Water Systems Steel Tank - Vista Drive #8

K5

WATER SYSTEMS STEEL TANK

463.sdl CL 7/3/12

SEAMOUNT ADDITION

FERNDALE TERRACE

CITY LIMITS

For details of Reservoir see dwg. No. 4030-1

NOTE
Location Temporary Booster pump

HAWTHORNE HEIGHTS

SO. HAWTHORNE LANE

SIDDLE ADDITION

Exist 4" Line

Plug End
6"-45° Elbow Plug Elbow
6"x6"x4" Tee
6" G.V.

4 Hydrants on 8" Line with 8"x8"x6" Tees.

8"x8"x8" Plug

FERNDALE BLAINE HIGHWAY

6" C.A. Pipe

New 6" C.A. Pipe

8" G.V.
8"x8"x8" Tee

8" G.V.

Exist 4" Line to be salvaged and stored at pump house site

New 8"

Well #4

Exist. Reservoir

Well #3

3 Hydrants 6"x6"x6" Tees

6" G.V.
8"x6"x6" Tee
6" G.V.

Exist 10" Line

6" C.A. Pipe

For details of pumphouse see dwg. No. 4030-2

E. SEAMOUNT

6" G.V.

Cut in 4" G.V.

Exist G.V.

Cut in 4"x4"x6" Tee.

MALLOY ROAD

MEMORIAL HEIGHTS

MEMORIAL DRIV

Provide one 4" Golden Anderson pressure reducing valve, Fig. 48 Double, between existing gate valve 4"x4"x4" Tee, with small angle valve in [illegible] for testing. Provide manhole, [illegible] 24" Dia. Mark "WATER" Olympic Foundry '82 or equal.

NOTES:
All pipe to be C. A. Class 150
Hydrants to be M.V.O. 5" with auxiliary gate valve, valve box and cover, also 2-2½" outlets & 4" pumper outlet & for 30" Trench.
All pipe to have 30" Minimum cover.
The use of hemp, jute, or oakum for yarning material is prohibited; paper or asbestos may be used

Approved:
Town Mayor
Town Clerk Date

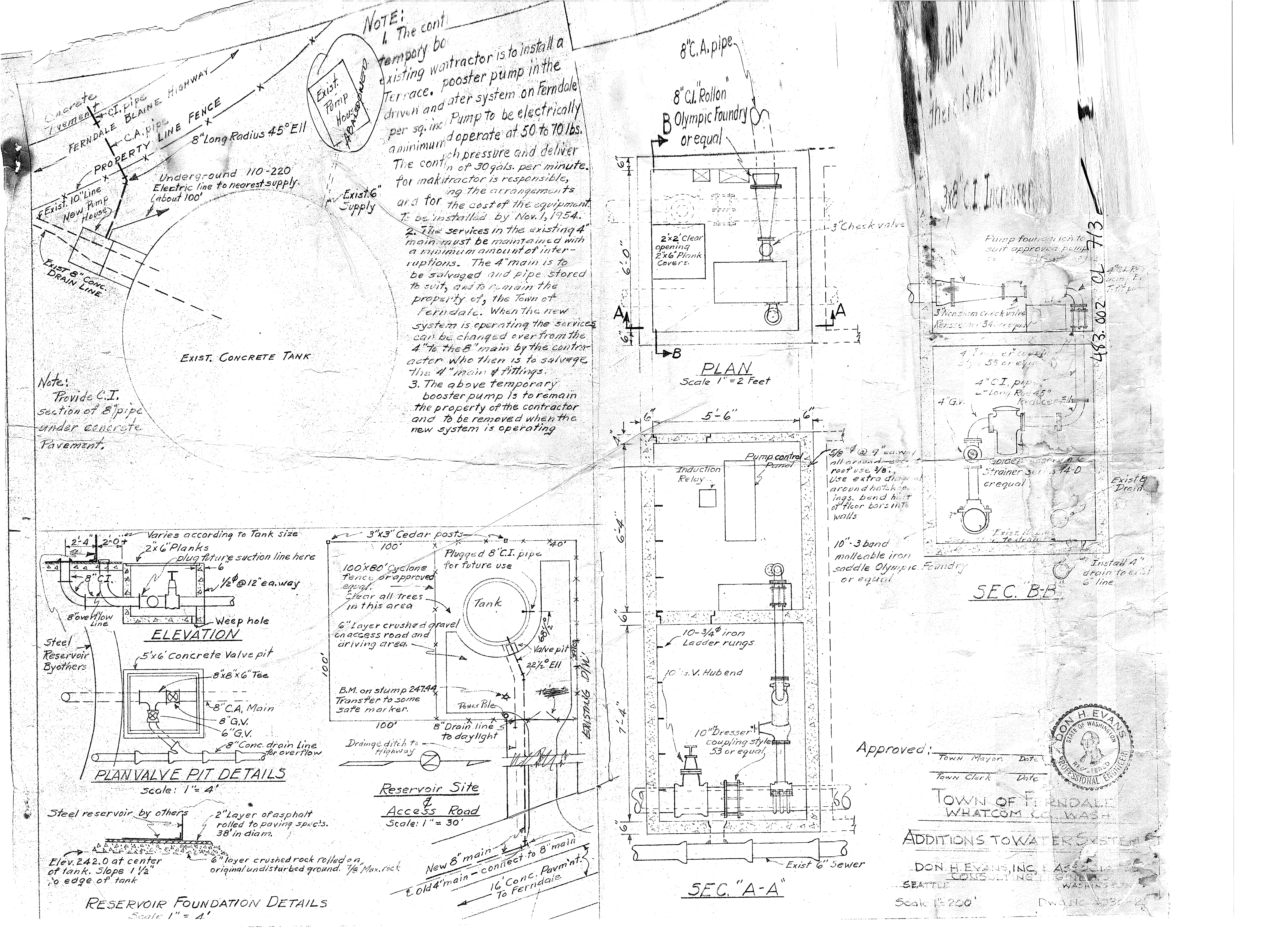
DON H. EVANS STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

