SANITARY SEWER EXTENSIONS
&
PUMPING STATION

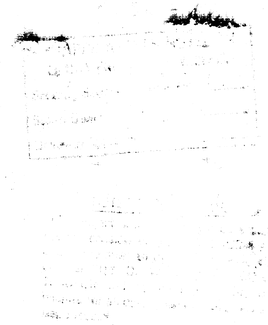
SERVING

KINKAID PARK THIRD ADDITION
WICHITA, KANSAS

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

1976

PRIVATE PROJECT NO. DBKW 706026



INDEX

Bench Mark "G" On Top Of Curb, 6' N. Of N. E. Cor. Of Marion Road & 38' E. Of E. Broadway - Elev. 10.203

MARION ROAD

Existing Sanitary Sewer

N. R. KINKAID PARK SECOND ADDITION

Sta. 0+00, Const. 4' Dia. M.H., Type "B" No Tapered Section. Install Wet Well Mounted Sewage Pumping Station. See Detail Sheet

4" Force Main

See Sheet 3 Of 5

10' Utility Easement

BENCH MARK - "G" in GLOBE on top of curb, west side of pavement at St. Francis St., Elev. 96.33 (...)

Sta. 3+46.21, Const. Std. Type "A" M.H. - 4' Diam.

BROADWAY AVENUE

Sta. 6+44.72, Const. Std. Type "A" M.H., 4' Diam. Begin Lat. "C" @ Sta. 0+00

15' Bldg. Setback

Sta. 0+70, Const. Std. Type "A" M.H., 4' Diam. - End Lateral "C" Install 4" Stub East

LATERAL "C"

Future Bldg. Setback & San. Sewer Easement

LATERAL "A"

20' Utility Easement

8" Stub

Sta. 4+05, Const. Std. Type "A" M.H. 4' Diam. Install 8" Stub North Begin Lat. "B" @ Sta. 0+00

Sta. 1+10, Const. Std. Type "A" M.H. 4' Diam. Install 8" x 5' Stub South

THIRD ADD.

Existing 6'-5" RCP Storm Water Sewer

Sta. 2+55, Const. Std. Type "A" M.H. 4' Diam.

LATERAL "B" - See Sheet 3 Of 5 for Lat "B" Profile

Sta. 11+85, Const. Std. Type "A" M.H. - 4' Diam.

Sta. 3+80, Const. Std. Type "A" M.H. 4' Diam. End of Lat. "B"

Sta. 14+76, Const. Std. Type "A" M.H. 4' Diam. - End of Lat. "A" Install 4" Stub West

30' Building Setback Line

20' Utility Easement

30' E. of C. Broadway - Storm Sewer Easement

4" Stub

ST. FRANCIS AVE.

CONSTRUCTION NOTES:

1. Remove Portion Of R.C.B. Wall Adequate To Install One Joint Of Duct. Iron Pipe To Proper Grade And Alignment. Repair Conc. Wall Around Pipe With EMBECO Non-Shrinking Grout.
2. Ductile Iron Pipe w/min. wall 0.36", and interior Lining of U.S. Pipe Co. Poly-Line or approved equal.
3. See Joint Detail, Sheet 3 Of 5

LATERAL "A"

NATURAL GROUND

Existing 5'-6" R.C.B.

