

RAMSEY COUNTY GOLF COURSE

LAYOUT OF PIPELINES AND VALVES FOR BUCKNER ONE MAN. HOSELESS QUICK COUPLING IRRIGATION SYSTEM

10-No 650 "Giant Turf King" sprinklers will be required for the completed golf course, 7 of which may be in operation on the fairways of this portion of the course at one setting. The schedule calls for seven settings of 6 fairway sprinklers in one night which will complete all fairway irrigation in three nights. Sprinklers Nos 7 to 10 are for use on club house area and 5 holes to be completed south of the North Saint Paul Road.

For your superintendent's guidance, six sprinkler areas, each with 21 "Quick Coupling Valves" are placed as shown on each sprinkler area.

This schedule is designed for the use of 10 Buckner No. 650 Giant Turf King fairway sprinklers each throwing approximately 67 gallons of water per minute in order to meet the predetermined soil requirement of approximately 0.42 inches of precipitation for one hour settings.

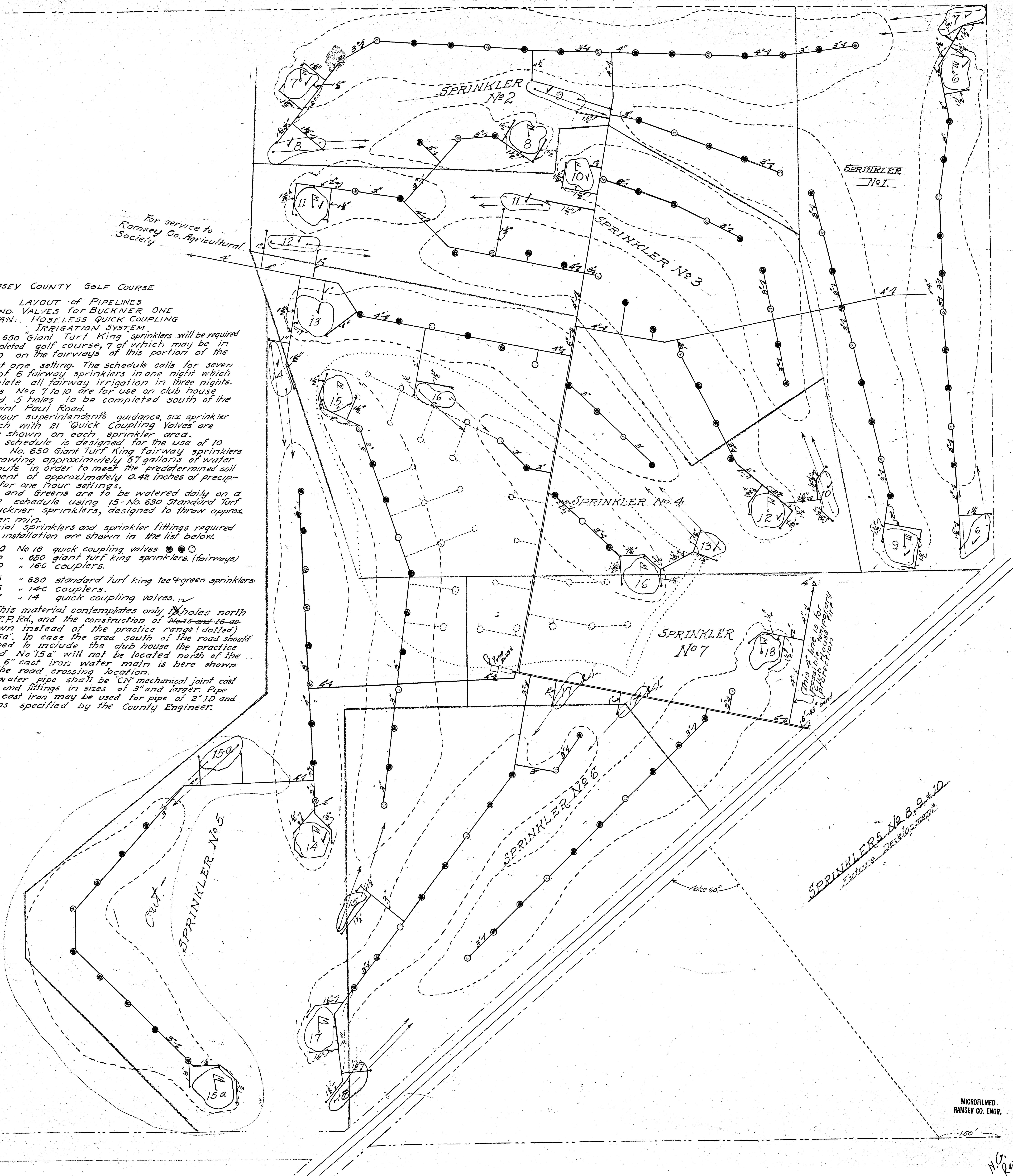
Tees and Greens are to be watered daily on a separate schedule using 15-No. 630 Standard Turf King Buckner sprinklers, designed to throw approx. 19 gal. per min.

Special sprinklers and sprinkler fittings required for this installation are shown in the list below.

