PIPE SCHEDULE

FACILITY	LINE DESCRIPTION	SERVICE	FLOW STREAM IDENTIFICATION	SIZE, INCHES	EXPOSURE	PIPING MATERIAL	PIPE SPEC SECTION	INSULATION (40_42_13)	HEAT TRACE (40_05_33)	PAINTING AND COATING (09_90_00)	DESIGN PRESSURE (PSIG)	TEST TYPE (40_80_01)	TEST PRESSURE (PSIG)	PIPE LABELING FIELD COLOR (10 14 00)	PIPE LABELING TEXT COLOR (10 14 00)	LABEL TEXT (10 14 00)	NOTES
MTF	FILTER PRESS INSTRUMENT AIR	AIR, INSTRUMENT	AI	ALL	ALL	CU	40_27_00.13	NO	NO	NONE	150	P	165	BLUE	WHITE	INSTRUMENT AIR (AI)	
MTF	GRAVITY FILTERS AIR SCOUR	BACKWASH AIR	BWA	ALL	ALL	316 SS, SCH 10S	40_27_00.08	YES	NO	SEE NOTES	11	P	12	BLUE	WHITE	BACKWASH AIR (BWA)	COAT ALL PIPING WHERE INSULATED WITH SYSTEM NO. 15
MTF	GRAVITY FILTERS BACKWASH SUPPLY	BACKWASH SUPPLY	BWS	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	22	H	33	GREEN	WHITE	BACKWASH SUPPLY (BWS)	
MTF	GRAVITY FILTERS BACKWASH WASTE	BACKWASH WASTE	BWW	ALL	EXE	316 SS, SCH 10S	40_27_00.08	YES	YES	NONE	35	H	53	GREEN	WHITE	BACKWASH WASTE (BWW)	
MTF	GRAVITY FILTERS BACKWASH WASTE	BACKWASH WASTE	BWW	ALL	EXI	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	35	H	53	GREEN	WHITE	BACKWASH WASTE (BWW)	
MTF	CONDENSATE DRAIN	CONDENSATE DRAIN	CO	ALL	ALL	CU	40_27_00.13	NO	NO	NONE	12	G	12	YELLOW	BLACK	CONDENSATE DRAIN (CO)	
ALL	COOLING COIL CONDENSATE	COOLING COIL CONDENSATE	COND	≤1	B, EN, EXE, EXI	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	0	H	N/A	YELLOW	BLACK	CONDENSATE (COND)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE, EXI, AND B EXPOSURES AS SPECIFIED
ALL	COOLING COIL CONDENSATE	COOLING COIL CONDENSATE	COND	>1	EXI	PVC, SCH 80	40_27_00.10	YES (SEE NOTES)	NO	NONE	0	H	N/A	YELLOW	BLACK	CONDENSATE (COND)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
MTF	REACTION TANK EFFLUENT	COAGULATED WATER	CW	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	3	G	3	GREEN	WHITE	COAGULATED WATER (CW)	
MTF	SLUDGE SAMPLE DRAIN	DRAIN (PROCESS)	D	ALL	B, EXE	PVC, SCH 80	40_27_00.10	YES	YES	NONE	15	G	15	GREEN	WHITE	PROCESS DRAIN (D)	
MTF	TANK DRAIN	DRAIN (PROCESS)	D	ALL	EXE	316 SS, SCH 10S	40_27_00.08	YES	YES	NONE	15	G	15	GREEN	WHITE	PROCESS DRAIN (D)	
HDWKS	SULFURIC ACID CONTAINMENT DRAIN	DRAIN (PROCESS)	D	ALL	B, EXE	HDPE	33_05_01.10	NO	NO	NONE	10	G	10	GREEN	WHITE	PROCESS DRAIN (D)	
MTF	PROCESS DRAIN	DRAIN (PROCESS)	D	ALL	EXI, ENC	PVC, SCH 80	40_27_00.10	NO	NO	NONE	7	G	7	GREEN	WHITE	PROCESS DRAIN (D)	
MTF	SLUDGE DECANT	DECANTED WATER	DCT	ALL	ALL	PVC, SCH 80	40_27_00.10	YES	YES	NONE	15	G	15	GREEN	WHITE	DECANTED WATER (DCT)	