TOWN OF FERNDALE
WHATCOM CO., WASH.

ADDITIONS TO WATER SYSTEM

DON. H. EVANS INC. & ASSOCIATES
CONSULTING ENGINEERS
SEATTLE WASHINGTON

Scale: 1"=200' Dwg. No. 4030-1


NOTE:
1. The cont[r]actor is to install a tempory booster pump in the existing water system on Ferndale Terrace. Pump to be electrically driven and operate at 50 to 70 lbs. per sq. inch pressure and deliver a minimum of 30 gals. per minute. The contractor is responsible for making the arrangements and for the cost of the equipment. To be installed by Nov. 1, 1954.
2. The services in the existing 4" main must be maintained with a minimum amount of interruptions. The 4" main is to be salvaged and pipe stored to suit, and to remain the property of, the Town of Ferndale. When the new system is operating the services can be changed over from the 4" to the 8" main by the contractor who then is to salvage the 4" main & fittings.
3. The above temporary booster pump is to remain the property of the contractor and to be removed when the new system is operating
Exist. Pump House ABANDONED
Concrete Pavement
C.I. pipe
FERNDALE BLAINE HIGHWAY
C.A. pipe
PROPERTY LINE FENCE
8" Long Radius 45° Ell
Underground 110-220 Electric line to nearest supply. (about 100'
Exist. 6" Supply
Exist. 10" Line
New Pump House
Exist 8" Conc. Drain Line
Exist. Concrete Tank
Note: Provide C.I. section of 8" pipe under concrete Pavement.
8" C.A. pipe
8" C.I. Rollon Olympic Foundry or equal
3" Check valve
2'x2' Clear opening 2"x6" Plank Covers.
PLAN
Scale 1" = 2 Feet
5'-6"
6"
6'-0"
Pump control Panel
Induction Relay
5/8" @ 9" ea. way all around, roof use 3/8". Use extra diagonal around hatch openings, bend half of floor bars into walls
10"-3 band malleable iron saddle Olympic Foundry or equal
10-3/4" iron Ladder rungs
10" C.I. V. Hub end
10" Dresser coupling style 53 or equal
Exist 6" Sewer
SEC. "A-A"
6'-4"
7'-4"
Pump foundation to suit approved pump
3" Nonslam check valve Renssel... 34 or equal
4" C.I. pipe
4" G.V.
Long Rad 45° Reducer Ell
Golden Anderson Strainer series 14-D or equal
Exist 8" Drain
Install 4" drain to exist 6" line.
SEC. "B-B"
3x8 C.I. Increaser
443.002 CL 713
Varies according to Tank size
2'-4"
2'-0"
2"x6" Planks
plug future suction line here
8" C.I.
1/2" @ 12" ea. way
8" overflow line
Weep hole
ELEVATION
Steel Reservoir By others
5'x6' Concrete Valve pit
8"x8"x6" Tee
8" C.A. Main
8" G.V.
6" G.V.
8" Conc. drain Line for overflow
PLAN VALVE PIT DETAILS
Scale: 1" = 4'
3"x3" Cedar posts
100'
40'
Plugged 8" C.I. pipe for future use
100'x80' Cyclone fence or approved equal.
Clear all trees in this area
Tank
6" Layer crushed gravel on access road and driving area.
Valve pit
22 1/2° Ell
B.M. on stump 247.44 Transfer to some safe marker.
Power Pole
8" Drain line to daylight
Drainage ditch to Highway
EXISTING D/W.
Reservoir Site & Access Road
Scale: 1" = 30'
New 8" main
old 4" main - connect to 8" main
16' Conc. Pavm'nt. To Ferndale
Steel reservoir by others
2" Layer of asphalt rolled to paving specs. 38' in diam.
Elev. 242.0 at center of tank. Slope 1 1/2" to edge of tank
6" layer crushed rock rolled on original undisturbed ground. 1/8" Max. rock
RESERVOIR FOUNDATION DETAILS
Scale 1" = 4'
Approved:
Town Mayor Date
Town Clerk Date
DON H. EVANS REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON
TOWN OF FERNDALE WHATCOM CO. WASH
ADDITIONS TO WATER SYSTEM
DON H. EVANS, INC. & ASSOCIATES CONSULTING ENGINEERS
SEATTLE WASHINGTON
Scale 1"=200'