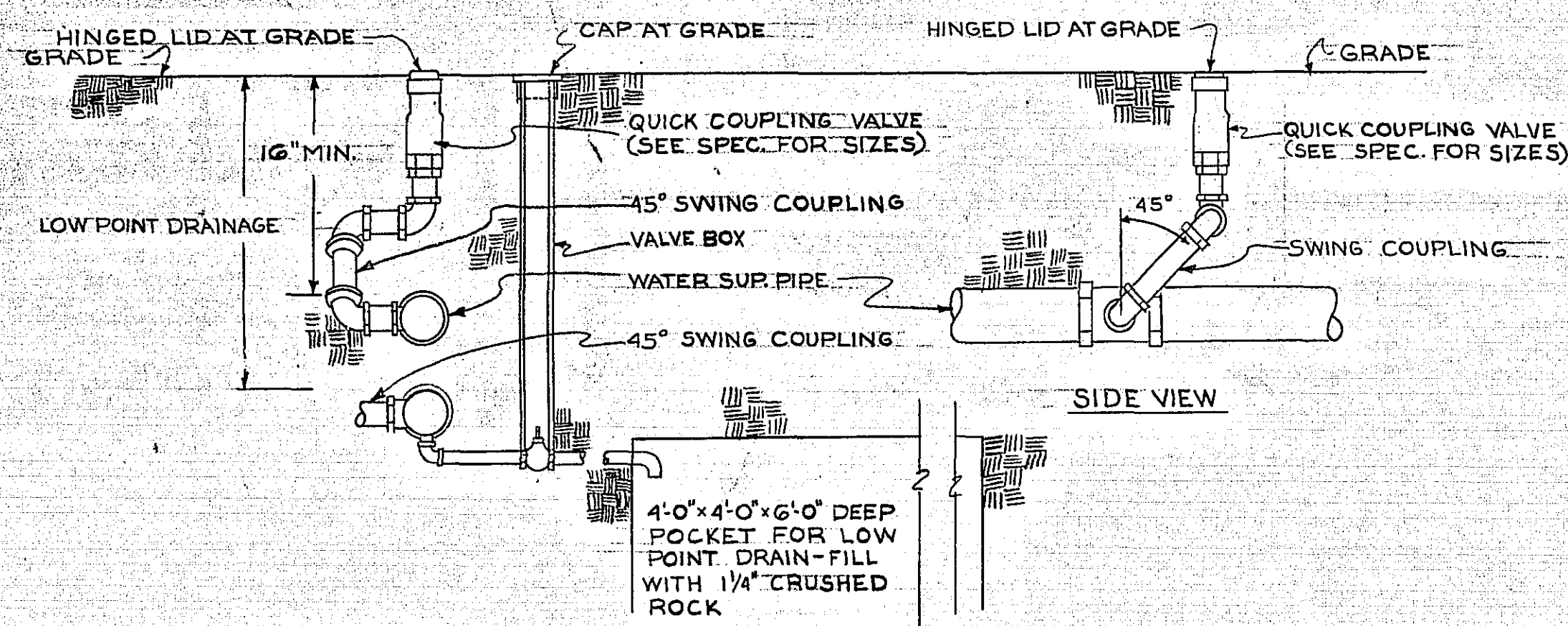
- 120 No 16 quick coupling valves
- 10 " 650 giant turf king sprinklers. (fairways)
- 10 " 16c couplers.
- 15 " 630 standard turf king tee & green sprinklers
- 15 " 14c couplers.
- 67 " 14 quick coupling valves.

Note: This material contemplates only 12 holes north of the N.S.P.Rd., and the construction of No. 15 and 16 as here shown instead of the practice range (dotted) and No 15a. In case the area south of the road should be developed to include the club house the practice range and No 15a will not be located north of the road. A 6" cast iron water main is here shown only to the road crossing location.

