NAME	DESCRIPTION	TYPE OF OPERATION
MAIN TREATMENT		
EAST PROCESS PUMP #1	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
EAST PROCESS PUMP #2	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
DEBONING PROCESS PUMP #1	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
DEBONING PROCESS PUMP #2	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
TRUCK WASH WASTE PUMP #1	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
TRUCK WASH WASTE PUMP #2	GORMAN RUPP PUMP T4A60	AUTOMATIC OPERATION
SCREEN	IPEC IFO/W48120	24-7 MANUAL OPERATION
EQUALIZATION PUMP #1 (FEB)	GORMAN RUPP T6	MANUAL OPERATION
EQUALIZATION PUMP #2 (FEB)	GORMAN RUPP T6	MANUAL OPERATION
FEB BLOWER	HUFFMAN 25HP	MANUAL OPERATION
RAW PUMP #1	GORMAN RUPP T8A60-B	ONE PUMP ON, MANUAL CONTROL
RAW PUMP #2	GORMAN RUPP T8A60-B	ONE PUMP ON, MANUAL CONTROL
ACID FEED PUMP #1	PULSA FEEDER	pH CONTROL
DAF INFLUENT pH CONTROLLER	GREAT LAKE INSTRUMENT (GLI) MH63	AUTOMATIC CONTROL
POLYMER TANK #1 MIXER	LIGHTNIN X6P50 1HP/220V	MANUAL CONTROL
POLYMER TANK #2 MIXER	LIGHTNIN X6P50 1HP/220V	MANUAL CONTROL
POLYMER FEED PUMP #1	GEAR PUMP VFD DRIVEN	MANUAL CONTROL
POLYMER FEED PUMP #2	GEAR PUMP VFD DRIVEN	MANUAL CONTROL
COAGULATION TANK MIXER	HELLBENDER HBM-58	MANUAL CONTROL
FLOCCULATION TANK MIXER	HELLBENDER HBM-47	MANUAL CONTROL
DAF RECYCLE PUMP	20hp/460v/TEFC	MANUAL CONTROL
DAF TOP SKIMMER	.5hp/460v/TEFC	MANUAL CONTROL
DAF SKIMMER AUGER	1hp/460v/TEFC	MANUAL CONTROL
DAF BOTTOM SKIMMER	.5hp/460v/TEFC	MANUAL CONTROL
ORP CONDUCTIVITY METER	HACH	AUTOMATIC CONTROL
LIME TANK BAG HOUSE	2hp/460v/TEFC - 100 PSI AIR	MANUAL CONTROL
LIME TANK AUGER	1hp/460v/TEFC	MANUAL CONTROL
LIME TANK MIXER	LIGHTNIN DURAMIX .65HP/220V	MANUAL CONTROL
LIME FEED PUMP	LUTZ AIR DIAPHRAGM PUMP	pH CONTROL
DAF EFFLUENT pH CONTROLLER	GREAT LAKE INSTRUMENT (GLI) MH63	AUTOMATIC CONTROL
ANOXIC TANK #1 MIXER #1	AERO2 hp/460v/TEFC	MANUAL CONTROL
ANOXIC TANK #1 MIXER #2	AERO2 hp/460v/TEFC	MANUAL CONTROL
ANOXIC #2 JET MIX PUMP	GOULDS 3196 20hp 2,000 gpm @ 28'	MANUAL CONTROL
ANOXIC #3 JET MIX PUMP	GOULDS 3196 20hp 2,000 gpm @ 28'	MANUAL CONTROL
CMAS JET AERATION PUMP	GOULDS 3180XL 100hp 11,200 gpm @ 23'	MANUAL CONTROL
CMAS JET AERATION BLOWER #1	HOFFMAN 125hp	ONE ON, WHEN MLSS IS IN TANK
CMAS JET AERATION BLOWER #2	HOFFMAN 125hp	ONE ON, WHEN MLSS IS IN TANK
CMAS SURFACE AERATOR #1	AQUA-AEROBIC 40hp	OFF, MANUAL ON IF NEEDED
CMAS SURFACE AERATOR #2	AQUA-AEROBIC 40hp	OFF, MANUAL ON IF NEEDED
CMAS SURFACE AERATOR #3	AQUA-AEROBIC 40hp	OFF, MANUAL ON IF NEEDED
CMAS D.O. METER	YSI MODEL 52	CONTINUOUS OPERATION
CLARIFIER DRIVE	.5hp/460v/TEFC	CONTINUOUS OPERATION
CLARIFIER SCUM PUMP #1	SUBMERSIBLE	AUTOMATIC OPERATION
RETURN PUMP #1	FAIRBANKS MORSE 2,000 gpm @ 25'	MANUAL OPERATION
RETURN PUMP #2	FAIRBANKS MORSE 2,000 gpm @ 25'	MANUAL OPERATION
RETURN PUMP #3	FAIRBANKS MORSE 2,000 gpm @ 25'	MANUAL OPERATION
RETURN PUMP #4	FAIRBANKS MORSE 2,000 gpm @ 25'	MANUAL OPERATION
BUILDING SUMP PUMP	110v 2" SUBMERSIBLE	AUTOMATIC OPERATION
STORMWATER		
PRIMARY STORMWATER PUMP	FAIRBANKS MORSE 5440 60hp/460v	AUTOMATIC OPERATION
SECONDARY STORMWATER PUMP #1	GORMAN RUPP T4A60 10HP	AUTOMATIC OPERATION
SECONDARY STORMWATER PUMP #2	GORMAN RUPP T4A60 10HP	AUTOMATIC OPERATION

