Sta. 0100.0 Construct brick Wet-well. Const. Lift station enclosure. Install wet-well mounted sewage pump See sheets No. 3 & 4 for details.

NOTE: Thimble N.L. 3rd @ E. Seneca.

SENECA ST.

B. M. 113.00 Iron in thimble at N. W. Corner of Sec. 20, T 27 S, R. 1, E. of the 6th P. M.

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

MID-AMERICA ALL INDIAN CENTER BUILDING

Proposed TWO RIVERS ADDITION LOT 1 BLOCK A

Transformer and Cooling Tower Pad

Clean Out

455'

455'

53.17'

76°

NOTE: Save Pine trees.

R = 50'
Δ = 41° 30'
L = 36.2'

Elec. high line

6" Gas, 8ft. west Conc. Encase.

RCCP 365

24"

275'

89° 50' 30"

138° 51'

W

W

W

193.8'

AVE.

Iron in thimble. NW. Cor. Sec. 20, 27S, R. 1, E. of the 6th P. M.

219.8'

Stone

Sta. 3+70.0
2°-30' defl. Lt.
Min. R = 30'

STACKMAN

DRIVE

Sta. 9+40

Top of design bank 1297.6 Sea level 109.6 C. D.

Pines

93° 39'

20"

103.36

Light pole

Wall on base line

4" on base line

Exist. Pavement

Exist. Conc. Sidewalk

Sta. 6+45
4° Defl. Lt.
Min. R = 30'

Replace Sidewalk to new location as shown.

RESERVE

1288.0 B. L.

Sta. 1+27 P.C.

Sta. 1+63.2 P.T.

Proposed Rt. bank Little Arkansas River

Exist. Conc.

RIVER

LITTLE ARKANSAS

CENTRAL

BRIDGE 16'

NOTE: Use extreme caution when crossing over existing 24" RCCP Water main.

NOTE: Replace fence, Pavement and Sidewalks.

NOTE TO CONTRACTOR:
Trench for force main may be in an area filled with broken concrete and debris. Contractor should investigate soil condition.

Sta. 0+00 Const. Brick wet-well. Const. Lift Station Enclosure. Install Wet-Well mounted Sewage Pump See sheet No. 3 and 4 For details.

1304.6 Sea level

116.10

Loose Fill

Sta. 1+67.0 P.C.

Sta. 1+63.2 P.T.

Sta. 1+85 Exist. 24" RCCP Water main.

2+73 Exist. 20" Water line Top 111.58

Sta. 3+48 Exist. 16" Water line C. L. Top 111.10

Sta. 3+70, 2° 30' defl. Lt. Min. R = 30'

Sta. 4+65 Exist. 10" S. W. S.

Sta. 6+45 4° defl. Lt. Min. Rad. = 30'

Sta. 9+40

Exist. ground

Fl. 10" SWS 108.89

Top of design bank 1297.0 Sea level. 109.6 C. D.

4.50% grade

+0.20% grade

108.18 105.34 105.41 105.61 105.81 106.01 106.21 106.41 106.61 106.81 106.89

1120 1170

50 Lin. ft. of 6" Conc Encase'm't

1146.0 Flo in 6" C.I.P. 112.68 Distance elev.

7.0'