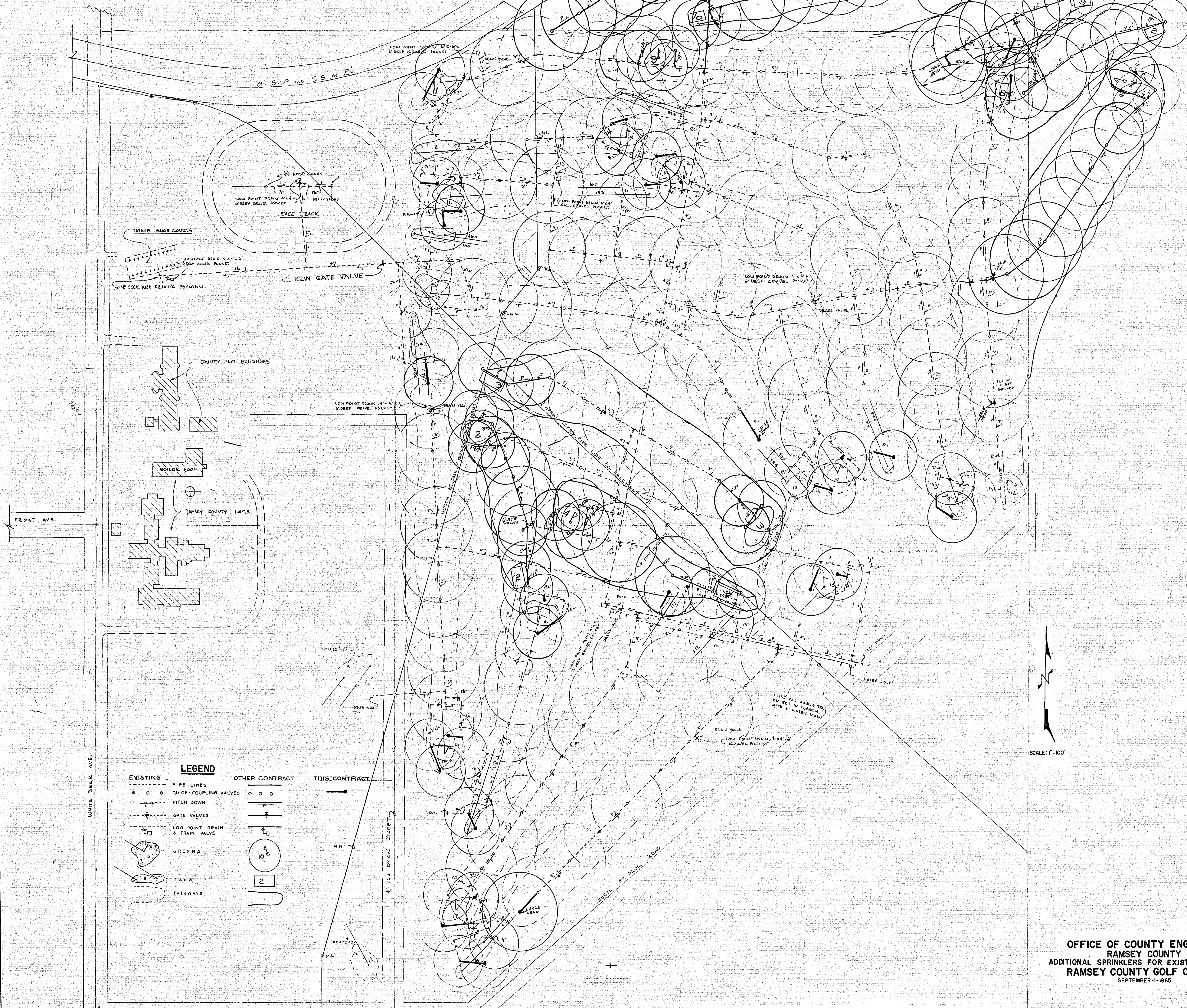
All water pipe shall be "C" mechanical joint cast iron pipe and fittings in sizes of 3" and larger. Pipe other than cast iron may be used for pipe of 2" ID and smaller as specified by the County Engineer.



