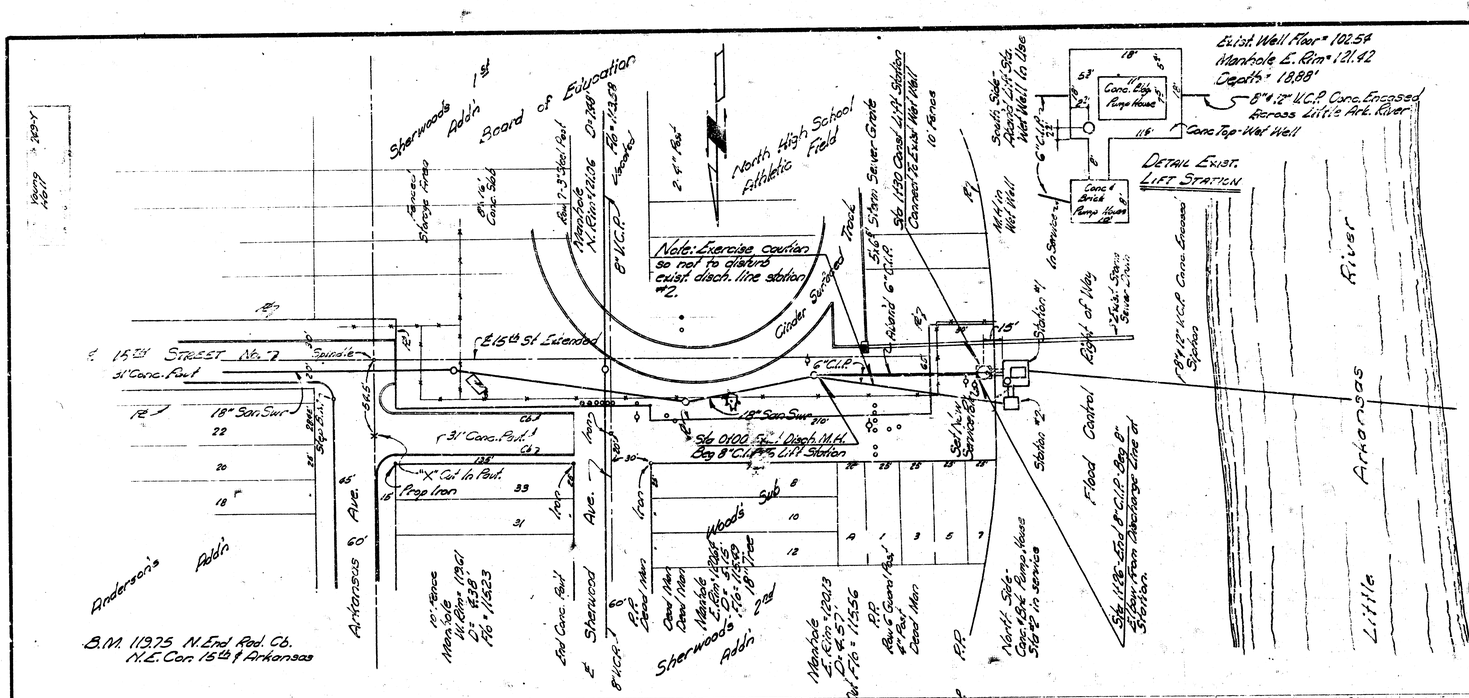
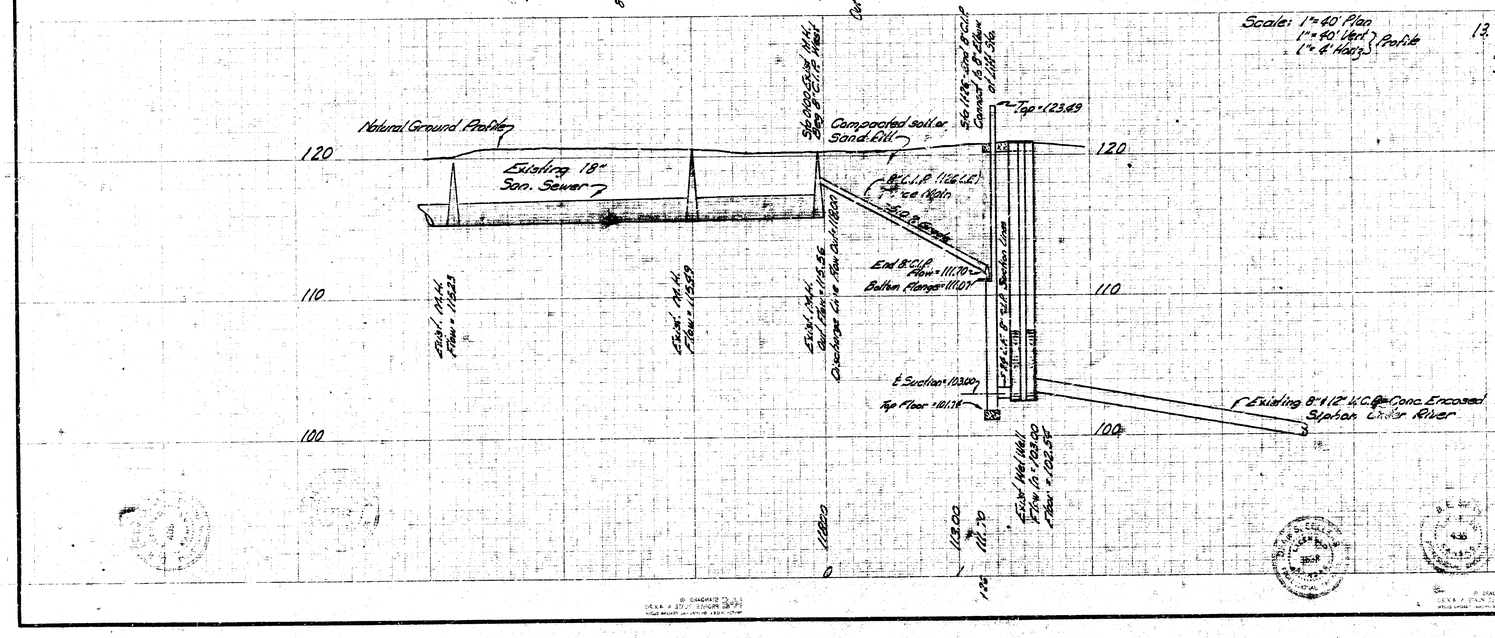


