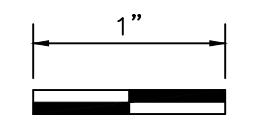


SYSTEM CODE ABBREVIATIONS

ACE	ACETIC ACID	FES	FERRIC SULFATE	ODC	ODOR CONTROL
ACT	ACETYLENE	FLC	FLOCCULATION	OF	OVERFLOW
AER	AERATION SYSTEM	FLT	FILTRATION	OIL	OIL
AIR	AIR, AERATION OR PROCESS	FO	FUEL OIL	OZD	OZONE DESTRUCT
ALS	ALUMINUM SULFATE	FRC	FERROUS CHLORIDE	OZN	OZONE
ARG	ARGON	FRS	FERROUS SULFATE	OZW	OZONATED WATER
ARW	AIR WASH	FUE	DIESEL FUEL	PAC	POWDERED ACTIVATED CARBON
AS	ANTI-SEALANT	FW	FIRE WATER	PACL	POLYALUMINUM CHLORIDE
ASH	ASH	GAC	GRANULAR ACTIVATED CARBON	PAR	PRE-AERATION
BAL	BALLASTED FLOCCULATION	GOX	GASEOUS OXYGEN	PER	HYDROGEN PEROXIDE
BIO	BIOSOLIDS	GRS	GREASE	PEW	PLANT EFFLUENT WATER
BIT	BIOTOWER	GRT	GRIT	PO4	PHOSPHORIC ACID
BLS	BLENDED SLUDGE	GSL	GASOLINE	POLY	POLYMER
BNR	BNR	HCL	HYDROCHLORIC ACID	PPP	PHOSPHATE
BRN	BRINE	HCO3	CARBONIC ACID	PPR	PRIMARY CLARIFICATION
BWH	BACKWASH FOR MEMBRANE OR FILTER	HEL	HELIUM	PRS	PRIMARY SLUDGE
BYP	BYPASS	HFL	HYDRAULIC FLUID	PSC	PRIMARY SCUM
CA	CITRIC ACID	HFS	HYDROFLUOSILICIC ACID (FLUORIDE)	PSD	PRESEDIMENTATION
CACL	CALCIUM HYPOCHLORITE	HSO4	SULFURIC ACID	RAS	RETURN ACTIVATED SLUDGE
CAH	LIME, HYDRATED	HW	HOT OR HEATING WATER	RCS	RECIRCULATED SLUDGE
CAI	COMPRESSED AIR, INSTRUMENT	HWR	HOT WATER RETURN	RCW	RECIRCULATION WATER
CAO	LIME, QUICKLIME	HWS	HOT WATER SUPPLY	REF	REFRIGERANT
CAS	CARBON SLURRY	HYD	HYDROGEN	RES	RESIDUALS
CATS	CALCIUM THIOSULFATE	INC	INCINERATION	ROS	REVERSE OSMOSIS
CDW	CONDENSATE WATER	INFP	INFLUENT PUMPING	RW	RAW WATER
CEB	CHEMICAL ENHANCED BACKWASH FOR MEMBRANE	INT	INTAKE	RWP	RAW WATER PUMPING
CEN	CENTRATE	IRW	IRRIGATION WATER	RWS	RAW WATER STORAGE
CI	CORROSION INHIBITOR	KMN	POTASSIUM PERMANGANATE	SCL	SECONDARY CLARIFICATION