MTF	DECHLORIN/ATION TANK EFFLUENT	DECHLORINATED WATER	DCW	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	3	G	3	GREEN	WHITE	DECHLORINATED WATER (DCW)	
MTF	FILTER AID POLYMER	FILTER AID POLYMER	FAP	ALL	ALL	CPVC, SCH 80	40_27_00.11	NO	NO	NONE	100	H	150	YELLOW	BLACK	\FILTER AID POLYMER (FAP)	
MTF	FILTER AID POLYMER SOLUTION	FILTER AID POLYMER SOLUTION	FAPS	ALL	ALL	CPVC, SCH 80	40_27_00.11	YES	YES	NONE	100	H	150	YELLOW	BLACK	FILTER AID POLYMER SOLUTION (FAPS)	
MTF	FERRIC CHLORIDE	FERRIC CHLORIDE	FCL	ALL	ALL	CPVC, SCH 80	40_27_00.11	YES	YES	NONE	100	H	150	YELLOW	BLACK	FERRIC CHLORIDE (FCL)	
MTF	GRAVITY FILTER EFFLUENT	FILTER EFFLUENT	FE	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	22	G	22	GREEN	WHITE	FILTER EFFULENT (FE)	
MTF	FILTER EFFLUENT VENT	VENT	FE/V	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	0	N/A	N/A	GREEN	WHITE	VENT (V)	
MTF	GRAVITY FILTER INFLUENT PIPING	FILTER INFLUENT	FI	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	5	G	5	GREEN	WHITE	FILTER INFLUENT (FI)	
MTF	FLOCCULANT AID POLYMER	FLOCCULANT AID POLYMER	FLP	ALL	ALL	CPVC, SCH 80	40_27_00.11	NO	NO	NONE	100	H	150	YELLOW	BLACK	FLOCCULANT AID POLYMER (FLP)	
MTF	FLOCCULANT AID POLYMER SOLUTION	FLOCCULANT AID POLYMER SOLUTION	FLPS	ALL	ALL	CPVC, SCH 80	40_27_00.11	YES	YES	NONE	100	H	150	YELLOW	BLACK	FLOCCULANT AID POLYMER SOLUTION (FLPS)	
MTF	FILTER PRESS FILTRATE	FILTER PRESS FILTRATE	FPF	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	7	H	7	GREEN	WHITE	FILTER PRESS FILTRATE (FPF)	
MTF	DRY FIRE SPRINKLER	FIRE SPRINKLER WATER	FS	ALL	EXI	GALV STL	21_13_18	NO	NO	0	175	H	260	RED	WHITE	FIRE SPRINKLER WATER (FS)	
MTF	FIRE SPRINKLER	FIRE SPRINKLER WATER	FS	ALL	EXI	CS	21_13_18	NO	NO	0	175	H	260	RED	WHITE	FIRE SPRINKLER WATER (FS)	
MTF	GRAVITY FILTER TO WASTE	FILTER TO WASTE	FTW	ALL	ALL	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	22	G	22	GREEN	WHITE	FILTER TO WASTE (FTW)	
MTF	FIRE WATER	FIRE WATER	FW	ALL	ALL	CLDI	40_27_00.01	NO	NO	SEE NOTES	175	H	260	RED	WHITE	FIRE WATER (FW)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5
HDWKS	GRIT SLURRY	GRIT SLURRY	GR	ALL	ALL	GLDI	40_27_00.01	YES	YES	SEE NOTES	25	H	38	GREEN	WHITE	GRIT SLURRY (GR)	COATINGS: BURIED, PER PIPING SPECS; ENCASED, SYSTEM NO. 7; EXPOSED EXTERIOR, SYSTEM NO. 5; EXPOSED INTERIOR, SYSTEM NO. 5; INSULATION ON EXE AND B EXPOSURES AS SPECIFIED.
HDWKS	GRIT SLURRY DRAIN	GRIT SLURRY/DRAIN	GR/D	>2"	ALL	GLDI	40_27_00.01	YES	YES	SEE NOTES	10	H	10	GREEN	WHITE	GRIT SLURRY/DRAIN (GR/D)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5
