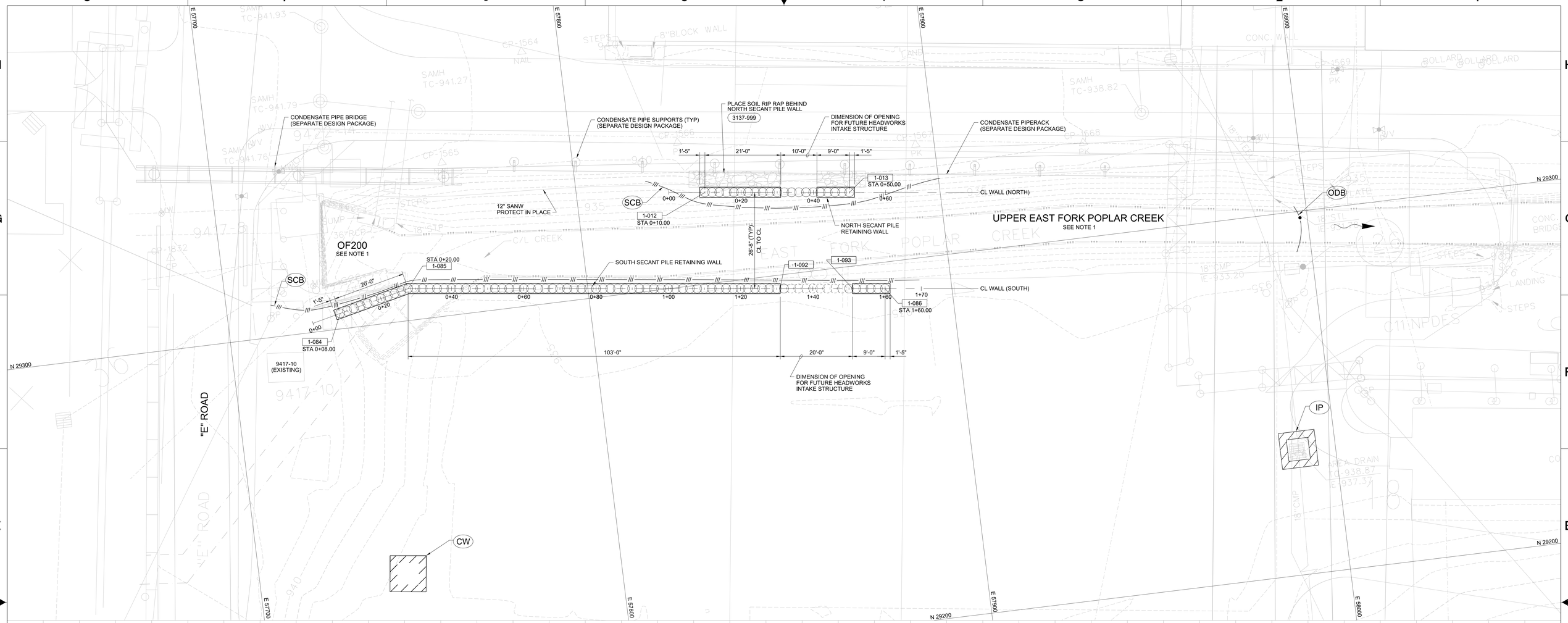
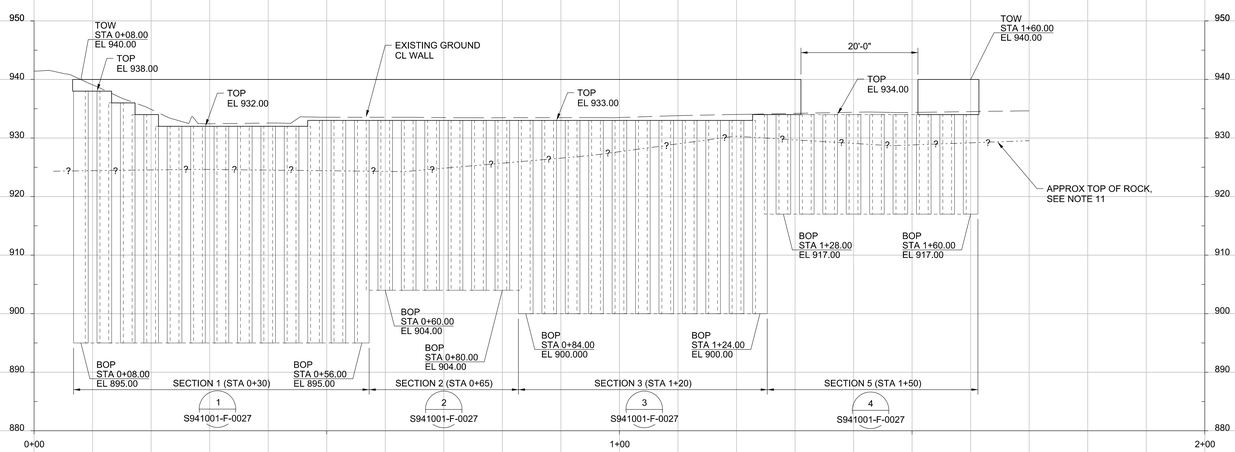
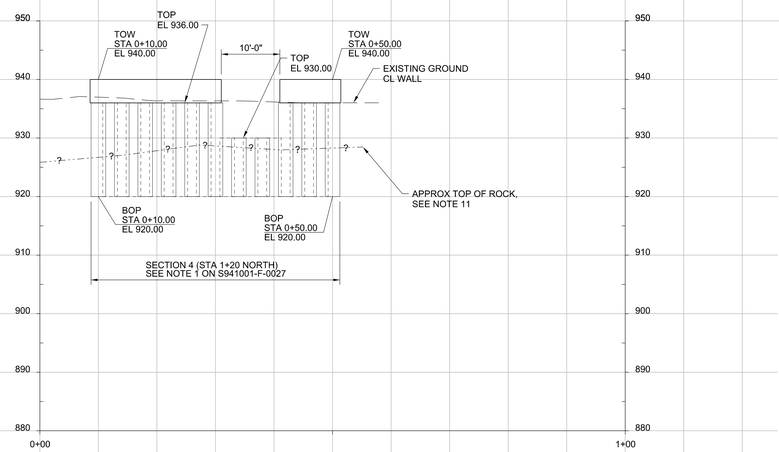




