B. M. 165.37 R.R. spk. top east Post - N. banister wood bridge, 1200 ft. E. of Oliver on 29th St. North.

B. M. 172.38 City Std. 29th - Edgemoor 5.5' east & 37.0' N. of Iron.

NOTE: All manhole studs & clay pipe outlets are to be incidental to the project.

NOTE: Adjust exist. Manhole.

NOTE: Exist. S. W. Bell Tele. Underground Conduit.

NOTE: Adjust exist. manhole

NOTE: Adjust exist. Manhole

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

Sta. 0100.0 Exist. M. H.

Exist. 30" V.C.P. sanitary sewer 8" Reinf. Conc. encased.

0.20 %

Sta. 1+21.5 Const. Std. M.H Type "B" (5' dia.) Install 10" Stub N. Install 8" Stub S.

Sta. 3+28.8 Sta. ~~3129.0~~ Const. Std. M.H Type "B" (5' dia.) Install 10" Stub N. Install 8" Stub S. Alternate, Install Structural Tee M.H Install 10" Clay Pipe inlet N. Install 8" Clay Pipe inlet S.

"CAUTION" Existing K A N E B 8" Pipe line 11.0' ± 21' So. of E. 29th St. No. 30" to 36" deep. Call Mr. Gatman 262-1408

Sta. 6+91.2 Sta. ~~6191.6~~ Const. Std. M.H. Type "B" (5' Dia.) Install 10" Stub N. & 8 Stub S. Alternate Install Structural Tee M.H. Install 10" Clay pipe inlet N. Install 8" Clay pipe inlet S.

Sta. 9+00.0 Const. Std. M. H. Type "B" (5' dia.) Install 30" Stub NE

100 ft. temporary Const. Easement.

Ties to Iron 1/16 cor.
171.29' W. SW to 60" Spk. Top E-end wing wood bridge.
171.29' W. NW to 60" Spk. top E-end wing wood bridge.
58.01' SW to nail in washer W-face 10" tree.
54.68' NW to nail in washer E-face 10" tree.
26.65' N. to nail in pop cap E-face P.P.

NW 1/4 Sec 1, Twp. 27 S, R. 1 E.
E. B. Shawver
Petroleum Corp.
KE -460-12

NOTE: Set top of all new manholes at the same elev. as crown of exist A. C. pavement.

NOTE: Sta. 9+00.0 to Sta. 41+30.4 Elevations shown are for 21" clay pipe. If 30" RCP is used, lower flo elevation 0.75

Sta. 0100.0 Exist. M. H.

Sta. 1+21.5 Const. Std. M.H Type "B" (5' dia.) Install 10" Stub N. Install 8" Stub S. See Sheet No. 6 for M. H. details

Sta. 3+29.0 Const. Std. M.H. Type "B" (5' dia.) Install 10" Stub N. Install 8" Stub S. Alternate Install Structural Tee M.H. Install 10" Clay pipe inlet N. Install 8" Clay pipe inlet S. See Sheet No. 6 for M. H. details

Sta. 6+91.6 Const. Std. M.H. Type "B" (5' dia.) Install 10" Stub N. & 8" Stub S. Alternate Install Structural Tee M.H. Install 10" Clay Pipe inlet N. Install 8" Clay Pipe inlet S.

Sta. 9+00.0 Const. Std. M. H. Type "B" (5' dia.) Install 30" Stub NE See Sheet No. 6 for M. H. detail

Top of 8" Gas line.
N. Rim M.H 160.88
Hi-bank
South edge A. C. Pavement.
Flo So. ditch
Exist. 18" Bel Aire San. Sewer

Exist. 30" V.C.P. San. Sewer. (8" Reinf. Conc. encased.) @ 0.20 % fo

147.70 Flo in 10" stub N. 8" Stub S.

148.10 Flo in 10" Stub N. & 8" Stub S. or 10" clay Pipe inlet N. & 8" Clay Pipe Inlet S.

149.00 Flo in 10" Stub N. & 8" Stub S. or 10" Clay Pipe inlet N. & 8" Clay Pipe Inlet S

30" (EXTRA STRENGTH) CLAY PIPE

145.35 Flo out 30" Pipe 145.45 Flo in 30" Stub NE 149.05 Flo in 21" pipe

143.63 Flo in 24" 143.45 Flo out 30" 143.45 Flo in 30"

143.65

143.63 Flo out 143.79 Flo in

143.95

144.15

144.81 F/o

144.35

144.55

144.75

144.94 F/o 144.95

145.15

900 Lin. ft. of 30" (Extra Strength) Clay Pipe @ 0.20 % grade.

Alternate

900 Lin. ft. of 30" R.C.P. (Class III, Plastic lined) @ 0.20 % grade.

"As Built" Final Meas. I.H. 8.2

EXTENDING SUPPLEMENTAL SEWER TO S. S. NO. 12
EXT. OF S. S. NO. 23 IN 29TH. ST.
FROM 1/4 MILE E. OF OLIVER ST. TO WOODLAWN BLVD.
CITY OF WICHITA, KANSAS
R. W. LINN — CITY ENGINEER
JULY 1973 PROJECT NO. DBKJ 573032

1/6

B. M. 172.38 City Std. 29th – Edgemoor
3.5' E. & 37.2' N. of Iron & both.

lies to Iron ¼ Cor.
47.22' N.W. to "+" cut on conc. base west end gate post.
37.15' N. to ctr. brass plug City Std.
41.63' NE to nail in washer E-face fnc. post.
74.09' NE to "+" on SE cor. conc. Box
90.35' E NE to nail in washer S.-face P.P.

