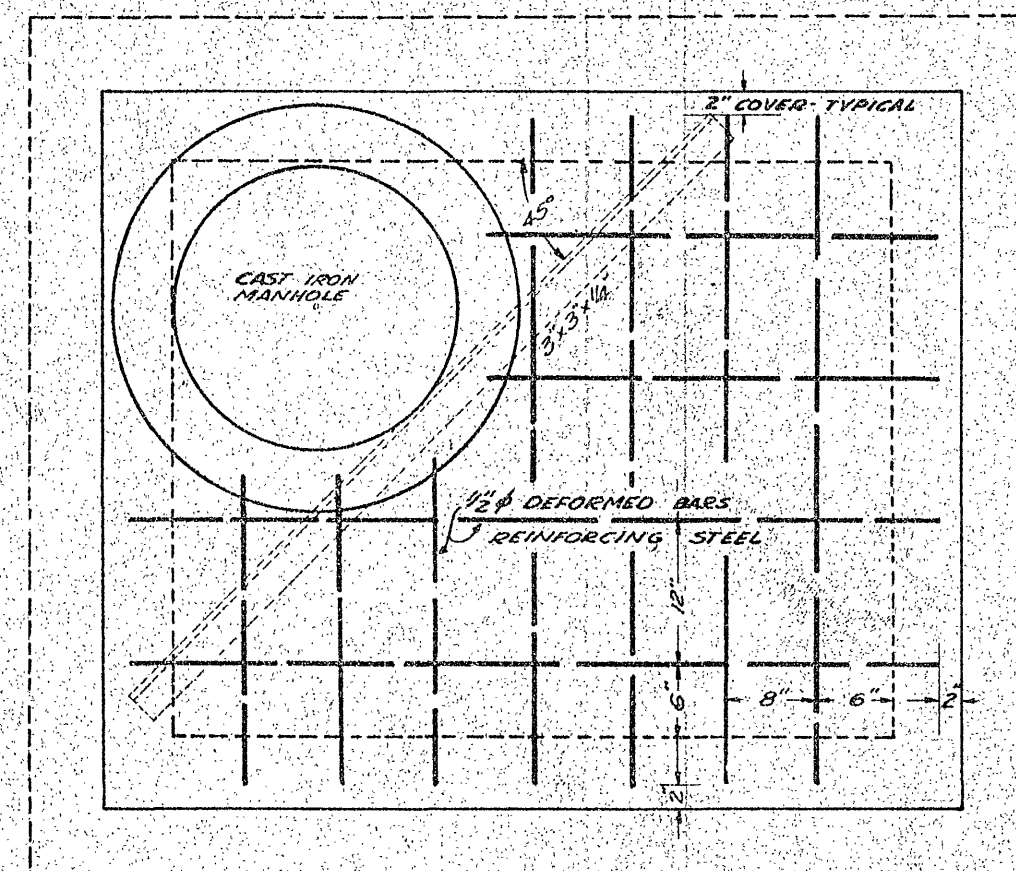
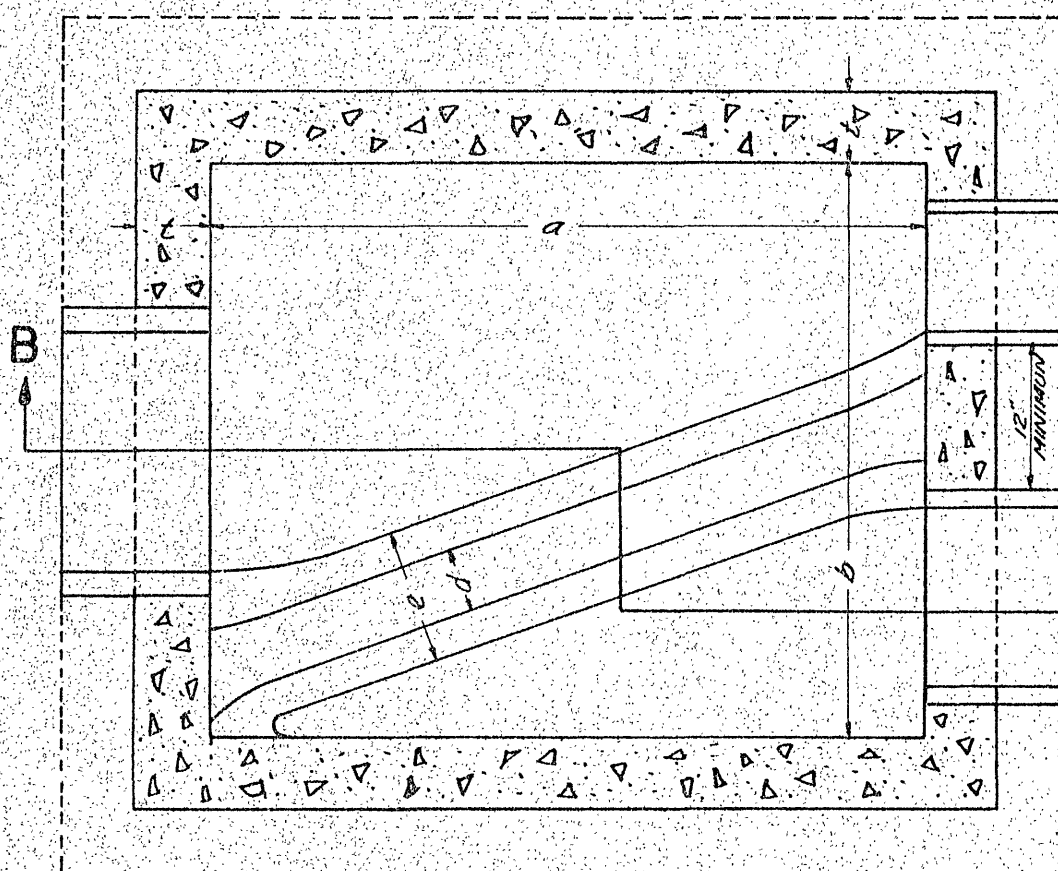
