PLUMBING SYMBOLS

- EXISTING PIPE (SCREENED)
- NEW PIPE
- EXISTING PIPE TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- ANCHOR
- CAP
- CLEANOUT PLUG
- ELBOW, 90 DEGREE
- ELBOW UP
- ELBOW DOWN
- CROSS
- TEE
- TEE UP
- TEE DOWN
- ELBOW, 45 DEGREE
- LATERAL
- LATERAL UP
- LATERAL DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- UNION
- GROOVED END JOINT
- FLEXIBLE PIPE CONNECTION
- STEEL BELLOWS EXPANSION JOINT
- STRAINER
- SIGHT GLASS
- PS — PRESSURE SWITCH
- PRESSURE GAUGE WITH COCK
- THERMOMETER
- HOSE RACK (TYPE AS INDICATED)
- EYEWASH
- S — SAFETY SHOWER
- S — SAFETY SHOWER\EYEWASH COMBINATION UNIT
- HOSE VALVE

Z" YCO-X
- Z = OUTLET SIZE IN INCHES
- Y = F - FLOOR CLEANOUT; W - WALL CLEANOUT
- X = NO. IN SPECIFICATION

Z" HD-XY — HUB DRAIN
- Z = OUTLET SIZE IN INCHES
- X = NO. IN SPECIFICATION
- Y = T WITH TRAP
- Y = P WITH PRIMED TRAP

Z" FD-XY — FLOOR DRAIN
- Z = OUTLET SIZE IN INCHES
- X = NO. IN SPECIFICATION
- Y = T WITH TRAP
- Y = P WITH PRIMED TRAP

Z" RD-X — ROOF DRAIN
- Z = OUTLET SIZE IN INCHES
- X = NO. IN SPECIFICATION

Z" OD-X — OVERFLOW ROOF DRAIN
- Z = OUTLET SIZE IN INCHES
- X = NO. IN SPECIFICATION

PLUMBING EQUIPMENT IDENTIFICATION

IDENTIFICATION	EQUIPMENT NAME
AAV	AIR ADMITTANCE VALVE
AD	AREA DRAIN
AC	AIR COMPRESSOR
ANT	ACID NEUTRALIZATION TANK
AR	AIR RECEIVER
BFP	BACKFLOW PREVENTER
BP	BOOSTER PUMP
CP	CIRCULATION PUMP
DB	DOWNSPOUT BOOT
DCBP	DOUBLE CHECK BACKFLOW PREVENTER
DN	DOWNSPOUT NOZZLE
DT	DILUTION TANK
DWT	DOMESTIC WATER STORAGE TANK
ET	EXPANSION TANK
ETP	ELECTRONIC TRAP PRIMER
IM	ICE MAKER
HX	HEAT EXCHANGER
OD	OVERFLOW ROOF DRAIN
ON	OVERFLOW NOZZLE
OS	OIL\WATER SEPERATOR
P	PUMP
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
ST	STORAGE TANK
SP	SUMP PUMP
TP	TRAP PRIMER ASSEMBLY
TWT	TEMPERED WATER STORAGE TANK
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
VP	VACUUM PUMP

EXAMPLE CALLOUT: 70 - WH - 1
- FACILITY NUMBER OR UNIT PROCESS (IF USED ON PROJECT)
- FIXTURE LEGEND
- NO. IN SPECIFICATIONS

VALVE SYMBOLS

SINGLE LINE	DOUBLE LINE
GATE	
BUTTERFLY	OR
GLOBE	OR
BALL	OR
PLUG OR COCK	OR
SWING CHECK	OR
BALL CHECK	OR

- HOSE VALVE (HV- X) OR (V-X) X = NO. IN SPECS
- PRESSURE RELIEF
- AIR AND/OR VACUUM RELEASE
- REGULATED SIDE
- PRESSURE CONTROL (INTERNAL PILOT)
- BALANCE VALVE (RHW)
- BACKFLOW PREVENTER

PIPING DESIGNATION

EXAMPLE:

DOUBLE LINE — SINGLE LINE

12" RD (2020 SF)
- BASIS FOR DESIGN CALCULATION UNITS
- FLOW STREAM IDENTIFICATION
- PIPE DIAMETER

PIPE SERVICE IDENTIFICATION	BASIS FOR DESIGN CALCULATION UNITS
RD	DRAINAGE AREA IN SQUARE FOOTAGE - SF
NG	VOLUME OF GAS CUBIC FEET PER HOUR - CFH *
D	DRAINAGE FIXTURE UNIT - DFU
V	DRAINAGE FIXTURE UNIT - DFU
W1	FLOW IN GALLONS PER MINUTE GPM
HW	FLOW IN GALLONS PER MINUTE GPM

NOTE: * GAS FLOW DEMAND BASED ON PROJECT SITE ELEVATION

FLOW STREAM IDENTIFICATION

1. REFER TO PIPE SCHEDULE ON SHEET M941001-F-0002 FOR FLOW STEAM IDENTIFICATION AND ADDITIONAL REQUIREMENTS.

PLUMBING FIXTURE IDENTIFICATION

LEGEND	FIXTURE
DF	DRINKING FOUNTAIN
EE	EMERGENCY EYE WASH
ES	EMERGENCY SAFETY SHOWER
EWC	ELECTRIC WATER COOLER
LAV	LAVATORY
LSK	LABORATORY SINK
LP	LABORATORY FAUCET OR COCK
MS	MOP SINK
SH	SHOWER
S	SINK
SSH	SAFETY SHOWER\EYEWASH COMBINATION
SSK	SERVICE SINK
UR	URINAL
WC	WATER CLOSET
WF	WASH FOUNTAIN
HV	HOSE VALVE OR HYDRANT
WS	AUTOMATIC WASHER
YH	YARD HYDRANT

EXAMPLE CALLOUT: SSH - 1
- FIXTURE LEGEND
- NO. IN SPECIFICATIONS

GENERAL DRAWING NOTES

1. THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS ON THIS SHEET MAY NOT APPEAR ON THE PLANS.
2. FOR ADDITIONAL ABBREVIATIONS OF OTHER DIVISIONS, SEE OTHER LEGENDS SUCH AS GENERAL, HVAC, MECHANICAL, FIRE PROTECTION, STRUCTURAL AND ARCHITECTURAL LEGENDS.

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 (REVISION OR ISSUE PURPOSE)	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE	WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP
	0	ISSUED FOR CONSTRUCTION	JP	JM	TP		LE	06/2017														

REVISION APPROVALS — SQUAD CHECK

RPE: THEODORE J. PRICE, REGISTERED ENGINEER, COMMERCE, NO. 107130, STATE OF TENNESSEE — 03 JUL 2017

DRAWING APPROVALS		DATE
DRW	J PIGMAN	06/16/17
CHKR	J McMURREN	06/16/17
DE	T PRICE	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

REV. DATE

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

PLUMBING GENERAL LEGEND

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

SH.	OF	TYPE		PART	REV
1	1	DD	P941001-F-0001	000	0

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ISSUED FOR CONSTRUCTION

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