Dedicated Roadway

NOTE:
Exist. S. W. Bell Telephone underground Conduit.

Eagle Beacon Mail box

Pipe line marker

Exist. City Limits

5" Oak

Tele. Pedestal Buried Cable

Mail box

2-fnc. Posts Rose Bush

14" Pine

Bush

Witness Fnc. Post 4"x4" Spreader 22.6'-W-Fnc. Dirt str. gate

Proposed City Limit

City Stm. & Storm Water Mh. Rim

Tele. Pedestal P.P. Number E-face

Pipe line marker

Proposed City Limit

Proposed City Limit

KE 459

17+19.3
Sta. ~~17+20.0~~ Const.
Std. M.H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate, Install Structural Tee M.H.
Install 10" Clay pipe inlet N. & 8" Clay Pipe inlet S.

550'

TWENTY-NINTH ST.

NORTH

Exist. 8" City Limit

Exist. City Limit

Nail in Washer

Iron

Nail

Ditch

Sta. 9+00.0 Match

"CAUTION"
Existing 8" KANEB PIPE LINE 11'± S. of ℄ 29th St. No. 30" to 36" deep.

100' Temporary Construction Easement

14+18.2
Sta. ~~14+16.4~~ Const.
Std. M. H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M.H.
Install 10" clay Pipe inlet N. & 8" clay Pipe inlet S.

Grass

Begin Conc. Cradle

19+96.5
Sta. ~~19+96.5~~ Const.
Std. M. H. Type "B" (4' dia.)
Install 10" Stub N. & 8" stub S.
Alternate
Install Structural Tee M.H.
Install 10" Clay Pipe inlet N. & 8" clay Pipe inlet S.

100' Temporary Const. Easement

Grass

Field

10+85.2
Sta. ~~10+84.5~~ Const.
Std. M.H. Type "B" (4' dia.)
Install 10" Stub N, 8" Stub S.
Alternate
Install Structural Tee M.H.
Install 10" Clay pipe inlet N.
Install 8" clay pipe inlet S.
See Sheet No 5 & 6 for M.H. details

NW ¼ Sec. 1, Twp. 27S, R. 1, E.

E. B. Shawver Petroleum Corp. KE 460-12

E. B. Shawver Petroleum Corp. KE 460-11

NE ¼ Sec. 1, Twp. 27S, R. 1, E.

Nail set by others

Sta. 10+84.5 Const.
Std. M. H. Type "B" (4' dia.)
Install 10" Stub N. & 8" Stub S.
Alternate
Install Structural Tee M.H.
Install 10" Clay Pipe inlet N.
Install 8" Clay pipe inlet S.
See Sheet No 5 and 6 for M.H. details

Sta. 14+46.4 Const.
Std. M.H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M.H.
Install 10" clay pipe inlet N.
Install 8" clay pipe inlet S.

Sta. 17+20.0 Const.
Std. M.H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Struct. Tee M.H.
Install 10" clay pipe inlet N.
Install 8" clay pipe inlet S.

Sta. 19+96.5 Const.
Std. M.H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M.H.
Install 10" Clay Pipe inlet N.
Install 8" clay Pipe inlet S.

Sta. 9100.0

South edge of A.C. Pavement

Flo So. ditch

30" Class IV R.C.P. Alternate

152.35 Flo in 10" Stub N. & 8" stub S. "B" M.H.

152.60 Flo in 10" Clay Pipe inlet N. & 8" clay pipe inlet S. "Tee" M.H.

153.92 Flo in 10" Stub & 8" stub S. "B" M.H

153.50 Flo in 10" Stub N. & 8" stub S. or 10" Clay Pipe inlet N. 8" Clay pipe inlet S.

153.17 Flo in 10" Clay pipe inlet N. 8" clay pipe inlet S. "Tee" M.H.

154.35 Flo in 10" stub N. & 8" stub S. "B" M.H.

153.60 Flo in 10" clay pipe inlet N. & 8" clay pipe inlet S. "Tee" M.H.

154.80 Flo in 10" stub N. & 8" stub S. "B" M.H.

154.05 Flo in 10" Clay Pipe inlet N 8" clay Pipe inlet S. "Tee" M.H.

163.50 Flo in 10" Stub N. & 8" stub S. or 10" Clay Pipe inlet N 8" clay Pipe inlet S

21" (EXTRA STRENGTH) CLAY PIPE

Conc. Cradle

149.05 | 149.21 | 149.35 Flo | 149.37 | 149.53 | 149.69 | 149.85 | 149.92 Flo | 150.01 | 150.17 | 150.33 | 150.36 Flo | 150.49 | 150.65 | 150.80 Flo

1096.5 Lin. ft. of 21" (EXTRA STRENGTH) Clay Pipe @ 0.16 % grade.
550.1 Lin. ft. of Concrete Cradle for 21" Clay pipe.
ALTERNATE
1296.5 Lin. ft. of 30" R.C.P. (Class IV Plastic lined) @ 0.16 % grade

9 10 11 12 13 14 15 16 17 18 19

EXTENSION TO
SANITARY SEWER NO. 23
PROJECT NO. DBKJ 573032

5/6 2/6

Ties to Iron 1/16 cor.
122.82' NW to 3 Hollow point tacks S-face P.P.
43.15' S. SW to 3 hollow point tacks N-face fnc. Post.
171.90' NE to 3 hollow point tacks SW face P.P.
16.0' W. to fc South.
40.1 N. to fc E-W.