SPRINKLERS No. 8, 9, & 10
Future Development



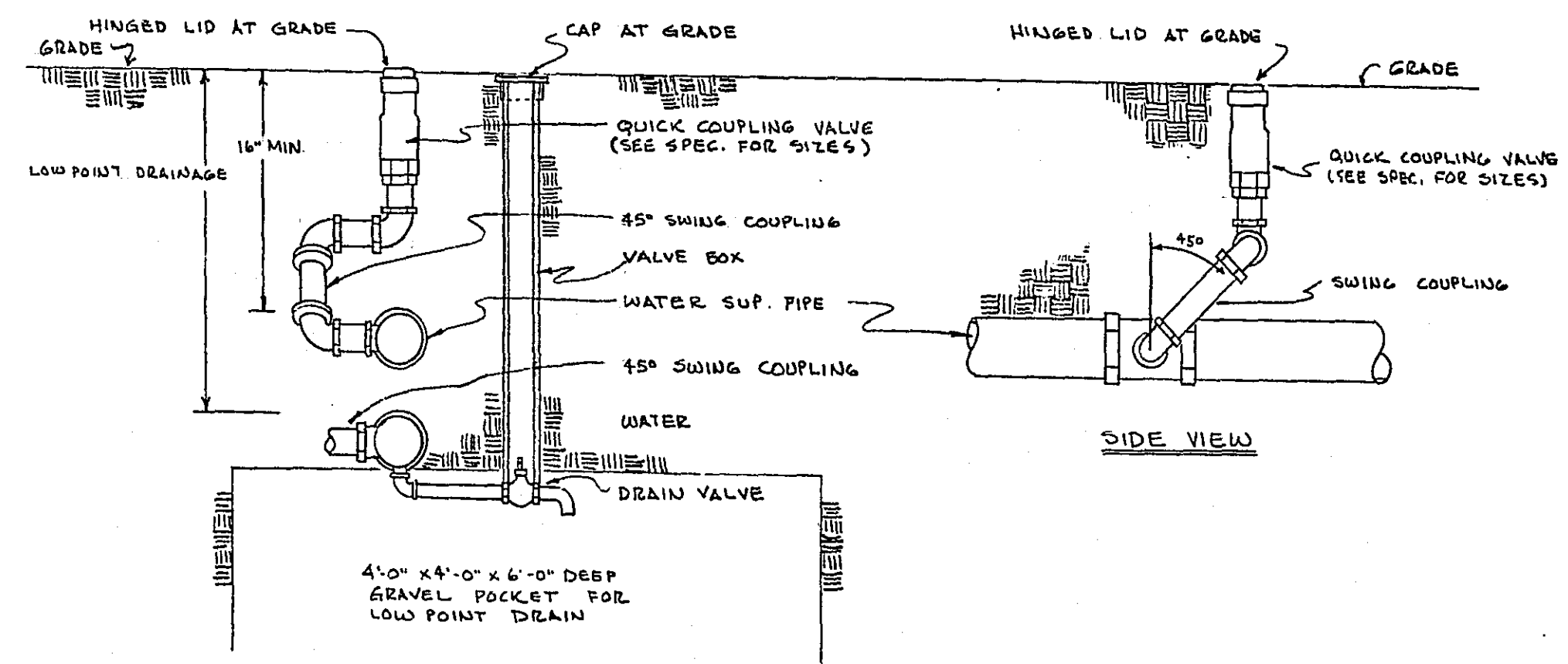
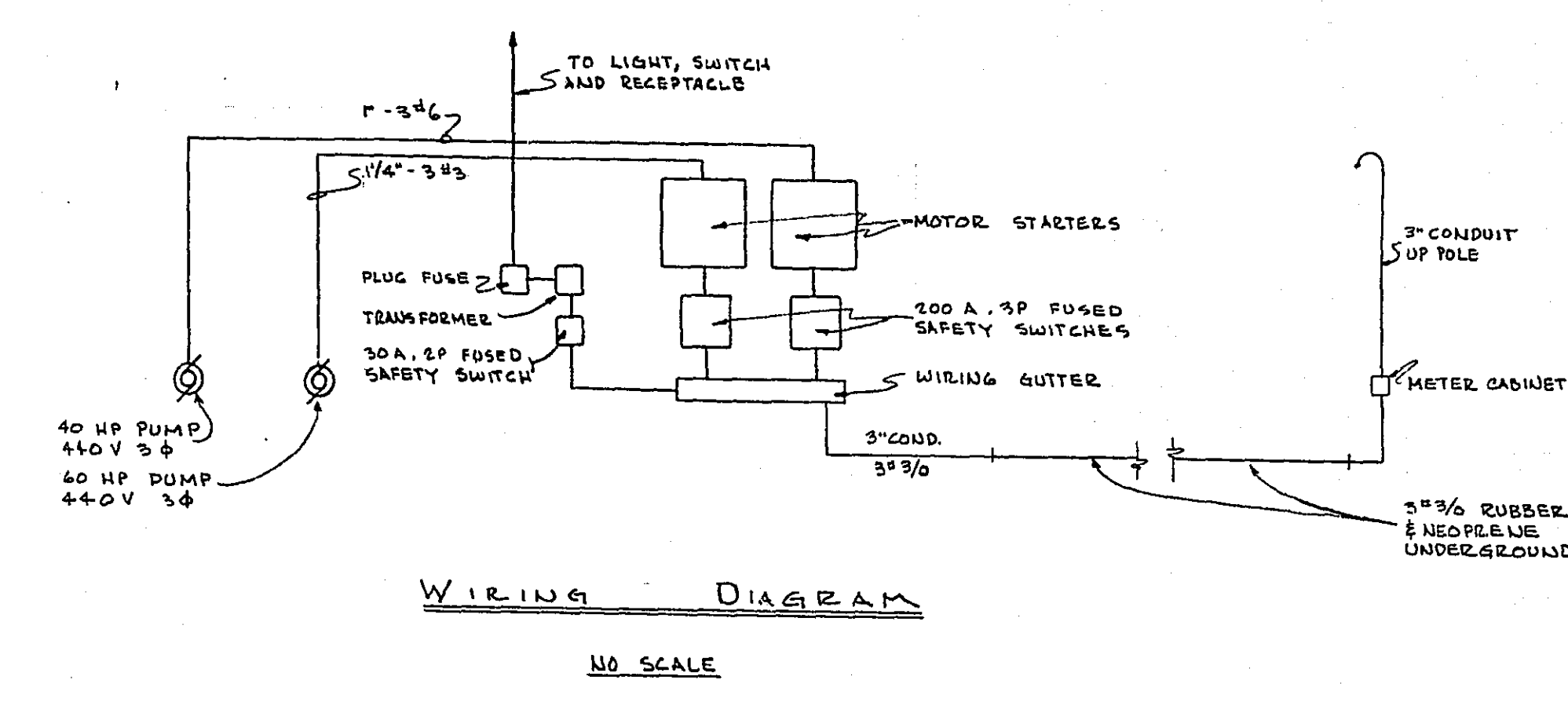
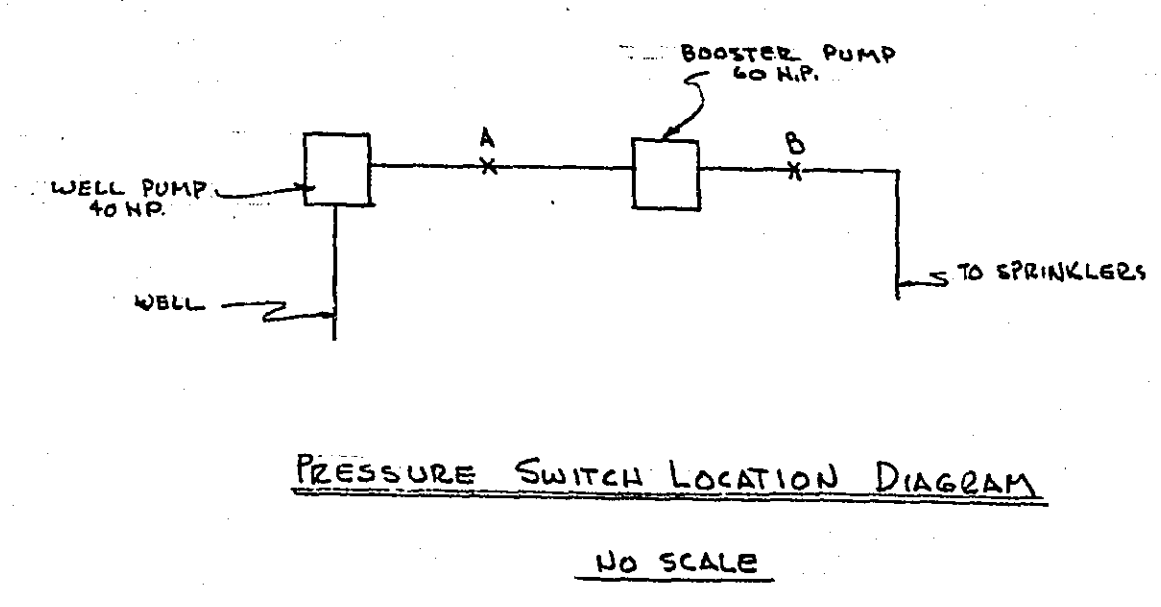
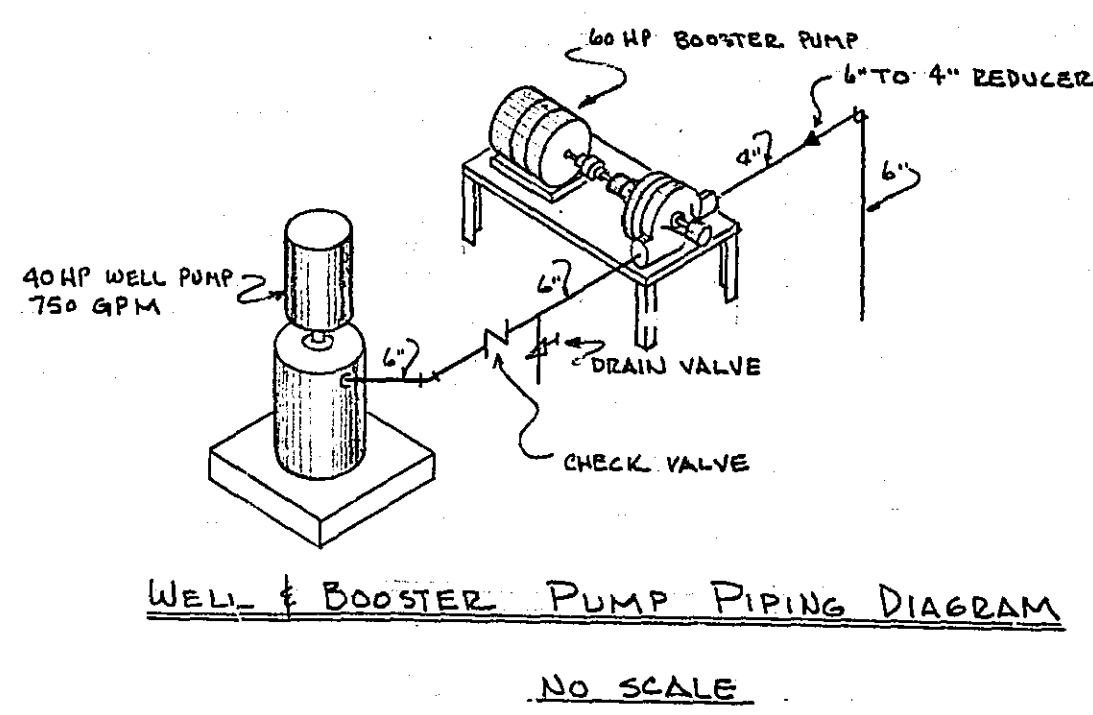
QUICK COUPLING VALVE AND LOW POINT DRAIN DETAIL
SCALE: 1"=1'-0"