HDWKS	GRIT SLURRY DRAIN	GRIT SLURRY/DRAIN	GR/D	<2"	ALL	PVC, SCH 80	40_27_00.10	YES	YES	YES	10	H	10	GREEN	WHITE	GRIT SLURRY/DRAIN (GR/D)	COATINGS: SYSTEM NO. 25
HDWKS	BASE FLOW PUMP DISCHARGE	PLANT INFLUENT	INF	ALL	B, EXE	CELDI	40_27_00.01	YES	YES	SEE NOTES	35	H	53	GREEN	WHITE	PLANT INFLUENT (INF)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5 (HDWKS ONLY)
HDWKS	TRANSFER PIPELINE	PLANT INFLUENT	INF	20	EXE	HDPE	33_05_01.10	NO	NO	NONE	35	H	53	GREEN	WHITE	PLANT INFLUENT (INF)	TRANSITION PIPE MATERIALS WHERE NOTED ON DRAWINGS.
MTF	MTF PLANT INFLUENT	PLANT INFLUENT	INF	<14"	EXE	316 SS, SCH 10S	40_27_00.08	NO	NO	NONE	35	H	53	GREEN	WHITE	PLANT INFLUENT (INF)	
MTF	MTF PLANT INFLUENT	PLANT INFLUENT	INF	>14"	B, EXE	CELDI	40_27_00.01	NO	NO	YES	35	H	53	GREEN	WHITE	PLANT INFLUENT (INF)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5 (MTF ONLY)
MTF	MTF PLANT INFLUENT	PLANT INFLUENT	INF	14"	EXI	CS	40_27_00.03	NO	NO	SEE NOTES	35	H	53	N/A	N/A	N/A	PUMP SUCTION PIPE PROVIDED BY TANK MFR. COATINGS IN ACCORDANCE WITH PIPE DATA SHEET;TRANSITION TO SST OUTSIDE OF TANK WHERE NOTED ON DRAWINGS.
HDWKS	PLANT INFLUENT/DRAIN	PLANT INFLUENT/DRAIN	INF/D	ALL	ALL	CELDI	40_27_00.01	YES	YES	YES	10	G	10	GREEN	WHITE	PLANT INFLUENT/DRAIN (INF/D)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5
ALL	PLANT INFLUENT/OVERFLOW	PLANT INFLUENT/OVERFLOW	INF/OF	ALL	ALL	CS	40_27_00.03	NO	NO	SEE NOTES	22	G	22	N/A	N/A	N/A	OVERFLOW PIPING INSIDE AND OUTSIDE OF EQ AND STORMWATER TANKS; BY TANK MFR
HDWKS	TRANSFER PIPELINE VENT	PLANT INFLUENT/VENT	INF/V	ALL	ALL	316 SS, SCH 40S	40_27_00.08	YES	YES	NONE	35	H	53	GREEN	WHITE	PLANT INFLUENT/DRAIN (INF/D)	
MTF	LIQUID OFFLOAD TO WASTE BASIN	LIQUID OFFLOAD	LOL	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	20	H	30	N/A	N/A	N/A	
MTF	SLUDGE TANK OVERFLOW	OVERFLOW	OF	ALL	ALL	PVC, SCH 80	40_27_00.10	YES	NO	NONE	20	H	20	GREEN	WHITE	OVERFLOW (OF)	
MTF	ORGANOSULFIDE	ORGANOSULFIDE	OGS	ALL	ALL	CPVC, SCH 80	40_27_00.11	YES	YES	NONE	100	H	150	YELLOW	BLACK	ORGANOSULFIDE (ORG)	
MTF	FILTER PRESS PLANT AIR	PLANT AIR	PA	ALL	ALL	CU	40_27_00.13	NO	NO	NONE	150	P	165	BLUE	WHITE	PLANT AIR (PA)	
ALL	POTABLE COLD WATER SUPPLY	POTABLE COLD WATER SUPPLY	PCW	ALL	ALL	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE COLD WATER (PCW)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
ALL	POTABLE HOT WATER SUPPLY	POTABLE HOT WATER SUPPLY	PHW	ALL	ALL	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE HOT WATER (PHW)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
