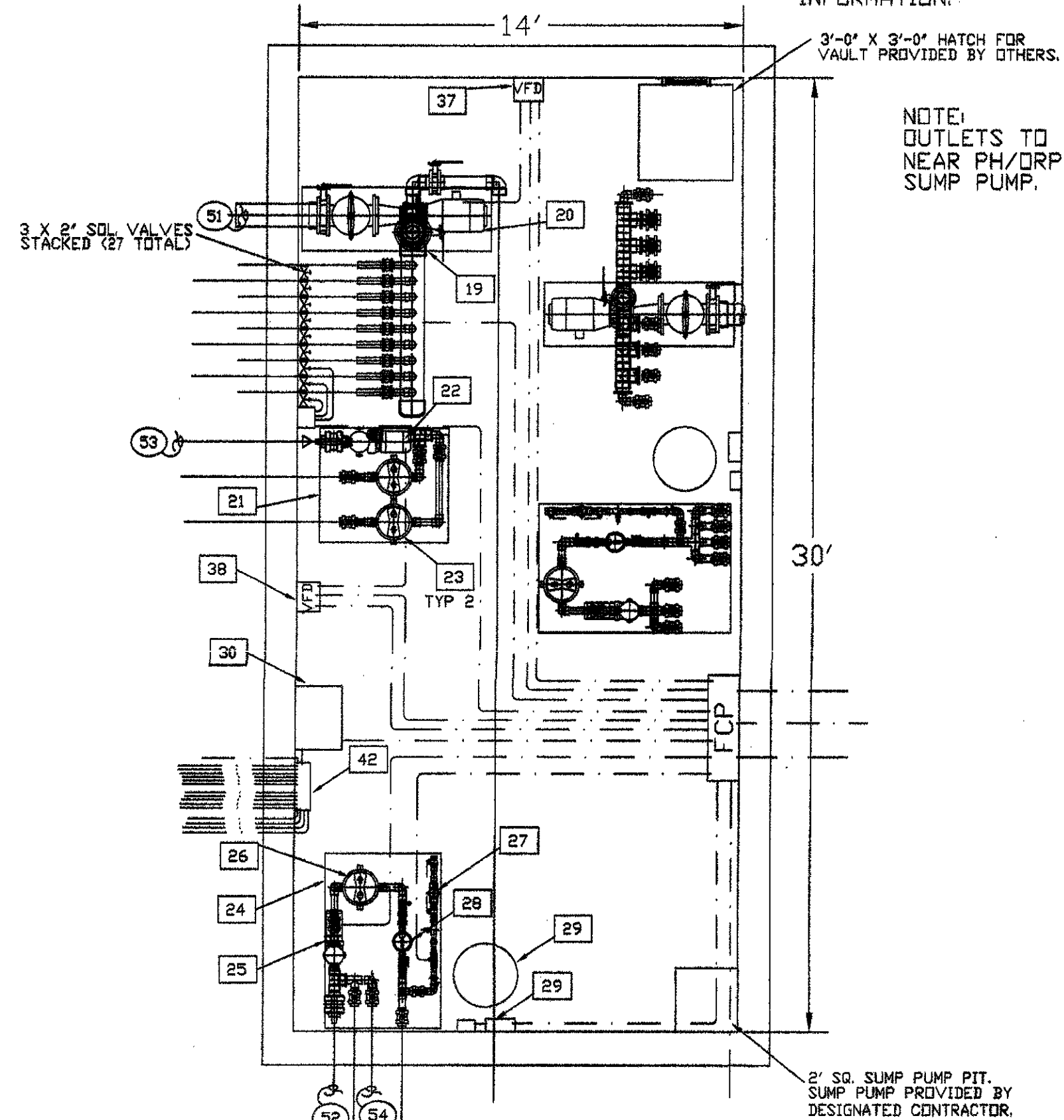


NOTE:
 PROPER VENTILATION AND
 DRAINAGE MUST BE PROVIDED
 IN PUMP ROOM PER CODE.

NOTE:
 SEE ELECTRICAL DRAWINGS
 FOR POWER, VAULT LIGHTING,
 SUMP PUMP AND VENTILATION
 INFORMATION.

NOTE:
 OUTLETS TO BE PROVIDED
 NEAR PH/ORP SYSTEM AND
 SUMP PUMP.

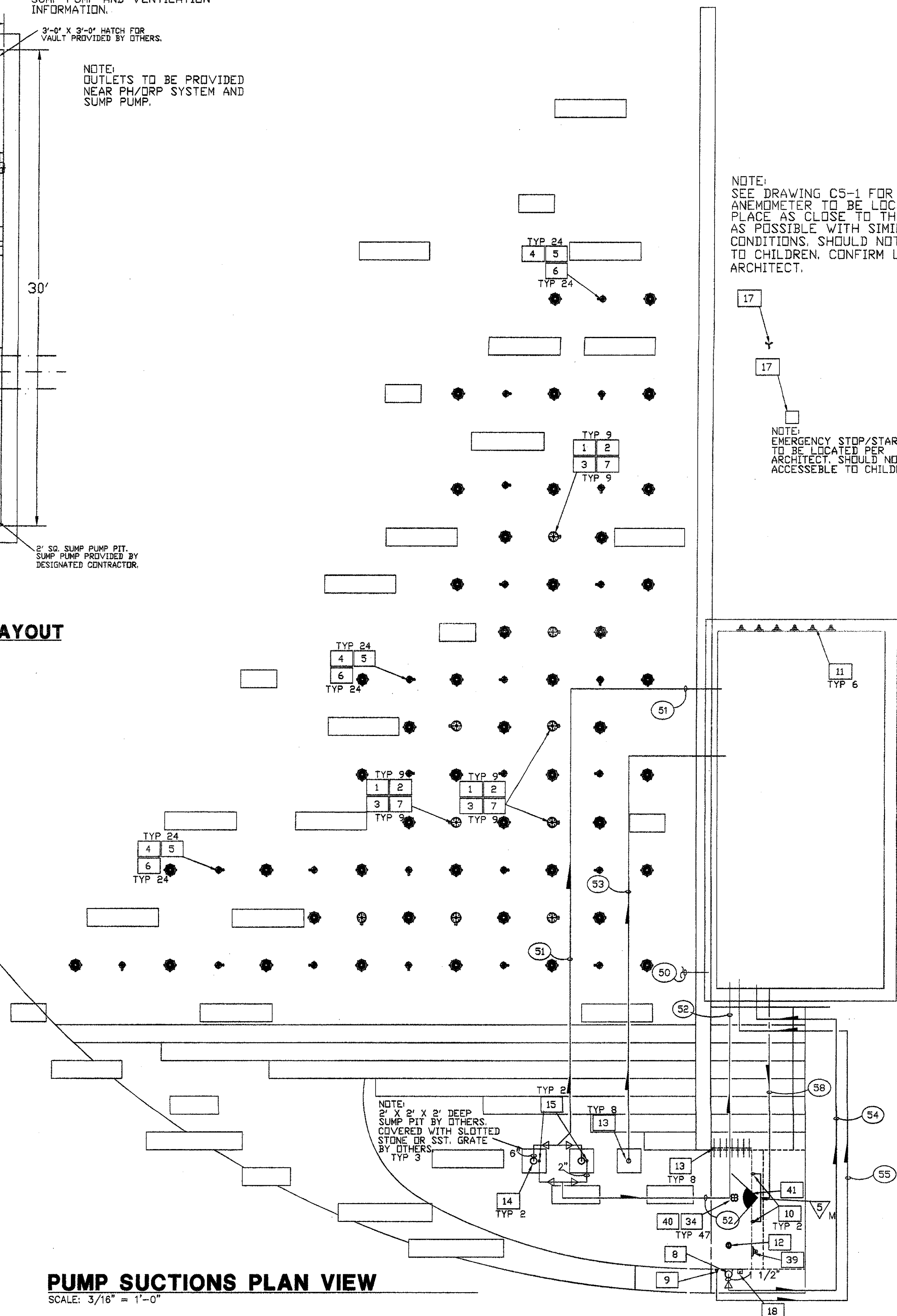


**PLAZA INTERACTIVE
 MECHANICAL PUMP LAYOUT**
 SCALE: 1/4" = 1'-0"

NOTE:
 SEE DRAWING C5-1 FOR LOCATION.
 ANEMOMETER TO BE LOCATED IN
 PLACE AS CLOSE TO THE FOUNTAIN
 AS POSSIBLE WITH SIMILAR WIND
 CONDITIONS. SHOULD NOT BE ACCESSIBLE
 TO CHILDREN. CONFIRM LOCATION WITH
 ARCHITECT.

NOTE:
 EMERGENCY STOP/START
 TO BE LOCATED PER
 ARCHITECT. SHOULD NOT BE
 ACCESSIBLE TO CHILDREN.