CIP	CLEAN IN PLACE	LAG	LAGOON STORAGE	SCR	SCREENINGS
CL2	CHLORINE	LAP	LAND APPLICATION	SD	STORM DRAIN
CLO2	CHLORINE DIOXIDE	LIM	LIME, STABILIZATION	SEP	SEPTAGE
CMS	COMPRESSED AIR, SERVICE	LOX	LIQUID OXYGEN	SET	SETTLED WATER
CO2	CARBON DIOXIDE	LPG	LP GAS OR PROPANE GAS	SEW	SEWAGE
COA	COAGULATION	MEG	METHANE GAS	SO2	SULFUR DIOXIDE
COLW	COOLING WATER	MEM	MEMBRANE	SS	SANITARY SEWER
CUS	COPPER SULFATE	MGOH	MAGNESIUM HYDROXIDE	SSC	SECONDARY SCUM
DAF	DISSOLVED AIR FLOTATION	MTH	METHANOL	STM	STEAM
DC	DEWATERED CAKE	MXL	MIXED LIQUOR	STS	STORM SEWER
DCB	DISINFECTION CONTACT BASIN	NAC	SODA ASH	SW	SURFACE WASH
DCL	DECHLORINATION	NAF	SODIUM FLUORIDE	SWT	SEAL WATER
DEW	DEIONIZED WATER	NAL	SODIUM ALUMINATE	TERT	TERTIARY TREATMENT
DET	DETERGENT	NAOH	SODIUM HYDROXIDE	TF	TRICKLING FILTER
DGA	DIGESTION, AEROBIC	NAM	SODIUM ALUMINATE	THCK	THICKENING
DGM	DIGESTER GAS MIXING	NASF	SODIUM SILICOFLUORIDE	TPRS	THICKENED PRIMARY SLUDGE
DGG	DIGESTER GAS	NAX	SODIUM HEXAMETAPHOSPHATE	TW	TREATED WATER
DGS	DIGESTER SLUDGE	NBC	SODIUM BICARBONATE	TWAS	THICKENED WASTE ACTIVATED SLUDGE
DIG	DIGESTION, ANAEROBIC	NCL	SODIUM CHLORIDE	UV	ULTRAVIOLET
DRN	DRAINAGE	NCL2	SODIUM CHLORITE	VAC	VACUUM
DRY	BIOSOLIDS DRYING	NG	NATURAL GAS	W	WATER
DS	DEWATERED SLUDGE	NH3	ANHYDROUS AMMONIA	WAS	WASTE ACTIVATED SLUDGE
DW	DISTILLED WATER	NHOH	AQUA AMMONIA	WW	WASH WATER
DWT	DEWATERING	NHS	SODIUM BISULFITE	WWP	RAW WASTEWATER PUMPING
EFF	EFFLUENT PUMPING	NIO	NITROUS OXIDE	WWT	WET WEATHER TREATMENT
EQB	EQUALIZATION BASIN	NIT	NITROGEN	WWW	WASTE WASH WATER
EXH	EXHAUST	NOCL	SODIUM HYPOCHLORITE	ZOP	ZINC ORTHOPHOSPHATE
FE	FILTER EFFLUENT	NPW	NON-POTABLE WATER		
FEC	FERRIC CHLORIDE	NSO4	AMMONIUM SULFATE		

