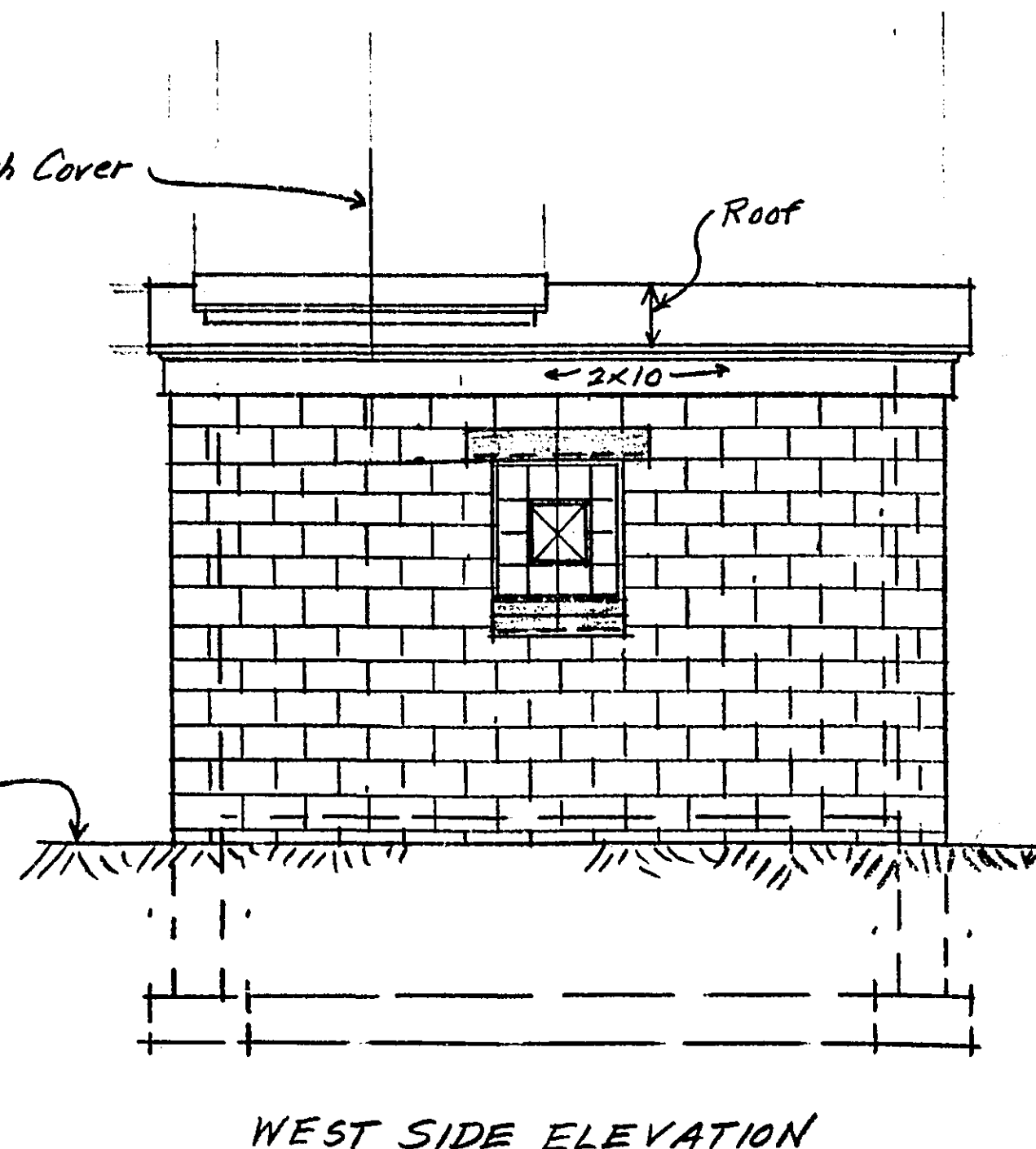
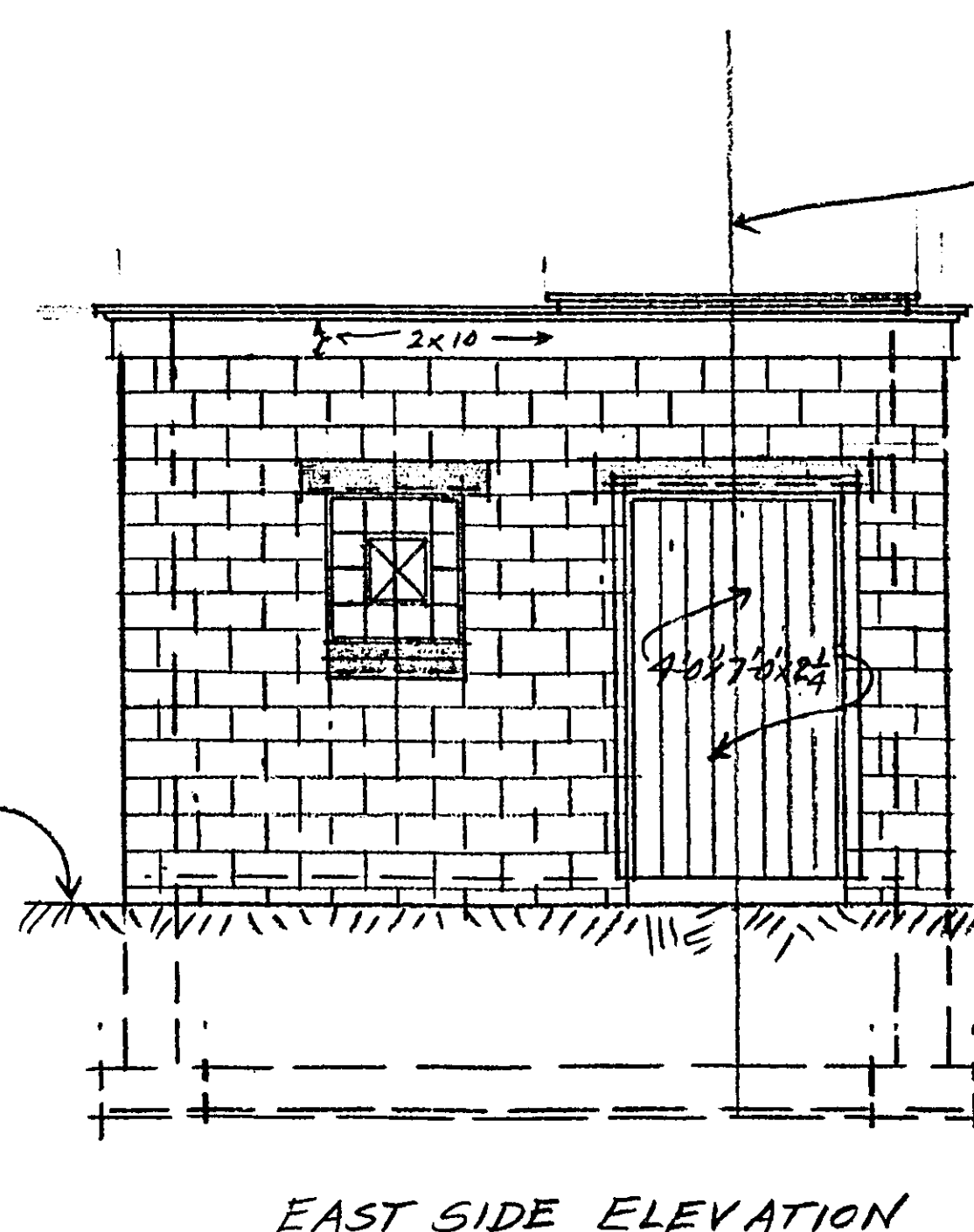
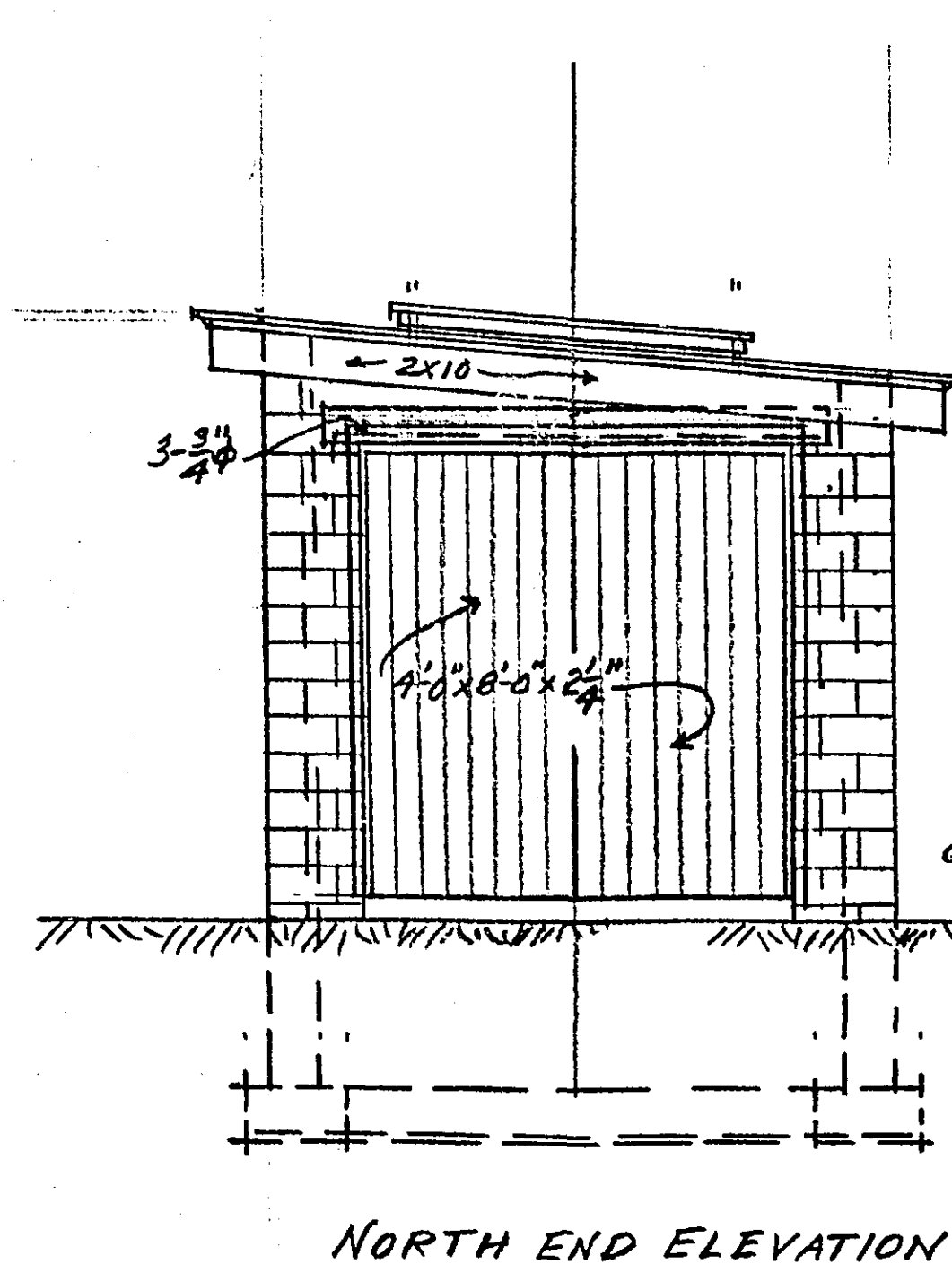
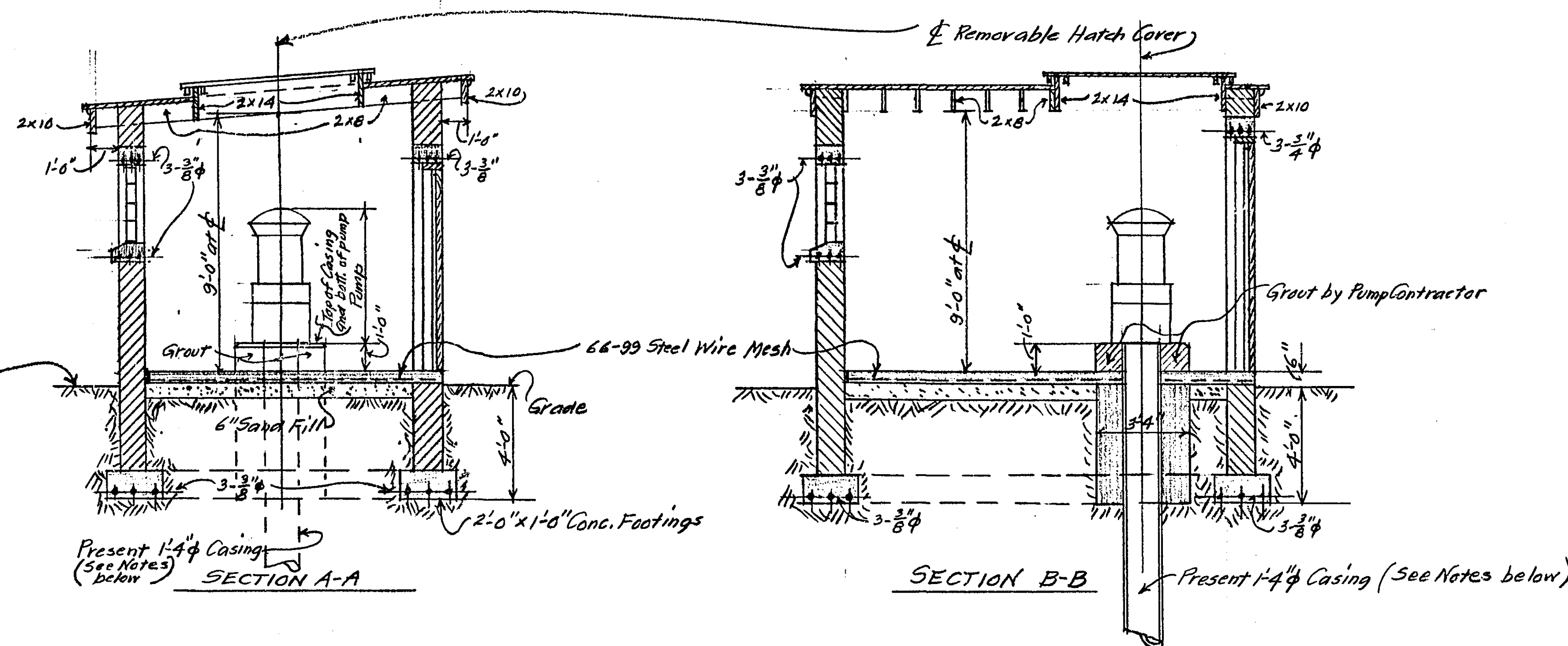
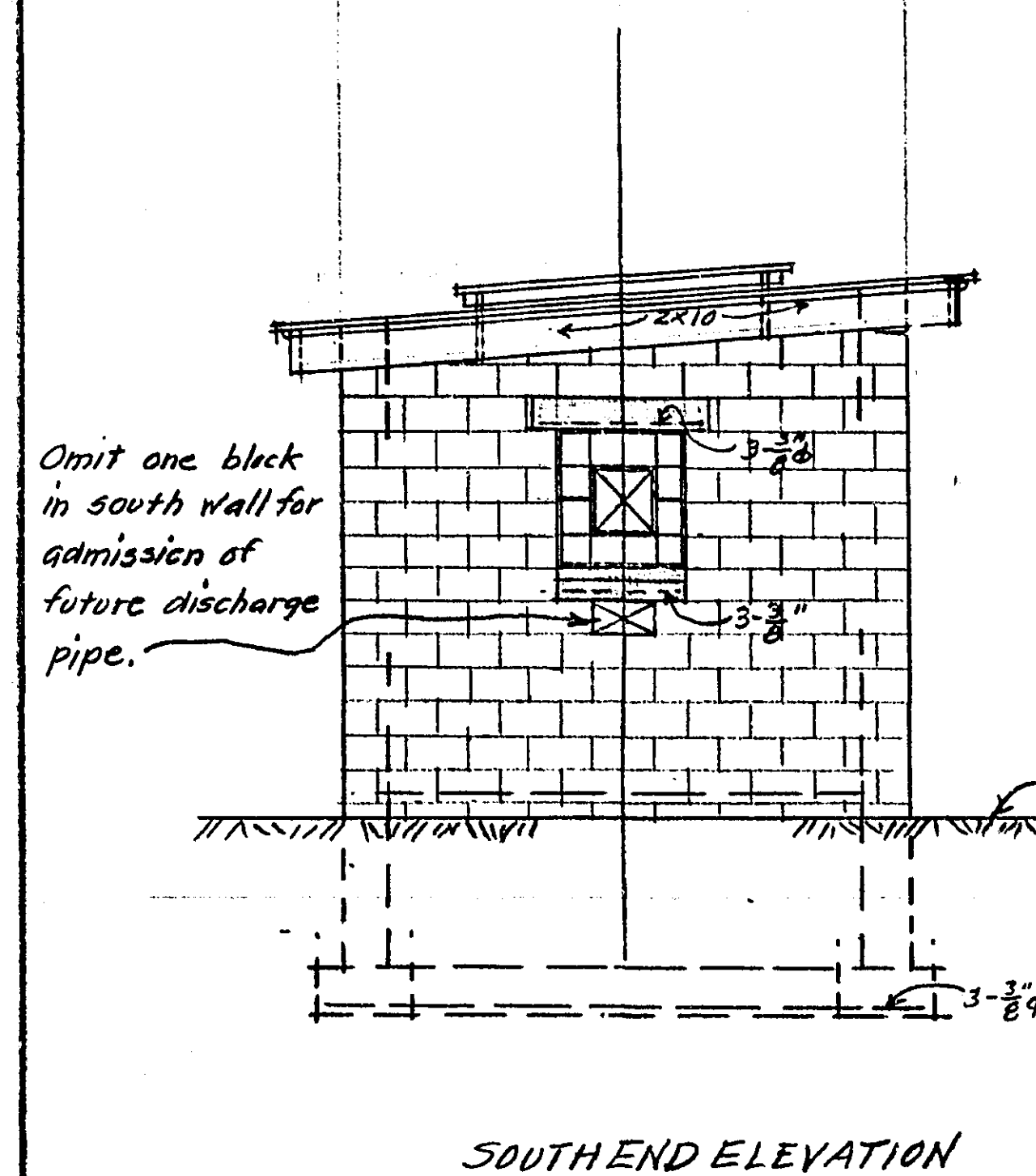
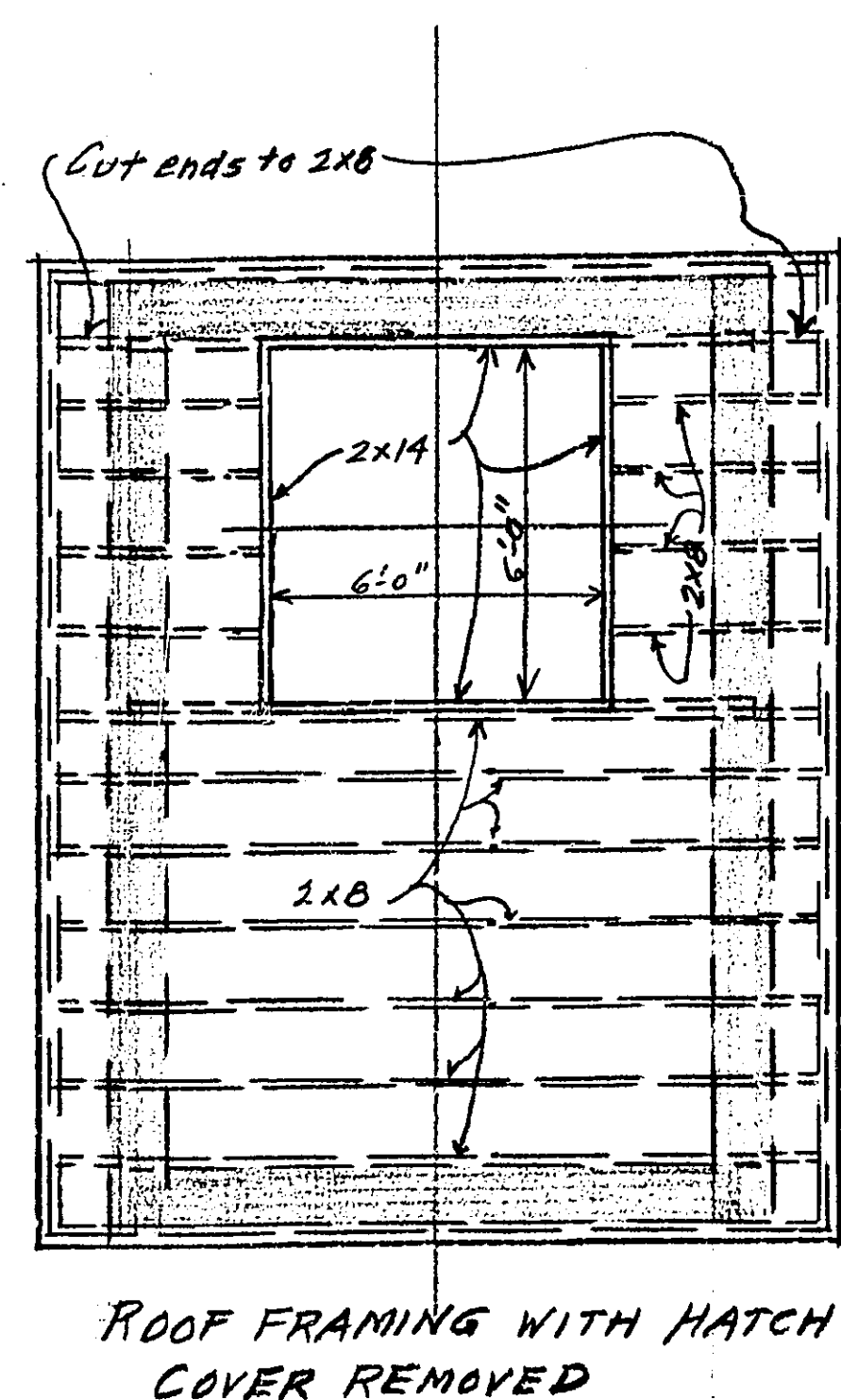
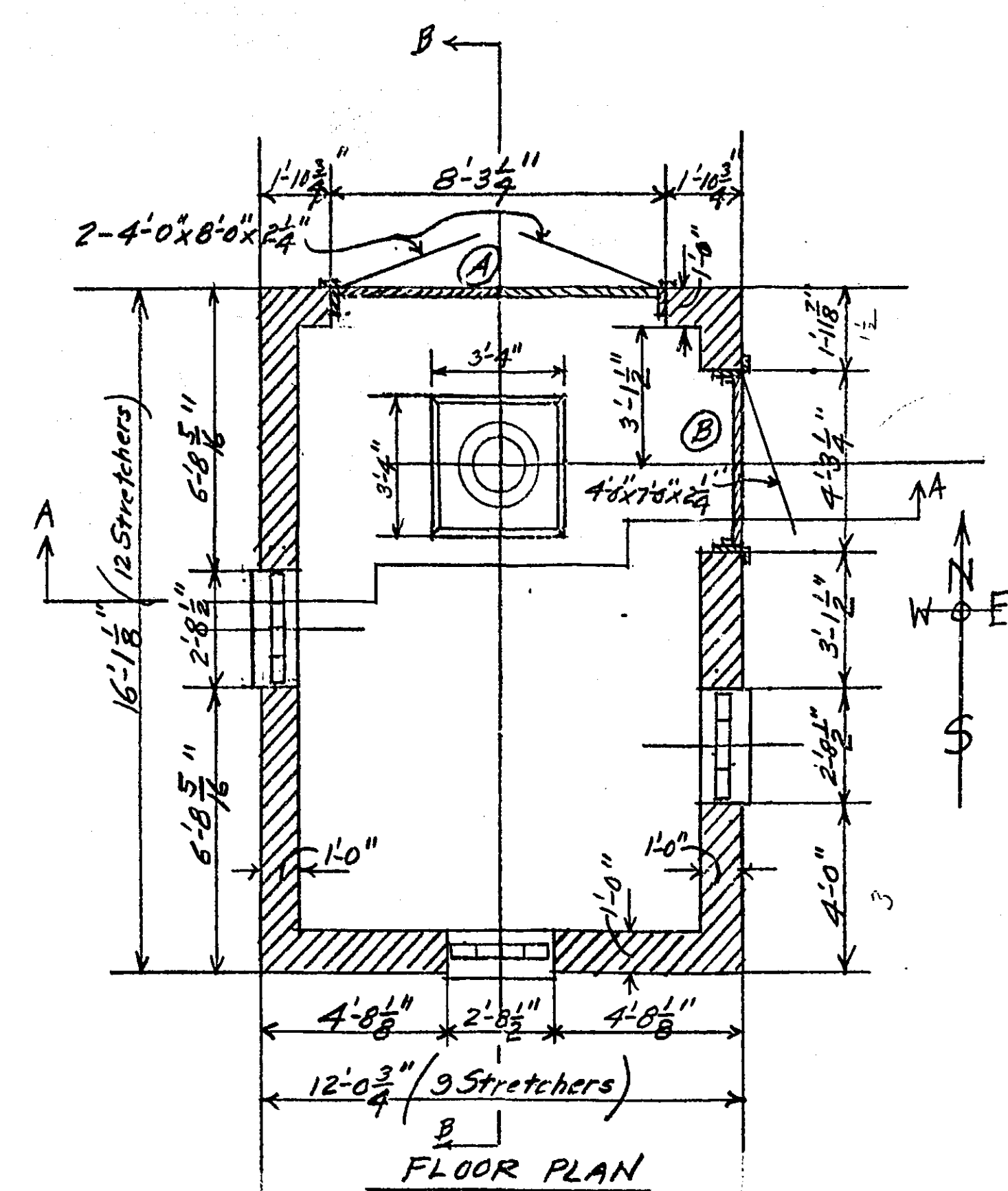




SPECIFICATIONS

- 1- Location:- Pump House will be constructed on the property of the Keller Golf Course. Location is in the Village of Maplewood. Contractor will examine the site and note that the exact location is determined by the 