PUMP SUCTIONS PLAN VIEW
 SCALE: 3/16" = 1'-0"



**ADDISON CIRCLE ARTS (D)
 PLAZA INTERACTIVE MIST AND JET WATER FEATURE
 EQUIPMENT LIST**

NO.	DETAIL	ITEM DESCRIPTION	QTY
1	A-F2-5	GEFCO SELECT #SE112-20 INDEPENDENT AERATING JET: 3/16" NOZZLE SIZE, 2" FEMALE NPT. CONNECTION.	9
2	A-F2-5	GEFCO CUSTOM FLOW STRAIGHTENER.	9
3	A-F2-5	GEFCO CUSTOM AERATION JET SLEEVE CAN: 2" NPT. FEMALE BOTTOM CONN., 2" NPT. FEMALE SIDE CONN.	9
4	B-F2-5	GEFCO SELECT #SE1/2"-C-35W MISTING JET: 1/2" MALE NPT. CONNECTION.	24
5	B-F2-5	GEFCO CUSTOM FLOW STRAIGHTENER.	24
6	B-F2-5	GEFCO CUSTOM MISTING JET SLEEVE CAN: 1/2" NPT. FEMALE BOTTOM CONN., 1" NPT. FEMALE SIDE CONN.	24
7	A-F2-5	GEFCO SELECT #SE137-20 ADJUSTMENT FLANGE: 2" MALE AND FEMALE NPT. CONN., 5' ADJ.	1
8	C-F2-5	GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.S. FEMALE CONNECTION.	1
9	D-F2-5	GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	1
10	E-F2-5	GEFCO #PE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2
11	F-F2-5	GEFCO #PE105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	6
12	G-F2-5	GEFCO #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	1
13	H-F2-5	GEFCO #PE108-60P SLAB PENETRATION: 4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	8
14	H-F2-5	GEFCO #PE108-80P SLAB PENETRATION: 4" DIA. X 24" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2
15	H-F2-5	GEFCO #PE108-20P SLAB PENETRATION: 2" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2
16	X	GEFCO #PE111 MAINTENANCE KIT.	1
17	J-F2-5	GEFCO #PE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION.	1
18	K-F2-5	GEFCO SELECT #SE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
19	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
20	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 654 GPM AT 70 FH, 208 V. 3P 1750 RPM, 60 HZ.	1
21	X	GEFCO #SK103-200 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	X	GEFCO SELECT #FM113 FILTER PUMP: 3 HP., 120 GPM. AT 55 FH, 208V., 3P, 3450 RPM, 60HZ.	1
23	X	GEFCO SELECT #FM900-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	2
24	X	GEFCO #SK103-150 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	X	GEFCO SELECT #FM112 FILTER PUMP: 3 HP., 100 GPM. AT 55 FH, 208V., 3P, 3450 RPM, 60HZ.	1
26	X	GEFCO SELECT #FM900-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	1
27	X	GEFCO #FM800-15 WATER CONTROL MANIFOLD; AUTOMATIC FILL/LEVEL CONTROL MANIFOLD.	1
28	X	GEFCO SELECT #PM1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
29	X	GEFCO SELECT #PM1750PH/ORP EROSION CONTROLLER.	1
30	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
31	L-F2-5	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	5
32	L-F2-5	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
33	L-F2-5	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	4
34	L-F2-5	GEFCO SELECT EE137-4 JUNCTION BOX: 5 KVA, 120 PRIM., 16/32 SEC.	47
35	X	PLAZA NICHE LIGHTS BY DESIGNATED CONTRACTOR	46
36	X	X	-
37	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3P, FOR 15 HP PUMP.	1
38	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3P, FOR 3 HP PUMP.	1
39	F-F2-5	GEFCO #PE105-4 WALL NICHE OVERFLOW: 4" FEMALE NPT. CONNECTION.	1
40	L-F2-5	GEFCO SELECT EE138-1 DECK BOX: (1) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	1
41	X	LOWER POOL LIGHT BY DESIGNATED CONTRACTOR	1
42	X	GEFCO SELECT LIGHTING PANEL: 225 MAIN BUSS-BREAKER, 12 SPACE, 240/120V, 2POLE.	1
43	X	GEFCO SELECT E/STOP/ START/STOP PUSH BUTTON STATION.	1