18 L.F. 8" Ductile Iron Pipe (See Construction Note Above)

110 L.F. Of 8" A.B.S. @ 0.30%

293 L.F. Of 8" A.B.S. @ 0.30%

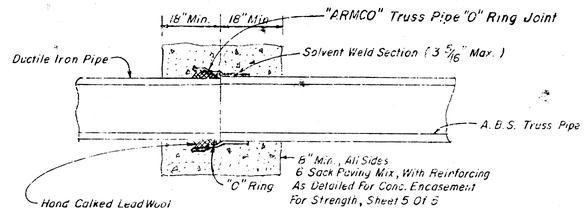
239.72 L.F. Of 8" A.B.S. @ 0.30%

301.49 L.F. Of 8" A.B.S. @ 0.30%

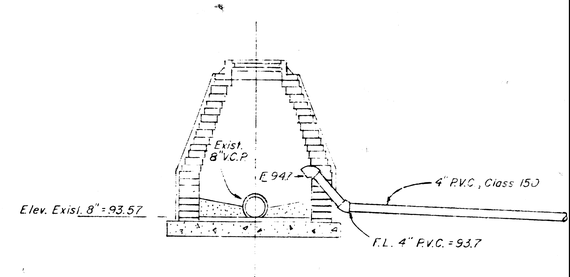
238.79 L.F. Of 8" A.B.S. @ 0.30%

273 L.F. Of 8" A.B.S. @ 0.30%

NOTE - See Sheet 2 of 5 For Plan Of Orientation
And Horizontal Control For Laterals "B" & "C"

