GENERAL SITE NOTES:

1. SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS ARE BASE MAPS PROVIDED BY Y-12. ADDITIONAL MAPPING HAS BEEN ADDED FROM AS-BUILT DATA AND SUPPLEMENTAL SURVEY FROM Y-12. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION. ENGINEERING SHALL BE NOTIFIED OF SUCH DISCREPANCIES OF EXISTING CONDITIONS FOR DESIGN CHANGE APPROVAL.
2. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. HORIZONTAL DATUM: Y-12 PLANT.
4. VERTICAL DATUM: Y-12 PLANT.
5. MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. UNLESS NOTED OTHERWISE PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
6. FOR DIMENSIONS OF COLUMN LINES AND STRUCTURES, SEE STRUCTURAL DRAWINGS. COLUMN LINE COORDINATES ARE SHOWN ON CIVIL SITE LAYOUT AND PAVING PLAN DRAWINGS.
7. FOR LOCATION OF CONTROL POINT ON STRUCTURES, SEE STRUCTURAL DRAWINGS.
8. COORDINATES AND DIMENSIONS SHOWN FOR ROADWAY IMPROVEMENTS ARE TO FACE OF CURB OR EDGE OF PAVEMENT.
9. STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS.
10. PROVIDE TEMPORARY FENCING AS NECESSARY TO MAINTAIN SECURITY AT ALL TIMES.
11. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
12. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
13. UNLESS SHOWN ON THE PLANS, ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE SHALL BE COVERED WITH GRASS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION IN ACCORDANCE WITH THE PROJECT APPROVED SWPPP.
15. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE. CONTRACTOR TO SUBMIT EROSION CONTROL PLAN IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
16. WORK CIVIL DRAWINGS WITH APPLICABLE SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
17. STATE OF TENNESSEE DEPARTMENT OF TRANSPORTRATION (TDOT) REFERENCED SPECIFICATIONS CAN BE FOUND IN THE TDOT 2015 STANDARD SPECIFICATIONS AT THE FOLLOWING LOCATION:
    HTTP://WWW.TN.GOV/TDOT/ARTICLE/TRANSPORTATION-CONSTRUCTION-2015-STANDARD-SPECIFICATIONS
18. STATE OF TENNESSEE DEPARTMENT OF TRANSPORTRATION (TDOT) REFERENCED DETAILS CAN BE FOUND IN THE TDOT STANDARD ROADWAY DRAWINGS AT THE FOLLOWING LOCATION:
    HTTP://WWW.TN.GOV/TDOT/TOPIC/CHIEF-ENGINEER-DESIGN-ROADWAY-DESIGN-STANDARD-DRAWINGS

GENERAL YARD PIPING AND UTILITIES NOTES:

1. EXISTING UNDERGROUND UTILITIES OBTAINED FROM AVAILABLE INFORMATION AND FROM FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO EXCAVATION. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
2. FOR PIPING FLOW STREAM IDENTIFICATION, SEE DRAWING M941001-F-0002.
3. EXISTING PIPING AND EQUIPMENT ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW PIPING AND EQUIPMENT ARE SHOWN HEAVY-LINED.
4. UNLESS OTHERWISE SHOWN ALL PIPING AND UTILITIES SHALL HAVE A MINIMUM OF 24" COVER.
5. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
6. ALL NEW WATER PIPES MUST BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED.
7. DISCHARGE OF CLEANING, FLUSHING OR DISINFECTION (HYPER CHLORINATED) WATER MUST BE IN COMPLIANCE WITH SITE NPDES PERMIT REQUIREMENTS. COORDINATE WITH CNS ENVIRONMENT COMPLIANCE PERSONNEL.
8. FOR TYPICAL TRENCHES, SEE 3123-110.
9. FOR SURFACE RESTORATION OF TRENCHES, SEE 3123-115.
10. MINIMUM ALLOWABLE CLEARANCE BETWEEN PIPES AT CROSSINGS SHALL BE 3". CONTROLLED DENSITY FILL SUPPORT IS REQUIRED AS SHOWN ON 3123-120.
11. COORDINATE ALL NEW SANITARY AND/OR STORM DRAIN CONNECTIONS OR MODIFICATIONS WITH Y-12 CNS ENVIRONMENTAL COMPLIANCE PERSONNEL.