ALL	POTABLE HOT WATER RETURN	POTABLE HOT WATER RETURN	PHWR	ALL	ALL	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE HOT WATER RETURN (PWHR)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
MTF	PLANT EFFLUENT	PLANT EFFLUENT	PLE	ALL	ALL	CLDI	40_27_00.01	NO	NO	YES	10	G	10	N/A	N/A	N/A	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5
ALL	POTABLE TEPID WATER RETURN	POTABLE TEPID WATER RETURN	PTWR	ALL	EXE, EXI	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE TEPID WATER RETURN (PTWR)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
ALL	POTABLE TEPID WATER RETURN	POTABLE TEPID WATER RETURN	PTWR	ALL	B	HDPE	33_05_01.10	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE TEPID WATER RETURN (PTWR)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
ALL	POTABLE TEPID WATER SUPPLY	POTABLE TEPID WATER SUPPLY	PTWS	ALL	EXE, EXI	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE TEPID WATER SUPPLY (PTWS)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
ALL	POTABLE TEPID WATER SUPPLY	POTABLE TEPID WATER SUPPLY	PTWS	ALL	B	HDPE	33_05_01.10	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	POTABLE TEPID WATER SUPPLY (PTWS)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
ALL	REFRIGERANT LINE HOT GAS	REFRIGERANT LINE HOT GAS	RHG	ALL	ALL	CU	20_23_00	YES (SEE NOTES)	NO	NONE	400	P	440	YELLOW	BLACK	REFRIGERANT HOT GAS (RHG)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
ALL	REFRIGERANT LINE LIQUID	REFRIGERANT LINE LIQUID	RLL	ALL	ALL	CU	20_23_00	YES (SEE NOTES)	NO	NONE	400	P	440	YELLOW	BLACK	REFRIGERANT LIQUID (RLL)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
ALL	REFRIGERANT LINE SUCTION	REFRIGERANT LINE SUCTION	RLS	ALL	ALL	CU	20_23_00	YES (SEE NOTES)	NO	NONE	400	P	440	YELLOW	BLACK	REFRIGERANT SUCTION (RLS)	SEE SPEC 22_07_00 FOR INSULATION DETAILS
ALL	SANITARY WATER SUPPLY	SANITARY WATER SUPPLY	SANW	>3	B, EN, EXE, EXI	CLDI	40_27_00.01	YES (SEE NOTES)	NO	YES	100	H	150	GREEN	WHITE	SANITARY WATER (SANW)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
ALL	SANITARY WATER SUPPLY	SANITARY WATER SUPPLY	SANW	≤3	EXE, EXI	CU	40_27_00.13	YES (SEE NOTES)	NO	NONE	80	H	120	GREEN	WHITE	SANITARY WATER (SANW)	SEE SPEC 22_07_00 FOR INSULATION DETAILS; PROVIDE FOR EXE EXPOSURE AS SPECIFIED
MTF	SODIUM BISULFITE	SODIUM BISULFITE	SB	ALL	ALL	CPVC, SCH 80	40_27_00.11	YES	YES	NONE	100	H	150	YELLOW	BLACK	SODIUM BISULFITE (SB)	
ALL	STORM DRAIN COLLECTION SYSTEM	STORM DRAIN	SD	>8	B	RCP	33_41_01_05	NO	NO	NONE	0	I	N/A	N/A	N/A	N/A	
MTF	STORM DRAIN COLLECTION SYSTEM	STORM DRAIN	SD	<8	B	PVC, SCH 80	33_41_01_03	NO	NO	NONE	0	I	N/A	N/A	N/A	N/A	