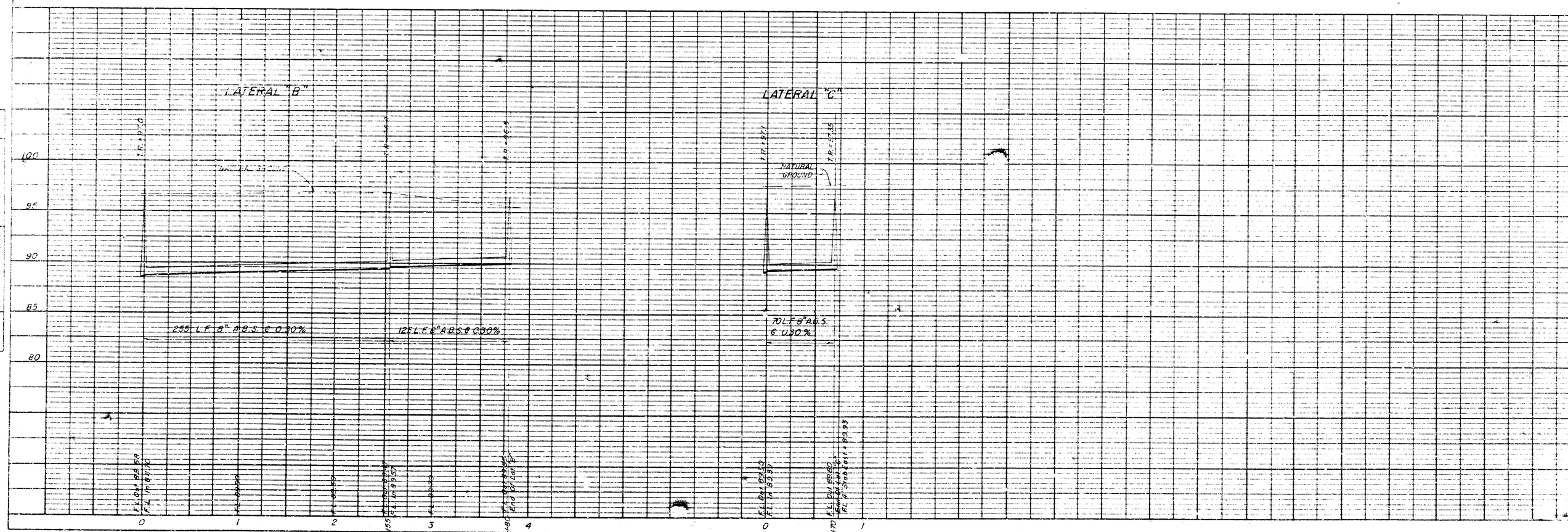


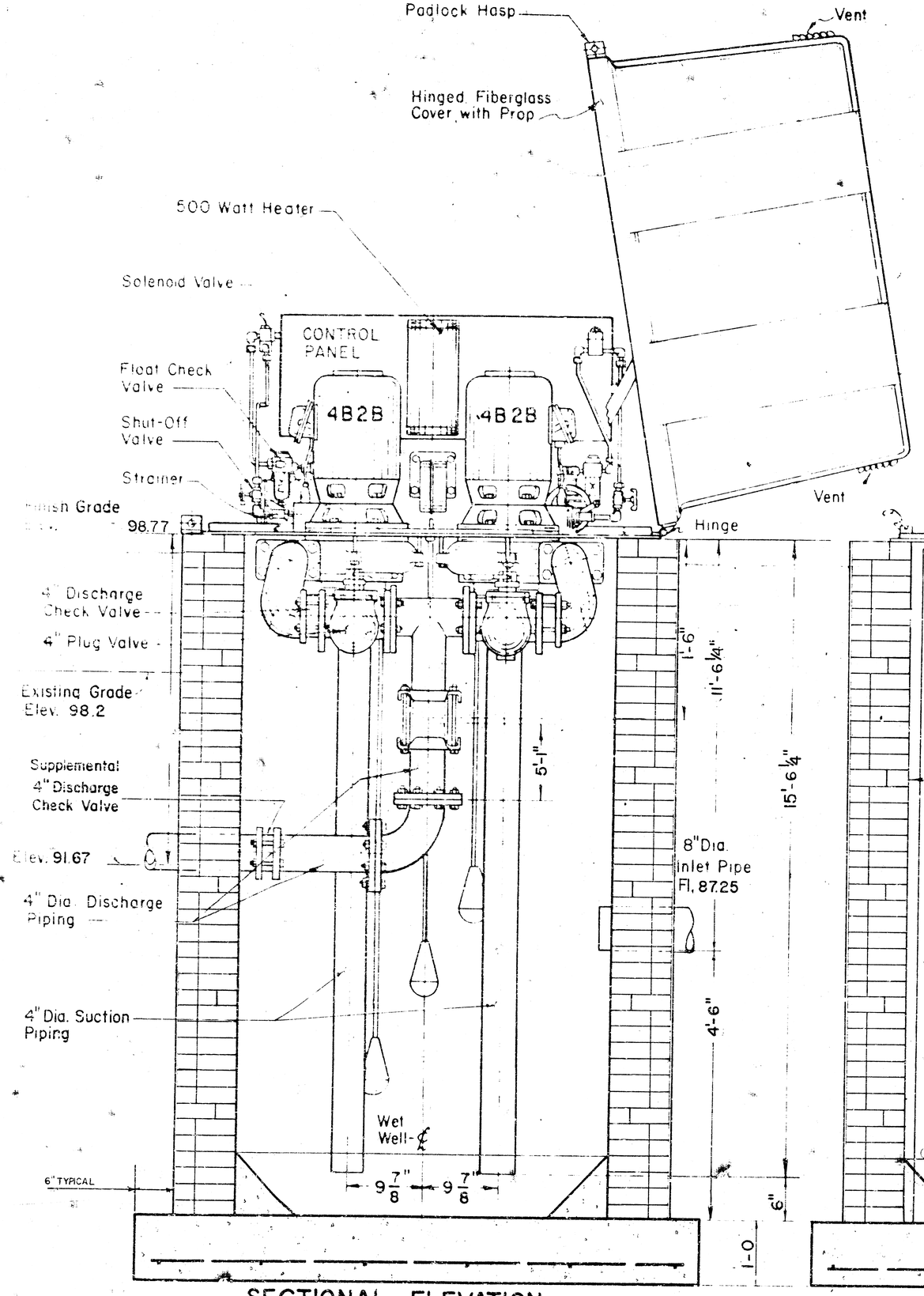
JOINT DETAIL
DUCTILE IRON TO A.B.S PIPE



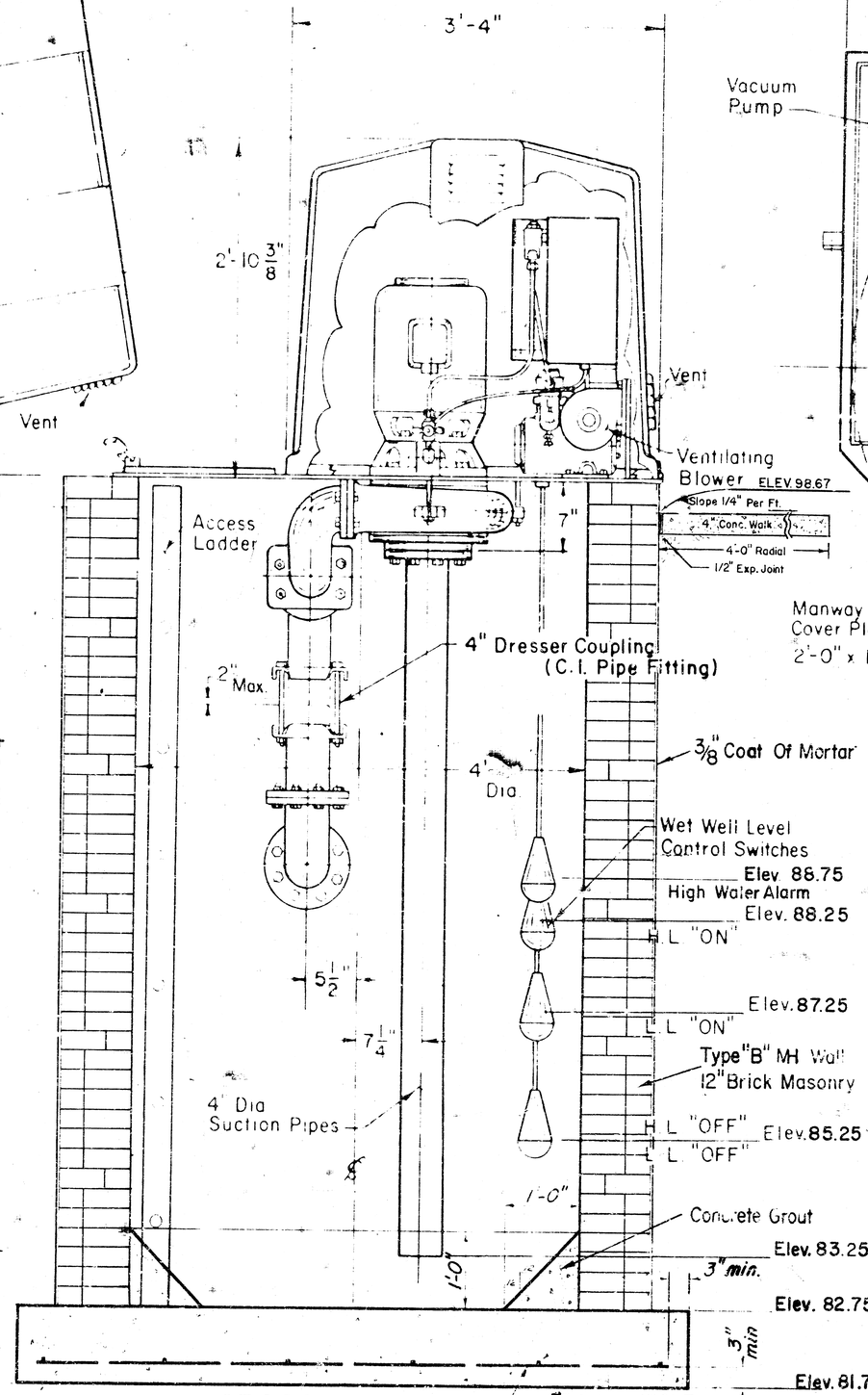
DETAIL
Force Main Discharge Into
Existing M.H.

Located Approx. 5' South & 263' West Of N.E. Corner
Lot 1, Kinkaid Park 2nd Add.