SEQUENCE CODE

9XXX SOLIDS PHASE 2



ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

DATE	
REVISION	



HAWKINS WEIR ENGINEERS, INC.
BLACK & VEATCH

FUNCTION CODE ABBREVIATIONS

ACD	AERATOR, COARSE BUBBLE DIFFUSED	DGAP	DIGESTER, ANAEROBIC PRIMARY	HSW	HOIST, WIRE ROPE	RM	ROTAMETER	VBA	VALVE, AWWA BALL
ACMB	ACTIVATION CHAMBER	DGAS	DIGESTER, ANAEROBIC SECONDARY	HYC	HYDROCYCLONE	RSV	RESERVOIR	VBF	VALVE, INDUSTRIAL BUTTERFLY
AD	AIR DRYER	DGE	DIGESTER, AEROBIC	HYDF	HYDRANT, FIRE	SAMP	SAMPLER	VBFA	VALVE, AWWA BUTTERFLY
AEFD	AERATOR, FINE PORE DIFFUSED	DIF	DIFFUSER, CHANNEL	HYDW	HYDRANT, WALL	SBL	SOLIDS BLENDER, INLINE	VBFP	VALVE, BACKFLOW PREVENTER
AES	AERATOR, SURFACE	DMP	DAMPER	INJ	INJECTOR, CHEMICAL	SC	SCALE, WEIGHT, SCREW CONVEYOR	VBM	VALVE, BALL MISCELLANEOUS
AF	AIR FILTER	DPS	DIAPHRAGM SEAL	LS	LIME SLAKER	SCB	SCRUBBER	VCAV	VALVE, COMBINATION AIR RELEASE AND VACUUM BREAK
AFC	AFTERCOOLER	DRY	DRYER	M	MOTOR	SCC	SLUDGE COLLECTOR, CIRCULAR	VCK	VALVE, CHECK
AFD	ADJUSTABLE FREQUENCY DRIVE	DSUV	DISINFECTION UNIT, UV	MBMF	MEMBRANE, MICROFILTRATION	SCFC	SLUDGE COLLECTOR, FLOC-CLARIFYING	VCN	VALVE, CONE
AFS	AERATOR, FLOATING SURFACE	DUC	DUST COLLECTOR	MBNF	MEMBRANE, NANOFILTRATION	SCL	SCALE	VD	VALVE, DIVERTER
AR	AIR RECEIVER OR REGULATOR	DWS	DEWATERING SCREW	MBR	MEMBRANE	SCLC	SLUDGE COLLECTOR, CROSS	VDG	VALVE, DIAPHRAGM OPERATED
AS	AIR SEPARATOR	EDC	EDUCTOR	MBRO	MEMBRANE, REVERSE OSMOSIS	SCLR	SECONDARY CLARIFIER	VER	VALVE, EXPLOSION RELIEF
AST	AIR STRIPPER	EEWF	EMERGENCY EYE WASH FOUNTAIN	MBUF	MEMBRANE, ULTRAFILTRATION	SCRB	SCREEN, MANUAL OR MECH CLEANED BAR	VFG	VALVE, FLAP GATE
B	BIN (STORAGE - ALL TYPES)	EOPB	EQUIPMENT, BUILDING SERVICES	MFL	MIXER, FLOCCULATION	SCRH	SCREEN, HORIZONTAL	VFW	VALVE, FOUR WAY
BA	BIN ACTIVATOR	EQPE	ELECTRICAL EQUIPMENT, GENERAL	MXC	MIXER, CARBON	SCRI	SCREEN, INLINE SLUDGE	VG	VALVE, GATE
BDZ	BULLDOZER	EOPG	EQUIPMENT, GENERAL OR UNSPECIFIED	MXI	MIXER, IN-LINE	SCRJ	SCREEN, INLINE SLUDGE	VGD	VALVE, DOUBLE DISC GATE
BFP	BACKFLOW PREVENTER	ESEW	EMERGENCY SHOWER AND EYEWASH	MXP	MIXER, SUBMERSIBLE, PROP OR BLENDER	SCRK	SCREEN, TRAVELING WATER	VGL	VALVE, GLOBE
BFPS	BELT FILTER PRESS	ESHR	EMERGENCY SHOWER	MXPG	MIXER, PUGMILL	SCRV	SCREEN, VIBRATORY	VGR	VALVE, RESILIENT SEATED GATE
BL	BLOWER, POSITIVE DISPLACEMENT	EXC	EXPANSION CHAMBER	MXR	MIXER, RAPID	SCSC	SLUDGE COLLECTOR, SOLIDS CONTACT	VKG	VALVE, KNIFE GATE