MTF	SODIUM HYDROXIDE	SODIUM HYDROXIDE	SH	ALL	EXI	CPVC	40_27_00.11	NO	NO	NONE	100	H	150	YELLOW	BLACK	SODIUM HYDROXIDE (SH)	
MTF	SODIUM HYDROXIDE	SODIUM HYDROXIDE	SH + CTMT	ALL	EXI	CPVC, DOUBLE WALL	40_27_00.15B, SEE NOTES	NO	NO	NONE	100	H	150	YELLOW	BLACK	SODIUM HYDROXIDE (SH)	DOUBLE-WALL PIPING (40 27 00.15B) SHALL BE USED ON DISCHARGE PIPE FROM EDGE OF CONTAINMENT TO APPLICATION POINT AS SHOWN ON DRAWINGS. ALL OTHER PIPING SHALL BE SINGLE-WALL PIPING (40 27 00.11)
MTF	RECYCLED SLUDGE	SLUDGE RECYCLE	SLR	ALL	ALL	316 SS, SCH 40S	40_27_00.08	YES	YES	NONE	50	H	75	GREEN	WHITE	FERRIC HYDROXIDE SLUDGE RECYCLE (SLR)	
MTF	SLUDGE WASTE	SLUDGE WASTE	SLW	ALL	ALL	316 SS, SCH 40S	40_27_00.08	YES	YES	NONE	50	H	75	GREEN	WHITE	SLW, FERRIC HYDROXIDE SLUDGE WASTE (SLW)	
ALL	SUMP PUMP DISCHARGE	SUMP PUMP DISCHARGE	SPD	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	25	H	38	GREEN	WHITE	SUMP PUMP DISCHARGE (SPD)	
ALL	SANITARY VENT	SANITARY VENT	SSV	ALL	ALL	CISP	22_10_01.03	NO	NO			H	N/A	GREEN	WHITE	SANITARY VENT (SSV)	
ALL	SANITARY WASTE	SANITARY WASTE	SSW	ALL	ALL	CISP	22_10_01.03	NO	NO			H	N/A	GREEN	WHITE	SANITARY WASTE (SSW)	
HDWKS	SULFURIC ACID	SULFURIC ACID	SU	ALL	EXI	PVDF	40_27_00.18	NO	NO	NONE	100	H	150	YELLOW	BLACK	SULFURIC ACID (SU)	USE PVDF WHERE INDICATED ON DRAWINGS
HDWKS	SULFURIC ACID	SULFURIC ACID	SU	ALL	EXI	316 SS, SCH 40S	40_27_00.08	NO	NO	NONE	100	H	150	YELLOW	BLACK	SULFURIC ACID (SU)	USE 316L SST WHERE INDICATED ON DRAWINGS
HDWKS	SULFURIC ACID	SULFURIC ACID	SU + CTMT	ALL	EXE	316 SS, DOUBLE WALL	40_27_00.15C, SEE NOTES	NO	NO	NONE	100	H	150	YELLOW	BLACK	SULFURIC ACID (SU)	DOUBLE-WALL PIPING (40 27 00.15B) SHALL BE USED ON DISCHARGE PIPE FROM EDGE OF CONTAINMENT TO APPLICATION POINT AS SHOWN ON DRAWINGS. ALL OTHER PIPING SHALL BE SINGLE-WALL PIPING (40 27 00.11)
MTF	SULFURIC ACID	SULFURIC ACID	SU	ALL	EXE	316 SS, SCH 40S	40_27_00.09	NO	NO	NONE	100	H	150	YELLOW	BLACK	SULFURIC ACID (SU)	
MTF	SULFURIC ACID	SULFURIC ACID	SU + CTMT	ALL	EXE	316 SS, DOUBLE WALL	40_27_00.15C, SEE NOTES	NO	NO	NONE	100	H	150	YELLOW	BLACK	SULFURIC ACID (SU)	DOUBLE-WALL PIPING (40 27 00.15B) SHALL BE USED ON DISCHARGE PIPE FROM EDGE OF CONTAINMENT TO APPLICATION POINT AS SHOWN ON DRAWINGS. ALL OTHER PIPING SHALL BE SINGLE-WALL PIPING (40 27 00.11)
MTF	SULFURIC ACID TANK VENT	SULFURIC ACID/VENT	SU/V	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	0	N/A	N/A	YELLOW	BLACK	VENT/SULFURIC ACID (V)	
HDWKS	STORM WATER	STORM WATER	SW	ALL	ALL	CELDI	40_27_00.01	NO	NO	SEE NOTES	45	H	68	GREEN	WHITE	STORM WATER (SW)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIO,: SYSTEM NO. 5