Concrete Pavement

C.I. pipe

FERNDALE BLAINE HIGHWAY

C.A. pipe

PROPERTY LINE FENCE

8" Long Radius 45° Ell

Exist. Pump House ABANDONED

Underground 110-220 Electric line to nearest supply. (about 100')

℄ Exist. 10" Line

New Pump House

Exist. 6" Supply

EXIST 8" CONC. DRAIN LINE

EXIST. CONCRETE TANK

Note:
Provide C.I. section of 8" pipe under concrete Pavement.

NOTE:

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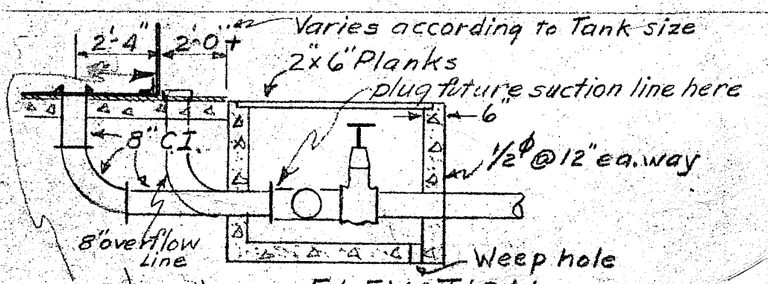
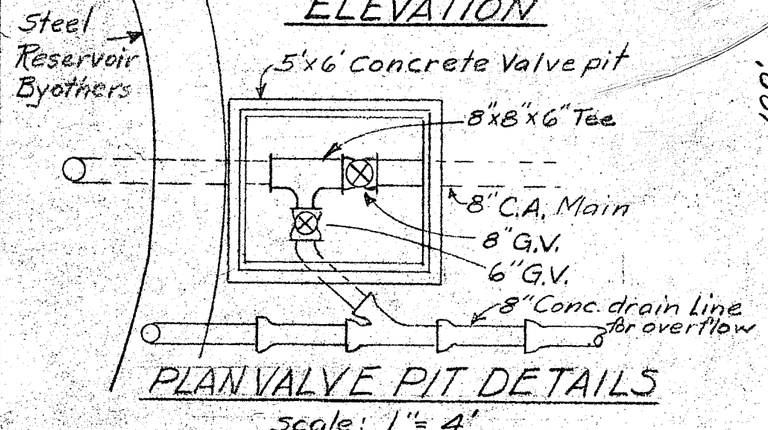
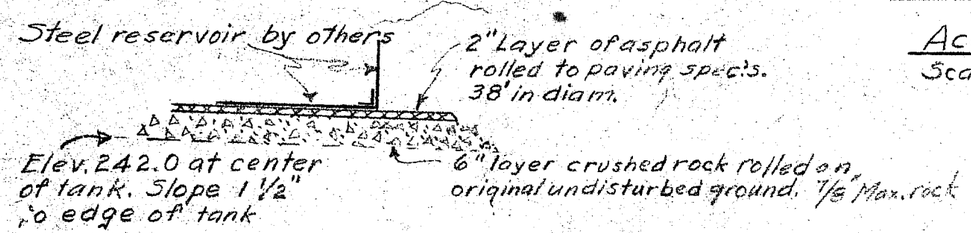