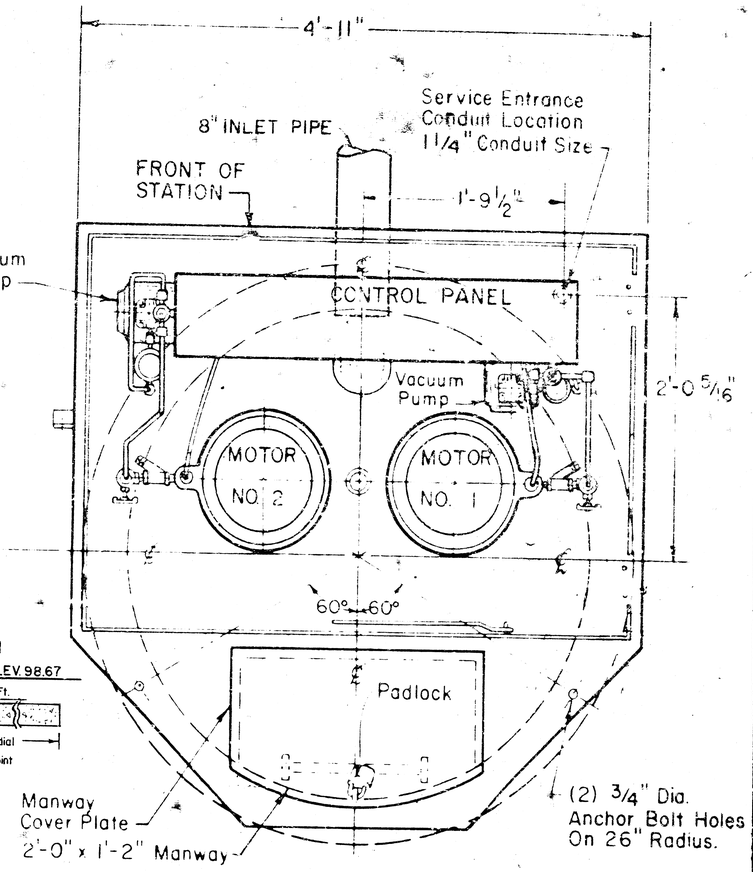




SECTIONAL ELEVATION



CROSS SECTION



PLAN VIEW
MACHINERY CHAMBER
(COVER DELETED FOR CLARITY)

Manhole To Be Type "B" Construction Without Tapered Section

Lift Station to be furnished with Power Failure & High Water Alarm, to be connected to City of Wichita Alarm System.

Furnish running time meter, 115v., 60Hz, for each pump w/flush mounted register on control panel.

All influent and effluent pipe to be C.I. to a point at least 5' beyond excavation for Pumping Station.

NOT TO SCALE

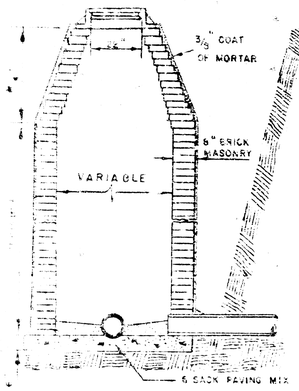
WET WELL-MOUNTED
SEWAGE PUMPING STATION

KINKAID PARK THIRD ADDITION

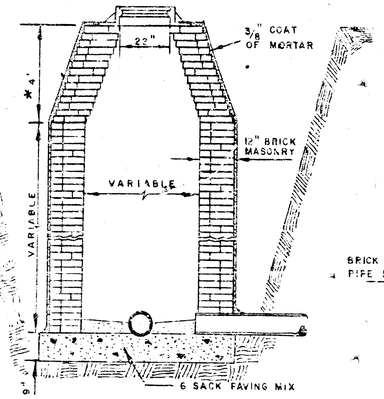
PRIVATE PROJECT NO. DBKW 706026

Moehring & Associates Consulting Engineers
Wichita

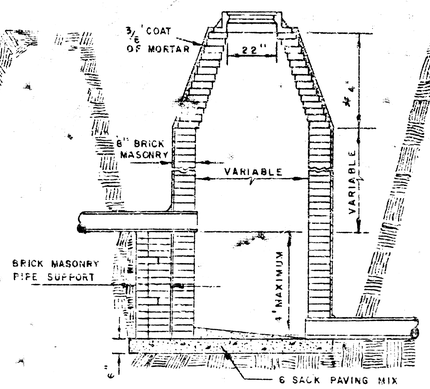
Sheet 4 of 5



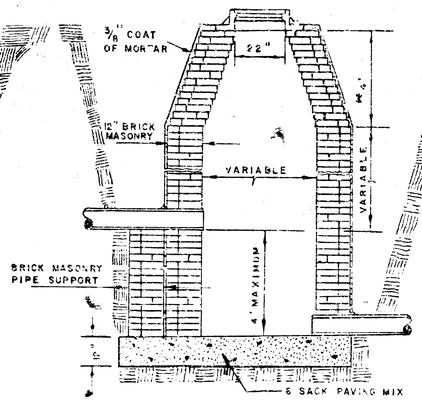
STANDARD MANHOLE
TYPE "A"