933 Lin. ft. of 4" High Density Polyethylene Schedule 40 Pipe.

Force Main

0 1 2 3 4 5 6 7 8 9 10

120 115 110 105 100

As Built 3-26-76

DONALD E. SCHINGLE LICENSED 5311 KANSAS REGISTERED PROFESSIONAL ENGINEER

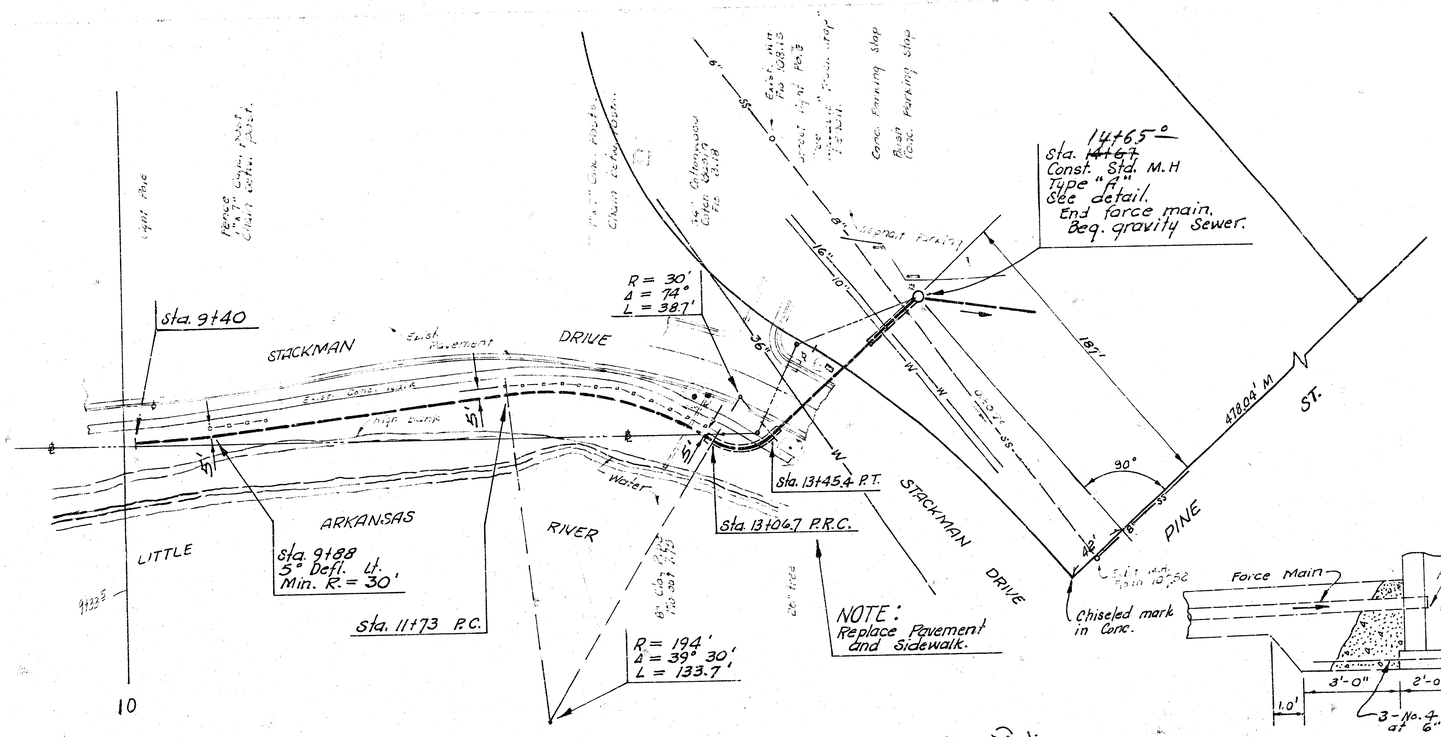
MID-AMERICA ALL INDIAN CENTER
LIFT STATION, FORCE MAIN AND SANITARY SEWER
CITY OF WICHITA, KANSAS
R. W. LINN — CITY ENGINEER
DATE: PROJECT NO. WMKB525430

1/6

1/6

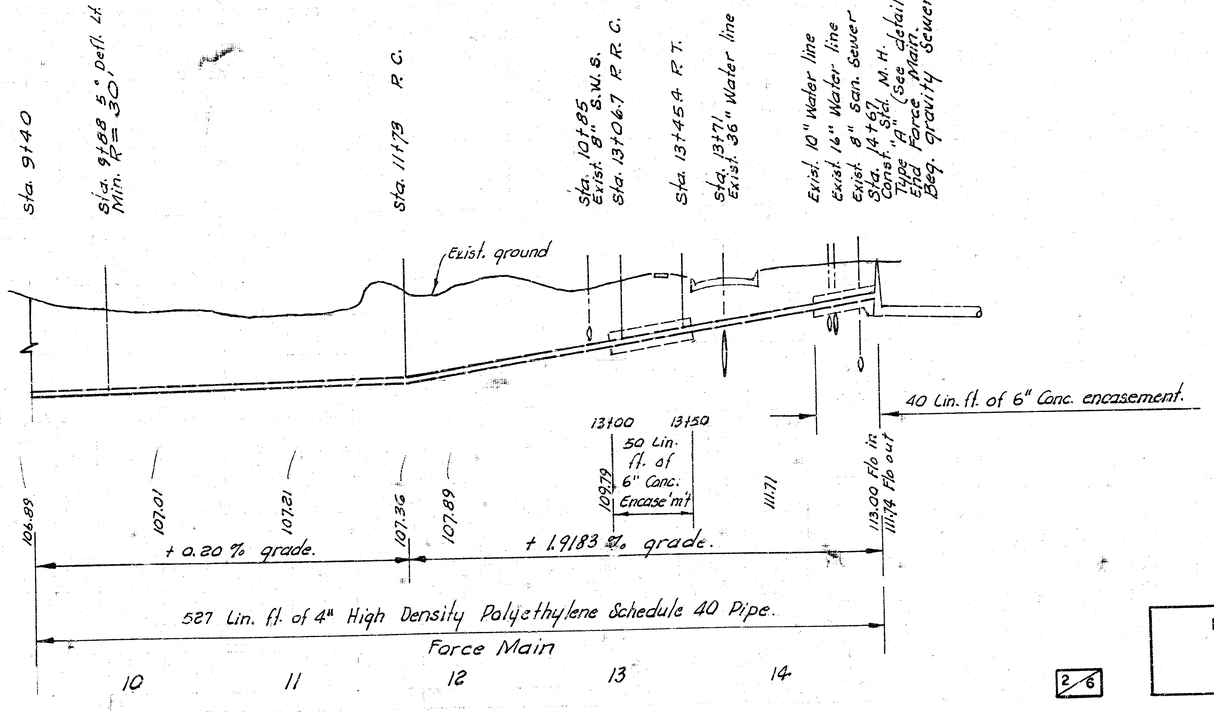
DLK 1, E. S.
J. R. W.
LES-3, LES-3A DLK 21 B