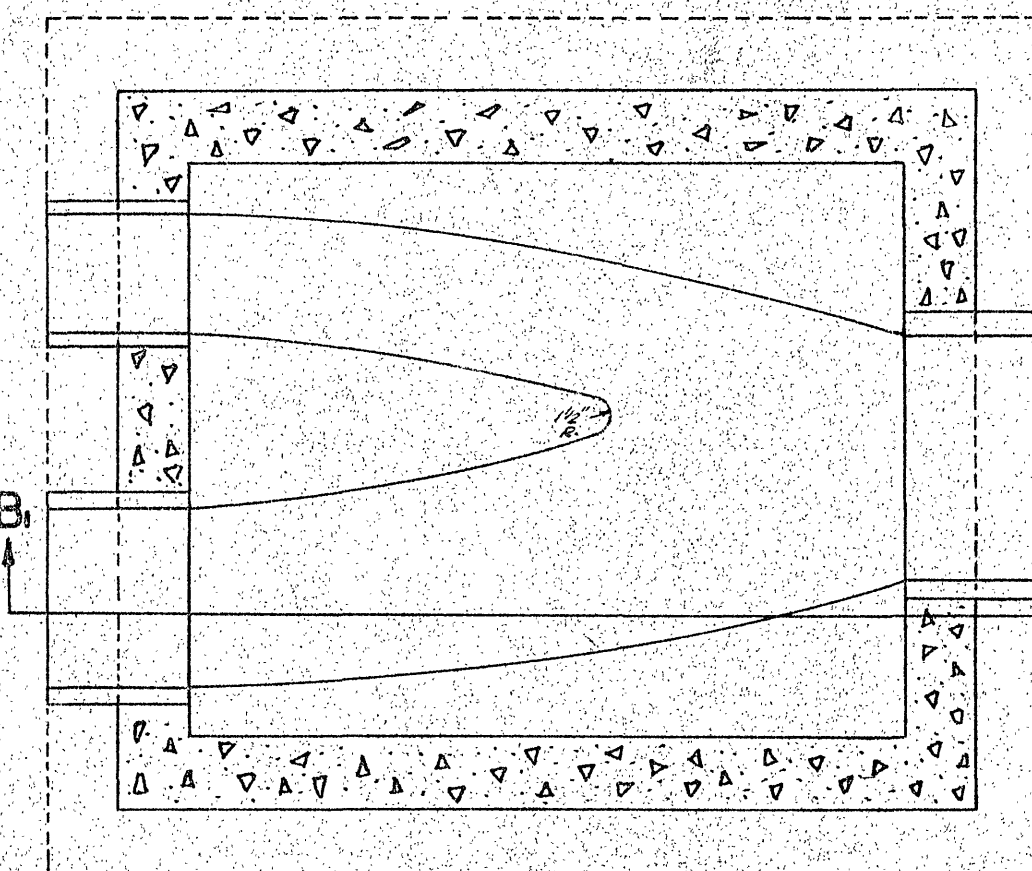