16" well casing now in place and an pump will be installed under a future separate contract. County Engineer will set corner stakes.
- 2- Grading:- Before work is started, County forces will grade site to a level grade and set stakes to indicate Top of Floor Slab.
- 3- Drawings:- These consist of Sheets #1 and #2. Sheet #1 shows general construction and Sheet #2 shows details.
- 4- Excavation and Backfill:- Excavate to depths shown for footings and foundation walls. After footings and foundation walls have set and dried out, backfill and tamp against any possible future settlement around building and under floor slab.
- 5- Concrete:- All concrete for footings, floor slab, sills and lintels to be ready mixed in transit 3000# concrete, built to dimensions shown on drawings. Floor slab to be 5" thick deposited on a well tamped 6" sand fill. Before pouring floor slab, lay one (1) thickness of 6" lapped 515# kraft paper on top of sand fill and deposit floor slab concrete thereon. Top surface of floor slab to be level and have a troweled finish. Exposed surfaces of sills and lintels to be rubbed smooth. See Par. 8 below. See Par. 9 below.
- 6- Hardener:- Surface of concrete floor slab to be treated with Morses or equal hardener as per manufacturers directions.
- 7- Joint:- Where floor slab comes in contact with outside concrete block walls provide a mastic filed joint.
- 8- Pump Foundation:- This will be a solid 3000# concrete foundation extending from the same level as bottom of wall footings to bottom of floor slab and floor slab will extend over it. It will