ELEVATION



PLAN VALVE PIT DETAILS
Scale: 1" = 4'



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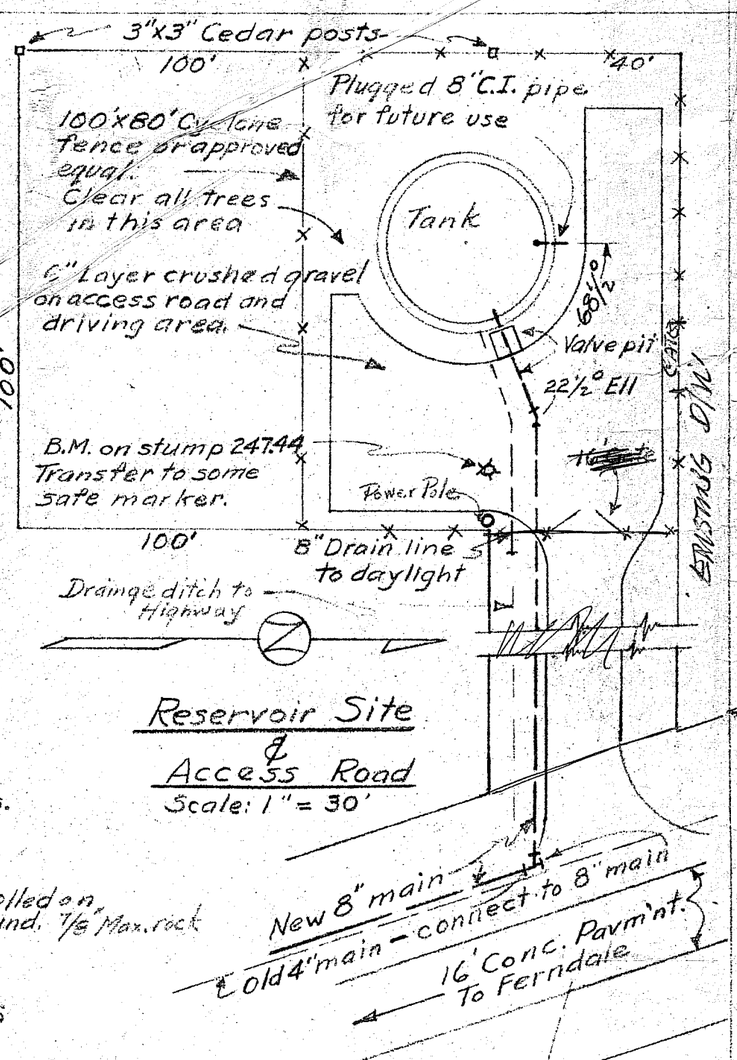
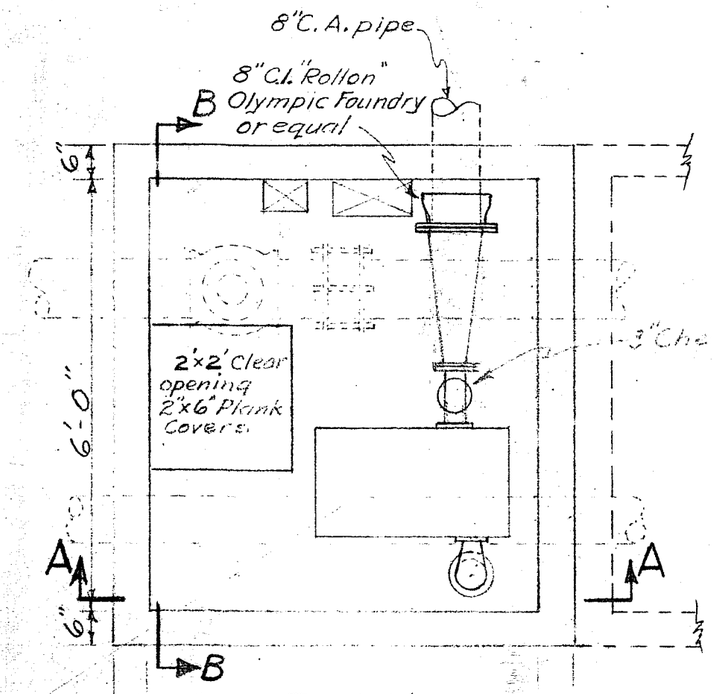
