

DESCRIPTION

ELECTRICAL & PHYSICAL DRAWING INDEX

ONE LINE
SITE PLAN
NOT USED
NOT USED

TRANSFORMER "A1", MCC-A1, INFLUENT SCREW PUMP #1 & #2 SCHEMATIC DIAGRAM
TRANSFORMER "A1", MCC-A1, 120V BREAKER PANEL IN SCREW ROOM
TRANSFORMER "A1", MCC-A1, RAKE CONTROLS #1 & #2 SCHEMATIC DIAGRAM
TRANSFORMER "A1", MCC-A1, GATE OPER, AIR COMP, MECH BAR SCREEN SCHEM
TRANSFORMER "A1", MCC-A1, GRIT TANK #1 & #2 SCHEMATIC DIAGRAM
TRANSFORMER "A1", MCC-A1, GRIT TANK CONTROL SCHEMATIC DIAGRAM
TRANSFORMER "A1", MCC-A1, CHAPMAN VALVE, FAN, GARAGE DOORS, ODOR BLOWER
NOT USED
NOT USED

TRANSFORMER "A2", MCC-A2, PREARATION BLOWERS & HEATERS SCHEMATIC
TRANSFORMER "A2", MCC-A2, LIGHTING PANEL & CLARIFIER DRIVES SCHEMATIC
TRANSFORMER "A2", MCC-A2, INTAKE FAN, SCUM PUMPS, SLUDGE PUMP #1 SCHEM
TRANSFORMER "A2", MCC-A2, SLUDGE PUMP #2, SCUM COL, GARAGE DOOR, OUTDOOR LTG SCHEM
TRANSFORMER "A2", MCC-A2, SLUDGE PUMPS, SLUDGE HEATERS, BKR PNL SCHEM
TRANSFORMER "A2", MCC-A2, SLUDGE COLLECTORS & LIGHTING PANEL SCHEMATIC
TRANSFORMER "A2", MCC-A2, DOOR HOIST, WELDER, BKR PNL SCHEMATIC
TRANSFORMER "A2", MCC-A2, LIGHTING PANEL SCHEMATIC
TRANSFORMER "A2", MCC-A2, LTG PNL & LAB BKR PNL SCHEMATIC
TRANSFORMER "A2", MCC-A2, ALARM CAB BKR PNL & UTILITY ROOM BKR PNL SCHEM
TRANSFORMER "A2", MCC-A2, PUMP CONTROLS, FAN, FURNACE BLWR, LTG SCHEM
NOT USED
NOT USED
NOT USED
NOT USED

TRANSFORMER "B", MCC-B, SCREW PUMPS SCHEMATIC DIAGRAM
TRANSFORMER "B", MCC-B1, AERATION TANKS SCHEMATIC DIAGRAM
TRANSFORMER "B", MCC-B1, AERATION TANKS SCHEMATIC DIAGRAM
TRANSFORMER "B", MCC-B1, LIGHTING PANEL SCHEMATIC DIAGRAM
TRANSFORMER "B", MCC-B1, LIGHTING PANEL SCHEMATIC DIAGRAM
NOT USED
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NOT USED
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NOT USED

TRANSFORMER "C", MCC-C, SCREW PUMPS SCHEMATIC DIAGRAM
TRANSFORMER "C", MCC-C, LUBRICATOR, SUMP & CIRCULATING PUMPS SCHEMATIC
TRANSFORMER "C", MCC-C, AIR COMP, CHEMICAL MIXER, SCR MOTORS SCHEM
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED

TRANSFORMER "D1", MCC-D1A, RECIRCULATING PUMP #1 & #2 SCHEM
TRANSFORMER "D1", MCC-D1A, BOILERS & DRAINAGE PIT SCHEMATIC
TRANSFORMER "D1", MCC-D1A, DIGESTER FEED PUMPS, SUMP PUMP & GRINDER SCHEM
TRANSFORMER "D1", MCC-D1A, WET WELL MIXERS & SUPERNATING PUMPS SCHEM
TRANSFORMER "D1", MCC-D1A, DIGESTER GAS COMPRESSORS SCHEMATIC
TRANSFORMER "D1", MCC-D1A, GARAGE DOORS, AIR COMP, WASH PUMP SCHEM
TRANSFORMER "D1", MCC-D1A, LIGHTING PANEL SCHEMATIC DIAGRAM
TRANSFORMER "D1", MCC-D1A, LIGHTING PANEL & RECIRCULATING PUMPS SCHEM
TRANSFORMER "D1", MCC-D1A, TRANSFER PUMP & METERING PUMPS SCHEMATIC
TRANSFORMER "D1", MCC-D1A, BLOWER MOTORS SCHEMATIC DIAGRAM
NOT USED
NOT USED

TRANSFORMER "D1", MCC-D1B, MIXER MOTORS & SST PUMPS SCHEMATIC
TRANSFORMER "D1", MCC-D1B, BOILERS #1 & #2 SCHEMATIC DIAGRAM
TRANSFORMER "D1", MCC-D1B, GARAGE DOORS, BLOWERS, SUMP PUMP SCHEMATIC
TRANSFORMER "D1", MCC-D1B, LIGHTING PANEL SCHEMATIC DIAGRAM
TRANSFORMER "D1", MCC-D1B, INCLINE MOTORS, AIR COMP, LTG PNL SCHEMATIC
TRANSFORMER "D1", MCC-D1B, LTG PNL, XFMR, EXHAUST FAN SCHEMATIC
TRANSFORMER "D1", MCC-D1B, CONVEYOR MOTORS, THICKENERS, FILTER PRESS SCHEM
TRANSFORMER "D1", MCC-D1B, GRAVITY BELT THICKENER CONTROL SCHEMATIC
TRANSFORMER "D1", MCC-D1B, BELT FILTER PRESS CONTROL SCHEMATIC
TRANSFORMER "D1", MCC-D1B, FILTRATE PUMPS & DISCHARGE PUMPS SCHEMATIC
NOT USED
NOT USED

TRANSFORMER "D2", MCC-D2A1, EXHAUST FAN, SUMP PUMP, UV SYSTEM SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, SLUDGE BLENDING TANKS, GBTF PUMP #1 SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, GBTF PUMPS, HOT WATER CIRC. PUMPS SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, SLUDGE CIRC. PUMPS, 10 KVA TR. SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, LIGHTING PANEL SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, LIGHTING PANEL, BFPF PUMPS, SCHEMATIC
TRANSFORMER "D2", MCC-D2A1, & MCC-D2A2 & MCC-D2B SCHEMATIC
TRANSFORMER "D2", MCC-D2B, RAS PUMPS SCHEMATIC DIAGRAM
TRANSFORMER "D2", MCC-D2B, SUMP PUMPS & AIR COMPRESSOR SCHEM
TRANSFORMER "D2", MCC-D2B, PLANT EFFLUENT PUMPS SCHEMATIC
TRANSFORMER "D2", MCC-D2B, HIGH RIVER PUMPS, HW CIRC. PUMPS SCHEMATIC
TRANSFORMER "D2", MCC-D2B, HOIST, EXHAUST FAN, MAKE-UP UNIT SCHEM
TRANSFORMER "D2", MCC-D2B, SECONDARY CLARIFIERS #1, #2, & #3 SCHEMATIC
TRANSFORMER "D2", MCC-D2B, SECONDARY CLARIFIERS #4, & #5 SCHEMATIC
TRANSFORMER "D2", MCC-D2B, GATE VALVE & 120V TRANSFORMER SCHEMATIC
TRANSFORMER "D2", MCC-D2B, LIGHTING PANEL SCHEMATIC DIAGRAM
TRANSFORMER "D2", MCC-D2B, 25 KVA TR. SCHEMATIC DIAGRAM
TRANSFORMER "D2", MCC-D2B, LIGHTING PANEL, MONITORING CABT. SCHEMATIC DIAGRAM