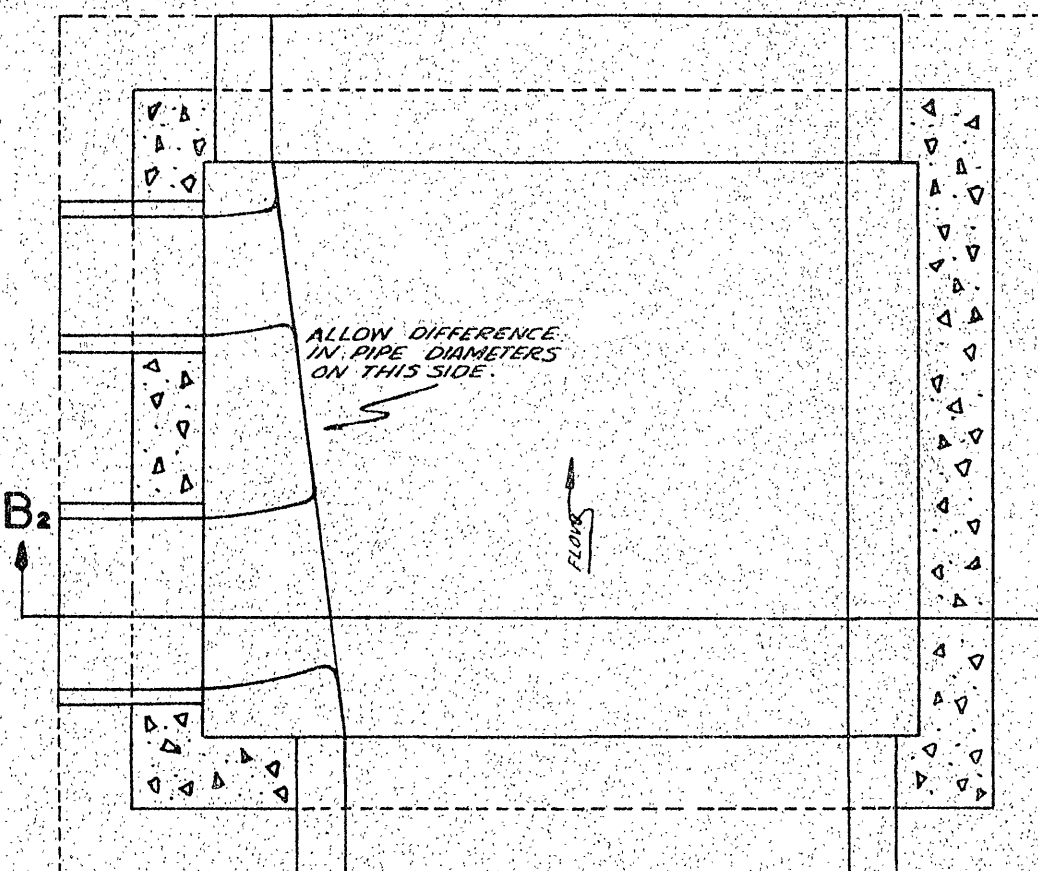
TOP



SECTION AA



SECTION AA



SECTION AA

NOTE: DIMENSION 'A' ALWAYS PARALLEL TO SIPHON. DIMENSION 'B' ALWAYS PERPENDICULAR TO SIPHON. MANHOLE HEIGHTS 'C' ARE APPROXIMATE ONLY.