B. M. 114.78 "D" Top N. cb Pine @ ℄ 4' walk N. on W. L. Stackman Dr.



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

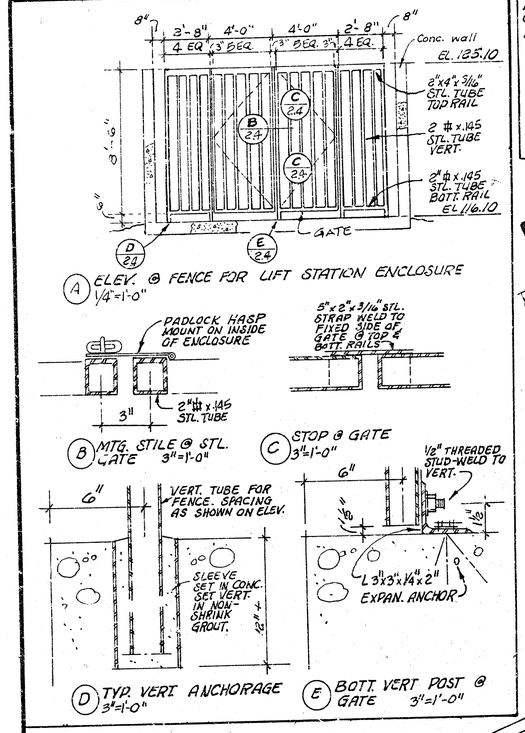
MANHOLE DETAIL
TYPE "A"
Sta. 14+67.0



LES-3A

MID-AMERICA ALL INDIAN CENTER
LIFT STATION AND FORCE MAIN
PROJECT NO. WMKB525430

2/6



(A) ELEV. @ FENCE FOR LIFT STATION ENCLOSURE 1/4"=1'-0"

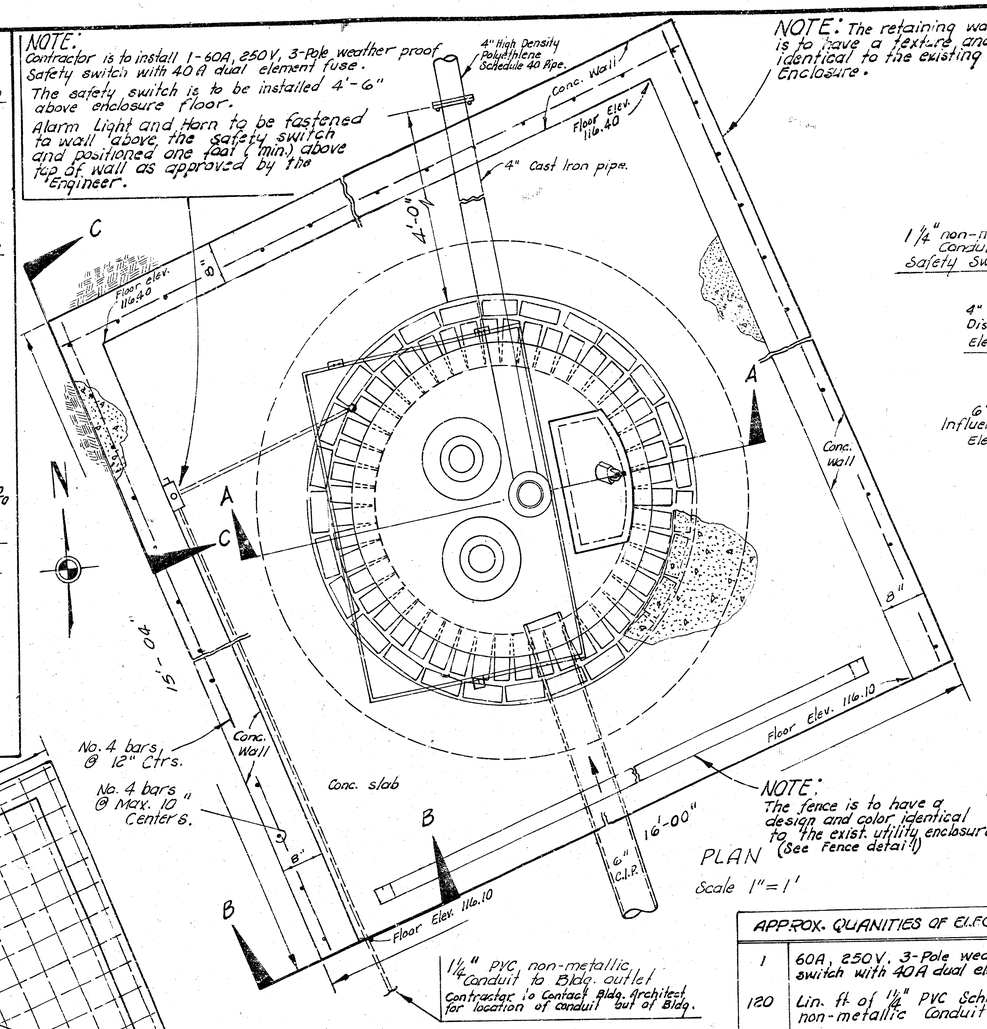
(B) MTG. STILE @ STL. GATE 3"=1'-0"