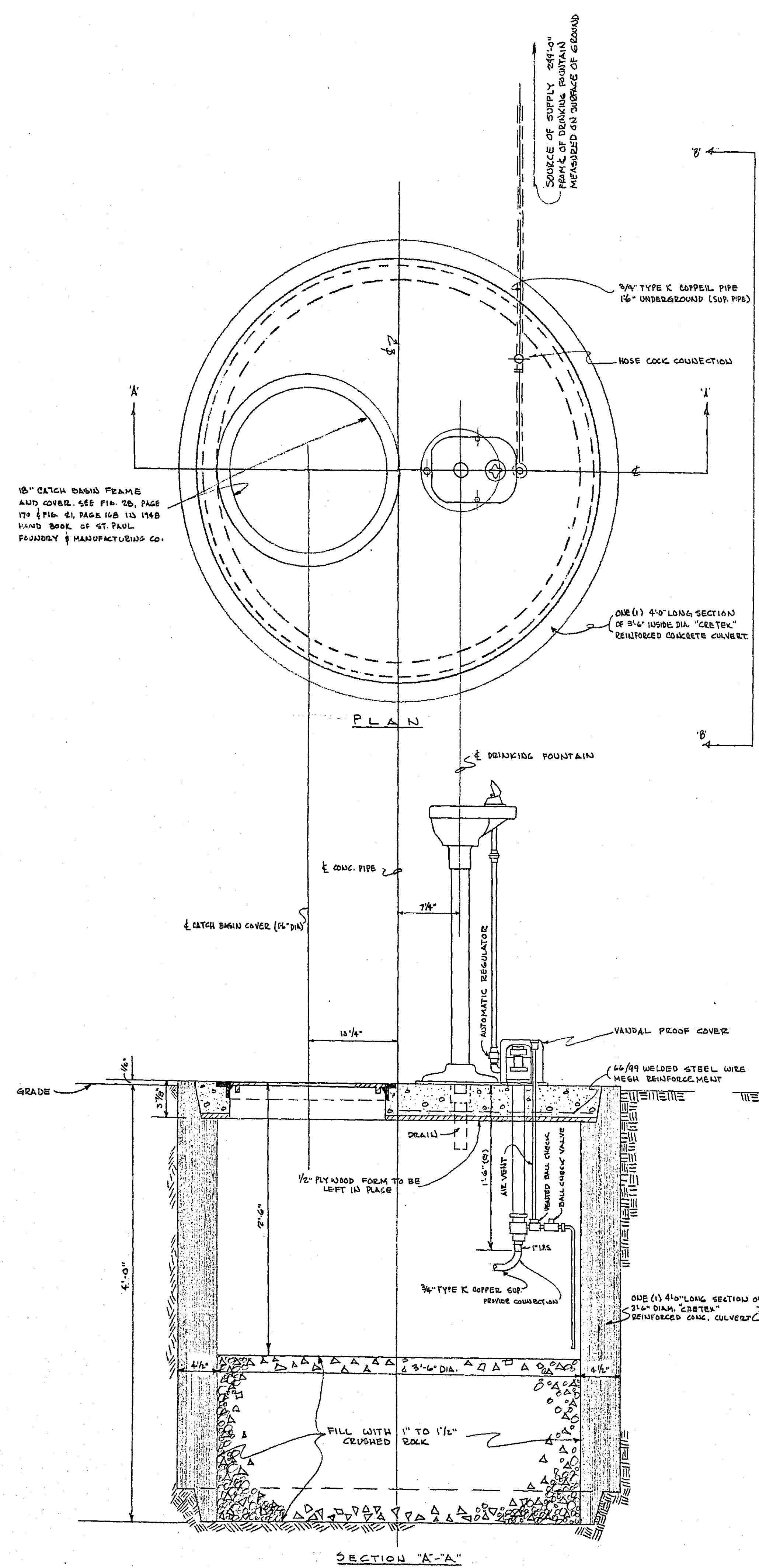
OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY
ADDITIONAL SPRINKLERS FOR EXISTING GREENS
RAMSEY COUNTY GOLF COURSE
SEPTEMBER 1-1965

MICROFILMED
RAMSEY CO. ENR 88

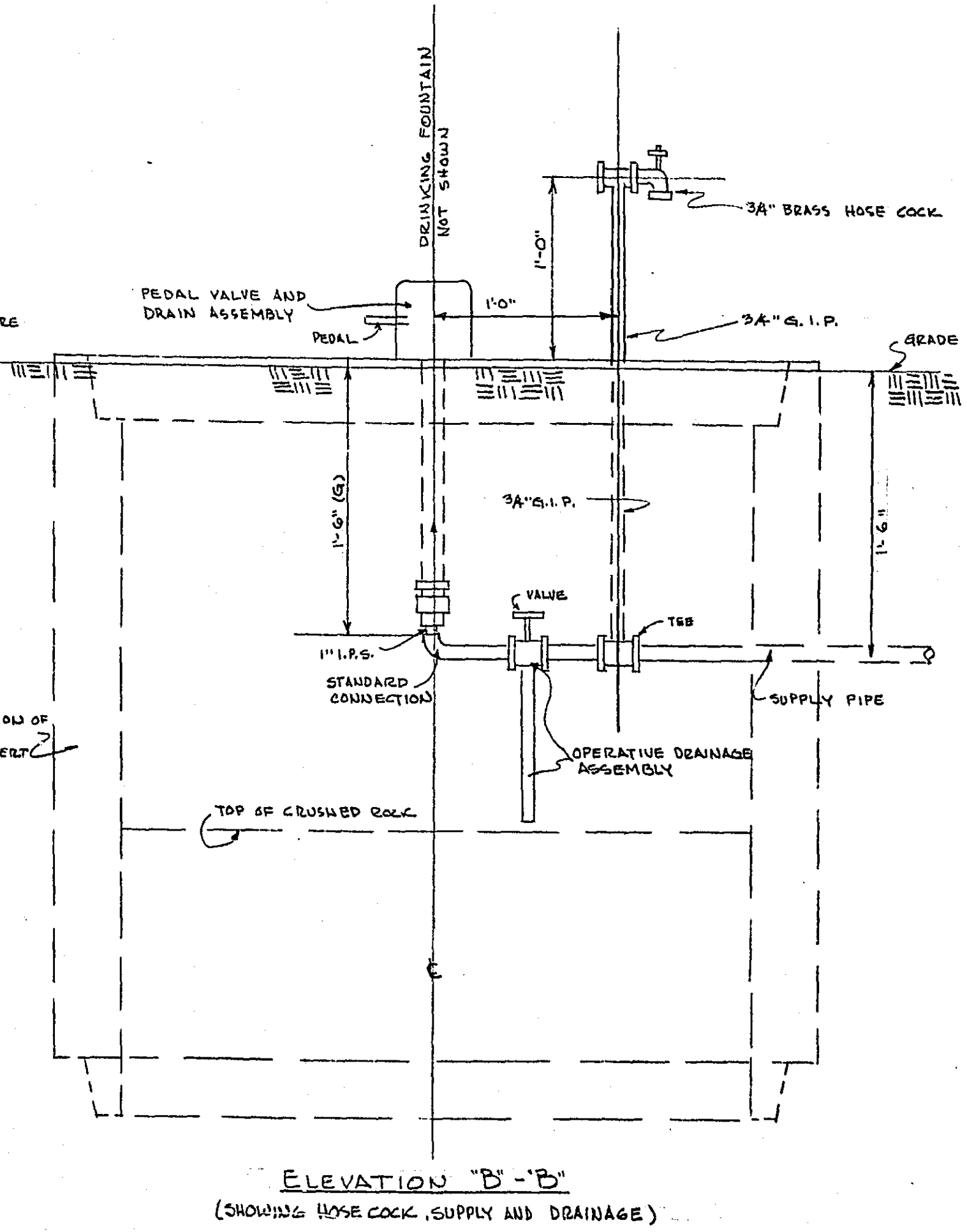
310 X



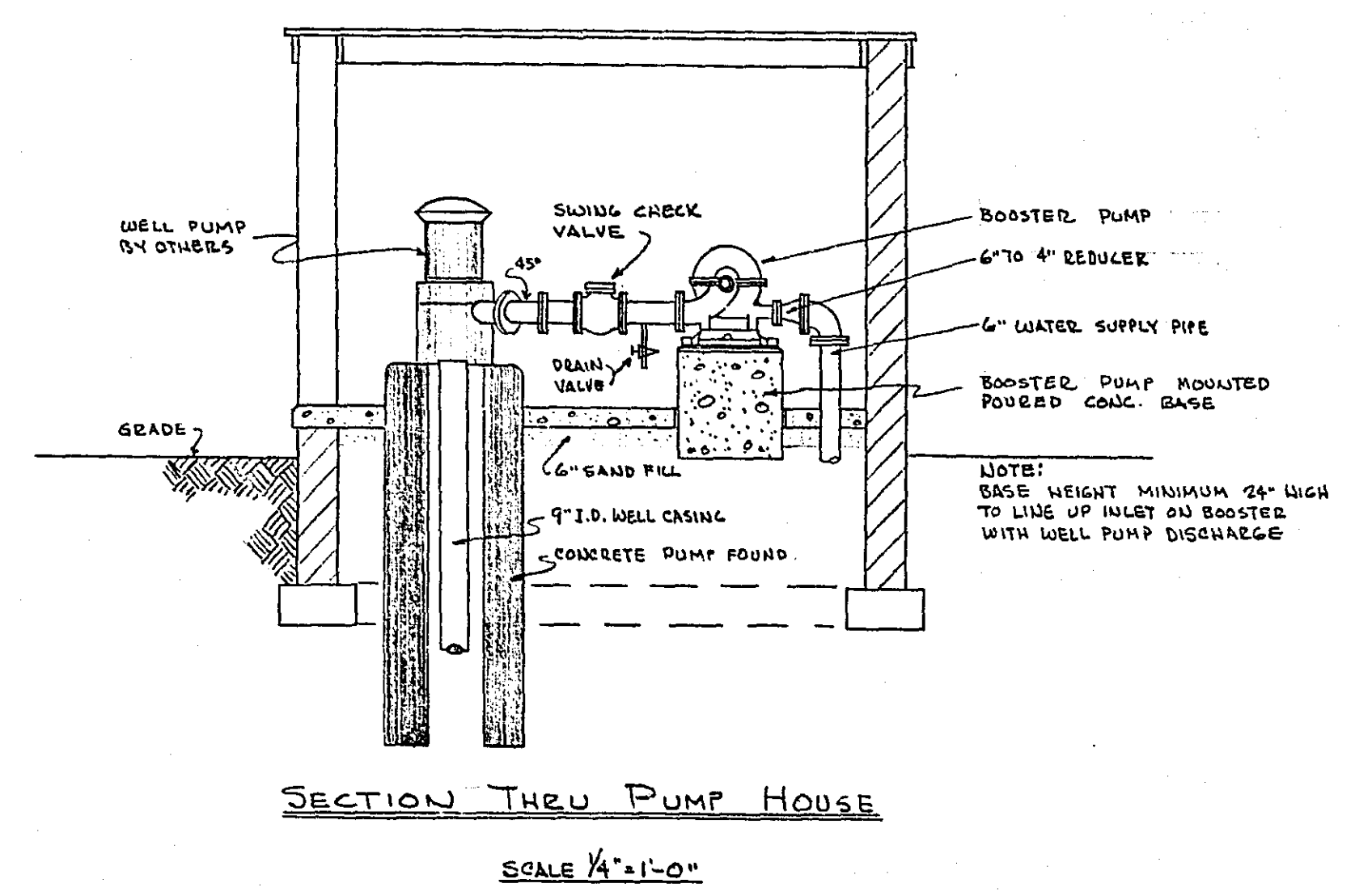
QUICK COUPLING VALVE AND LOW POINT DRAIN DETAIL
SCALE 1\"/>



