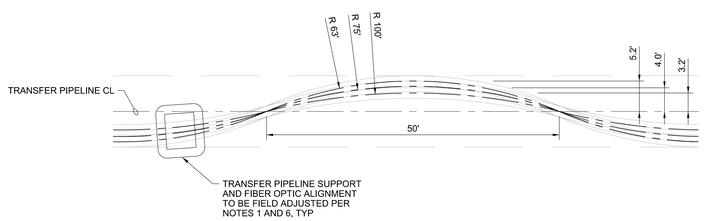
NOTES:

1. FOR TRANSFER PIPELINE HORIZONTAL ALIGN. SEE CONTROL TABLE ON C941001-F-0030. EXACT PLACEMENT OF PIPELINE AND SUPPORTS MAY BE ADJUSTED TO ACCOMMODATE OBSTRUCTIONS AND PIPE SNAKING (NOTE 6 & DETAIL 1). COORDINATE ADJUSTMENTS WITH OWNER.
2. INSTALL 4" RIGID METAL CONDUIT, WITH (3) 1-1/4" INNERDUCT. INSTALL EXPANSION DEFLECTION COUPLINGS EVERY 50 FEET ALONG FIBER OPTIC CONDUIT PATH. INSTALL 5" PIPE CLAMPS TO SUPPORT CONDUIT.
3. INSTALL A 36"x36"x12" NEMA 4X PULL BOX. CONNECTED TO UNISTRUT ON CONCRETE PAD. CONTRACTOR TO PROVIDE FOUR LOOPS OF SPARE FIBER OPTIC CABLE IN EACH PULL BOX.
4. INSTALL 4" PVC AND 2" PVC CONDUIT, WITH (3) 1 1/4" INNERDUCT, UNDERGROUND TO CONTROL DUCT BANK, SEE DETAIL 2605-423C AND DRAWING E941001-F-0013.
5. INSTALL 2" RIGID METAL CONDUIT. INSTALL EXPANSION-DEFLECTION COUPLING EVERY 50 FEET ALONG THE CONDUIT PATH. INSTALL 3" PIPE CLAMPS TO SUPPORT CONDUIT. INSTALL PULL BOXES AS REQUIRED.
6. INSTALL APPROXIMATELY 3206 LF OF HDPE PIPELINE WITHIN THE 3142.77 LF OF STATIONING BY SNAKING THE PIPE ALONG THE CENTERLINE OF THE ALIGNMENT. LENGTH VARIES DEPENDING ON TEMPERATURE. REFER TO THE INSTALLATION TABLE BELOW FOR MINIMUM SNAKING OFFSET DISTANCES OF THE PIPE CENTERLINE. CAREFUL MONITORING OF THE PIPE TEMPERATURES IS REQUIRED.

   - INSTALL APPROX. 31 BENDS BETWEEN THE WEST PIPELINE ANCHOR POINT AND "C" ROAD CROSSING.

   - INSTALL APPROX. 22 BENDS BETWEEN "C" ROAD CROSSING AND 3RD STREET CROSSING.

   - INSTALL APPROX. 6 BENDS BETWEEN 3RD STREET CROSSING AND THE EAST PIPELINE ANCHOR POINT.

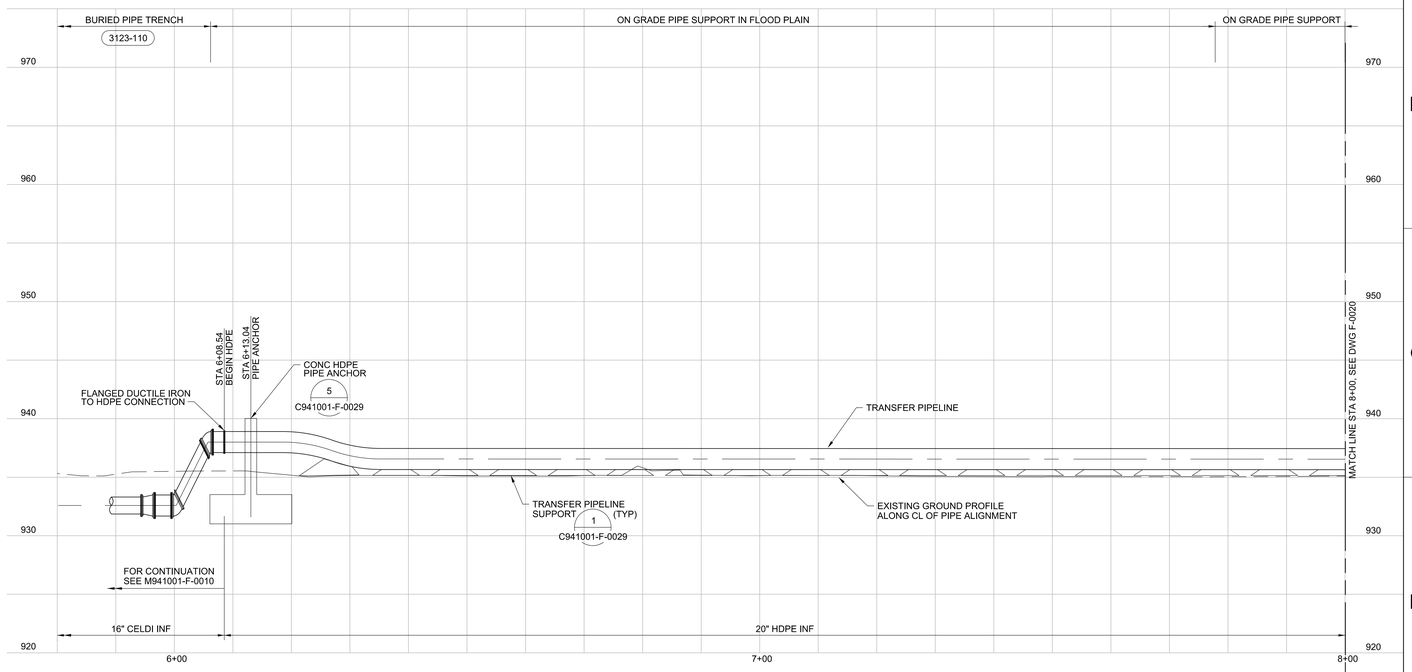


1 PIPELINE SNAKING DETAIL

NTS

PIPELINE CURVING OFFSET DISTANCES

PIPE TEMP	LATERAL OFFSET (MIN)
-17°	3.2 FT
19°	3.7 FT
56°	4.3 FT
70°	4.5 FT
92°	4.5 FT
128°	5.2 FT



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

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK: WE AR CV ST HV EM FP PD EE IE M NP

DRAWING APPROVALS

DRW	R TOWNSEND	06/16/17
CHKR	D PETERSON	06/16/17
DE	R TOWNSEND	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

RPE — ROBERT SECTION WOOD, REGISTERED AGRICULTURAL ENGINEER, AGRICULTURE, No. 19803, STATE OF TENNESSEE — 06/16/17

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

CIVIL
TRANSFER PIPELINE
PNP STA. 5+80 TO 8+00

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

SH.	OF	TYPE		PART	REV
1	1	DD	C941001-F-0019	000	0

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ISSUED FOR CONSTRUCTION

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