BLC	BLOWER, CENTRIFUGAL	EV	EVAPORATOR	MXS	MIXER, STATIC	SCSE	SLUDGE COLLECTOR, SEC CLARIFIERS	VMD	VALVE, MUD
BLR	BOILER	FAN	FAN, CENTRIFUGAL	ODU	OZONE DESTRUCT UNIT	SCSL	SLUDGE COLLECTOR, STRAIGHT LINE	VMR	VALVE, MATERIAL HANDLING ROTARY
BNR	BASIN, BNR	FAR	FLAME ARRESTER	OGEN	OZONE GENERATOR	SCW	SCUM WEIR, ROTATING	VND	VALVE, NEEDLE
BSNA	BASIN, AERATION	FAX	FAN, AXIAL FLOW	OPSU	OZONE POWER SUPPLY UNIT	SDM	SLUDGE DENSITY METER	VP	VALVE, PROCESS
BSNC	BASIN, CHLORINE CONTACT	FC	FLAME CHECK	ORD	OVERFLOW ROOF DRAIN	SEP	SEPARATOR, MOISTURE OR CYCLONE	VPE	VALVE, ECCENTRIC PLUG
BSNO	BASIN, OXIC	FD	FLOOR DRAIN	P	PUMP, POSITIVE DISPLACEMENT, ROTARY, DRUM OR BELL MOUNTED	SG	SIGHT GAUGE	VPL	VALVE, NON-ECCENTRIC PLUG
BSNS	BASIN, SEDIMENTATION	FGP	FILTER, GAS PARTICULATE	PAD	PUMP, AIR DIAPHRAGM	SGR	SLUDGE GRINDER, INLINE OR CHANNEL	VPN	VALVE, PINCH
BSNX	BASIN, ANOXIC/OXIC	FL	FORKLIFT	PBC	PRESSURE BUILDING COIL	SGT	SIGHT GLASS, TALL	VPO	VALVE, PISTON OPERATED
CAB	COVER, ALUMINUM DOME BASIN	FLC	FILTER, CARTRIDGE TYPE	PCL	PUMP, CENTRIFUGAL	SIL	SILENCER	VPRD	VALVE, PRESSURE REDUCING
CCLM	CALIBRATION COLUMN	FLCH	FLOCCULATOR, HORIZONTAL	PCLR	PRIMARY CLARIFIER	SMC	SCUM COLLECTOR	VPRL	VALVE, PRESSURE RELIEF
CDG	COVER, GAS HOLDER	FLCV	FLOCCULATOR, VERTICAL	PCN	PARTICLE COUNTER	SMC	SCUM COLLECTOR	VPS	VALVE, PRESSURE SUSTAINING
CFD	COVER, FIXED DIGESTER	FLG	FLARE, GAS	PD	PULSATION DAMPENER	STR	STRAINER	VPT	VALVE, PILOT
CFG	CENTRIFUGE	FLM	FLUME, PARSHALL	PDM	PUMP, DIAPHRAGM METERING	STRB	STRAINER, BASKET TYPE	VPVR	VALVE, PRESSURE/VACUUM RELIEF
CFL	COVER, FLOATING DIGESTER	FLT	FILTER, UNDERDRAINS OR PRESSURE	PHE	PUMP, HORIZONTAL END SUCTION	STRY	STRAINER, Y TYPE	VRG	VACUUM REGULATOR
CGR	CLASSIFIER, GRIT	FM	FLOW METER	PHW	PUMP, HOT OR HEATING WATER	TB	TURBINE	VS	VALVE, SAFETY
CGS	CHLORINE GAS SCRUBBER	FMSF	FOAM SEPARATOR	PINJ	POLYMER INJECTOR RING	TBC	TURBINE COMPRESSOR	VSL	VALVE, SOLENOID
CHF	CHEMICAL FEEDER	FS	FLOW SPLITTER	PIPE	PIPE	TBE	TURBINE ENGINE	VSLB	VESSEL, BOOT
CMB	COVER, MEMBRANE	FST	FENCE STIRRER	PLT	PELLETIZER	TCC	TANK, CHLORINE CONTACTOR	VSLV	VALVE, SLEEVE
CML	COMPRESSOR, LIQUID RING	FSW	FILTER, SURFACE WASH EQUIPMENT	PMP	PUMP	TCN	TANK, AMMONIA STORAGE	VTLS	VALVE, TELESCOPING
CMP	COMPRESSOR	FTNG	FITTING, MISCELLANEOUS	PNS	PENSTOCK	TCP	TANK, METHANOL	VTS	VALVE, THERMAL SHUTOFF