N

KE 458

Sta. ~~26+900~~ 26+882 Const.
Std. M. H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M. H.
Install 10" clay pipe outlet N.
Install 8" clay pipe outlet S.

5'
Iron
Proposed City Limits
40' R/W
Nail
TWENTY-NINTH ST.
Exist. City Limits
Ditch
Sta. 19+96.5
30'
100'

Sta. ~~23+450~~ 23+412 Const.
Std. M. H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M. H.
Install 10" clay pipe outlet N.
Install 8" clay pipe outlet S.
See sheet No. 5 and 6 for M.H. details

100' temp. Const. Easement

"CAUTION"
Existing KANEB 8" Pipe Line.
11'± so. of S. 29th St. No.
30" to 36" deep.
Call Mr. Oatman 262-1408

Maize Field

264' 17' 39.1' 12.5 243'
Proposed City Limits
Nail Iron Nail Nail
NORTH
Exist. City Limits
40' R/W
Sta. 32+00
Ditch
119'
Nail
30' 42'
8" KANEB Pipe line
Wheat Field
100'
Sta. ~~30+400~~ 30+382 Const.
Std. M. H. Type "B" (4' dia.)
Install 2-10" Stubs N. & S.
Alternate
Install Structural Tee M. H.
Install 2-10" Clay Pipe outlets N. & S.

E. B. Shawver Petroleum Corp.
KE 460-11

NE 1/4 Sec. 1, Twp. 27 S., R. 1, E. 6 W.

Jack DeBoer
KE 460-10

Sta. 23+450 Const.
Std. M. H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install 10" clay pipe outlet N.
Install 8" clay pipe outlet S.
See sheet No. 5 and 6 for M.H. details.

Sta. 28+900 Const.
Std. M. H. Type "B" (4' dia.)
Install 10" stub N. & 8" stub S.
Alternate
Install Structural Tee M. H.
Install 10" clay pipe outlet N.
Install 8" clay pipe outlet S.

Sta. 30+400 Const.
Std. M. H. Type "B" (4' dia.)
Install 2-10" Stubs N. & S.
Alternate
Install Structural Tee M. H.
Install 2-10" clay pipe outlets N. & S.

Sta. 32+00.0

180
175
170
165
160
155
150

South edge A.C. Pavement
Flo So. ditch
Top 8" Gas line 176.11
Flo So. ditch

164.50 Flo in 10" Stubs N. & S. or 10" Clay Pipe inlet N. 8" clay Pipe inlet S.
166.50 Flo in 10" Stub N. & 8" stub S. or 10" Clay Pipe inlet N. 8" Clay Pipe inlet S.
167.50 Flo in 10" Stubs N. & S. or 10" Clay Pipe inlet N. & S.

155.40 Flo in 10" Stub N. & 8" stub S. "B" M. H.
154.65 Flo in 10" Clay Pipe inlet N. & 8" clay pipe inlet S. "Tee" M. H.
155.90 Flo in 10" stub N. & 8" stub S. "B" M. H.
155.15 Flo in 10" clay pipe inlet N. & 8" clay pipe inlet S. "Tee" M. H.
156.50 Flo in 10" Stubs N. & S. "B" M. H.
155.75 Flo in 10" Clay Pipe inlet N. & S. "T" M. H.

21" (EXTRA STRENGTH) CLAY PIPE

150.80 150.97 151.13 151.29 151.36 Flo 151.45 151.61 151.77 151.91 Flo 151.93 152.09 152.25 152.41 152.47 Flo 152.57 152.73