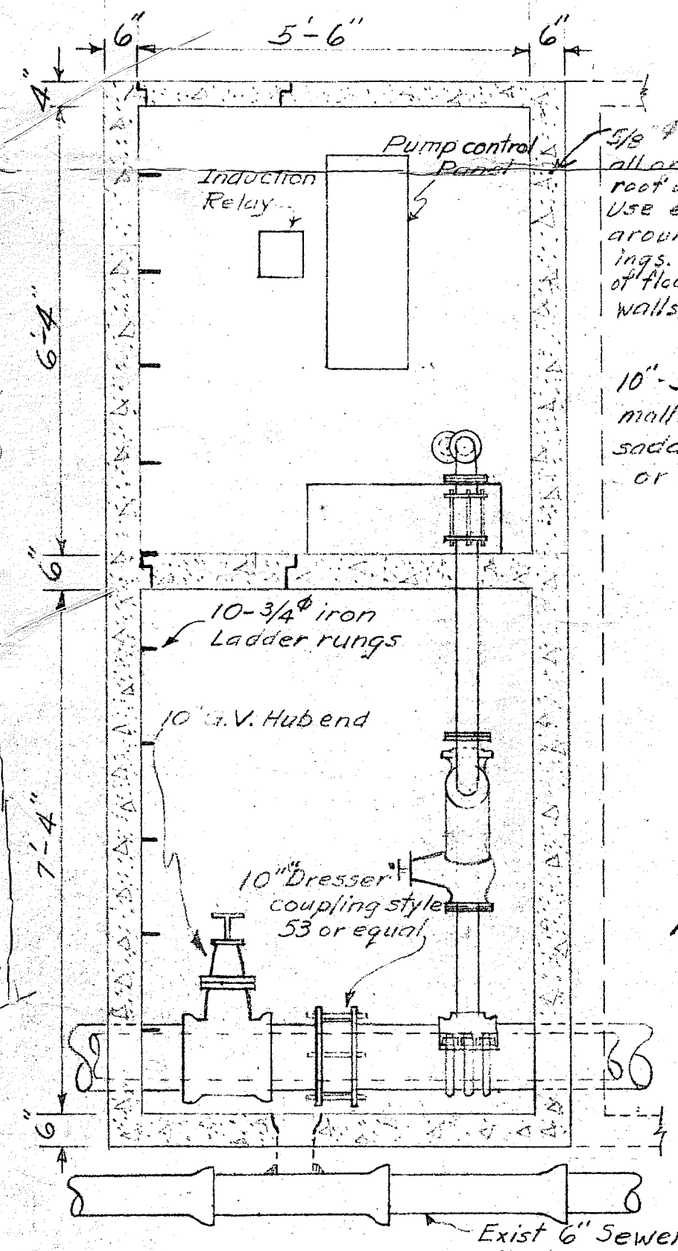


Reservoir Site & Access Road
Scale: 1" = 30'



PLAN
Scale 1" = 2 Feet



SEC. "A-A"

Approved:

TOWN

TOWN C

TOW
WH

ADDITION

DON H.E.
CO
SEATTLE

Scale 1" = 200