(C) STOP @ GATE 3"=1'-0"

(D) TYP. VERT ANCHORAGE 3"=1'-0"

(E) BOTT. VERT POST @ GATE 3"=1'-0"

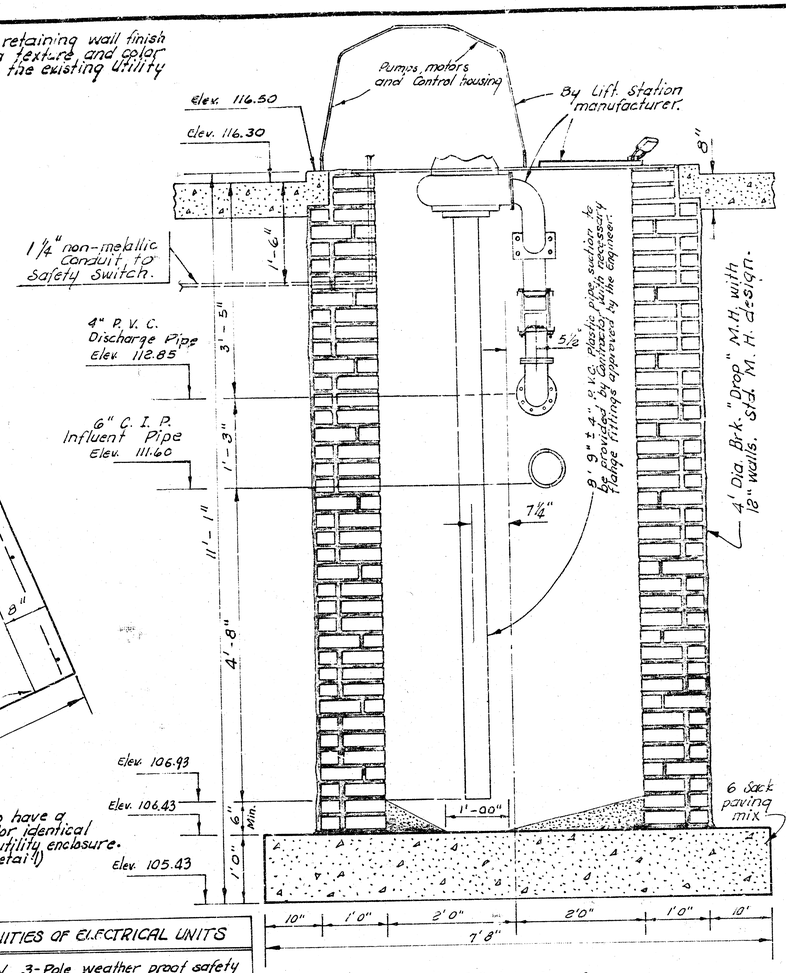
NOTE: Contractor is to install 1-60A, 250V, 3-Pole weather proof Safety switch with 40 A dual element fuse. The safety switch is to be installed 4'-6" above enclosure floor. Alarm Light and Horn to be fastened to wall above the safety switch and positioned one foot (min.) above top of wall as approved by the Engineer.



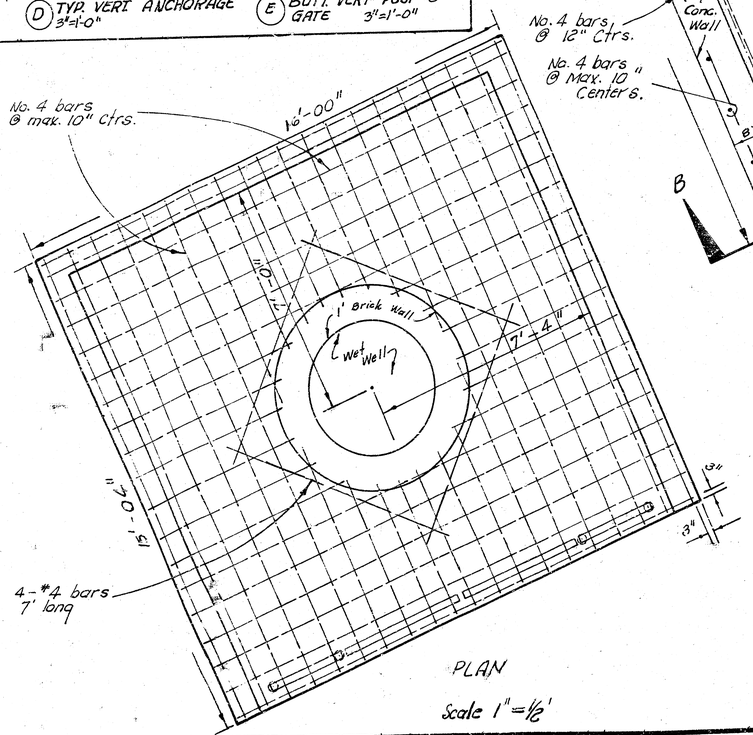
NOTE: The fence is to have a design and color identical to the exist. utility enclosure. (See Fence detail)

PLAN
Scale 1"=1'

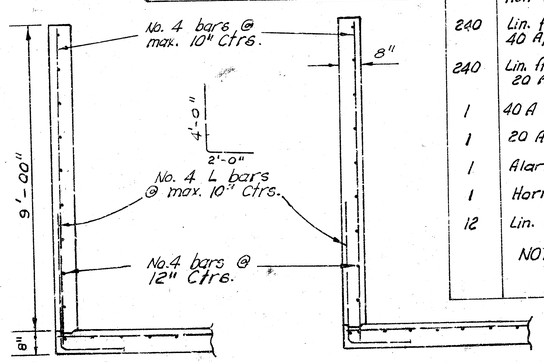
NOTE: The retaining wall finish is to have a texture and color identical to the existing Utility Enclosure.



SECTION A-A
Scale 1"=1'



PLAN
Scale 1"=1/2'



SECTION B-B
Scale 1"=1/2'