20 21 22 23 24 25 26 27 28 29 30 31 32

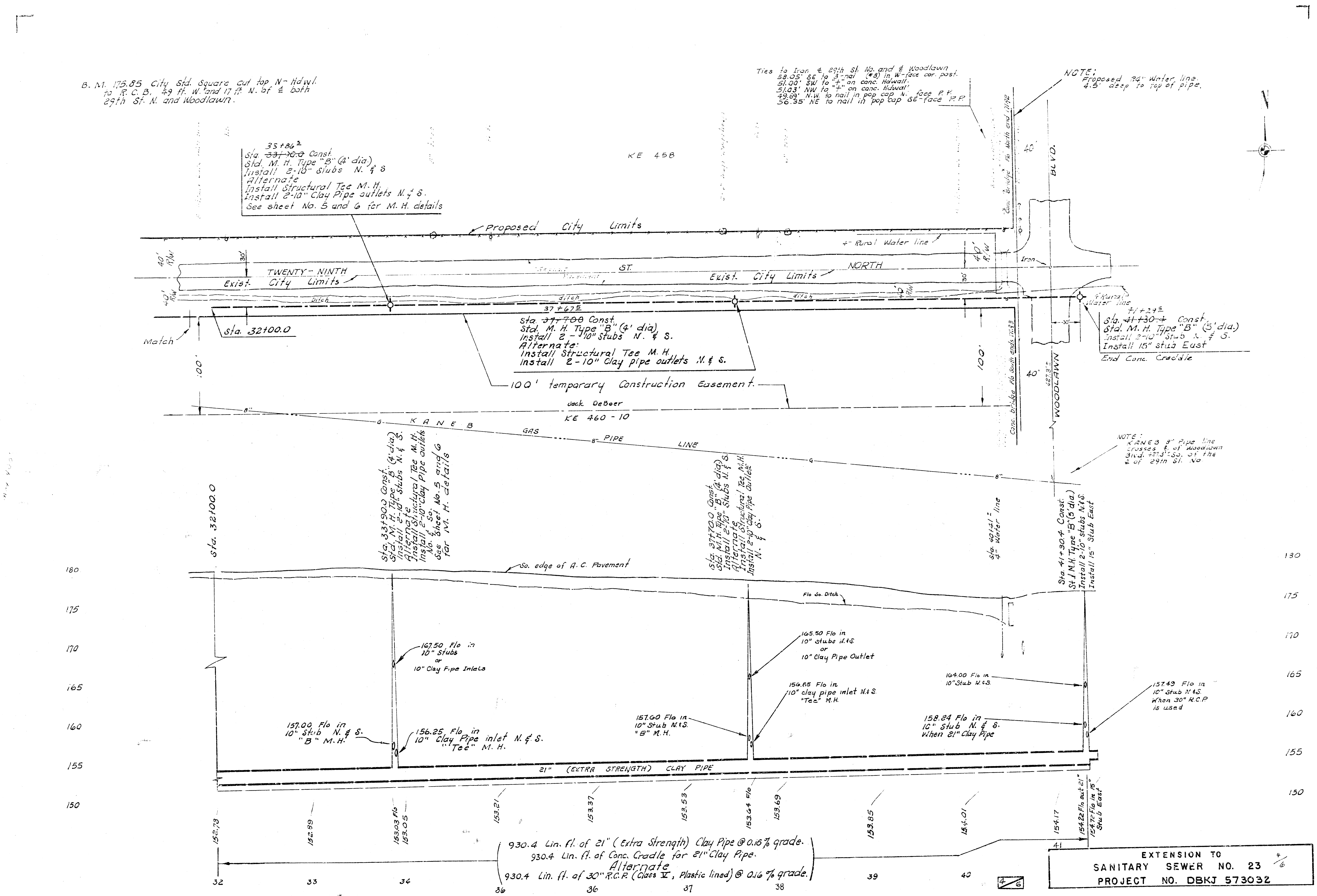
1203.5 Lin. ft. of 21" (Extra Strength) Clay Pipe @ 0.16% grade.
1203.8 Lin. ft. of Conc. Cradle for 21" Clay pipe.

Alternate
1203.5 Lin. ft. of 30" R.C.P. (class V, Plastic lined) @ 0.16 % grade.

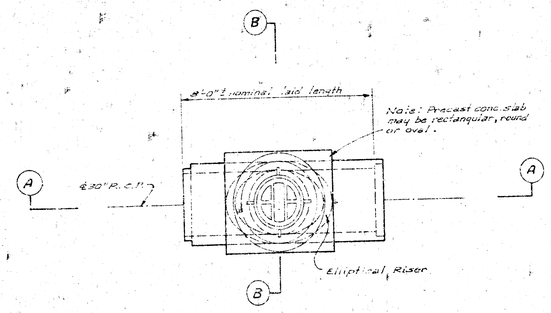
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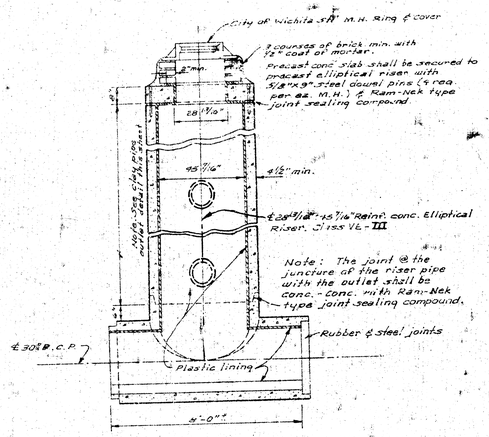
EXTENSION TO
SANITARY SEWER NO. 23
PROJECT NO. DBKJ 5730-02