entirely encase the present 16" well casing and will be square on the outside 3'-4" x 3'-4". After installation of the pump, the grouting around the casing above the floor will be placed by the pump contractor.
- 9- Reinforcement:- Floor Slab to be reinforced with 66-99 welded steel wire mesh. See plans for bar reinforcement of footings, lintels, sills etc. Lintel over Door (A) to be 12"x8" with 8" end bearings. Lintels over Windows and Door (B) to be 12"x8" with 6" end bearings. Bars to be new billet stock.
- 10- Concrete Blocks:- These will be standard units, 3 cores, 12"x12"x15 1/2" meeting all requirements of the Building Code of the City of St. Paul. Vertical and horizontal joints to be 3/8" joints flush on inside and tacked on outside. Blocks to be laid in full beds, horizontally and vertically. Reinforce alternate horizontal joints with D-0-Wal Joint Reinforcement. Mortar to be Masonry Cement Mortar, mixed 1:3 (Lane Star or Equal in quality. Provide jamb and corner units as necessary).
- 11- Concrete Brick:- In order to compensate for slope of roof, note that masonry walls will extend up to bottom of roof boards and concrete brick may be used at top of walls as necessary. Provide a tight contact with roof boards by cement grout. Concrete brick may also be used at top of wall between wood joists where they go through.
- 12- Lumber:- Roof Boards to be 1x6 D.M. #2 Fir Boards. All Dimension Lumber such as plank door frames and steps, 2x8 roof joists, 2x10 fascia boards, roof hatch cover framing etc. to be #1 Fir of sizes shown. See Par. 13 below.