SECTION C-C

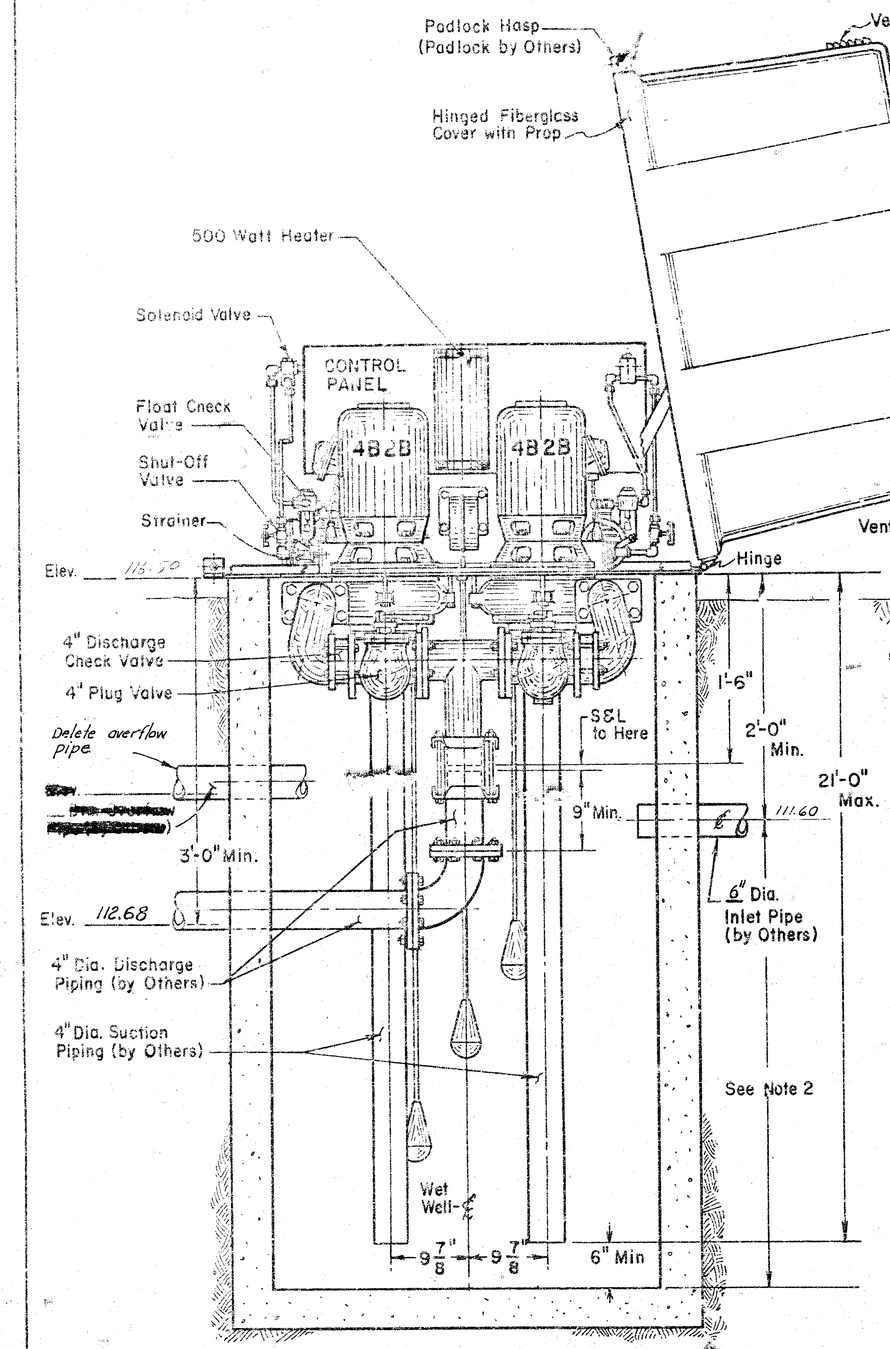
1 1/4" PVC non-metallic conduit to Bldg. outlet. Contractor to Contact Bldg. Architect for location of conduit out of Bldg.

APPROX. QUANITIES OF ELECTRICAL UNITS

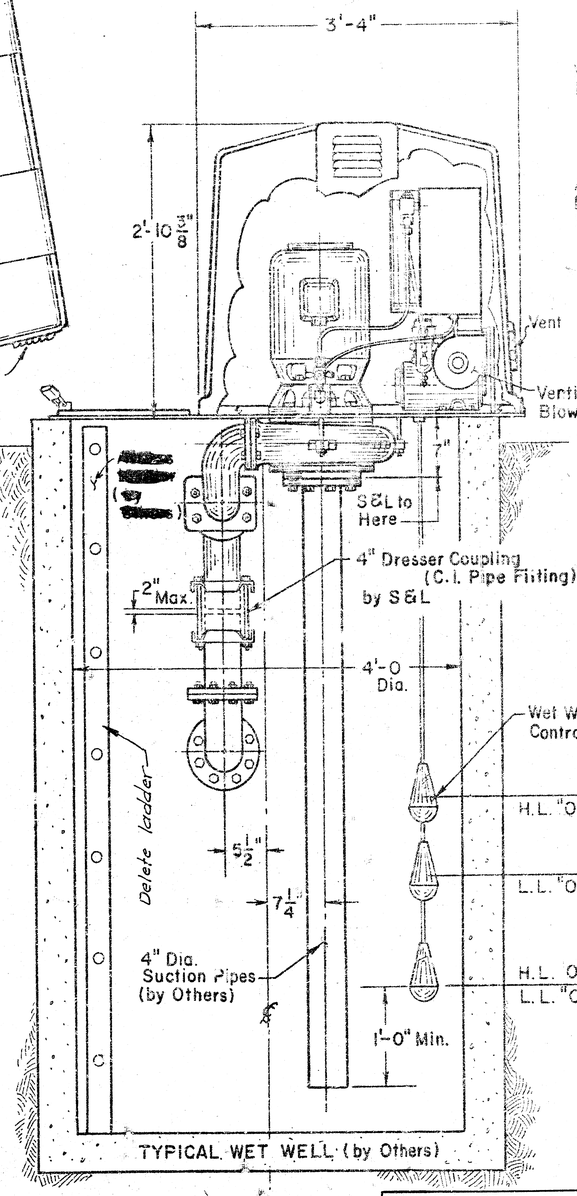
1	60A, 250V, 3-Pole weather proof safety switch with 40A dual element fuses.
120	Lin. ft. of 1 1/4" PVC Schedule 40 Rigid non-metallic Conduit
240	Lin. ft. of 3-#8 THW copper conduit 40 A/208 V/3 ϕ with #8 grounding conductor.
240	Lin. ft. of 2-#10 THW copper conduit 20 A/120 V/1 ϕ
1	40 A circuit breaker for 208 V/3 ϕ circuit.
1	20 A circuit breaker for 120 V/1 ϕ circuit.
1	Alarm light.
1	Horn
12	Lin. ft. of Rigid metal Conduit.

NOTE: All electrical wiring to conform to City of Wichita code.

MID-AMERICA ALL INDIAN CENTER
LIFT STATION AND FORCE MAIN
PROJECT NO. WMKB 525 430

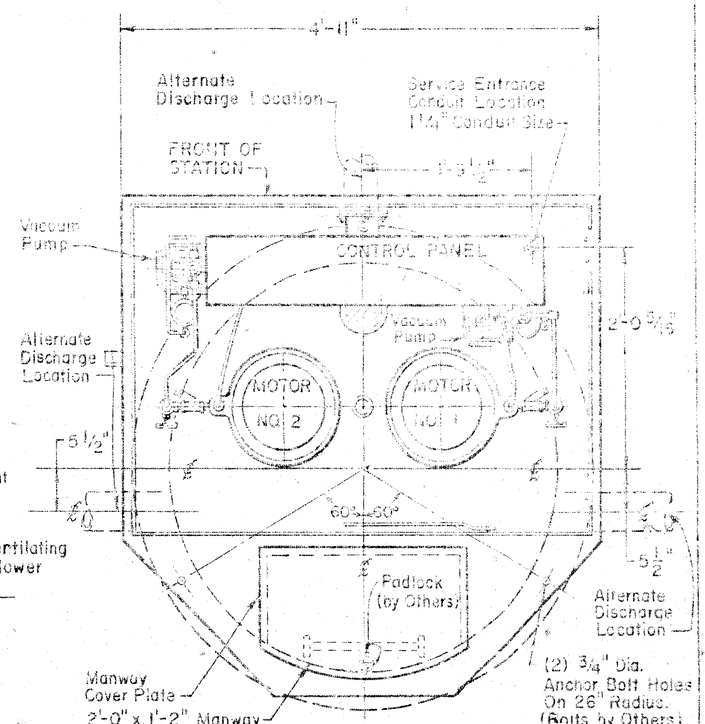


SECTIONAL ELEVATION



TYPICAL WET WELL (by Others)

CROSS SECTION



PLAN VIEW
MACHINERY CHAMBER
(COVER DELETED FOR CLARITY)

NOTES:-

1. Maximum Capacity - 300 G.P.M.
2. Allow One Minute Cycle Time, Based On Wet Well Capacity of 94 Gal. Per Foot.
3. If End of Discharge Line Is Below Elevation of Discharge Line or Point of Leaving Wet Well, Consult Factory.

PATENTED IN THE U.S.A. & FOREIGN COUNTRIES

DRAWING NO. 66 B 101
("D" SIZE DWG. 86D104)

MID-AMERICA ALL INDIAN CENTER
LIFT STATION AND FORCE MAIN
PROJECT NO. WMKB525 430

4/6

N70-70

TOLERANCES UNLESS OTHERWISE STATED: FRACT. ±, DECIMALS ±, ANGLES ±
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

Ecodyne Corporation
Smith & Loveless Division
An Affiliate of Ecodyne Corporation

DRAWN BY: HASLAM 7-14-70
CHKD. BY: OSBORNE 7-21-70
APPVD. BY: MARTIN 7-21-70

FOR:

WET-WELL-MOUNTED
SEWAGE PUMP LIFT
STATION 4/6

REV. A | REV. NO. N71-21 | DATE 3-21 | REVISED AT

SCALE none

SERIAL NO.

DWG. NO. 86D104

B. M. 113.00 Iron in thimble of N.W. corner of Sec. 20, T29S, R. 1, E. of the 6th P. M.

B. M. 114.78 "□" top N. curb Pine St. @ E. 4' walk N. on west line Stackman Drive.

NOTE: Removal and Replacement of conc. Areas north of Right-of-way line on Pine St. shall be paid as conc. slab Removed and Replaced.

STACKMAN DRIVE

New 10' Util. Easmt

Vacated 20' Alley

New 10' Util. Easmt

180.3'

Exist. 24" Conc. Storm Water Sewer

Exist. 8" V.C.P. Sewer

Sta. 0+00.0 Existing manhole Beg. removal of exist. 6" S. S. Remove exist. manhole. Const. new manhole Type "A" or "C"

Plug Pipe

Exist. 6" San. Sewer

Exist. Lift Sta. 4.79

Plug Pipe

Plug pipe

LINE NO. 1

CAUTION: Sta. 0+94 Exist. K. G. & E. Underground conduit.