NOTE: REINFORCING STEEL DETAILS FOR SIPHON INLET & OUTLET CHAMBERS SHALL BE THE SAME AS SHOWN FOR MANHOLES. SEE SHEET 27.

INLET SIPHON CHAMBERS													
Siphon Number	Inlet Pipe Size	Outlet pipe size		Siphon Dimensions				Elevations	Weir	Weir Widths		Inlet Pipe	Outlet Pipe
		small	large	length	width	height	width			small	large		
1	12"	8"	18"	4'-0"	4'-0"	7'-0"	8"	886.70	886.68	886.68	886.68	886.70	886.68
2	18"	8"	18"	4'-0"	4'-0"	7'-6"	8"	894.00	893.90	893.90	894.58	894.00	893.90
3	10"	8"	18"	4'-0"	4'-0"	4'-6"	6"	905.00	904.90	904.90	905.68	905.00	904.90
4	36"	8"	18"	4'-0"	5'-0"	8'-0"	8"	905.60	905.40	905.50	906.17	905.60	905.40
5	24"	8"	12"	4'-0"	4'-0"	5'-6"	6"	905.50	905.40	905.40	910.07	905.50	905.40
6	20"	8"	12"	4'-0"	4'-0"	4'-0"	4'-0"	905.80	905.70	905.70	910.37	905.80	905.70
7	12"	8"	12"	4'-0"	4'-0"	4'-0"	8"	915.00	914.90	914.90	915.68	915.00	914.90
8	18"	8"	18"	4'-0"	4'-0"	7'-0"	8"	918.00	917.90	917.90	918.57	918.00	917.90
9	8"	8"	8"	4'-0"	4'-0"	7'-0"	8"	923.00	922.90	922.90	923.70	923.00	922.90
10	8"	8"	10"	4'-0"	4'-0"	7'-0"	8"	925.80	925.70	925.70	926.37	925.80	925.70
11	18"	8"	15"	4'-0"	4'-0"	2'-9"	6"	926.00	925.90	925.90	926.70	926.00	925.90
12	10"	8"	10"	4'-0"	4'-0"	8'-0"	8"	940.00	939.90	939.90	940.67	940.00	939.90
13	18"	8"	18"	4'-0"	4'-0"	7'-0"	8"	934.36	934.26	934.26	934.93	934.36	934.26
14	12"	8"	12"	4'-0"	4'-0"	3'-9"	6"	938.48	938.38	938.38	939.05	938.48	938.38
15	8"	8"	12"	4'-0"	4'-0"	4'-0"	6"	937.60	937.50	937.50	938.30	937.60	937.50
16	36"	12"	30"	5'-0"	6'-0"	8'-6"	8"	940.38	940.28	940.28	941.05	940.38	940.28
17	24"	8"	18"	5'-0"	5'-0"	3'-0"	6"	947.32	947.22	947.22	947.89	947.32	947.22
18	36"	12"	30"	5'-0"	6'-0"	10'-6"	12"	954.75	954.65	954.65	955.53	954.75	954.65
T1	42"	15"	30"	5'-0"	6'-0"	13'-6"	12"	982.65	982.55	982.55	983.00	982.65	982.55

OUTLET SIPHON CHAMBERS													
Siphon Number	Outlet Pipe Size	Inlet pipe size		Siphon Dimensions				Elevations	Weir	Weir Widths		Inlet Pipe	Outlet Pipe
		small	large	length	width	height	width			small	large		
1	15"	8"	8"	4'-0"	4'-0"	4'-6"	6"	886.68	886.68	886.68	886.68	886.68	886.68
2	18"	8"	18"	4'-0"	4'-0"	5'-0"	6"	892.80	892.40	892.40	892.00	892.80	892.40
3	48"	8"	15"	5'-0"	5'-0"	17'-6"	12"	903.10	903.10	903.10	903.18	903.10	903.10
4	48"	8"	18"	5'-0"	5'-0"	15'-0"	12"	904.10	904.14	904.14	903.06	904.10	904.14
5	48"	8"	12"	5'-0"	5'-0"	9'-0"	8"	907.46	906.72	906.72	904.55	907.46	906.72
6	48"	8"	12"	5'-0"	5'-0"	10'-0"	8"	908.06	907.88	907.88	905.78	908.06	907.88
7	12"	8"	12"	4'-0"	4'-0"	4'-9"	6"	913.70	913.70	913.70	913.50	913.70	913.50
8	42"	8"	18"	5'-0"	5'-0"	4'-0"	12"	917.10	917.00	917.00	914.89	917.10	917.00
9	8"	8"	8"	4'-0"	4'-0"	7'-6"	8"	922.09	922.09	922.09	922.09	922.09	922.09
10	12"	8"	10"	4'-0"	4'-0"	8'-0"	8"	923.50	923.50	923.50	922.65	923.50	923.50
11	18"	8"	15"	4'-0"	4'-0"	12'-0"	12"	924.70	924.70	924.70	924.51	924.70	924.51
12	42"	8"	10"	5'-0"	5'-0"	7'-0"	8"	927.00	927.00	927.00	924.38	927.00	927.00
13	42"	8"	18"	5'-0"	5'-0"	9'-0"	8"	930.70	930.70	930.70	928.77	930.70	930.70
14	42"	8"	12"	5'-0"	5'-0"	14'-0"	12"	934.00	934.00	934.00	931.46	934.00	934.00
15	36"	8"	12"	5'-0"	5'-0"	9'-0"	8"	938.30	938.30	938.30	934.78	938.30	938.30
16	36"	12"	30"	5'-0"	6'-0"	6'-6"	8"	938.63	938.63	938.63	936.37	938.63	938.63
17	36"	8"	18"	5'-0"	5'-0"	8'-0"	8"	946.00	946.00	946.00	943.72	946.00	946.00
18	36"	12"	30"	5'-0"	6'-0"	10'-6"	12"	953.69	953.69	953.69	953.56	953.69	953.69
T1	42"	15"	30"	5'-0"	6'-0"	14'-6"	12"	981.90	981.80	981.80	981.67	981.90	981.80