CMP5	COMPRESSOR, STEAM	GBT	GRAVITY BELT THICKENER	PP	PACKAGED PLANT	TCR	TANK, CRYOGENIC STORAGE	VTW	VALVE, THREE WAY
CMR	COMPRESSOR, ROTARY SCREW	GEN	GENERATOR, ENGINE (BACKUP POWER)	PPC	PUMP, PROGRESSING CAVITY	TCR	TANK, CRYOGENIC STORAGE	VVB	VALVE, VACUUM BREAKER
COB	CONVEYOR, BELT	GFD	GAS FEEDER	PPL	PUMP, PLUNGER	TDC	TUBULAR DRAG CHAIN CONVEYOR	VVR	VALVE, V-PORT BALL
COS	CONVEYOR, SREW	GFL	GATE, FLAP	PPS	PUMP, PERISTALTIC	TDW	TANK, DOUBLE WALL	W	WEIR, V-PORT BALL
CRG	CRANE, GANTRY	GRB	GRIT BASIN, VORTEX TYPE	PSC	PUMP, HORIZONTAL SPLIT CASE	TNK	TANK, GENERAL OR UNSPECIFIED	WC	WEIR, CIPOLLETTI
CRU	CRANE, JIB	GRC	GRIT SCREW CONCENTRATOR	PSCH	PUMP, SUBMERSIBLE CHOPPER	TNKC	TANK, FRP CHEMICAL STORAGE	WLHC	WELL, HORIZONTAL COLLECTOR
CRN	CRANE	GRD	GRINDER PULVERIZER	PSE	PUMP, SCREW ENCLOSED	TRK	TRUCK	WLJ	WELL, VERTICAL
CRP	CRANE, PORTABLE GANTRY	GRI	GRINDER, INLINE SEWAGE	PSL	PUMP, SUBMERSIBLE	TRP	TRAP, DRIP	WR	WEIR, RECTANGULAR
CRT	CRANE, TRAVELING BRIDGE	GSD	GATE, SLIDE	PSO	PUMP, SCREW OPEN	TRPS	TRAP, SEDIMENT	WV	WEIR, V-NOTCH
CTR	CONTAINER, PROCESS	GSL	GATE, SLUICE	PSP	PUMP, SUMP	TSR	TANK, STORAGE, ABOVE GROUND	VAG	VALVE, ANGLE
CW	CLEARWELL	GVT	GRAVITY THICKENER	PSS	PUMP, SUBMERSIBLE SUMP	TSE	TANK, ELEVATED STORAGE	VAP	VAPORIZER
CYG	CYLINDER, GAS	GWH	GAS WATER HEATER	PST	PLATE SETTLER	TSMF	TANK, SAMPLER	VAR	VALVE, AIR RELEASE
CYL	CYLINDER, CHLORINE	GWR	GATE, WEIR	PVD	PUMP, VERTICAL DIFFUSION VANE	TSW	TANK, STEEL WATER	VAVB	VALVE, AIR VACUUM BREAK
DAF	DISSOLVED AIR FLOTATION THICKENER	HEX	HEAT EXCHANGER	PVE	PUMP, VERTICAL END SUCTION	TX	TANK, EXPANSION		
DFB	DIFFUSER BANK	HOP	HOPPER	PVW	PUMP, VERTICAL WET PIT	UPS	UNINTERRUPTIBLE POWER SUPPLY		
DFP	DIFFUSER, PIPELINE	HSC	HOIST, CHAIN	RCO	RESIDUAL COLLECTOR	UVR	UV REACTOR		
DFT	DIFFUSER, TANK	HST	HOIST	RD	RUPTURE DISK	V	VALVE, GENERAL OR UNSPECIFIED		

ROGERS, ARKANSAS
 ROGERS POLLUTION CONTROL FACILITY (RPF)
 SOLIDS HANDLING IMPROVEMENTS, PHASE II
 PROCESS FLOW DIAGRAM
 LEGEND & ABBREVIATIONS SHEET 3 OF 3
 FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
 SCALE: NONE
 DESIGNED BY: LRO
 DRAWN BY: AWR
 HWEI NO.: 2020043
 FILENAME:

C:\USERS\RAMB3010\APPDATA\LOCAL\VAUTODESK\VAUTOCAD - PLANT 3D\COLLABORATION\CACHE\406493\FID-DWG\G-16.DWG - 8/27/2024 3:58 PM - RAMSEY, AUSTIN W. - LAYOUT1