NAME	DESCRIPTION	TYPE OF OPERATION
FINAL TREATMENT		
ALUM FEED PUMP (process#1)	PERASTALIC PUMP	MANUAL OPERATION
ALUM FEED PUMP (process#2)	PERASTALIC PUMP	MANUAL OPERATION
POLYMER TANK #1 MIXER	LIGHTNIN X6P50 1HP/220V	MANUAL CONTROL
POLYMER TANK #2 MIXER	LIGHTNIN X6P50 1HP/220V	MANUAL CONTROL
POLYMER FEED PUMP #1	GEAR PUMP VFD DRIVEN	MANUAL CONTROL
POLYMER FEED PUMP #2	GEAR PUMP VFD DRIVEN	MANUAL CONTROL
COAGULATION BASIN MIXER	LIGHTNIN 17G7.5	MANUAL CONTROL
FLOCCULATION BASIN #1 MIXER	LIGHTNIN 14Q1.5	MANUAL CONTROL
FLOCCULATION BASIN #2 MIXER	LIGHTNIN 14Q1.5	MANUAL CONTROL
DAF RECYCLE PUMP	ETS MODEL RT 240A - 20hp/460v/TEFC	MANUAL CONTROL
DAF TOP SKIMMER	1hp/460v/TEFC	MANUAL CONTROL
SLUDGE PUMP #1	NETZSCH 5HP/480v/TEFC	MANUAL CONTROL
SLUDGE PUMP #2	NETZSCH 5HP/480v/TEFC	MANUAL CONTROL
SAND FILTER PUMP #1	CASCADE 10HP/480v/TEFC	AUTOMATIC OPERATION
SAND FILTER PUMP #2	CASCADE 10HP/480v/TEFC	AUTOMATIC OPERATION
WEST SAND FILTER	DYNASAND DSF-100 - AIR OPERATED	AUTOMATIC OPERATION
EAST SAND FILTER	DYNASAND DSF-100 - AIR OPERATED	AUTOMATIC OPERATION
LARGE UV DISINFECTION UNIT	INFILCO 40LH UV - 120V 40A	AUTOMATIC OPERATION
REUSE WATER PUMP #1	GOULDS PUMP 10HP (WELL PUMP)	MANUAL OPERATION
REUSE WATER PUMP #2	GOULDS PUMP 10HP (WELL PUMP)	MANUAL OPERATION
FINAL EFFLUENT FLOW METER	ISCO 4230 BUBBLE FLOW METER	CONTINUOUS OPERATION
REFRIGERATED COMPOSITE SAMPLER	ISCO 3710R	MANUAL OPERATION
BUILDING SUMP PUMP	110v 2" SUBMERSIBLE	AUTOMATIC OPERATION
DOMESTIC TREATMENT		
SOUTH DOMESTIC LIFT STATION	CHOPPER SUMP TWO PUMPS	AUTOMATIC OPERATION
WEST DOMESTIC LIFT STATION	CHOPPER SUMP PUMP	AUTOMATIC OPERATION
EAST DOMESTIC LIFT STATION	CHOPPER SUMP TWO PUMPS	AUTOMATIC OPERATION
DOMESTIC TREATMENT SYSTEM	TIPTON ENVIRONMENTAL TEII-200-SH	AUTOMATIC OPERATION
DOMESTIC BLOWER #1	UNIVERSAL 33URAI W/ MARATHON 3hp/220v	MANUAL OPERATION
DOMESTIC BLOWER #2	UNIVERSAL 33URAI W/ MARATHON 3hp/220v	MANUAL OPERATION
SECONDARY CLARIFIER	INDUSTRIAL WASTE SYSTEMS MODEL#CLOO10TX	MANUAL OPERATION
SECONDARY CLARIFIER RETRN PUMP	SUBMERSIBLE	MANUAL OPERATION
DOMESTIC UV	INFILCO 2 SH UV - 120V 15A	AUTOMATIC OPERATION

1	OPEN
2	OPEN
3	OPEN
4	OPEN
5	OPEN
6	OPEN
7	OPEN
8	OPEN
9	OPEN
10	OPEN
11	OPEN
12	OPEN
13	OPEN
14	OPEN
15	OPEN
16	OPEN
17	OPEN
18	OPEN
19	OPEN
20	OPEN
21	OPEN
22	OPEN
23	VARIABLE
24	VARIABLE
25	OPEN

