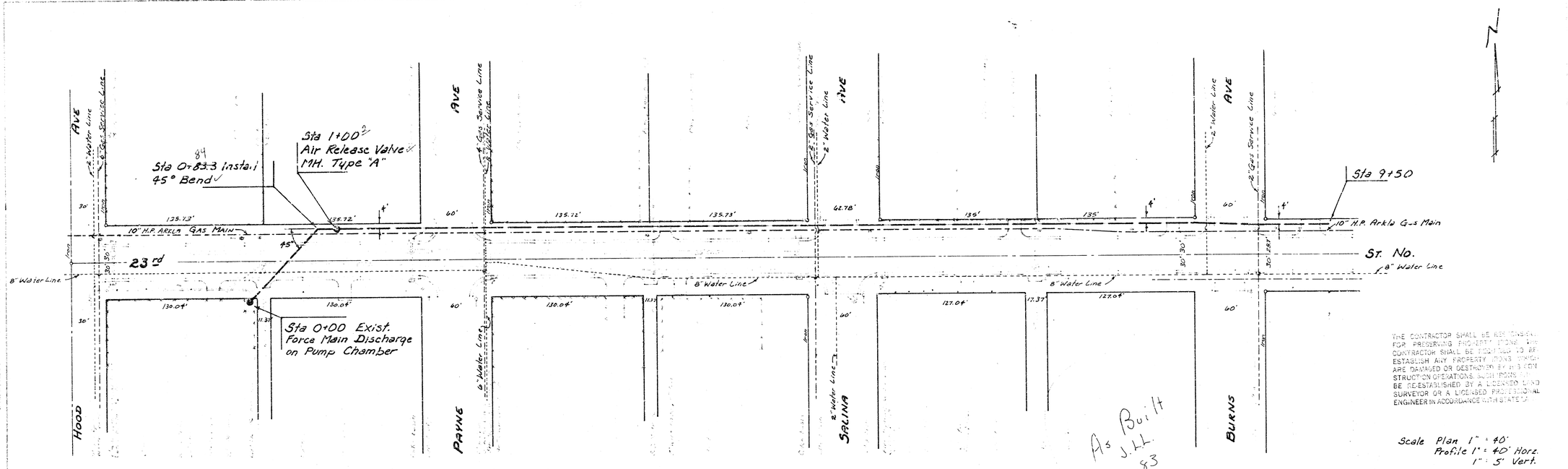

Sta 0+83.3 Install 45° Bend
Sta 1+00 Air Release Valve MH. Type "A"
Sta 0+00 Exist. Force Main Discharge on Pump Chamber
Sta 9+50
10" H.P. Arkla Gas Main
23rd
ST. No.
8" Water Line
HOOD AVE
PAYNE AVE
SALINA AVE
BURNS AVE
2" Water Line
2" Gas Service Line
6" Water Line
130.04'
135.13'
135.72'
135.12'
135.73'
42.78'
130'
135'
127.04'
127.37'
45°
30'
60'
4'
As Built J.L.L. 2-83
N
B.M. 125.77 NE. Cor. Concrete Porch #2561 Salina
B.M. 124.09 NE. Cor. Concrete Porch #2401 Salina
B.M. 125.74 SW. Cor. Concrete Porch #2404 N. Mascot
B.M. 125.61 SE. Cor. Concrete Porch #2401 N. Hood
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY CORNERS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY CORNERS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH POINTS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE OF
Scale Plan 1" = 40'
Profile 1" = 40' Horz.
1" = 5' Vert.
Sta 0+00 Exist. Force Main Discharge on Pump Chamber
Sta 0+83.3 Install 45° Bend
Sta 1+00 Air Release Valve MH. Type "A"
Sta 9+50
125
120
115
110
1/4
1" Force Main
116.55
116.13
116.05
115.95
115.85
115.75
115.65
115.55
115.45
115.40
9
10
0
1
2
3
4
5
6
7
8
100 Lin. Ft. 6" P.V.C. Force Main, SDR. 26
@ + 2.05 % Grade
830 Lin. Ft. 6" P.V.C. Force Main, SDR. 26
@ -0.10 % Grade
MODIFICATION OF LIFT STATION IN CONNECTION WITH DIST. T, S.S. #20 AT 23RD ST. NO. AND SOMERSET
CITY OF WICHITA, KANSAS
R.W. BRUGGEMAN
DIRECTOR OF ENGINEERING / CITY ENGINEER
PROJ. NO. 468-76-245-81152-000-000-001
REVISED 5-25-82

48

Sta 14+~~52~~ Install 45° Bend

Sta 13+00 Grade Change

Sta 16+00

Sta 9+50

AVE.