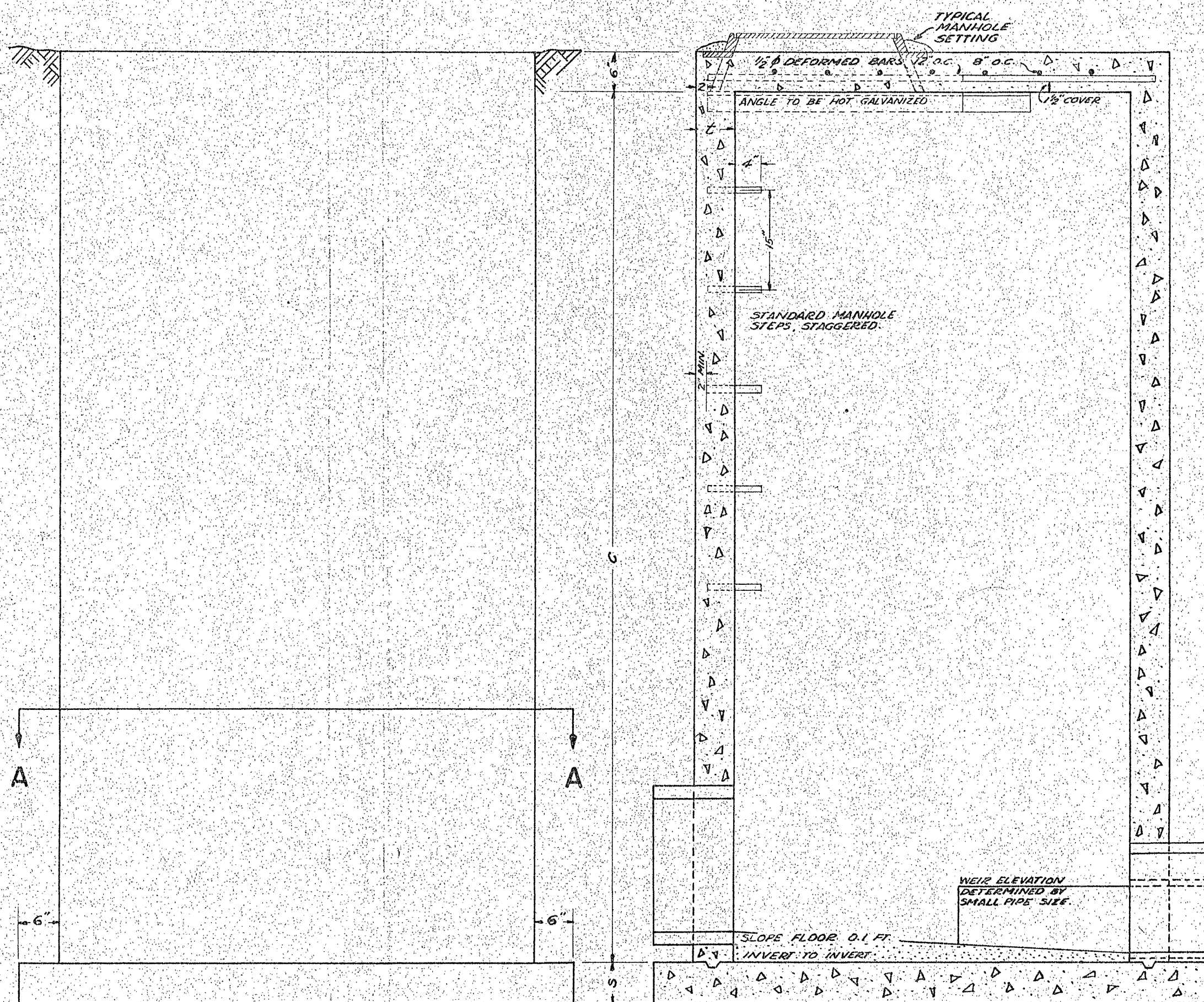
INLET SIPHON CHAMBERS													
Siphon Number	Inlet Pipe Size	Outlet pipe size		Siphon Dimensions				Elevations	Weir	Weir Widths		Inlet Pipe	Outlet Pipe
		small	large	length	width	height	width			small	large		
1	12"	8"	18"	4'-0"	4'-0"	7'-0"	8"	886.70	886.68	886.68	886.68	886.70	886.68
2	18"	8"	18"	4'-0"	4'-0"	7'-6"	8"	894.00	893.90	893.90	894.58	894.00	893.90
3	10"	8"	18"	4'-0"	4'-0"	4'-6"	6"	905.00	904.90	904.90	905.68	905.00	904.90
5	24"	8"	12"	4'-0"	4'-0"	5'-6"	6"	905.50	905.40	905.40	910.07	905.50	905.40
6	20"	8"	12"	4'-0"	4'-0"	4'-0"	4'-0"	905.80	905.70	905.70	910.37	905.80	905.70
7	12"	8"	12"	4'-0"	4'-0"	7'-6"	8"	915.00	914.90	914.90	915.68	915.00	914.90
8	18"	8"	18"	4'-0"	4'-0"	7'-0"	8"	918.00	917.90	917.90	918.57	918.00	917.90
9	8"	8"	8"	4'-0"	4'-0"	7'-0"	8"	923.00	922.90	922.90	923.70	923.00	922.90
10	8"	8"	10"	4'-0"	4'-0"	8'-0"	8"	925.80	925.70	925.70	926.37	925.80	925.70
11	18"	8"	15"	4'-0"	4'-0"	2'-9"	6"	926.00	925.90	925.90	926.70	926.00	925.90
12	10"	8"	10"	4'-0"	4'-0"	8'-0"	8"	940.00	939.90	939.90	940.67	940.00	939.90
13	18"	8"	18"	4'-0"	4'-0"	7'-0"	8"	934.36	934.26	934.26	934.93	934.36	934.26
14	12"	8"	12"	4'-0"	4'-0"	3'-9"	6"	938.48	938.38	938.38	939.05	938.48	938.38
15	8"	8"	12"	4'-0"	4'-0"	4'-0"	6"	937.60	937.50	937.50	938.30	937.60	937.50
16	36"	12"	30"	5'-0"	6'-0"	8'-6"	8"	940.38	940.28	940.28	941.05	940.38	940.28
17	24"	8"	18"	5'-0"	5'-0"	3'-0"	6"	947.32	947.22	947.22	947.89	947.32	947.22
18	36"	12"	30"	5'-0"	6'-0"	10'-6"	12"	954.75	954.65	954.65	955.53	954.75	954.65
19	36"	12"	30"	5'-0"	6'-0"	10'-0"	8"	951.58	951.48	951.48	952.38	951.58	951.48