3/6

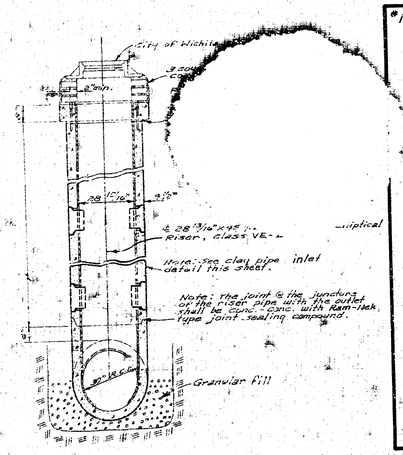


B. M. 175.85 City Std. Square cut top N- Hdwl. to R. C. B. 49 ft. W. and 17 ft. N. of ℄ both 29th St. N. and Woodlawn.
Ties to Iron ℄ 29th St. No. and ℄ Woodlawn
58.05' SE to 3-nai (#8) in W-face cor. post.
51.00' SW to "+" on conc. Hdwall.
51.03' NW to "+" on conc. Hdwall
49.69' N.W. to nail in pop cap N. face P. P.
56.35' NE to nail in pop cap SE-face P. P.
NOTE: Proposed 24" Water line. 4.5' deep to top of pipe.
33+86² Sta. ~~33+70.0~~ Const. Std. M. H. Type "B" (4' dia) Install 2-10" Stubs N. & S Alternate Install Structural Tee M. H. Install 2-10" Clay Pipe outlets N. & S. See sheet No. 5 and 6 for M. H. details
KE 458
Proposed City Limits
4" Rural Water line
TWENTY - NINTH ST. NORTH
Exist. City Limits
Exist. City Limits
40' R/W
30'
ditch
37+67⁵
Sta. 32+00.0
Match
Sta. ~~37+700~~ Const. Std. M. H. Type "B" (4' dia) Install 2 - 10" Stubs N. & S. Alternate: Install Structural Tee M. H. Install 2-10" Clay pipe outlets N. & S.
100' temparary Construction Easement.
100'
Jack DeBoer
KE 460 - 10
KANEB GAS 8" PIPE LINE
Iron
Conc. Bridge Flo North end 171.92
Conc. bridge Flo South ends 171.93
40'
BLVD.
WOODLAWN
427.3'±
4" Rural Water line
41+29⁵ Sta. ~~41+30.±~~ Const. Std. M. H. Type "B" (5' dia.) Install 2-10" Stub N. & S. Install 15" stub East
End Conc. Craddle
NOTE: KANEB 8" Pipe line crosses ℄ of Woodlawn Blvd. 427.3'± So. of the ℄ of 29th St. No
Sta. 32+00.0
Sta. 33+90.0 Const. Std. M. H. Type "B" (4' dia.) Install 2-10" Stubs N. & S. Alternate Install Structural Tee M. H. Install 2-10" Clay Pipe outlets No. & So. See Sheet No. 5 and 6 for M. H. details
Sta. 37+70.0 Const. Std. M. H. Type "B" (4' dia) Install 2-10" Stubs N. & S. Alternate Install Structural Tee M. H. Install 2-10" Clay Pipe Outlets N. & S.
Sta. 40+41± 4" Water line
Sta. 41+30.4 Const. St. M.H. Type "B" (5' dia.) Install 2-10" stubs N.&S. Install 15" Stub East
So. edge of A. C. Pavement
Flo So. Ditch
180
175
170
165
160
155
150
167.50 Flo in 10" Stubs or 10" Clay Pipe Inlets
157.00 Flo in 10" Stub N. & S. "B" M.H.
156.25 Flo in 10" Clay Pipe inlet N. & S. "Tee" M. H.
165.50 Flo in 10" stubs N.&S. or 10" Clay Pipe Outlet
156.85 Flo in 10" clay pipe inlet N.&S. "Tee" M.H.
157.60 Flo in 10" Stub N.&S. "B" M.H.
164.00 Flo in 10" Stub N.&S.
158.24 Flo in 10" Stub N. & S. When 21" Clay Pipe
157.49 Flo in 10" Stub N.&S. When 30" R.C.P. is used
21" (EXTRA STRENGTH) CLAY PIPE
152.73
152.89
153.03 Flo
153.05
153.21
153.37
153.53
153.64 Flo
153.69
153.85
154.01
154.17
154.22 Flo out 21"
154.72 Flo in 15" Stub East
930.4 Lin. ft. of 21" (Extra Strength) Clay Pipe @ 0.16% grade.
930.4 Lin. ft. of Conc. Cradle for 21" Clay Pipe.
Alternate
930.4 Lin. ft. of 30" R.C.P. (Class V, Plastic lined) @ 0.16 % grade.
32
33
34
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4/6
EXTENSION TO
SANITARY SEWER NO. 23
PROJECT NO. DBKJ 573032
4/6

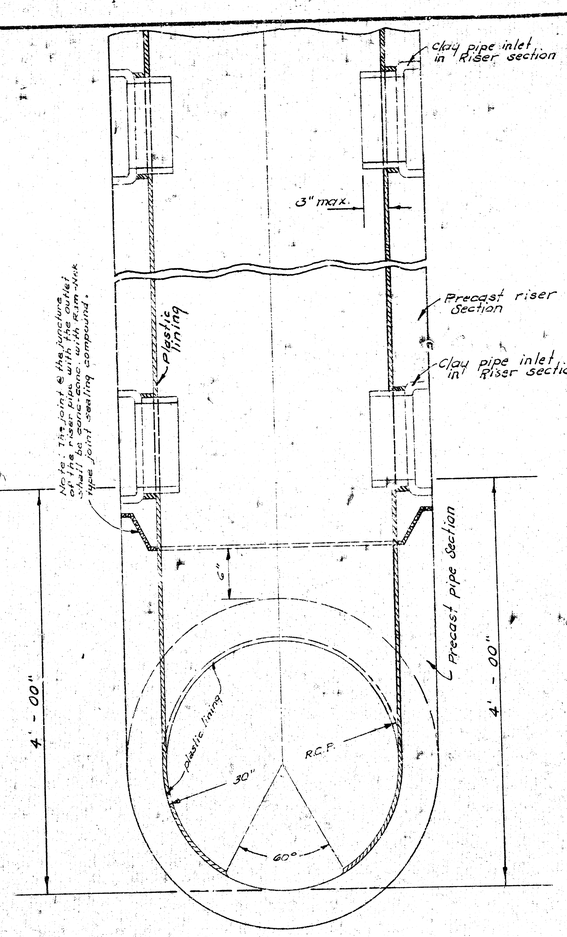




SECTION AA
Scale 3/8"=1'-0"