NOT USED
TRANSFORMER "E1", MCC-E1, AERATION TANK & RETENTION TANK BLOWERS SCHEMATIC
TRANSFORMER "E2", MCC-E2, AERATION TANK & RETENTION TANK BLOWERS SCHEMATIC
TRANSFORMER "E2", MCC-E2, CIRCUIT BREAKER PANEL SCHEMATIC
TRANSFORMER "E2", MCC-E2, CENTRAL CONTROLLERS SCHEMATIC
NOT USED

NOT USED
TRANSFORMER "F1", MCC-F1, RETENTION TANKS SCHEMATIC
TRANSFORMER "F1", MCC-F1, (FUTURE) AERATION/MIXING MOTORS SCHEMATIC
TRANSFORMER "F2", MCC-F2, RETENTION TANKS SCHEMATIC
TRANSFORMER "F2", MCC-F2, (FUTURE) SLUICE GATEA & AERATION/MIXING MOTORS SCHEM
TRANSFORMER "F2", MCC-F2, (FUTURE) AERATION/MIXING MOTORS & 120VAC SCHEM

SHEET NUMBER

EP1A & EP1B
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EP3
EP4
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EP137
EP138
EP139

DESCRIPTION

TRANSFORMER "A1" LAYOUT, LOCATED BY MAIN BLDG
TRANSFORMER "A1", MCC-A1 LAYOUT, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", LIGHTING PNL & I/O MONITOR L/O, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", RAKE CONTROLS & AIR COMP L/O, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", BLOW DOWN PANEL, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", JUNCTION BOX LAYOUT, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", OVERALL CABINET LAYOUT, SCREEN BLDG (SCREW ROOM)
TRANSFORMER "A1", VALVE SWITCH, TOP OF CHAPMAN VALVE PLATFORM
TRANSFORMER "A1", YARD LIGHTING, OUTSIDE SCREEN BLDG
TRANSFORMER "A1", GATE VALVE CONTROLS, RAW SEWAGE SCREW PLATFORM
TRANSFORMER "A1", RAW RAKE CONTROLS & MISC, SCREEN BLDG (RAW RAKE ROOM)
TRANSFORMER "A1", GRIT TANK CONTROLS, SCREEN BLDG (GRIT TANKS)
TRANSFORMER "A1", JUNCTION BOX LAYOUT, SCREEN BLDG (GRIT ROOM)
TRANSFORMER "A1", GAS MON., DEWATERING GRIT COLLECTORS, CONVEYOR CONTROLS, SCREEN BLDG (GRIT ROOM)
NOT USED
NOT USED

TRANSFORMER "A2", LAYOUT, LOCATED BY PREAERATION TANKS
TRANSFORMER "A2", MCC-A2, ON TOP OF PREAERATION TANKS
TRANSFORMER "A2", BREAKER PANEL LAYOUTS, PRIMARY SLUDGE BLDG #2
TRANSFORMER "A2", INTAKE FAN, SLUDGE, & SCUM CONTROL L/O, PRIMARY SLUDGE BLDG #2 (LOWER LEVEL)
TRANSFORMER "A2", INTAKE FAN, SLUDGE, & SCUM CONTROL L/O, PRIMARY SLUDGE BLDG #2 (UPPER LEVEL)
TRANSFORMER "A2", UPDRIVE CONTROL LAYOUTS, CLARIFIER TANKS #7 & #8
TRANSFORMER "A2", SKIMMER & GARAGE DOOR SW L/O, PRIMARY SLUDGE BLDG #2 (SKIMMER ROOM)
TRANSFORMER "A2", JB'S & LTG SW L/O, OUTSIDE OF CLARIFIER TANK #6 & PRIMARY SLUDGE BLDG #1
TRANSFORMER "A2", LTG PNL, WELDER, & DOOR HOIST SW L/O, INSIDE GARAGE ON MIDDLE WALL
TRANSFORMER "A2", TRANSFORMER & DISC SW L/O, MAIN BLDG (NORTH WALL)
TRANSFORMER "A2", SLUDGE PUMP & SUMP PUMP CONTROL LAYOUT, PRIMARY SLUDGE BLDG #1
TRANSFORMER "A2", MONITOR PNL, BKR PNLS, RAW SLUDGE PUMPS, & MISC., PRIMARY SLUDGE BLDG #1 (UPPER LEVEL)
TRANSFORMER "A2", JUNCTION BOX & RIVER LEVEL INDICATOR LAYOUT, OUTSIDE OF PREAERATION TANK #3
TRANSFORMER "A2", SLUDGE COLLECTOR DRIVE LAYOUTS, CLARIFIER TANKS #1 THRU #6
TRANSFORMER "A2", ALARM CABINET LAYOUT, LOCATED IN MAIN BLDG.
TRANSFORMER "A2", ALARM CABINET INTERNAL LAYOUT, LOCATED IN MAIN BLDG.
TRANSFORMER "A2", PUMP, BLOWER, & MISC CONTROL LAYOUTS, MAIN BLDG. (BOILER ROOM)
TRANSFORMER "A2", COMP MOTORS & VACUUM PUMP MOTOR LAYOUT, MAIN BLDG. (BOILER ROOM)
TRANSFORMER "A2", UTILITY ROOM LAYOUT, MAIN BLDG. (FIRST FLOOR)
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED

TRANSFORMERS "B" & "C" LAYOUT, LOCATED OUTSIDE PRIMARY GALLERY BLDG.
TRANSFORMER "C", SUMP PUMP & RECIRC PUMP LAYOUTS, PRIMARY GALLERY BLDG.
TRANSFORMER "B", THERMOSTAT & JB LAYOUT, PRIMARY GALLERY BLDG.
TRANSFORMER "C", PHONE SYSTEM & AIR COMP LAYOUT, PRIMARY GALLERY BLDG
TRANSFORMER "C", ELEVATOR MOTOR LIFT STATION LAYOUT, PRIMARY GALLERY BLDG
TRANSFORMERS "B" & "C", MCC-B1 & MCC-C LAYOUT, PRIMARY GALLERY BLDG.
TRANSFORMERS "B" & "C", LIGHTING PNL & MONITOR CAB LAYOUT, PRIMARY GALLERY BLDG SECOND FLOOR
TRANSFORMER "C", CHEMICAL MIXER LAYOUTS, PRIMARY GALLERY BLDG SECOND FLOOR
TRANSFORMERS "B" & "C", MCC-B2 LAYOUT, PRIMARY GALLERY BLDG
TRANSFORMER "C", JUNCTION BOX LAYOUT, AERATION TANK WALL
TRANSFORMERS "B" & "C", EXHAUST FAN & JUNCTION BOX LAYOUT, PRIMARY GALLERY BLDG 1ST STAGE SCREW PUMP ROOM
TRANSFORMERS "B" & "C", SCREW PUMP & LUBE MOTOR CONTROLS LAYOUT, PRIMARY GALLERY BLDG 1ST STAGE SCREW ROOM
TRANSFORMERS "B" & "C", JUNCTION BOX LAYOUT, PRIMARY GALLERY BLDG 2ND STAGE SCREW PUMP ROOM
TRANSFORMERS "B" & "C", SCREW PUMP CONTROLS LAYOUT, PRIMARY GALLERY BLDG 2ND STAGE SCREW ROOM
TRANSFORMER "B", ELEVATOR LAYOUT, PRIMARY GALLERY BLDG
TRANSFORMERS "B" & "C", JUNCTION BOX MTD. OUTSIDE NE CORNER PRIMARY GALLERY BLDG
NOT USED
NOT USED
NOT USED
NOT USED