PIPING

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
51	8" DISPLAY PUMP SUCTION FROM SUMPS	1
52	3" "A" SERIES FILTER PUMP SUCTION FROM SUMPS	1
53	4" "L" SERIES FILTER PUMP SUCTION FROM SUMP	1
54	2" FILTER PUMP SUCTION FROM SURFACE SKIMMER	1
55	2" FILTER PUMP SUCTION FROM VACUUM FITTING	1
56	2" DISCHARGE TO AERATION JETS	9
57	2" FILTER RETURN TO MIST JETS	2
58	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	1
59	4" DRAIN LINE TO COLLECTING POOL	6
60	4" DRAIN LINE (SEE C4-2)	1
61	4" VENT LINE	6
62	4" DUMP LINE TO STORM DRAIN	1
63	4" OVERFLOW DRAIN LINE TO 4" MAIN DRAIN LINE	1

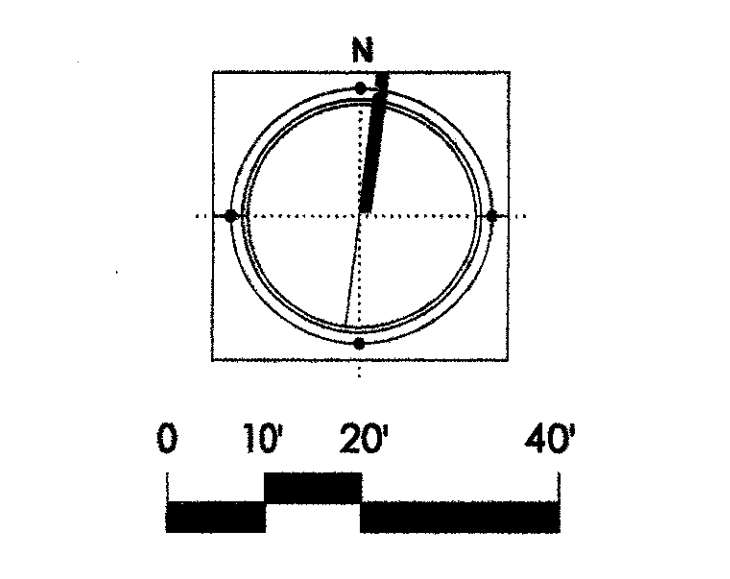
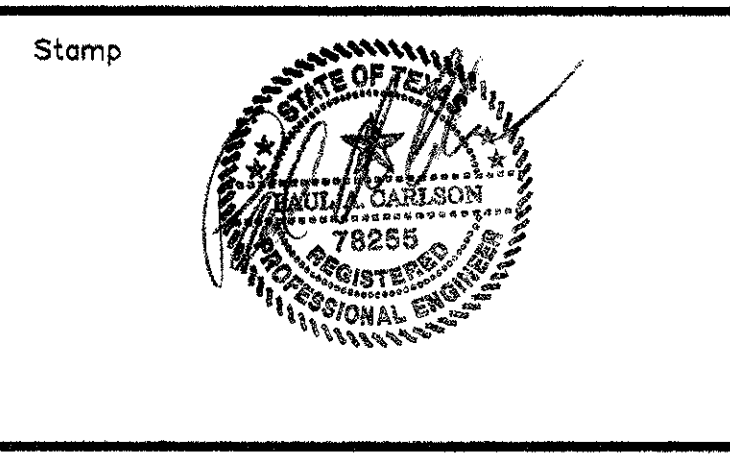
CONDUITS

70	2 1/2" INCOMING POWER 120/208V 3P 225A (4F4/0+1#30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#12+1#80) (VIA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#80) (VIA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#12+1#80)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#180)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#180)	1
76	3/4" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 SHIELDED CABLE)	1
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 780) (2#10+1#100)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 780) (2#10+1#100)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 780) (2#10+1#100)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#12+1#80)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#80)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#140)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300V) (2#10+1#100)	47
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	1
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (6#18+1#180)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (6#18+1#180)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#18)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (16#18+1#180)	3
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GAUGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+1#80)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#30)	1

NOTE:
 CONTROL PANEL COMMON
 TO EACH FOUNTAIN

ISSUED FOR CONSTRUCTION	09-30-02
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No.	Description	Date
DWG ISSUE & REVISION HISTORY		



Project Title:
**ADDISON ARTS &
 EVENTS DISTRICT
 ADDISON, TEXAS**

Drawing Title:
**PLAZA FOUNTAIN
 PUMP SUCTIONS PLAN**

Project No. 14516.00 Scale: AS NOTED
 Drawn By:
 Checked By:
 Approved By:
 Date: September 30, 2002

Drawing No. **F2-3**