SECTION BB
ALTERNATE PRECAST CONC. M.H. FOR 30" R.C.P.
Scale 3/4"=1'-0"



PRECAST MANHOLE INLET DETAIL
Scale 1 1/2"=1'-0"

GENERAL NOTES

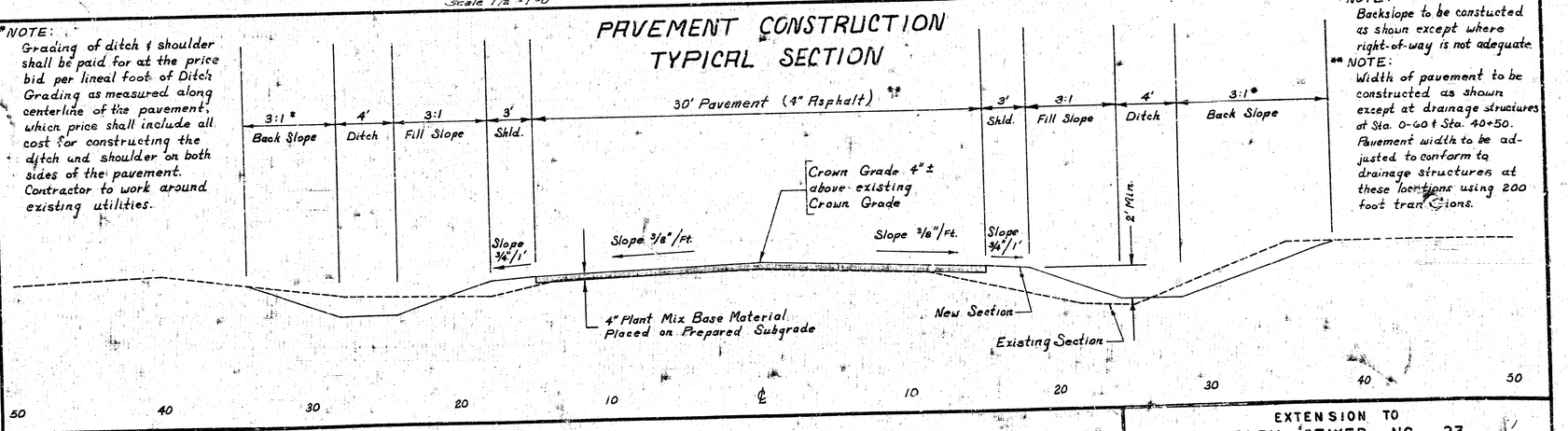
1. ALL 8" AND 10" STUBS OR 8" AND 10" INLETS INTO MANHOLES SHALL BE PLACED SUCH THAT THE BELL END OF THE PIPE STUB IS FLUSH WITH THE OUTSIDE DIAMETER OF THE MANHOLE.
2. REINFORCED CONCRETE PIPE FURNISHED FOR THIS PROJECT SHALL BE LINED WITH PLASTIC EXCEPT FOR THE BOTTOM SEGMENT SUBTENDED BY A 60° ANGLE. PLASTIC LINING SHALL BE AMER-PLATE T-LOCK AS MANUFACTURED BY AMERON CORPORATION, LOK RIB KOROSEAL AS MANUFACTURED BY B. F. GOODRICH, OR OTHER APPROVED EQUAL.
3. SAND BACKFILLING AND OTHER RELATED BACKFILL WORK THAT IS NORMALLY PAID FOR ON A TONNAGE BASIS SHALL BE MEASURED AND PAID FOR BY THE LINEAL FOOT.
4. SHOP DRAWINGS OF STRUCTURAL TEE MANHOLES TO BE FURNISHED FOR THIS PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL,
5.
6. THE USE OF WYO-BOND BENTONITE AS MANUFACTURED BY ARCHER DANIELS MIDLAND COMPANY, OR AN APPROVED EQUAL, WILL BE REQUIRED AS A MIXTURE WITH THE BACKFILL MATERIAL AT THE LOCATION OF ALL BRICK MANHOLES. THE AMOUNT OF BENTONITE REQUIRED SHALL RANGE BETWEEN 40 TO 80 POUNDS PER MANHOLE LOCATION AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT SHALL BE MADE FOR THIS AND SUCH COST SHALL BE INCLUDED IN THE PRICE BID FOR BRICK MANHOLES.
7. THE OUTSIDE SURFACES OF ALL BRICK MANHOLES AND PRECAST CONCRETE RISERS SHALL BE COATED WITH A DAMP-PROOFING MATERIAL SUCH AS BITUMASTIC SUPER SERVICE BLACK OR BITUMASTIC NO. 50 AND PRIMER, AS MANUFACTURED BY KOPPERS CHEMICALS AND COATINGS OR AN APPROVED EQUAL. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.
8. FURNISHING AND INSTALLING 8" AND 10" STUBS OR 8" AND 10" INLETS AT LOCATIONS SHOWN BY PLANS WILL NOT BE PAID FOR DIRECTLY. THE COST OF FURNISHING ALL 8" AND 10" STUBS OR 8" AND 10" INLETS SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.
9. REINFORCED CONCRETE PIPE SHALL BE CLASS IV OR V AS SHOWN BY PLANS. REINFORCED CONCRETE RISERS FOR STRUCTURAL TEE MANHOLES SHALL BE CLASS III. THE ABSORPTION OF REINFORCED CONCRETE PIPE AND RISERS SHALL NOT EXCEED 7.2 PERCENT.
10. THE ENDS OF ALL REINFORCED CONCRETE PIPE INSTALLED IN BRICK MANHOLES SHALL BE PROTECTED BY PLASTIC LINING AS APPROVED BY THE ENGINEER.
11. SAND BACKFILL SHALL BE PLACED AND VIBRATED IN 6 FOOT LIFTS.
12. FIELD ENGINEER TO TAKE TIES TO ALL IRONS AND REPLACE THOSE THAT ARE DISTURBED.
13. ALL 8" AND 10" STUBS OR 8" AND 10" INLETS AT MANHOLE LOCATIONS SHALL BE PLUGGED WITH TEMPORARY PLUGS. THIS WORK WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLES.