1	CLOSED
2	TURNS
3	TURNS
4	TURNS
5	TURNS
6	CLOSED
7	CLOSED
8	OPEN
10	OPEN
12	OPEN
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2	OPEN
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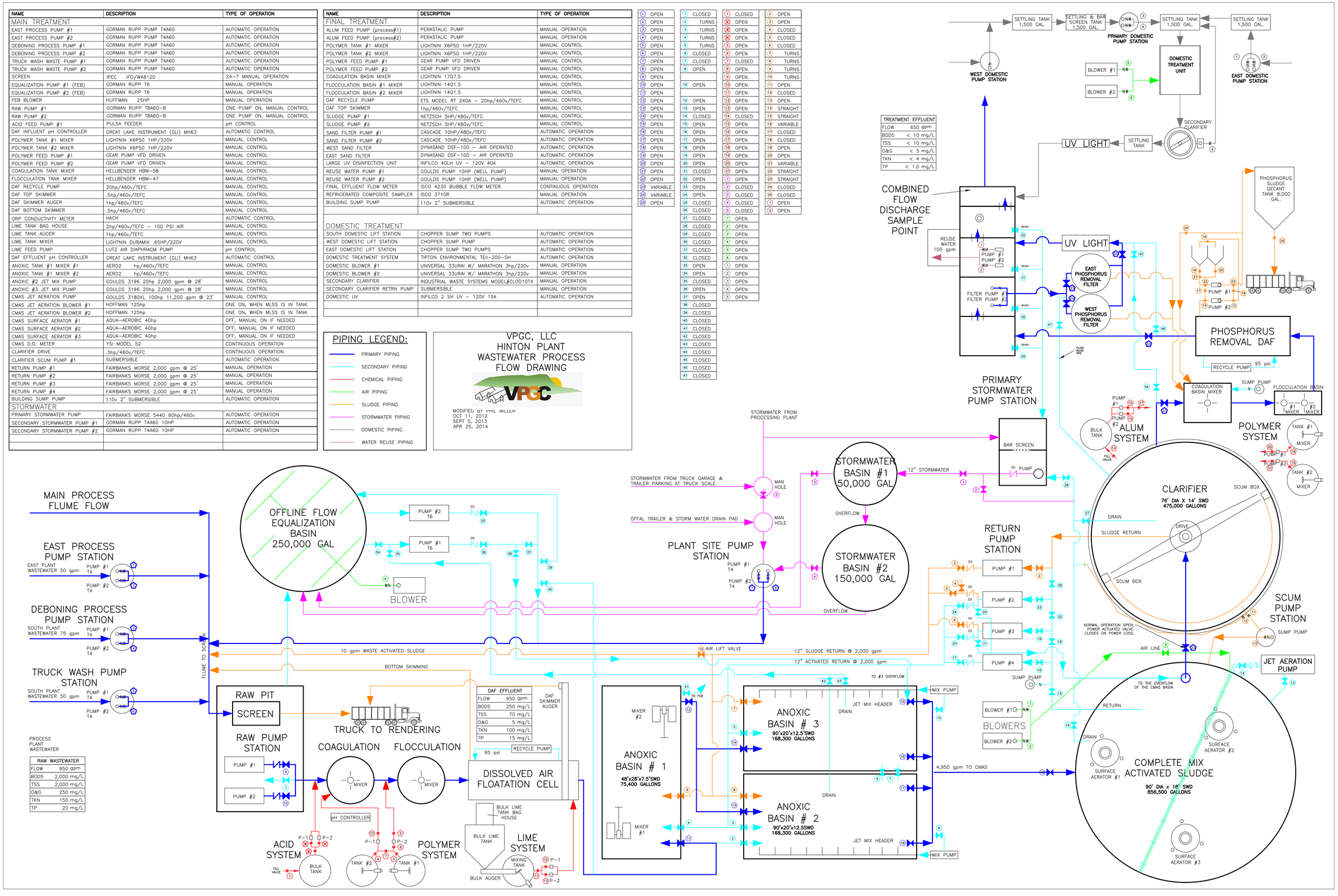
16	VARIABLE
17	CLOSED
18	CLOSED
19	OPEN
20	OPEN
21	VARIABLE
22	STRAIGHT
23	STRAIGHT
24	CLOSED
25	CLOSED
1	OPEN
2	OPEN

PIPING LEGEND:

- PRIMARY PIPING
- SECONDARY PIPING
- CHEMICAL PIPING
- AIR PIPING
- SLUDGE PIPING
- STORMWATER PIPING
- DOMESTIC PIPING
- WATER REUSE PIPING

VPGC, LLC
HINTON PLANT
WASTEWATER PROCESS
FLOW DRAWING

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