AVE

AVE

10" H.P. Arkla Gas Main

10" H.P. Arkla Gas Main

23rd ST. No.

8" Water Line

2" Gas Service Line

8" Water Line

2" Water Line

2" Water Line

3" Water Line

4" Gas Service Line

3" Gas Service Line

Sta 14+~~73.8~~ Install 45° Bend

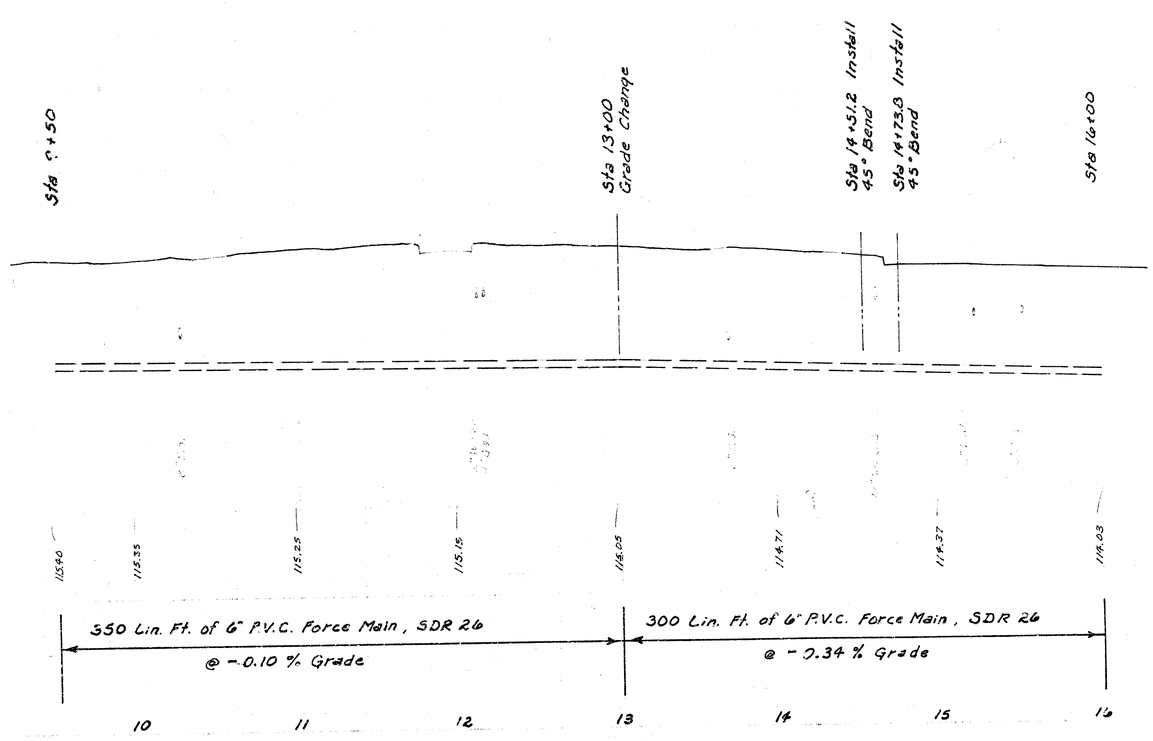
BURNS

WOODLAND

JEANETTE

Scale Plan 1" = 40'
Profile 1" = 40' Horz.
1" = 5' Vert.