NOTE 14: GRANULAR EMBEDMENT MATERIAL SIX (6) INCHES IN DEPTH SHALL BE REQUIRED FOR CLAY PIPE OF ALL SIZES WHERE CONCRETE CRADLE IS NOT SPECIFIED. THE COST OF THIS GRANULAR EMBEDMENT SHALL BE INCLUDED IN THE PRICE BID PER LINEAL FOOT OF PIPE ALL SIZES.

NOTE 15: SIX (6) INCH ENBEDMENT MATERIAL REQUIRED FOR REINFORCED CONCRETE PIPE SHALL BE INCLUDED IN PRICE BID PER LINEAL FOOT OF PIPE ALL SIZES.

*NOTE:
Grading of ditch & shoulder shall be paid for at the price bid per lineal foot of Ditch Grading as measured along centerline of the pavement, which price shall include all cost for constructing the ditch and shoulder on both sides of the pavement. Contractor to work around existing utilities.

PAVEMENT CONSTRUCTION TYPICAL SECTION



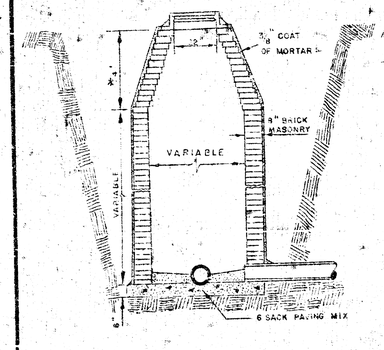
*NOTE:
Backslope to be constucted as shown except where right-of-way is not adequate.

**NOTE:
Width of pavement to be constructed as shown except at drainage structures at Sta. 0-60 & Sta. 40+50. Pavement width to be adjusted to conform to drainage structures at these locations using 200 foot transitions.

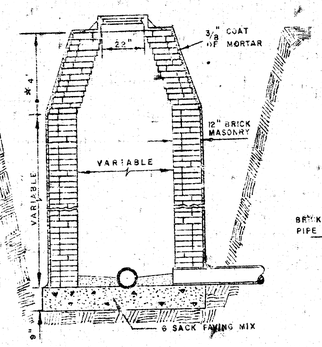
5/6

EXTENSION TO
SANITARY SEWER NO. 23
PROJECT NO. DBKJ 573032

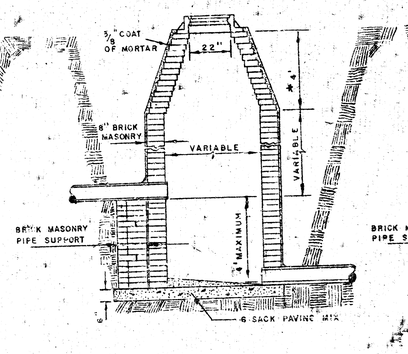
1/6



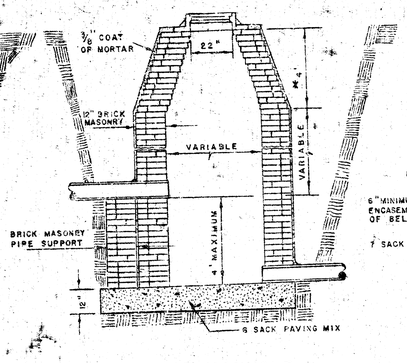
STANDARD MANHOLE
TYPE "A"



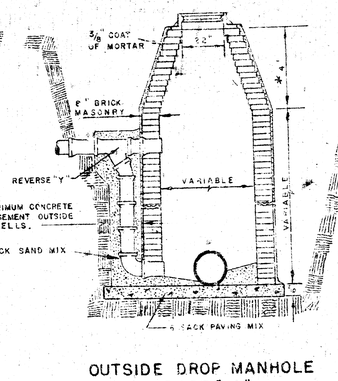
STANDARD MANHOLE
TYPE "B"