General Notes

1. The new lift station shall be installed East of, and using the existing wet well built in 1926.
2. The lift station shall be constructed without interference of pumping operation of the existing station #2.
3. Existing electric facilities such as conduits, switch boxes, lamps, sump pump in station #2, etc., shall be salvaged & hauled to the city materials yard.
4. Existing pumps in both stations shall be removed and hauled to the city materials yard for storage.
5. Cost of items "by others" shall be included in price bid for purchase and installation of lift station as per plan on sheet #2.
6. Station #2 shall have the walls cut 2 feet below the natural ground. The hole shall be sand filled by jetting to within 1 foot of the natural surface where compacted top soil shall be placed up to the ground level. All waste material shall be removed from the job site & disposed of by the contractor.
7. Electrical conduit shall have a 3"x3" concrete encasement with a bond wire parallel to the conduit pipe as shown on detail.
8. Payment for salvage & hauling of all items such as steel grates, shafts, motors, pumps, piping, steel door, etc. shall be an incidental bid included in the lump sum price for the pump station removal.
9. Removal of un-salvageable 6" C.I.P. extending East from the wet well shall be an incidental bid included in lump sum price for the station removal.
10. Concrete slabs, encasement of conduit, electrical wiring from Lift Station to service pole, service pole, meter, loop and conduit shall be incidental bid items included in price bid for the station.
11. The contractor shall notify K.G.&E. for temporary electrical power to station #2 prior to start of construction.
12. Cost for the wet connection from the station to the wet well shall be included in the price bid for furnishing & installation of pump station.
13. The cost shall compact soil or place sand fill the entire length of the force main. Cost shall be included in price bid for furnishing & installation of pump station.

Scale: 1" = 40' Plan
1" = 40' Vert. } Profile
1" = 8' Horiz.



B. E. SMITH, CITY ENGINEER — JUNE 10, 1968

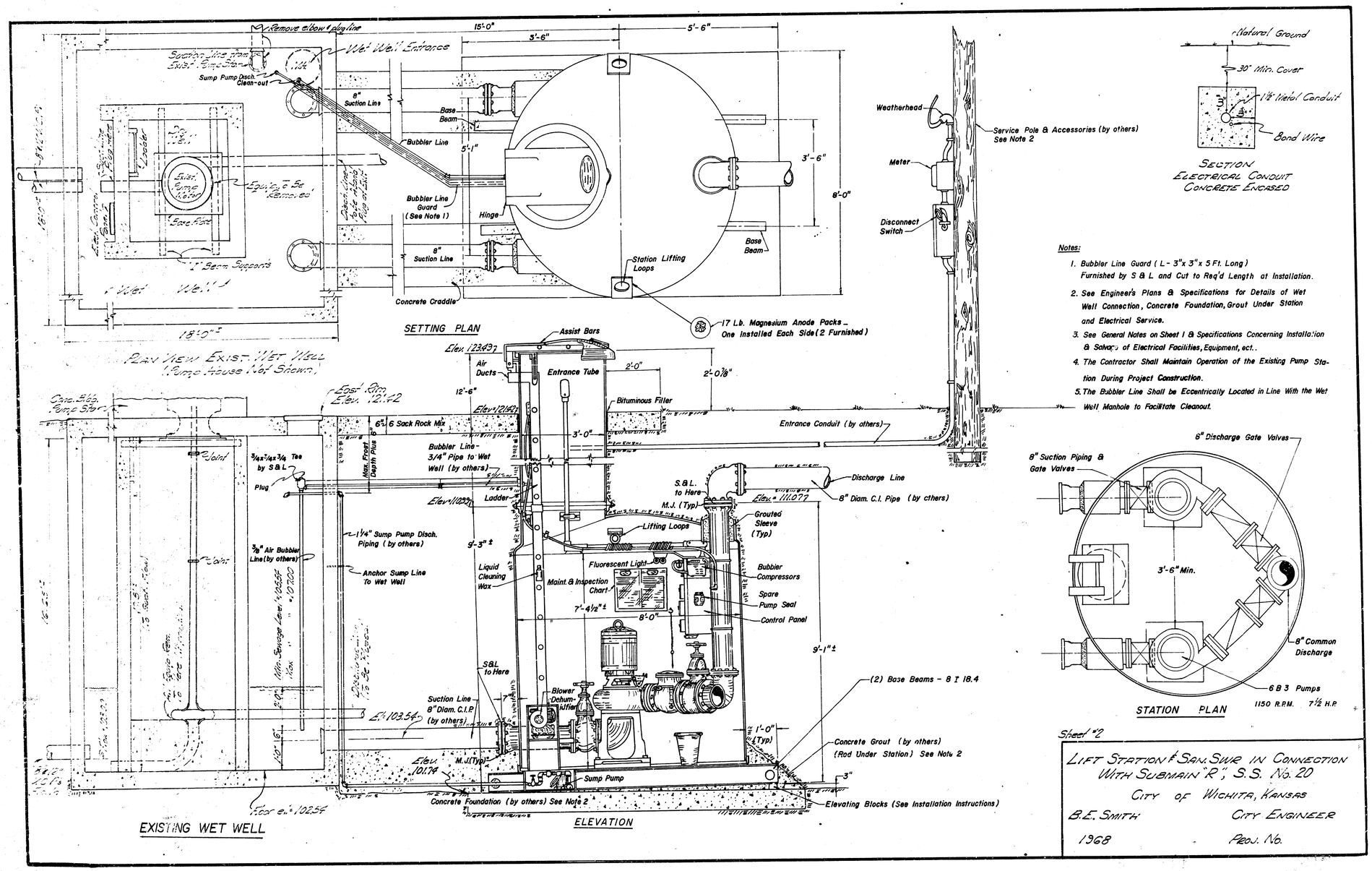
Sheet #1 of 2

PUMPING STATION # S.S. IN CONNECTION WITH SUB. "R", S.S. No. 20

CITY OF WICHITA, KANSAS

B. E. SMITH — CITY ENGINEER

1968 — PROJ. No. U-32


Remove Elbow & plug line
Wet Well Entrance
Section Line from Exist. Sump Sta.
Sump Pump Disch.
Clean-out
8" Suction Line
Base Beam
Bubbler Line
5'-1"
Bubbler Line Guard (See Note 1)
Hinge
Concrete Craddle
Station Lifting Loops
17 Lb. Magnesium Anode Packs - One Installed Each Side (2 Furnished)
15'-0"
5'-6"
3'-6"
8'-0"
Ladder
Exist. Pump Water
Equipment To Be Removed
Exist. Fire
Beam Supports
Wet Well
18'-0"
Plan View Exist. Wet Well (Pump House Not Shown)
Weatherhead
Meter
Disconnect Switch
Service Pole & Accessories (by others) See Note 2
Natural Ground
30" Min. Cover
1½" Metal Conduit
Bond Wire
Section Electrical Conduit Concrete Encased
Notes:
1. Bubbler Line Guard (L - 3"x 3"x 5 Ft. Long) Furnished by S & L and Cut to Req'd Length at Installation.
2. See Engineer's Plans & Specifications for Details of Wet Well Connection, Concrete Foundation, Grout Under Station and Electrical Service.
3. See General Notes on Sheet 1 & Specifications Concerning Installation & Salvage of Electrical Facilities, Equipment, ect..
4. The Contractor Shall Maintain Operation of the Existing Pump Station During Project Construction.
5. The Bubbler Line Shall be Eccentrically Located in Line With the Wet Well Manhole to Facilitate Cleanout.
Setting Plan
Assist Bars
Elev. 123.437
Air Ducts
Entrance Tube
2'-0"
2'-0⅞"
12'-6"
Bituminous Filler
Entrance Conduit (by others)
3'-0"
6" 6 Sack Rock Mix
Bubbler Line - 3/4" Pipe to Wet Well (by others)
Max. Frost Depth Plus 6"
Elev. 112.142
Elev. 112.42
East Rim Elev. 121.42
Conc. Slab. Pump Stat.
Joint
¾x¾x¾ Tee by S & L
Plug
Elev. 112.92
Ladder
S.&L. to Here
M.J. (Typ)
Elev. 111.077
Discharge Line
8" Diam. C.I. Pipe (by others)
Grouted Sleeve (Typ)
Lifting Loops
1¼" Sump Pump Disch. Piping (by others)
9'-3" ±
⅜" Air Bubbler Line (by others)
Anchor Sump Line To Wet Well
Liquid Cleaning Wax
Fluorescent Light
Maint. & Inspection Chart
Bubbler Compressors
Spare
Pump Seal
Control Panel
7'-4½" ±
8'-0"
9'-1" ±
S&L to Here
Suction Line 8" Diam. C.I.P. (by others)
Elev. 103.54
Blower Dehumidifier
(2) Base Beams - 8 I 18.4
1'-0" (Typ)
Concrete Grout (by others) (Rod Under Station) See Note 2
Elev. 101.74
M.J. (Typ)
Sump Pump
3"
Concrete Foundation (by others) See Note 2
Elevating Blocks (See Installation Instructions)
Floor el. 102.54
Existing Wet Well
Elevation
8" Discharge Gate Valves
8" Suction Piping & Gate Valves
3'-6" Min.
8" Common Discharge
6 B 3 Pumps
1150 R.P.M.
7½ H.P.
Station Plan
Sheet #2
Lift Station & San. Swr. in Connection With Submain "R", S.S. No. 20
City of Wichita, Kansas
B.E. Smith
City Engineer
1968
Proj. No.