OUTLET SIPHON CHAMBERS													
Siphon Number	Outlet Pipe Size	Inlet pipe size		Siphon Dimensions				Elevations	Weir	Weir Widths		Inlet Pipe	Outlet Pipe
		small	large	length	width	height	width			small	large		
1	15"	8"	8"	4'-0"	4'-0"	4'-6"	6"	886.68	886.68	886.68	886.68	886.68	886.68
2	18"	8"	18"	4'-0"	4'-0"	5'-0"	6"	892.80	892.40	892.40	892.00	892.80	892.40
3	48"	8"	15"	5'-0"	5'-0"	17'-6"	12"	903.10	903.10	903.10	903.18	903.10	903.10
5	48"	8"	12"	5'-0"	5'-0"	9'-0"	8"	907.46	906.72	906.72	904.55	907.46	906.72
6	48"	8"	12"	5'-0"	5'-0"	10'-0"	12"	908.06	907.88	907.88	905.78	908.06	907.88
7	12"	8"	12"	4'-0"	4'-0"	4'-9"	6"	913.70	913.70	913.70	913.50	913.70	913.50
8	42"	8"	18"	5'-0"	5'-0"	4'-0"	12"	917.10	917.00	917.00	914.89	917.10	917.00
9	8"	8"	8"	4'-0"	4'-0"	7'-6"	8"	922.09	922.09	922.09	922.09	922.09	922.09
10	12"	8"	10"	4'-0"	4'-0"	8'-0"	8"	923.50	923.50	923.50	922.65	923.50	923.50
11	18"	8"	15"	4'-0"	4'-0"	12'-0"	12"	924.70	924.70	924.70	924.51	924.70	924.51
12	42"	8"	10"	5'-0"	5'-0"	7'-0"	8"	927.00	927.00	927.00	924.38	927.00	927.00
13	42"	8"	18"	5'-0"	5'-0"	9'-0"	8"	930.70	930.70	930.70	928.77	930.70	930.70
14	42"	8"	12"	5'-0"	5'-0"	14'-0"	12"	934.00	934.00	934.00	931.46	934.00	934.00
15	36"	8"	12"	5'-0"	5'-0"	9'-0"	8"	938.30	938.30	938.30	934.78	938.30	938.30
16	36"	12"	30"	5'-0"	6'-0"	6'-6"	8"	938.63	938.63	938.63	936.37	938.63	938.63
17	36"	8"	18"	5'-0"	5'-0"	8'-0"	8"	946.00	946.00	946.00	943.72	946.00	946.00
18	36"	12"	30"	5'-0"	6'-0"	10'-6"	12"	953.69	953.69	953.69	953.56	953.69	953.69
19	36"	12"	30"	5'-0"	6'-0"	10'-0"	8"	951.58	951.48	951.48	952.38	951.58	951.48