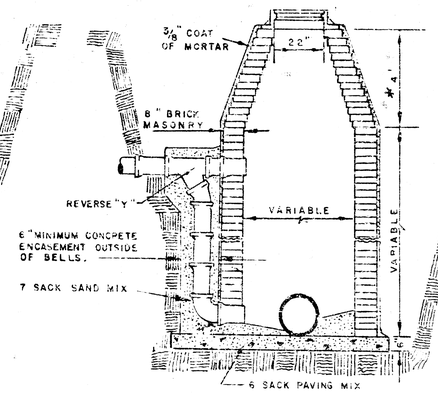
STANDARD MANHOLE
TYPE "B"



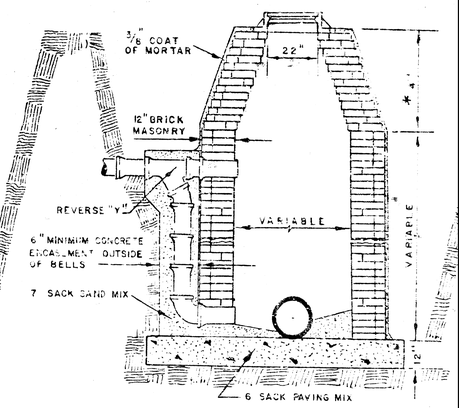
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

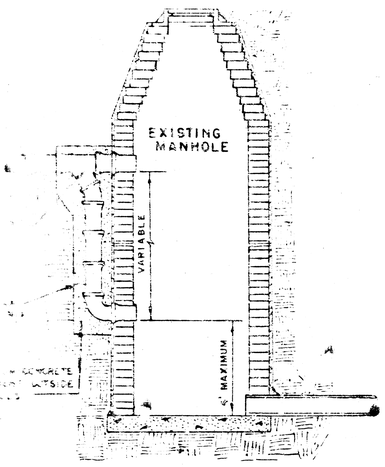


OUTSIDE DROP MANHOLE
TYPE "A"



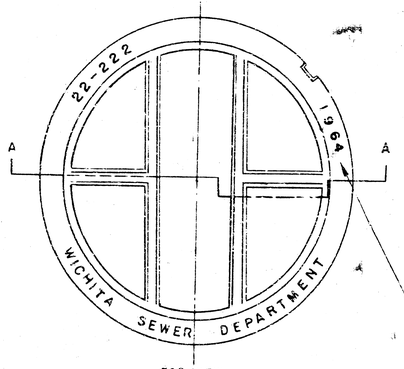
OUTSIDE DROP MANHOLE
TYPE "B"

* DRAW = 6' ON 5' DIA. M.H.