As Built
J.L.L.
2-83

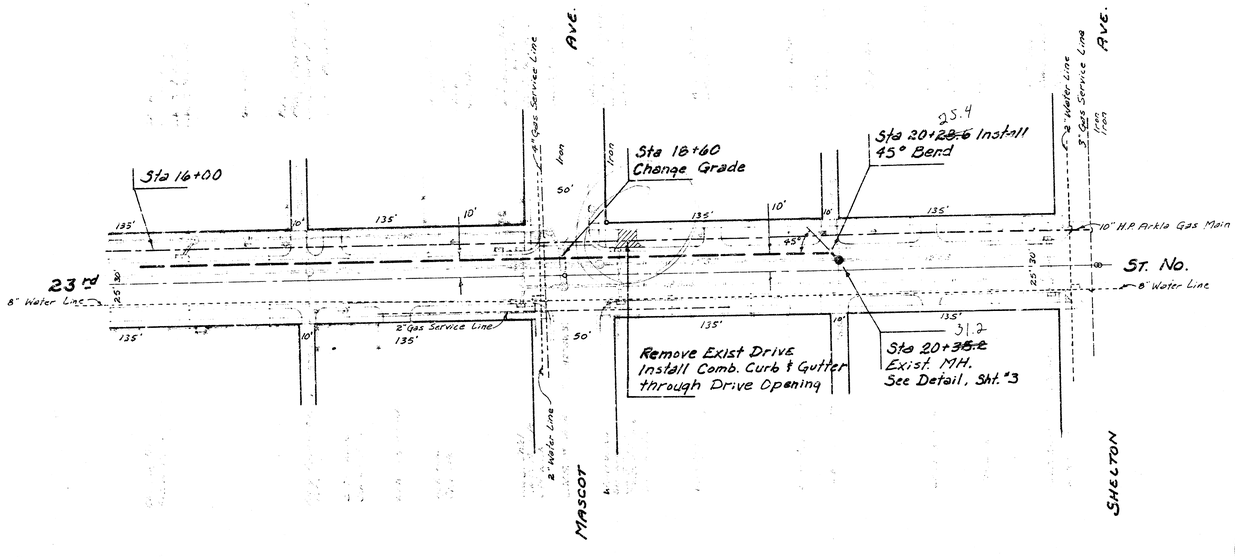


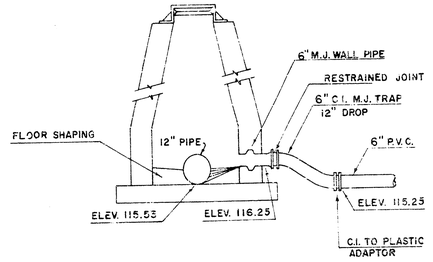
2/4

Modification of Lift Station in connection with
Dist. T. S.S. #20 at 23rd St. No. & Somerset
46R-76-245-81152-000-000-001
REVISED 5-25-82

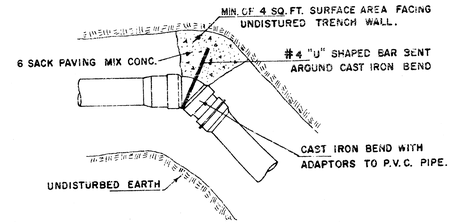
N

Scale Plan 1" = 40'
Profile 1" = 40' Horz.
1" = 5' Vert.



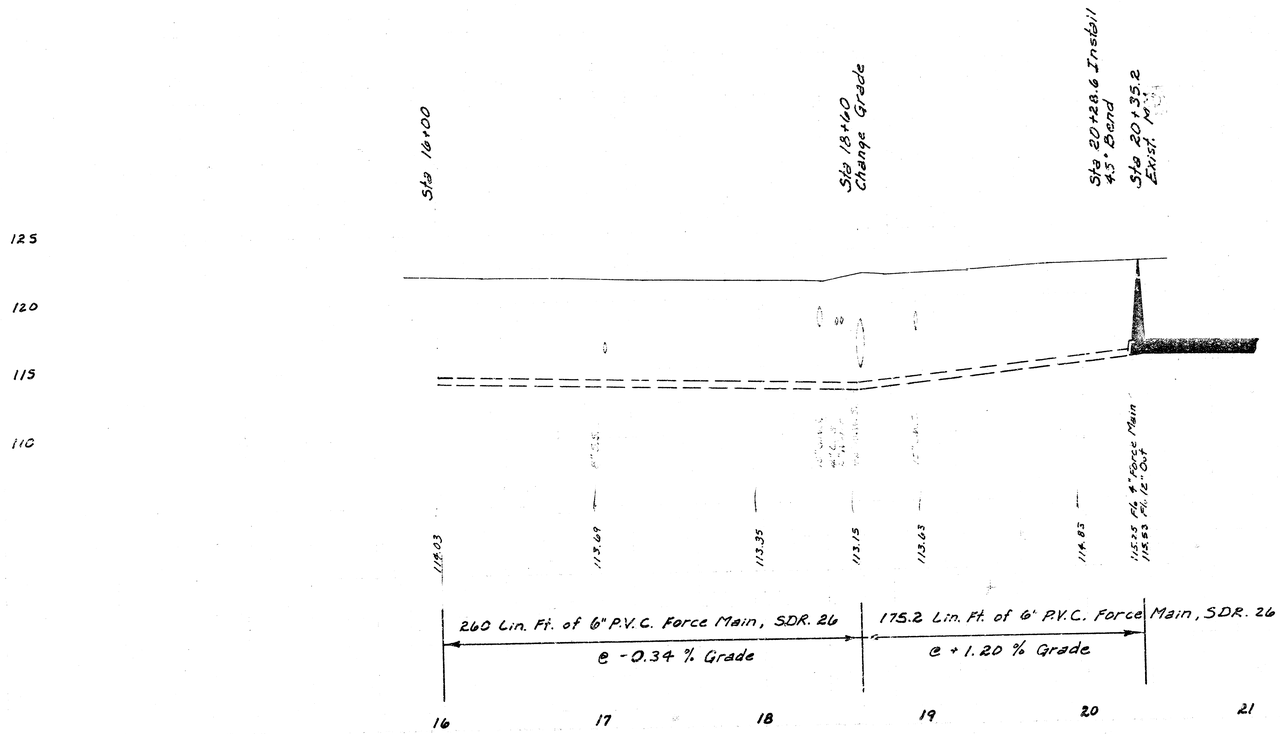


MANHOLE STA. 20+35.2
NO SCALE



THRUST BLOCK DETAIL
NO SCALE

As Built
J.L.L.
2-83



125
120
115
110

3/4

Modification of Lift Station in connection with
Dist. T, S.S. #20 at 23rd St. No. & Somerset
468-76-245-81152-000-000-001
REVISED 5-25-82

Scale 1"=20'

N

Flow In=112.03

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

Exist. Frame Slab with Cast Iron Manhole Cover.
New Flow Out=112.00

23 Lin. Ft. 8" V.C.P. Gravity Flow @ 2.13%

Curb & Gutter

Exist. 8" V.C.P.

Flow Line Sta. Brick Drop Inlet Wet Well.

Property Line

10' Chain Link Fence on Conc. Ret. Wall

REMOVE EXIST. 4" FORCE MAIN AS NECESSARY TO FACILITATE NEW CONSTRUCTION. PLUG END OF REMAINING PIPE.

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

Remove Conc. Ret. Wall and Chain Link Fence on Permanent Easement. Reconstruct Fence. Chain Link Fence to be Salvaged.

10' Perm. Easement

10' Room Easement

3'-0" | 4'-0" | 10'-0" | 6'-0" | 3'-2"

Flow In=111.50

Pump Chamber

Sta 0+00 Force Main

Access Tube

4" C.I. Suction

3/4" Rubber Pipe

12" Elm Tree

45°±

4" C.I. Suction

4" C.I. @

1/8 Bend

11°15' Vert. Bend

22°30' Horz. Bend

1% Grade

Conc. Thrust Block

Flow=114.33

4" C.I. @ 20%

20% Grade

3'-7"

1'-0" Min.

Brick Pipe Support

Note: Existing pump, slide rails and frame steel to be removed. Pump and motor to be stored at the Dept. of Public Works Storage Yard.

Asphalt Pavement (Conc. Base)

Exist. 8" V.C.P.

Flow In=118.61

EXIST. 4" FORCE MAIN TO BE ABANDONED

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

New Flow In=119.03

2 Concrete Pavement 2

Exist. 8" V.C.P.

Flow In=113.74

PLUG

Flow Out=113.63

Exist. 8" V.C.P.

REALIGN ELBOW ON FORCE MAIN DISCHARGE FROM PUMP CHAMBER. INSTALL 4" TO 6" INCREASER AND ADAPTER FROM CAST IRON PIPE TO P.V.C. PIPE. RESTRAIN ELBOW TO PUMP CHAMBER OR WITH THRUST BLOCK.

LOCATION OF NEW 6" P.V.C. FORCE MAIN.

Pump Chamber

12" Exp. Joint around Tube

Entrance Tube

South Line 23rd St.

6" Conc. Walk Detail
Scale: "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 Pole Lengthened) by Pole Engineer

3'-0" Min.

3'-0" Min.

36" Dia. Entrance Tube

4" Cast Iron Mechanical Joint Discharge Pipe.

Flow=114.20

90° Elbow

Conc. Thrust Block

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

2'-9"

10'-1"

2-5/8" x 1/4" Anchor Bolts 2"x3"x1/4" Angle Iron Corners. See detail.

2" Clear

3" Tilt Block

Sump

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

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

3" Clear

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

#5 Longitudinal bars spaced at 12" c.c.

SECTION A-A
Scale 1"=2'

Sta 0+36 Force Main Exist. Manhole.

Exist. 8" V.C.P.

Flow In=118.84

3"x3"x 1/4" Angle

8" I-Beam

5/8" Galv. Anchor Bolts

3" Tilt Block, Rear of Station Only

Tie Down Detail
Scale

PLAN SHOWING EXISTING LIFT STATION LOCATION AND NEW FORCE MAIN LOCATION
LIFT STATION PLAN IN CONNECTION WITH DIST. T, SAN. SEWER NO. 20
PROJ. No. 468-76-245-81152-000-000-001

REVISED 5-25-82