

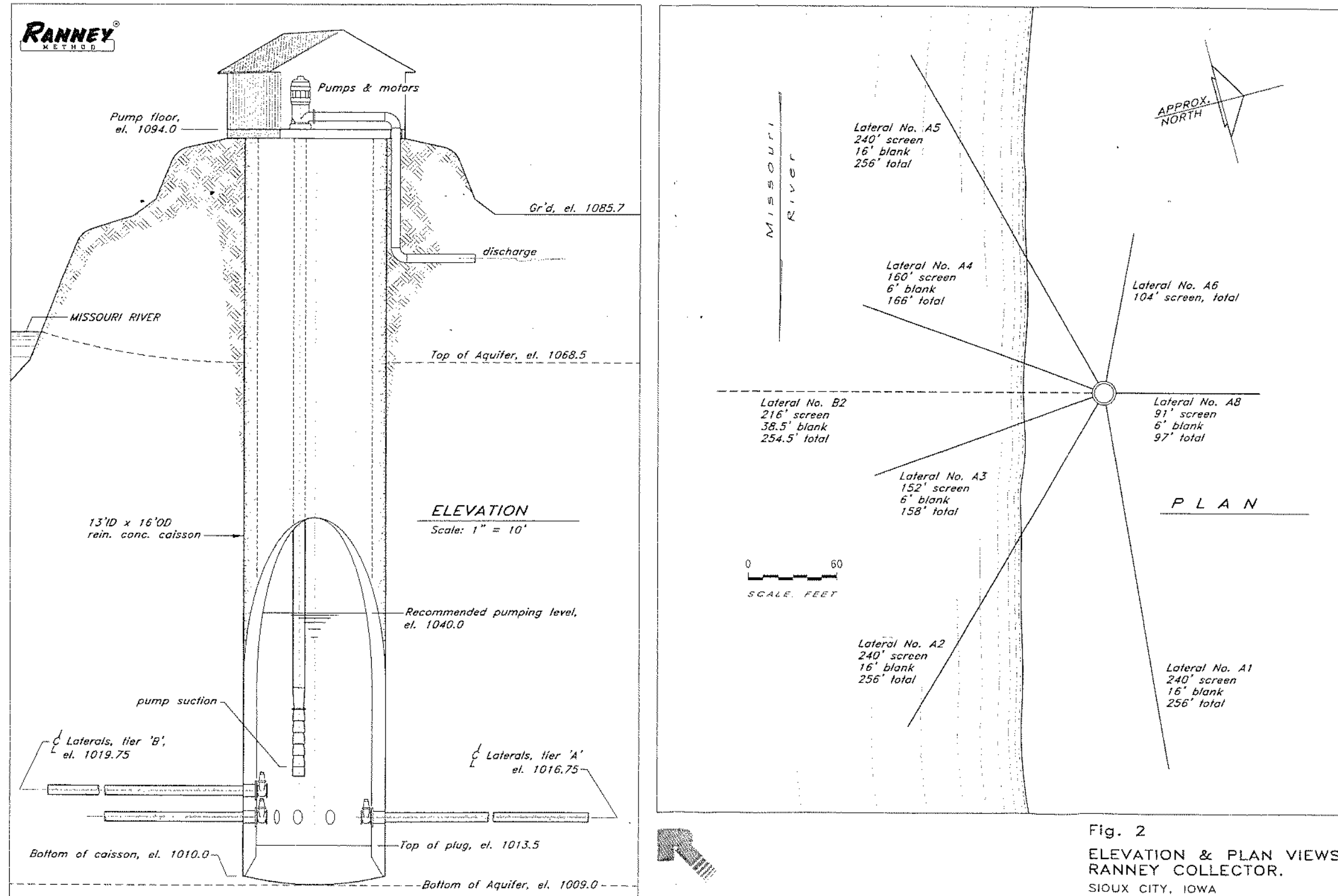


TABLE 1
RIVERFRONT COLLECTOR WELL - AS BUILT DESIGN
City of Sioux City, Iowa

AQUIFER

Top of Aquifer	1068.5 feet MSL
Base of Aquifer	1009.0 feet MSL
Transmissivity (from Feb. 1990 report).....	60,000 gpd/ft

CAISSON DESIGN

Grade Elevation	1093.0 feet MSL
Inside Diameter Caisson	13 feet
Outside Diameter Caisson.....	16 feet
Elevation Top Slab.....	1094.0 feet MSL
Elevation Top of Plug	1013.5 feet MSL
Caisson Depth (from top slab to top of plug)	80.5 feet
Thickness Concrete Plug.....	3.5 feet
Elevation Centerline Laterals and Valves (upper tier).....	1019.8 feet MSL
Elevation Centerline Laterals and Valves (lower tier).....	1016.8 feet MSL
Maximum Design Pumping Level	1040.0 feet MSL

LATERAL SCREEN DESIGN

LATERAL NUMBER	LATERAL LENGTH (FEET)	BLANK LENGTH (FEET)	SCREEN LENGTH (FEET)
A-1	256	16	240
A-2	256	16	240
A-3	158	6	152
A-4	166	6	160
A-5	256	16	240
A-6	104	0	104
A-8	97	6	91
B-2	254.5	38.5	216
TOTAL	1547.5		1443

SCREEN MATERIAL: 12-inch ID low carbon steel plate well screen, 3/8 inch in thickness,
Slot opening are 3/16 inches wide.

TOTAL SCREEN OPEN AREA.....925 ft²
(Assumes open area of 0.65 ft²/ft of screen or 20% for the slotted screen)