- 13- Millwork:- Provide doors (A) and (B) as shown. Doors to be of sizes and thicknesses as indicated, and will be flush doors with vertical V joints. They will be of Clear Vert Grain Old Growth Fir in 3 thicknesses glued together with water-proof glue. Plank frames to be well caulked all around. Note detail on Sheet #2 showing fastening of Door (A) when closed. 4"x4" loose bar to be #1 Fir. See Sheet #2 for casings around Doors. Casings to be #1 Fir.
- 14- Windows:- These to be of glass blocks, unit sizes 12"x12" clear vision Design #70, Owens-Illinois or equal laid up in standard mortar for such construction. Each to have one 4" block ventilator which will be a W.M.C. aluminum projected unit as manufactured by the Wausau Metals Corp. of Schaffield, Wisconsin. They will be hinged at bottom to swing in and be complete with operating hardware. No screens or storm sash. Glaze ventilators with U.S.A. Pennerman clear glass.
- 15- Hardware:- Provide 3-6"x6" Heavy Tee Hinges for each of 3 doors, together with cylinder lock and 3 keys for door (B). Hardware to be Corbin, R.M. or equal. Contractor to submit samples for approval. See Sheet #2 for method of locking Door (A).
- 16- Painting:- All exposed wood work including both sides and edges of doors, door frames, projecting roof joists, bottom of projecting roof boards, 4x4 loose bar at Door A, 2x10 fascia boards, quarter rounds etc. to receive one (1) coat of Pittsburgh Undercoater followed by one (1) coat of Pittsburgh Sun Proof Paint or equal in quality. Color to be Porch Grey. No painting on roof construction on inside. Paint metal covering on Roof Hatch Cover with one (1) coat of Black Ironhide paint.
- Outside of concrete block walls and window reveals will receive one (1) brush coat of Elliotts "Concrete" masonry paint as distributed by the Blomquist Paint Supply Co. or equal in quality. Color will be Meadow Brook Deep Green. This will include sills and lintels. Block walls on inside will not be painted.
- 17- Roofing and Sheet Metal:- Apply to top of roof boards (not on top of Hatch Cover) a 3 Ply Solid mapped built up roof, using 3 plies of well lapped 15# Roofing Felt nailed as necessary with large headed galvanized roofing nails. Carry up roofing around Hatch Cover frame as flashing and nail securely thereto. Upper edges of felt to be nailed to boards with 1" Simplex Roofing Nails 6" on centers. To top and sides of Hatch Cover apply 20 Gauge G.I. Sheet Metal bent down over edges and nailed to edges.
- 18- County Engineer:- All work will be under the supervision of the Ramsey County Engineer, whose representative will be Mr. D.R. Ankian, Lake Improvement Engineer. His decisions will be final in case of any disputes which may arise.
- 19- Cleaning Up:- At completion of job, leave building broom clean. Wash glass blocks and remove all debris from site by hand rakes. Excess dirt from site to be disposed of at pump house location where directed by County Engineer.
- 20- Building Permit:- Contractor will obtain Building Permit from the Village of Maplewood.
- 21- Insurance:- Contractor will carry all types of insurance necessary to save the Owner (Ramsey County) harmless against any law suits or claims resulting from accidents to the public, Contractors Employees or Employees of Ramsey County, such accidents being incident to Operations of Contractor on this job.
- 22- General Note:- It is the intent of Plans and Specifications to produce a complete, finished job and any omissions or omissions therein will not excuse contractor from doing work which should be done from a self evident standpoint.

PLANS SHOWING CONSTRUCTION OF PROPOSED
DEEP WELL PUMP HOUSE

FOR
KELLER GOLF COURSE - RAMSEY COUNTY, MINN.
SCALE 1/4"=1'-0" EXCEPT WHERE NOTED OTHERWISE,
AUGUST 1958
H.S. Bronson, County Engineer, Del.

Note: The pump houses at Keller Golf Course and Lake Johanna were built from these plans and specifications and they will now be used for the proposed Pump House at Round Lake for water level maintenance for Lake Phalen. (1959)

Note: Paragraph #1 states that the well casing is 16", but in the proposed case, the casing is 24". This is the only variation in plans and specifications.

Note: Pump House at Lake Johanna built from these plans, in 1958.

MICROFILMED
RAMSEY CO. ENGR.

Sheet #1

T-110 1/2

