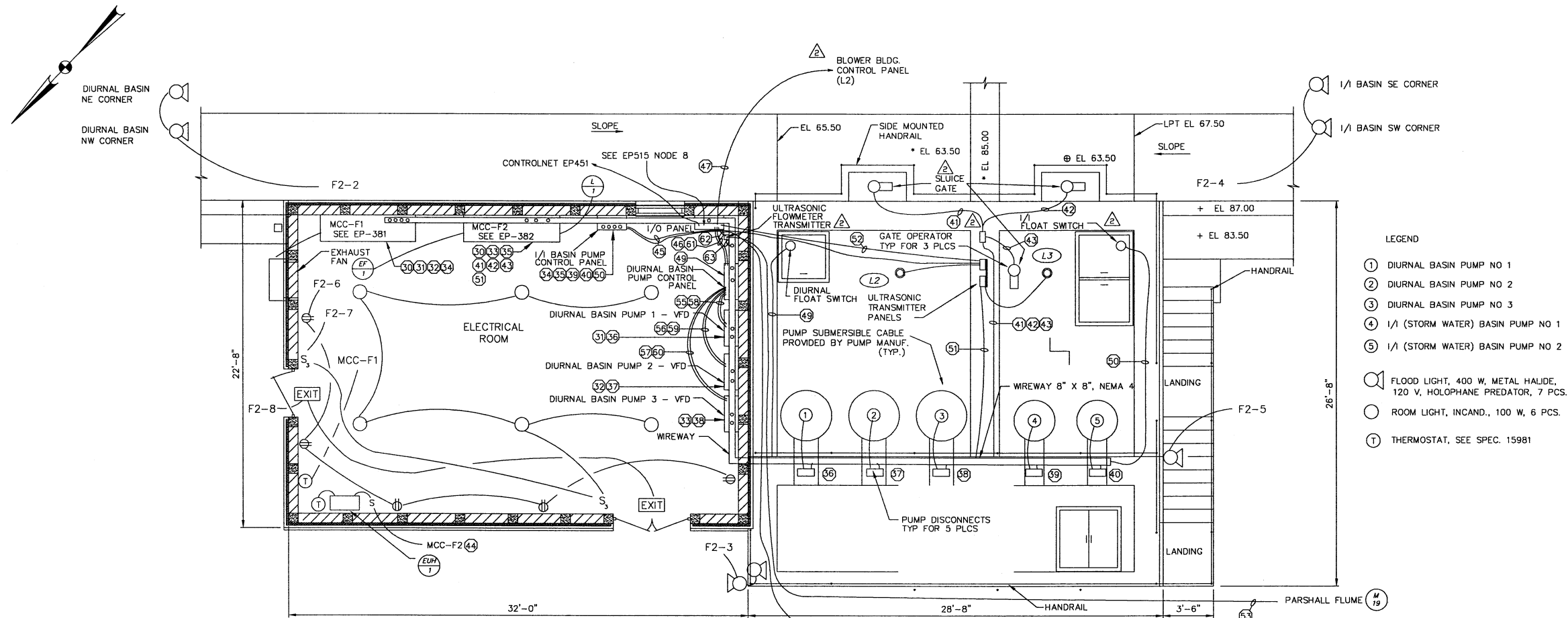




- LEGEND
- ① DIURNAL BASIN PUMP NO 1
 - ② DIURNAL BASIN PUMP NO 2
 - ③ DIURNAL BASIN PUMP NO 3
 - ④ 1/1 (STORM WATER) BASIN PUMP NO 1
 - ⑤ 1/1 (STORM WATER) BASIN PUMP NO 2
 - ☉ FLOOD LIGHT, 400 W, METAL HALIDE, 120 V, HOLOPHANE PREDATOR, 7 PCS.
 - ROOM LIGHT, INCAND., 100 W, 6 PCS.
 - Ⓣ THERMOSTAT, SEE SPEC. 15981

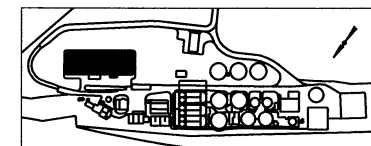
NOTES - UNLESS SPECIFIED ELSEWHERE

- 1 ALL CONDUIT SHALL BE 3/4"
- 2 ALL CONDUCTORS SHALL BE #12 AWG
- 3 ALL SIGNAL CABLE SHALL BE 2 C TWISTED SHIELDED, 300 V
- 4 LIGHT FIXTURES SHALL INCLUDED ALL MOUNTING HARDWARE

TOP PLAN
SCALE: 1/4"=1'-0"

- CONDUIT AND WIRE SCHEDULE
- ① MCC-F1 TO MCC-F2 TIE VIA WIREWAY: 3 - #4/0, #4 GND IN 2 1/2" CONDUIT
 - ② MCC-F1 TO VFD VIA WIREWAY - DIURNAL PUMP 1: 3-#1/0, 1-#6 GND IN 1 1/2" CONDUIT
 - ③ MCC-F1 TO VFD VIA WIREWAY - DIURNAL PUMP 2: 3-#1/0, 1-#6 GND IN 1 1/2" CONDUIT
 - ④ MCC-F2 TO VFD VIA WIREWAY - DIURNAL PUMP 3: 3-#1/0, 1-#6 GND IN 1 1/2" CONDUIT
 - ⑤ MCC-F1 TO 1/1 CONTROL PANEL VIA WIREWAY: 3-#6, 1-#8 GND IN 1" CONDUIT
 - ⑥ MCC-F2 TO 1/1 CONTROL PANEL VIA WIREWAY: 3-#6, 1-#8 GND IN 1" CONDUIT
 - ⑦ VFD TO LOCAL DISCONNECT VIA WIREWAY - DIURNAL PUMP 1: 3 - #1/0, 1-#6 GND, 6-#14 IN 1 1/2" CONDUIT
 - ⑧ VFD TO LOCAL DISCONNECT VIA WIREWAY - DIURNAL PUMP 2: 3 - #1/0, 1-#6 GND, 6-#14 IN 1 1/2" CONDUIT
 - ⑨ VFD TO LOCAL DISCONNECT VIA WIREWAY - DIURNAL PUMP 3: 3 - #1/0, 1-#6 GND, 6-#14 IN 1 1/2" CONDUIT
 - ⑩ 1/1 CONTROL PANEL TO LOCAL DISCONNECT VIA WIREWAY - 1/1 PUMP #1: 1-#8 GND IN 1" CONDUIT
 - ⑪ 1/1 CONTROL PANEL TO LOCAL DISCONNECT VIA WIREWAY - 1/1 PUMP #2: 1-#8 GND IN 1" CONDUIT
 - ⑫ MCC-F2 TO SLUICE GATE 1: 3/4" CONDUIT ONLY, WIRE FUTURE
 - ⑬ MCC-F2 TO SLUICE GATE 2: 3/4" CONDUIT ONLY, WIRE FUTURE
 - ⑭ MCC-F2 TO SLUICE GATE 3: 3/4" CONDUIT ONLY, WIRE FUTURE
 - ⑮ MCC-F2 TO HEATER (EWH-1): 3-#8, 1-#12 GND IN 1" CONDUIT
 - ⑯ 1/1 CONTROL PANEL TO I/O MONITOR: 8-#14, 1-#14 GND IN 3/4" CONDUIT
 - ⑰ DIURNAL CONTROL PANEL TO I/O MONITOR: 1-#18-2C-SHD IN 1" CONDUIT
 - ⑱ I/O MONITOR TO BLOWER BUILDING: 1-#18-2C-SHD IN 1" CONDUIT
 - ⑲ 1/1 CONTROL PANEL TO FAB. GATE AT GRIT TANK: 2-#12, 1-#14 GND IN 1" CONDUIT
 - ⑳ DIURNAL FLOAT SWITCH TO DIURNAL CONTROL PANEL: 2-#12, #14 GND IN 3/4" CONDUIT
 - ㉑ 1/1 FLOAT SWITCH TO 1/1 CONTROL PANEL: 2-#12, #14 GND IN 3/4" CONDUIT
 - ㉒ BREAKER PANEL TO ULTRASONIC LEVEL METERS: 1-#12, 1-#12 NEUT, 1-#14 GND IN 3/4" CONDUIT
 - ㉓ L2 & L3 TO I/O MONITOR: 2-#18-2C-SHD IN 3/4" CONDUIT
 - ㉔ M19 TO READOUT: TRANSMITTER MANUFACTURER CABLE IN 1" CONDUIT
 - ㉕ BREAKER PANEL TO ULTRASONIC FLOWMETER READOUT: 2-#12, 1-#14 GND IN 3/4" CONDUIT
 - ㉖ DIURNAL CONTROL PANEL TO VFD-1: 2-#18-2C-SHD IN 3/4" CONDUIT
 - ㉗ DIURNAL CONTROL PANEL TO VFD-2: 2-#18-2C-SHD IN 3/4" CONDUIT
 - ㉘ DIURNAL CONTROL PANEL TO VFD-3: 2-#18-2C-SHD IN 3/4" CONDUIT
 - ㉙ DIURNAL CONTROL PANEL TO VFD-1: 10-#14 IN 3/4" CONDUIT
 - ㉚ DIURNAL CONTROL PANEL TO VFD-2: 10-#14 IN 3/4" CONDUIT
 - ㉛ DIURNAL CONTROL PANEL TO VFD-3: 10-#14 IN 3/4" CONDUIT
 - ㉜ DIURNAL CONTROL PANEL TO I/O MONITOR: 12-#14, 1-#14-GND IN 3/4" CONDUIT
 - ㉝ ULTRASONIC FLOWMETER TRANSMITTER TO I/O MONITOR: 1-#18-2C-SHD IN 3/4" CONDUIT
 - ㉞ BREAKER PANEL TO ULTRASONIC FLOWMETER TRANSMITTER VIA WIREWAY: 1-#12, 1-#12 NEUT, 1#14 GND IN 3/4" CONDUIT

NOTE - RELEASED ORIGINALLY IN ADDENDUM NO. 3



KEY PLAN

SEIPEL TECHNOLOGIES, INC.
MASSILLON, OHIO
JOB NO. 5674
REVISED R.J.L.

DESIGNED BY	NO.	DESCRIPTIONS	DATE	BY	APP'D
M/GW	1	ADDENDUM NO. 3	9/28/01	R.J.L.	
A.J.P.	2	REVISED FOR CONSTRUCTION	5/2/03	LMC R.J.L.	
CHECKED BY					
M/GW					
APPROVED BY					
WAD					

ENVIRONMENTAL, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
UNIONTOWN, OHIO



CITY OF MASSILLON, OHIO
WWTP UPGRADE 2000
RETENTION BASIN PUMPING STATION
CONDUIT LAYOUT - PLAN VIEW

JOB NO.
E9031
DATE
9/25/01
SCALE
AS NOTED
SHEET
EP383-2