SOUTH SECANT PILE RETAINING WALL PROFILE

1"=10'-0"



NORTH SECANT PILE RETAINING WALL PROFILE

1"=10'-0"

N

PROJECT NORTH

0 10 20 30

Scale In Feet
1" = 10'

SECANT PILE WALL NOTES

1. COORDINATE ALL WORK ALONG CREEK AND AROUND OUTFALL 200 WITH Y-12.
2. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
3. FOR CONTROL POINT TABLE, SEE DWG 941001-F-0030.
4. FOR GENERAL CIVIL NOTES, LEGEND, AND EROSION CONTROL INFORMATION SEE DRAWING C941001-F-0008.
5. ALL RIP RAP PLACED IN CREEK SHALL BE NON-GROUTED.
6. DRILL AT LEAST ONE 2 INCH DIAMETER MINIMUM PROBE HOLE AT EVERY PRIMARY SECANT PILE LOCATION SHOWN FOR THE SECANT PILE WALL PRIOR TO PILE INSTALLATION. THE PROBES SHALL BE EXTENDED TO A MINIMUM OF 10 FEET DEPTH BELOW THE BOTTOM OF THE PILES.
7. CONTRACTOR SHALL NOT PROCEED WITH ORDERING OR FABRICATION OF REINFORCING CAGES FOR THE SECANT PILES UNTIL ALL PROBES HAVE BEEN DRILLED, AND THE RESULTING DATA REVIEWED BY THE ENGINEER. THE FINAL TIP ELEVATIONS WILL BE DETERMINED BY THE ENGINEER BASED ON THE RESULT OF THE PROBING AND CONDITIONS ENCOUNTERED DURING DRILLING.
8. INSTALLATION OF SECANT PILE WALL SHALL BE IN ACCORDANCE WITH SPECIFICATION 31 63 30.
9. CONTRACTOR TO PROVIDE UP TO 10 MONITORING POINTS ALONG THE SOUTH SECANT PILE WALL FOR MONITORING DURING EXCAVATION. LOCATIONS TO BE APPROVED BY ENGINEER.
10. PLACE CONCRETE WALL ON SECANT PILE WALL AS SOON AS IS PRACTICAL TO PROTECT EXPOSED REINFORCEMENT AND STABILIZE THE TOP OF THE WALL.
11. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN TEST LOCATIONS. INFORMATION ON ACTUAL SUBSURFACECONDITIONS EXISTS ONLY AT SPECIFIC LOCATIONS AND SATES INDICATED. SUBSURFACE CONDITIONS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THE INDICATED LOCATIONS.

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	RT	DP	RT		LE	06/2017

REVISION OR ISSUE PURPOSE

PE	DATE

REVISION APPROVALS

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

SQUAD CHECK

RPE

ROBERT LEE TOWNSEND
REGISTERED ENGINEER
AGRICULTURE
NO. 19915
STATE OF TENNESSEE
6/16/17

REV.	DATE

DRAWING APPROVALS

		DATE
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.	

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
HEADWORKS
SECANT PILE WALL PLAN AND DETAILS

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-0031	000	0

662886

ISSUED FOR CONSTRUCTION

C941001-F-0031.dgn