lat. 924.00

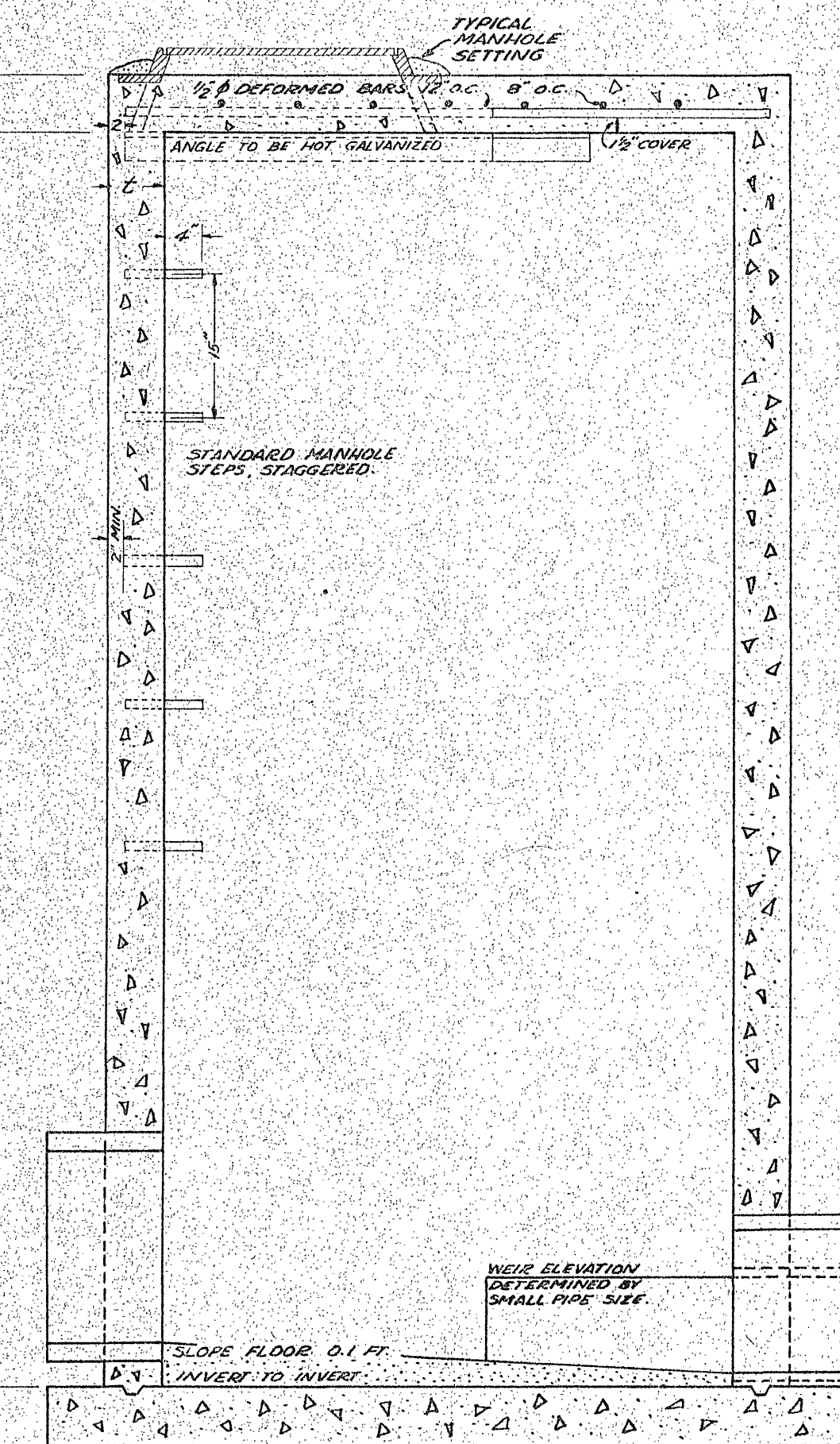
CEFF 923.00

Revised



ELEVATION

SIPHON CHAMBER



SECTION BB

INLET SIPHON CHAMBER