HDWKS	STORMWATER DRAIN	STORM WATER/DRAIN	SW/D	ALL	ALL	CELDI	40_27_00.01	NO	NO	SEE NOTES	30	H	50	GREEN	WHITE	STORM WATER/DRAIN (SW/D)	EXPOSED EXTERIOR: SYSTEM NO. 5
HDWKS	STORMWATER OVERFLOW	STORM WATER / OVERFLOW	SW/OF	ALL	ALL	CS	40_27_00.03	NO	NO	SEE NOTES	30	G	30	N/A	N/A	N/A	OVERFLOW PIPING INSIDE AND OUTSIDE OF STORMWATER TANK; BY TANK MFR
HDWKS	STORMWATER RETURN	STORM WATER RETURN	SWR	ALL	B, EXE, EXI	CELDI	40_27_00.01	NO	NO	SEE NOTES	30	H	50	GREEN	WHITE	STORM WATER/DRAIN (SW/D)	COATINGS: BURIED, PER PIPING SPECS; EXPOSED EXTERIOR, SYSTEM NO. 5
HDWKS	STORMWATER RETURN	STORM WATER RETURN	SWR	ALL	EN	CS	40_27_00.03	NO	NO	N/A	30	G	30	N/A	N/A	N/A	ENCASED PIPING AT THE SW TANK. TRANSITION TO CELDI IN YARD AS NOTED.
HDWKS	STORMWATER RETURN DRAIN	STORM WATER RETURN/DRAIN	SWR/D	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	7	H	7	GREEN	WHITE	STORM WATER RETURN/DRAIN (SW/D)	
HDWKS	STORMWATER RETURN VENT	STORM WATER RETURN/VENT	SWR/V	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	0	N/A	N/A	N/A	N/A	N/A	
MTF	THICKENING AID POLYMER	THICKENING AID POLYMER	TAP	ALL	ALL	CPVC, SCH 80	40_27_00.11	NO	NO	NONE	100	H	150	YELLOW	BLACK	THICKENING AID POLYMER (TAP)	
MTF	THICKENING AID POLYMER	THICKENING AID POLYMER SOLUTION	TAPS	ALL	ALL	CPVC, SCH 80	40_27_00.11	NO	NO	NONE	150	H	225	YELLOW	BLACK	THICKENING AID POLYMER SOLUTION (TAPS)	
MTF	WASTE SLUDGE	THICKENED SLUDGE	TSL	ALL	ALL	316 SS, SCH 40S	40_27_00.08	YES	YES	NONE	100	H	150	GREEN	WHITE	THICKENNED FERRIC HYDROXIDE SLUDGE (TSL)	
MTF	VENT	VENT	V	ALL	ALL	PVC, SCH 80	40_27_00.10	NO	NO	NONE	0	N/A	N/A	GREEN	WHITE	VENT (V)	
ALL	PLANT WATER	W2 WATER	W2	<3	EXI	CU	40_27_00.13	NO	NO	NONE	80	H	120	GREEN	WHITE	PLANT WATER (W2)	
ALL	PLANT WATER	W2 WATER	W2	≥3	EXI	CLDI	40_27_00.01	NO	NO	YES	80	H	120	GREEN	WHITE	PLANT WATER (W2)	
HDWKS	PLANT WATER	W2 WATER	W2	ALL	B	HDPE	33_05_01.10	NO	NO	NONE	80	H	120	GREEN	WHITE	PLANT WATER (W2)	
MTF	PLANT WATER	W2 WATER	W2	≤3	EXE	CU	40_27_00.13	YES	YES	NONE	80	H	120	GREEN	WHITE	PLANT WATER (W2)	
MTF	PLANT WATER	W2 WATER	W2	>3	EXE	CLDI	40_27_00.01	YES	YES	YES	80	H	120	GREEN	WHITE	PLANT WATER (W2)	
MTF	PLANT WATER	W2 WATER	W3	ALL	ALL	316 SS, SCH 40S	40_27_00.08	NO	NO	NO	80	H	120	GREEN	WHITE	PLANT WATER (W2)	PROVIDE IN LIEU OF CU WHERE NOTED.
MTF	DECHLORINATED PLANT WATER	W3 WATER	W3	ALL	ALL	CU	40_27_00.13	YES	NO	NONE	100	H	150	GREEN	WHITE	DECHLORNIATED WATER (W3)	DILUTION WATER FOR POLYMER BLENDING UNITS. CHEMICALS FLPS, FAPS, TAPS