CIVIL LEGEND

EXISTING	THIS CONTRACT	
157.7	158.5	SPOT ELEVATION
155	155	CONTOUR LINE
	3:1	EMBANKMENT AND SLOPE
		DRAINAGEWAY OR DITCH
	CB OR CB	CATCH BASIN OR INLET
		TRENCH DRAIN
	OR	SIGN
	D OR S	MANHOLE
E	E	ELECTRICAL MANHOLE
H	H	ELECTRIC HANDHOLE
		POST OR GUARD POST
		GUY ANCHOR
		FIRE HYDRANT
		UTILITY POLE
		LIGHT POLE
	BM	BENCH MARK
	CP-#	SURVEY CONTROL POINT OR POINT OF INTERSECTION
		BRUSH/TREE LINE
		TREE
		PROPERTY LINE
		CENTER LINE, BUILDING, ROAD, ETC.
		STAGING OR WORK AREA LIMITS
	N 1000.00 E 1000.00	STRUCTURE, BUILDING OR FACILITY LOCATION POINT - COORDINATES
	B-1	BORING LOCATION AND NUMBER
	TP-2	TEST PIT LOCATION AND NUMBER
	P-3	PIEZOMETER LOCATION AND NUMBER
	X-XXX	VERTICAL/HORIZONTAL DESIGN CONTROL POINT
OR OR		DEMOLITION
		ABANDONED
OR	OR	STRUCTURE, BUILDING OR FACILITY
		ASPHALT CONCRETE PAVEMENT
		GRAVEL SURFACING
		CONCRETE PAVEMENT
		SIDEWALK
		CURB
		CURB AND GUTTER
		SINGLE SWING GATE
		DOUBLE SWING GATE
		SLIDING GATE
		GUARD RAIL
		CHAIN LINK FENCE
		ARCHITECTURAL FENCE
		WIRE FENCE
		CULVERT

EROSION CONTROL LEGEND

SBB	SAND BAG BERM
SCB	SEDIMENT CONTROL BARRIER (SILTFENCE, WATTLES, EROSION EELS)
ODB	OIL AND DEBRIS BOOM
IP	INLET PROTECTION
CW	CONCRETE WASHOUT
TS	TEMPORARY SEEDING

YARD PIPING LEGEND

EXISTING	THIS CONTRACT	
		NOMINAL PIPE DIAMETER
		PIPE USE IDENTIFICATION
8" PE	8" PE	PIPING < 16" DIAMETER
		PIPING ≧ 16" DIAMETER
		EXISTING PIPE TO BE ABANDONED
		EXISTING PIPE TO BE REMOVED
		NON-FREEZE HOSE VALVE (V-X) X = NO. IN SPECIFICATIONS
		NON-FREEZE HOSE VALVE WITH HOSE RACK (V-X) X = NO. IN SPECIFICATIONS
		INDICATOR POST VALVE
		GATE VALVE AND VALVE BOX
		BUTTERFLY VALVE AND VALVE BOX
		PLUG VALVE AND VALVE BOX
		FLEXIBLE COUPLING
		90° ELBOW UP
		90° ELBOW DOWN
		BEND < 90° UP
		BEND < 90° DOWN
		CONCENTRIC REDUCER
		CAP OR PLUG
		CLEANOUT
		FIRE HYDRANT

GENERAL NOTE:

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

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 »

DRW	R MARKEN	06/13/17
CHKR	D PETERSON	06/13/17
DE	R MARKEN	06/13/17
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RPE: ROBERT LEE TOWNSEND, REGISTERED AGRICULTURAL ENGINEER, STATE OF TENNESSEE

PROJECT NAME: OF200 MERCURY TREATMENT FACILITY

CIVIL
GENERAL NOTES AND LEGEND

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

SH.	OF	TYPE		PART	REV
1	1	DD	C941001-F-0008	000	0

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE	WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP
	0	ISSUED FOR CONSTRUCTION	RM	LE	LE		LE	06/2017														

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

REV. DATE — DRAWING APPROVALS — DATE

ISSUED FOR CONSTRUCTION

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