TRANSFORMER "D1" LAYOUT, LOCATED BY SOLIDS HANDLING BLDG.
TRANSFORMER "D1" LAYOUT 480V CABLE RUN, SOLIDS HANDLING BLDG.
TRANSFORMER "D1" - MOTOR CONTROL CENTER "D1A", SOLIDS HANDLING BLDG. - MCC ABOVE GROUND CONDUIT
TRANSFORMER "D1" - MOTOR CONTROL CENTER "D1A", SOLIDS HANDLING BLDG. - MCC UNDERGROUND CONDUIT
TRANSFORMER "D1", RECIRCULATING PUMP LAYOUTS, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", BOILER CONTROL LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", BOILER CONTROL LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", WATER HEATER CKT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", AIR COMP & GARAGE DOOR LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", SUMP PUMP CONTROL LAYOUT, DRAINAGE PUMP CHAMBER
TRANSFORMER "D1", CONTROL CABINET & PUMP SW LAYOUT, SOUTH END OF TUNNEL
TRANSFORMER "D1", SLUDGE STORAGE TANK PUMP CONTROL, NORTH OF OLD FILTER BLDG.
TRANSFORMER "D1", THICKENED SLUDGE WET WELL MIXERS LAYOUT, SLUDGE HOLDING TANK
TRANSFORMER "D1", GAS COMP. CONTROL CABINET LAYOUT, DIGESTER BLDG. 1ST FLOOR
NOT USED

TR. "D1", MAG METERS, SUMP PUMP, BOTTOM OF STAIRS INTO TUNNEL, SOLIDS HANDLING BLDG.

NOT USED
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED

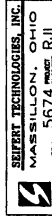
TRANSFORMER "D1" MOTOR CONTROL CENTER "D1B", SOLIDS HANDLING BLDG. - MCC LAYOUT
TRANSFORMER "D1", WALL MTD. RECEPTACLE LOCATED IN SOLIDS HANDLING BLDG (EAST WALL)
TRANSFORMER "D1", ALARM PANEL LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", MONITORING PANEL LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", BREAKER PANEL, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", SIDESTREAM STORAGE TANK PUMP LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", SOLIDS HANDLING BLDG. LOCATED AT END OF DECANT TUNNEL
TRANSFORMER "D1", TEMPERATURE CONTROLS & JB LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", CENTER ROOM, WEST WALL LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", CONVEYOR BELT CONTROL CENTER LAYOUT, SOLIDS HANDLING BLDG.
TRANSFORMER "D1", BOILER CONTROL LAYOUT, SOLIDS HANDLING BLDG. (WEST WALL)
NOT USED

TRANSFORMER "D1", CIRCULATING PUMP, MAKE-UP UNIT, AIR COMP LAYOUT, SOLIDS HANDLING BLDG.

NOT USED
NOT USED
NOT USED
NOT USED
NOT USED
NOT USED

SHEET NUMBER

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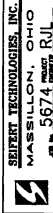


DESIGNED BY	STI/RRR	DRAWN BY	STI/TSS	CHECKED BY	STI/RLL	APPROVED BY	STI/RLL	REVISIONS			
								NO.	DESCRIPTIONS	DATE	BY
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ENVIRONMENTAL, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
UNIONTOWN, OHIO

CITY OF MASSILLON, OHIO
WWTP UPGRADE 2000
ELECTRICAL & PHYSICAL DRAWING INDEX

JOB NO. E9031
DATE 8/14/01
SCALE N/A
SHEET EPIA

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DESIGNED BY		REVISIONS			
NO.	STI/RRR	DESCRIPTIONS	DATE	BY	APP'D
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	APPROVED BY				
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ENGINEERS IN WATER AND EARTH SCIENCES
UNIONTOWN, OHIO

CITY OF MASSILLON, OHIO
WWTP UPGRADE 2000
ELECTRICAL & PHYSICAL DRAWING

JOB NO.
E9031
DATE
8/15/01
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N/A
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