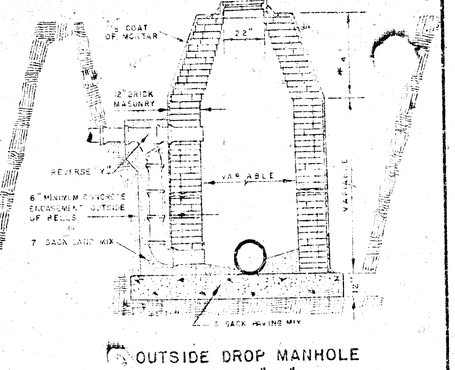
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

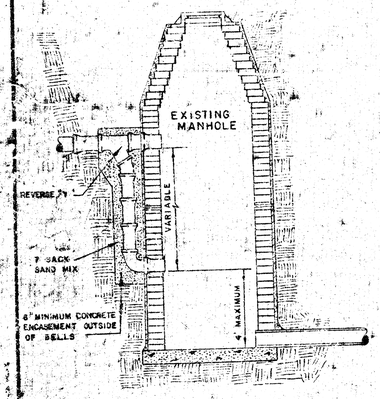


OUTSIDE DROP MANHOLE
TYPE "A"

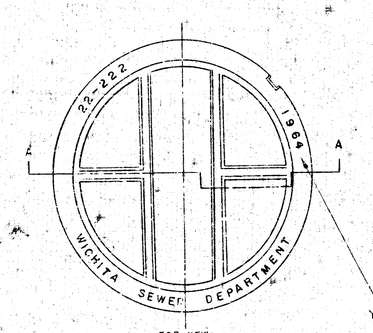


OUTSIDE DROP MANHOLE
TYPE "B"

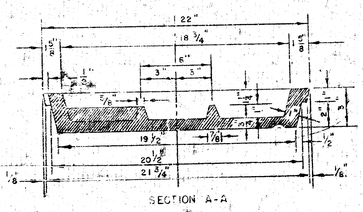
* DRAW = 6' ON 5' DIA. M.H.



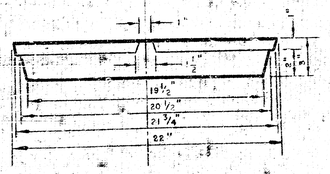
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



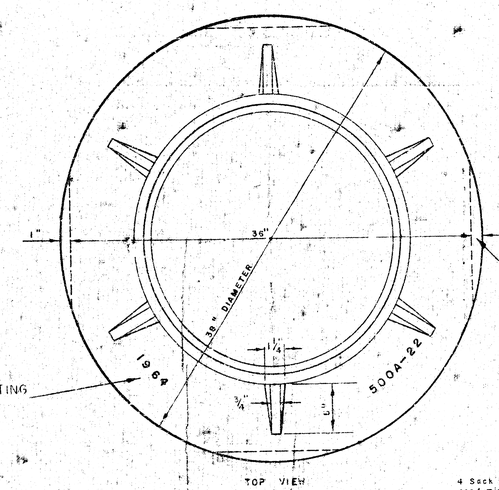
TOP VIEW
MANHOLE COVER
WEIGHT 110 lbs.



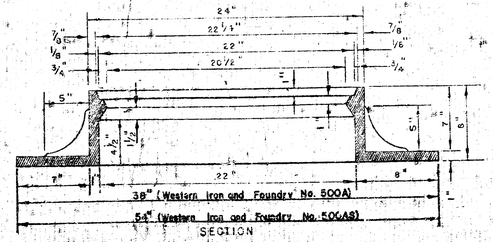
SECTION A-A
MANHOLE COVER



SIDE VIEW
MANHOLE COVER



TOP VIEW
MANHOLE RING
WEIGHT 355 lbs.



SECTION
MANHOLE RING
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

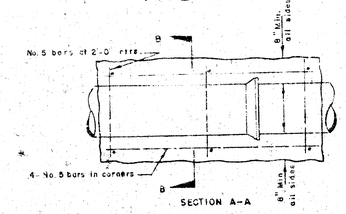
MANHOLES

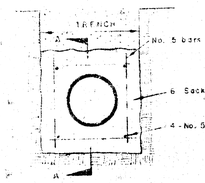
THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD.

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

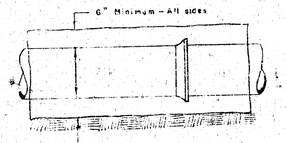
SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.

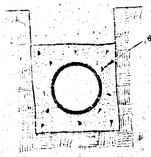
ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.



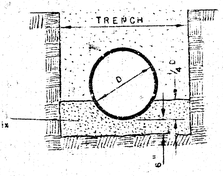


REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH

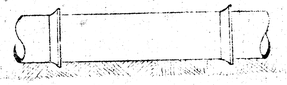


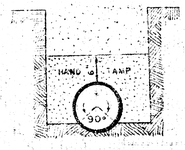


CONCRETE ENCASEMENT
FOR COVER

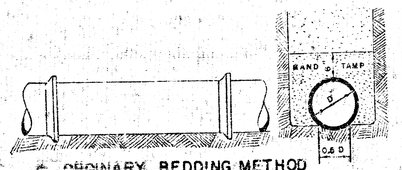


DETAIL OF CONCRETE CRADLE





ORDINARY BEDDING METHOD
FOR CLAY PIPE



ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
PROJ. NO. 1964 DBKJ 573032

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