SERVICE LEGEND: B=BURIED; EXI=EXPOSED INTERIOR; EXE=EXPOSED EXTERIOR; S=SUBMERGED; EN=CONCRETE ENCASED;

TESTING LEGEND:
G=GRAVITY; H=HYDROSTATIC; I=IN-SERVICE; P=PNEUMATIC; PC=UNIFORM PLUMBING CODE; N/A=NOT APPLICABLE; IPC=INTERN/ATION/AL PLUMBING CODE; HP=HYDROSTATIC-PNEUMATIC

MATERIAL LEGEND:
CELDI= CERAMIC EPOXY LINED DUCTILE IRON; CISP=CAST IRON SOIL PIPE; CLDI=CEMENT LINED DUCTILE IRON; CPVC=CHLORIN/ATED POLYVINYL CHLORIDE; CS=CARBON STEEL; CU=COPPER; GALV STL=GALVANIZED STEEL; GLDI=GLASS LINED DUCTILE IRON; HDPE= HIGH DENSITY POLYETHYLENE; PVC=POLYVINYL CHLORIDE; PVDF=POLYVINYLIDENE FLOURIDE; RCP= REINFORCED CONCRETE PIPE; SS=STAINLESS STEEL

NOTES:
1. SIDESTREAM PIPING MATERIAL AND OPERATING CONDITIONS SHALL BE THE SAME AS FOR THE PRIMARY FLOWSTREAM UNLESS NOTED OTHERWISE IN THE SCHEDULE (V, OF, D, AND BYP).

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 »

REV.	DATE	DESCRIPTION
Ø		ISSUED FOR CONSTRUCTION

PART	DRW	CHKR	DE	DVR	DM	DATE
	LW	QW	NB		LE	06/2017

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK — DRAWING APPROVALS

DRW	L WALTER	06/13/17
CHKR	Q WANG	06/13/17
DE	N BERGLAND	06/13/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

RPE

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

GENERAL
PIPE SCHEDULE

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

SH.	OF	TYPE		PART	REV
1	1	DD	M941001-F-0002	000	0

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