Remove exist. M. H. Plug 6" San. Sewer north & south Extend exist. pipe west to new M. H. with same kind and size of pipe.

Extension of pipe west will not be paid for directly and this work shall be considered as subsidiary.

0+74 ± Sta. ~~0+94.0~~ Const. Std. M. H. Type "A" or "C" Intercept San. Sewer from the east. Sta. 0+00.0 Line No. 2

Exist. 6" San. Sewer South to Art Museum building.

NOTE: Replace pavement and Sidewalk.

LITCHFIELD AVE.

PINE

140'

30'

30'

42'

Chiseled mark in Concrete.

STACKMAN DRIVE

90°

187'

8"

4" Force Main

3+23 ± Sta. ~~3+20.0~~ = Sta. ~~14+67~~ 14+65 ± in Force Main.

Plan Scale 1" = 20'
Profile Scale 1" = 20' Horz. 1" = 5' Vert.

N

U.S.R.S. U.S. 234 LES 3B

Sta. 0+00.0 Exist. M. H. Beg. removal of exist. 6" San. Sewer Remove Exist. M. H. Const. new Manhole Type "A" or "C"

Exist. 24" Conc. Storm Water Sewer

Sta. 0+74.0 M. H. Const. Std. "A" or "C" Type Intercept San. Sewer from the east. Sta. 0+00.0 Line No. 2

Sta. 0+94 Exist. K. G. & E. Underground Conduit.

CAUTION: K. G. & E. Underground conduit.

Sta. 3+20.0 = Sta. 14+67 in force main.

S. Rim M. H. 116.44

Exist. Pavmt

TR = 114.7

Exist. ground

LINE NO. 1

Exist. 8" S.S. 0.30 %

110.54 Flo out
110.68 Flo in

142.56 Flr. Surf.

Remove 25 Lin. ft. of 6" San. Sewer

110.80 Flo out
111.00 Flo in from Lift Station.

111.08

107.51 Flo in 6" from the South

111.38

111.68

111.74 Flo out 8"
113.00 Flo in Force Main

320 Lin. ft. of 8" Clay Pipe @ 0.30 % grade.

180 115 110 105

120 115 110 105

Basement floor Proposed Art Museum Elev. 103.60

0 1 2 3

MID-AMERICA ALL. INDIAN CENTER
SANITARY SEWER
PROJECT NO. WMKB 525 430

5/6

5/6

STACKMAN DRIVE

B.M. 114.78 "D" Top N-cb Pine St. @ E wk. north W. L. Stackman Dr.

Chiseled mark in Concrete

60' STREET

180.3'

140'

60'

PINE

LITCHFIELD AVE.

DLK 12BW

211-8

NOTE:
Contractor to excavate pipe at Sta. 1+65.0 prior to Contstruction. This will allow the field Engineer to verify the alignment and Flo elev. of the exist. 6" San. Sewer.

Proposed New Art Museum Building

Sta. 1+64.1
Sta. ~~1+65.0~~ Const. Std. M. H. Type "A" or "C" over exist. 6" San. Sewer. Intercept exist. 6" San. Sewer from the south.

Plug Pipe

Sta. 0+00.0 Line No. 2 = Sta. 0+74.0 Line No. 1.

7" Pine
9" Pine
6" Pine
10" Pine

NOTE:
Save all trees.

Sta. 0+00.0 Line No. 2 = Sta. 0+74.0 Line No. 1

Sta. 1+65.0 Const. Std. M.H. Type "A" or "C" over exist. 6" San. Sewer Intercept 6" San. Sewer from the south.

Sta. 2+40.9 Exist. Clean out M.H.

Exist. ground

LINE NO. 2

Top of Clean out M. H. 116.53

103.60 basement floor

109.51 Flo Exist. 6" S.S.

Remove 70 Lin. ft. ± of 6" San. Sewer.

110.80 Flo out
111.00 Flo in

111.20

111.33 Flo out

112.01 Flo out 6" S.

165 Lin. ft. of 8" Clay Pipe @ 0.20 % grade

120
115
110
105
100

0 1 2

N

Plan Scale 1" = 20'
Profile Scale 1" = 20' Horz.
1" = 5' Vert.

NOTE:
Contact "Ross Tyson" for locations of S.W. Bell Tele. underground conduits.
Phone No. 268-1485.

MID-AMERICA ALL INDIAN CENTER
SANITARY SEWER
PROJECT NO. WMKB 525 430

6/6