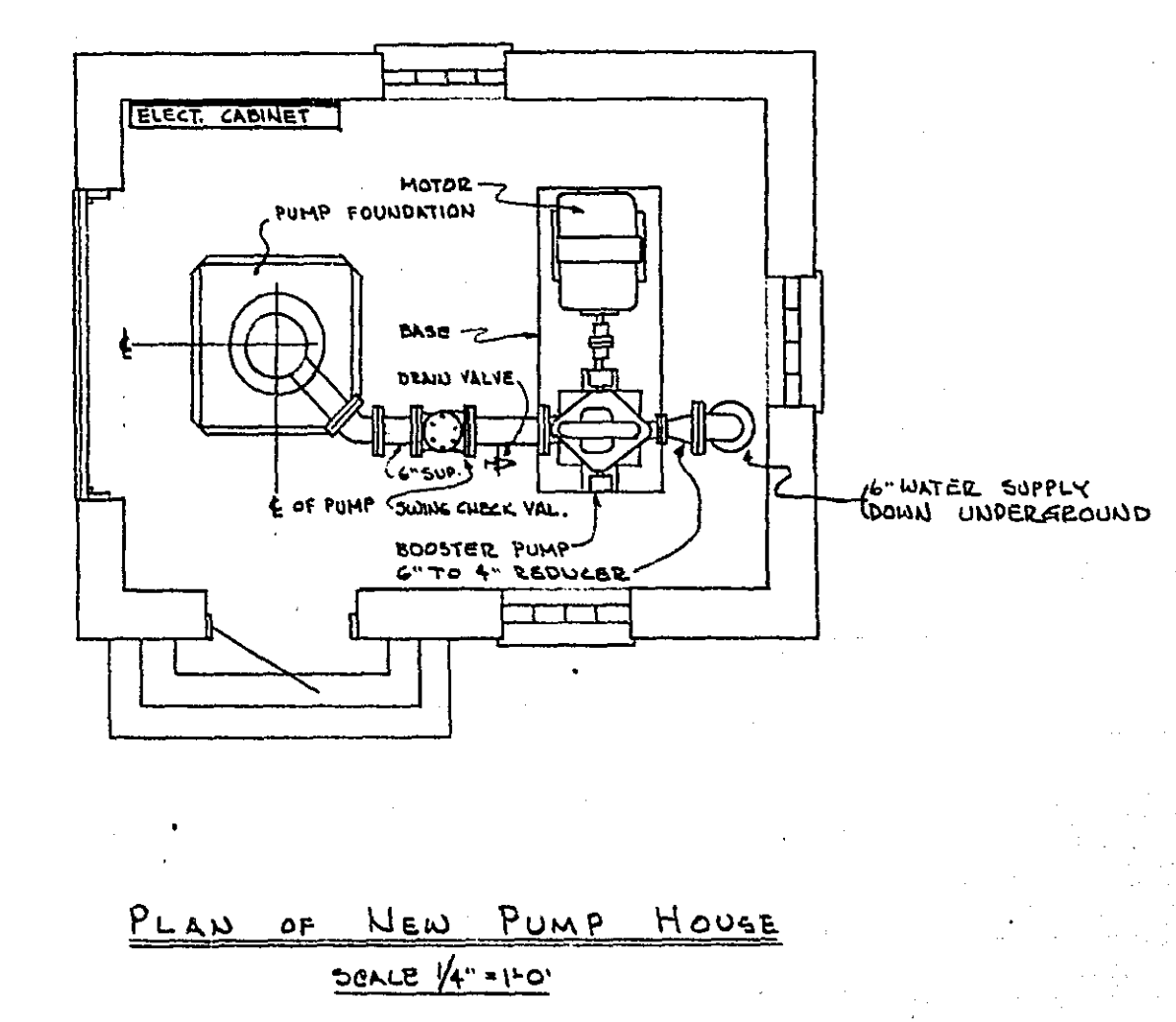
HOSE COCK AND DRINKING FOUNTAIN ASSEMBLY
SCALE 1 1/2\"/>



ELEVATION "B-B"
(SHOWING HOSE COCK, SUPPLY AND DRAINAGE)



SECTION THRU PUMP HOUSE
SCALE 1/4\"/>



PLAN OF NEW PUMP HOUSE
SCALE 1/4\"/>

310X

MICROFILMED
RAMSEY CO. ENGR.
DETAIL SHEET
PIPING LAYOUT FOR SPRINKLING AT
RAMSEY COUNTY GOLF COURSE No. 2
SCALE AS NOTED MAY 1958
OFFICE OF COUNTY ENGINEER - ST. PAUL, MINN.