DETAIL OF DROP STACK

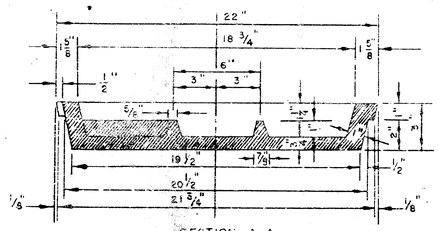
FOR EXISTING MANHOLES IN GROUND WATER



TOP VIEW

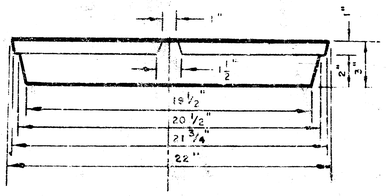
MANHOLE COVER

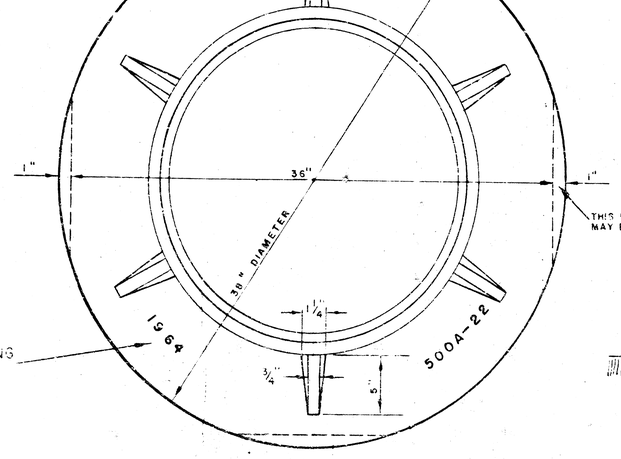
WEIGHT 110 lbs.



SECTION A-A

MANHOLE COVER



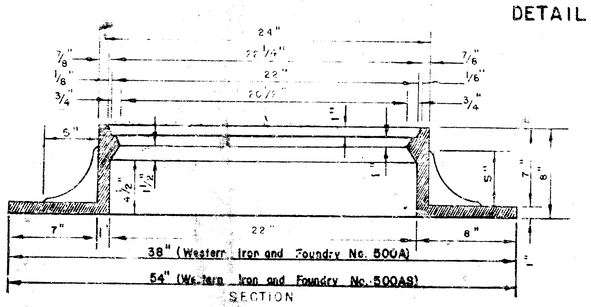


YEAR CASTING IS MADE

TOP VIEW

MANHOLE RING

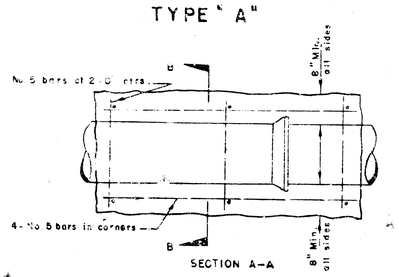
WEIGHT 335 lbs.

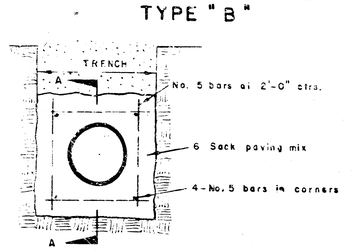


SECTION

MANHOLE RING

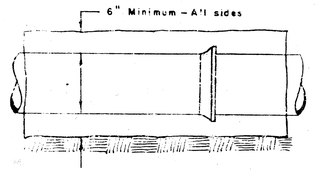
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF

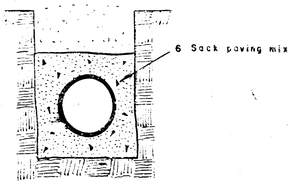




REINFORCED CONCRETE ENCASEMENT

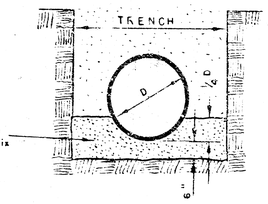
FOR STRENGTH



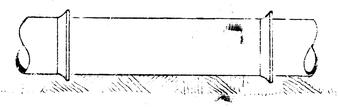


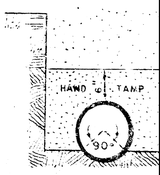
CONCRETE ENCASEMENT

FOR COVER



DETAIL OF CONCRETE CRADLE





ORDINARY BEDDING METHOD

FOR CLAY PIPE

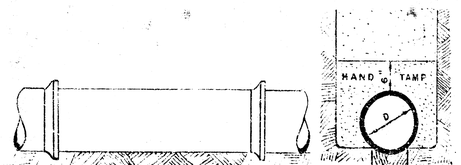
MANHOLES

THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.

STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.

SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.

ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S



DETAILS OF

SEWER APPURTENANCE

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION