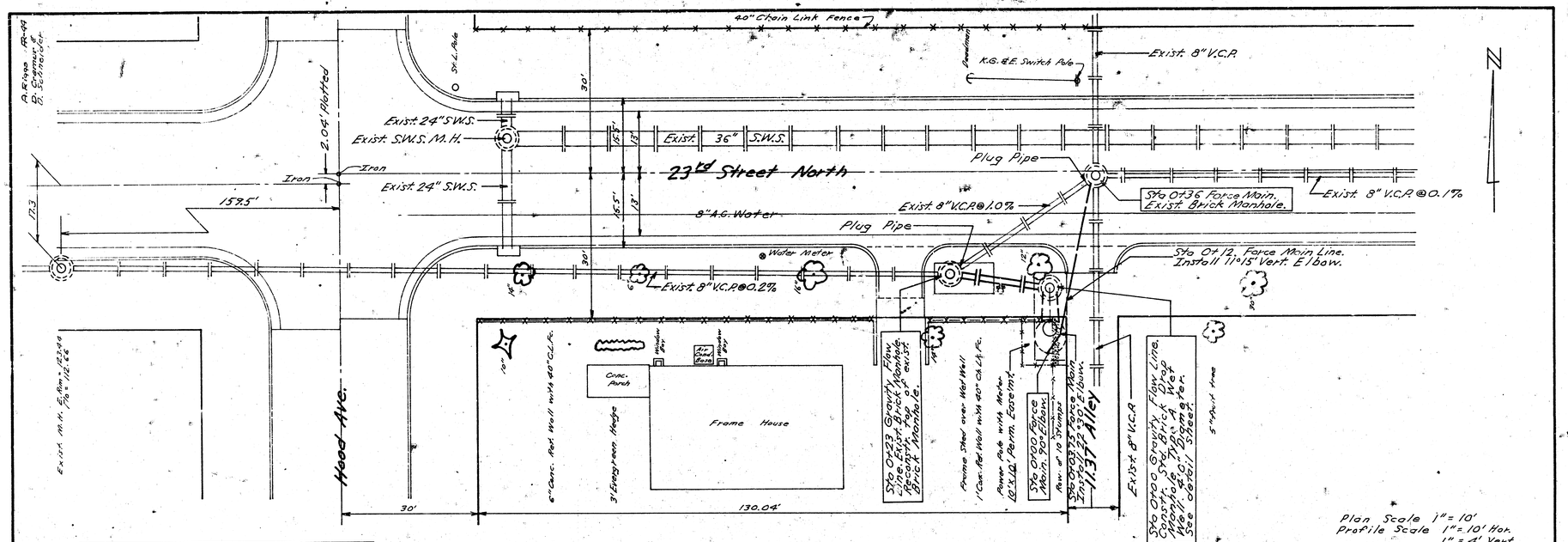


B.M. 125.72 S.E. Corner Conc. Porch House No. 2401 Hood.

General Notes:

#1. Contractor to devise own method for handling sewage, subject to the approval of the engineer, while installing new sewage lift station facilities. All costs incurred by the contractor for handling the sewage will not be paid for directly and are to be included in the bid price for the lift station.

#2. All external electrical wiring to conform with the lift station manufacturer's requirements, the National Electrical Code requirements, and the local code requirements of the City of Wichita.

#3. All waste material to be disposed of by the contractor as approved by the engineer. Existing pump and motor to be transported to the City of Wichita materials storage yard. These items of work to be considered as incidental to the construction of the lift station.

#4. All backfill to be either sand fill or flushed, if excavated material is suitable for flushing. The top one foot of backfill in areas not covered by pavement to be replaced with compacted topsoil.

#5 The bid item Sq. Yds. Pavement Removed and Replaced is to be considered as payment for removing and replacing both concrete and asphalt pavement; including such items as separate curb, separate gutter, integral curb, combined curb and gutter, and saw joint.

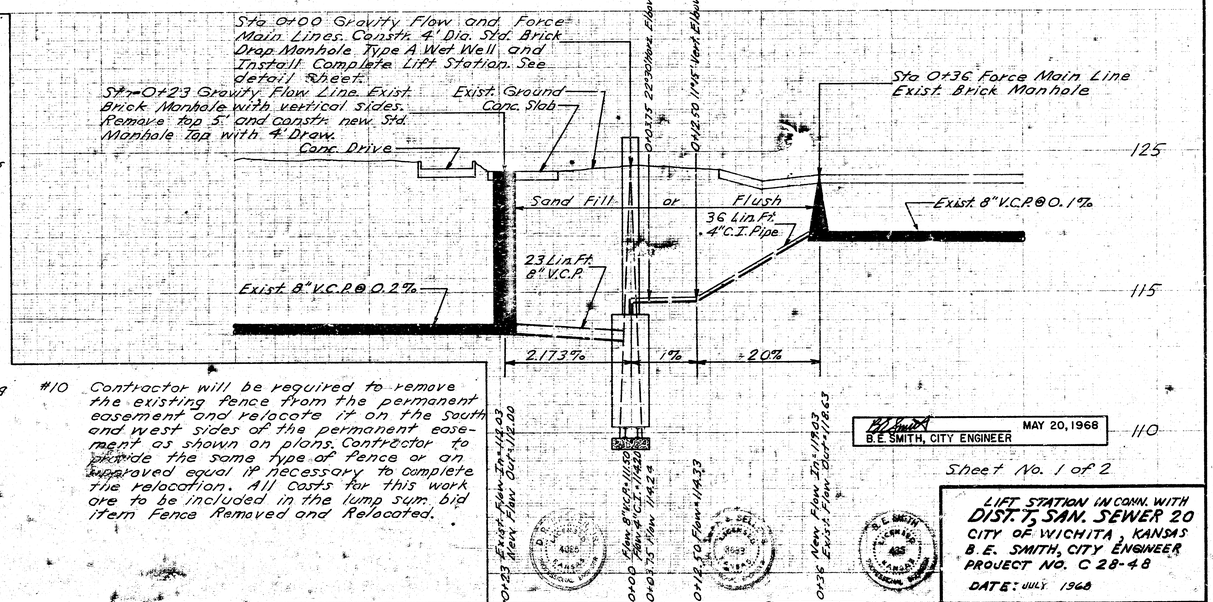
#6 The cost of all 4" cast iron elbows and concrete thrust blocking shall be included in the bid price for Lin. Ft. 4" Cast Iron Pipe.

#7 The concrete pad shall be cured for seven days before placing lift station.

#8 A 6" 6-sack mix 3,000 P.S.I. concrete walk is to be constructed around lift station entrance tube and out to the south line of 23rd Street No. See walk detail on sheet No. 2. Walk will not be paid for directly and the cost is to be included in the bid price for the lift station.

#9 Contractor to either relocate exist. service pole, if in usable condition, or furnish new service pole and this work to be considered as incidental to construction of lift station.

#10 Contractor will be required to remove the existing fence from the permanent easement and relocate it on the south and west sides of the permanent easement as shown on plans. Contractor to provide the same type of fence or an approved equal if necessary to complete the relocation. All costs for this work are to be included in the lump sum bid item Fence Removed and Relocated.



B. E. SMITH, CITY ENGINEER — MAY 20, 1968

Sheet No. 1 of 2

LIFT STATION IN CONN. WITH
DIST. 1, SAN. SEWER 20
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
PROJECT NO. C 28-48
DATE: JULY 1968

Scale 1"=2'

Flow In=112.03

Sta 0+23 Gravity Flow Line Exist. Brick Manhole.

Exist. Frame Stand Pump House with Concrete Floor. New Flow Out=112.00 @ 2.173%

Flow out=111.16

Curb & Gutter

40" Chain Link Fnc. on Conc. Ret. Wall

Property Line

Power Pole with Meter for exist. Pump to be relo.

Remove Conc. Ret. Wall, Chain Link Fnc. on Permanent Easement, Rail Chain Link Fnc. on Easement & Power Lines.

10' Perm. Easement

Chain Link Fence

5'0"

4'0"

10'0"

6'0"

3'2"

23 Lin. Ft. 8" V.C.P. Gravity Flow @ 2.173%

Brick Pipe Support

Note: Exist. pump conc. slab and chrome shaft to be removed. Pump and motor to be transported to City of Wichita Materials Storage Yard.

Flow In=111.50

Pump Chamber

Sta 0+00 Force Main

Access Tube

4" C.I. Suction

3/4" Bubbler Pipe

2" Elm Tree

4" C.I. Suction

4" C.I. Suction

4" C.I. @ 20%

11°15' Vert. Bend

22°30' Horz. Bend

Conc. Thrust Block 8'9"

1% Grade

20% Grade

Flow=118.33

3'9"

1'0" Min.

Property Line

11.37' Alley

Sta 0+00 Gravity Flow Line Constr. Std. 40' Dia. Brick Manhole Type A Wet Well. Walls to be included in Bid Unit Price for Asphalt Pavement (Conc. Base)

Exist. 8" V.C.P.

Flow In=118.81

E. 23rd Street North

Install 36 Lin. Ft. Mech. Joint Cast Iron pipe Discharge Line.

New Flow In=118.03

Sta 0+36 Force Main Exist. Manhole.

Exist. 8" V.C.P.

Flow In=118.74

Flow In=119.84

Exist. 8" V.C.P.

Flow Out=118.63

Concrete Pavement

Pump Chamber

1½" Exp. Joint around tube

2'0"

Entrance Tube

2'6" Walk

6" Walk

South Line 23rd St.

6" Conc. Walk Detail

Scale 1"=2'

NOTE:

1½" electrical conduit to electrical connection on entrance tube. Conduit to be rigid galv. metallic above grade and rigid non-metallic P.V.C. below grade. Bond metal conduit to neutral at weatherhead.

Weatherhead

Meter Box

3 Pole, 4 Wire, Fused, Weather-Proofed Disconnect Switch as approved by Engineer.

Service Pole (Existing) To be Extended as Field Conditions Require

Exist. Ground Elev. 124.00±

3'0" Min.

3'0" Min.

2'0" Min.

3"X3"X¼" Angle Bubbler Line Guard Furnished by Lift Station Supplier.

4" Cast Iron Mechanical Joint Discharge Pipe.

36" Dia. Entrance Tube

10" Min. to Sump Disch. & Air Bubbler Lines.

¾" Air Bubbler Line.

Anchor Sump Line to Wall 5'0" max. Spac.

Plug

¾"x¾"x¾" Tee Furnished by Lift Station Supplier.

¾" Air Bubbler Line.

Flow=114.20

90° Elbow

Conc. Thrust Block

Complete Factory Built Sewage Lift Station (Pumps, motors, and internal fixtures not shown.)

8'9"±

10"±

2" Clear

3" Tilt Block

Sump

3'0"

3" Clear

3,000 P.S.I. Concrete 6 Sack Mix.

Grout Under beams to be 6 Sack sand-mix concrete. Space beneath station to be rodded full with conc.

#4 Transverse bars spaced at 12" c-c.

#6 Longitudinal bars spaced at 12" c-c.

SECTION A-A

Scale 1"=2'

Wet Well Sta. Brick Drop Inlet Pipe=4.40 Dia.

Flow Line Pipe=4.40 Dia. Brick

Flow Line=110.50

Low Fluid Level Elev.=108.50

2'0"

1'0"

10" Const. Slab

3"x3"x¼" Angle

8" I-Beam

5/8" Galv. Anchor Bolts

3" Tilt Block Rear of Station Only

Tie Down Detail

No Scale

Sheet No. 2 of 2

LIFT STATION PLAN IN CONNECTION WITH DIST. T, SAN. SEWER NO. 20

PROJ. NO. C 28-48

Engr-8
Insp-1
50