NOTE TO CONTRACTOR

Excess dirt from project is to be disposed of on school site. Contact Board of Education for location.

SCALE: 1" = 50'

NW Cor. NW 1/4, SW 1/4, NE 1/4 Sec 35 T 27S R 1E

BLUFF AVE.

SCHOOL BOARD PROPERTY

WICHITA PARK DEPT.

GRANDVIEW

COUNTRYSIDE PLAZA

HIGHLAND

Sta. 0+20 BEGIN LINE NO. 1 CONST. OUTFALL STRUCTURE SEE DETAIL

Sta. 1+70 BEG. LN. NO. 2

Sta. 4+75 END LN. NO. 1

Sta. 1+72 BEGIN LINE NO. 2 Sta. 4+72 END LINE NO. 1 REINF. CONC.

Sta. 6+20 MH #2 REINF. CONC.

Sta. 10+72 END LN. NO. 2 MH #3 TYPE B BRICK

455 L.F. OF 42" PIPE @ +0.60%

450 L.F. 42" PIPE @ +0.60%

208 L.F. of 42" Pipe @ +0.60 %

92 L.F. of 36" @ +1.50%

120 L.F. of 36" Pipe @ +1.50%

32 L.F. of 42" Pipe @ +0.60%

TEMP. CONST. EASMT.

10' Drainage Easement

Conc. Encasement 65' R Sta. 8+78

Exist 8" VCP San. Sew.

Exist 6" VCP San. Sew.

Exist 8" San. Sew.

Exist 21" San. Sew.

Exist 6" Water

Exist 2" Gas

Gravel Pike

Storm Sewer Drainage Easement

NOTE: Remove Exist. Concrete Flume & Sod Back Fill.

19' Quarried Rip-Rap (Bound Concrete)

Exist. Bridge

Sta. 1+70 Begin Line No. 1 Sta. 4+75 End Line No. 1

Sta. 6+20 MH #2

Sta. 8+28 MH #1 Top Grate 134.33

Sta. 8+60 Inlet #1 Top Grate 134.69

Sta. 9+80 MH #3 Top Cover 134.97

Sta. 10+72 MH #3 Top Cover 135.25 END LINE NO. 2

NOTE: SET TOP STS. M.H. RING & COVER @ 132.50

EXIST. GROUND

Exist 8" San. Sew.

Conc. Encasement

Exist 6" San. Sew.

Radius Pipe See A.C.P.A. Handbook Pg. 111 Use 4'-0" Joint

SCALE HORIZ. 1"=50'

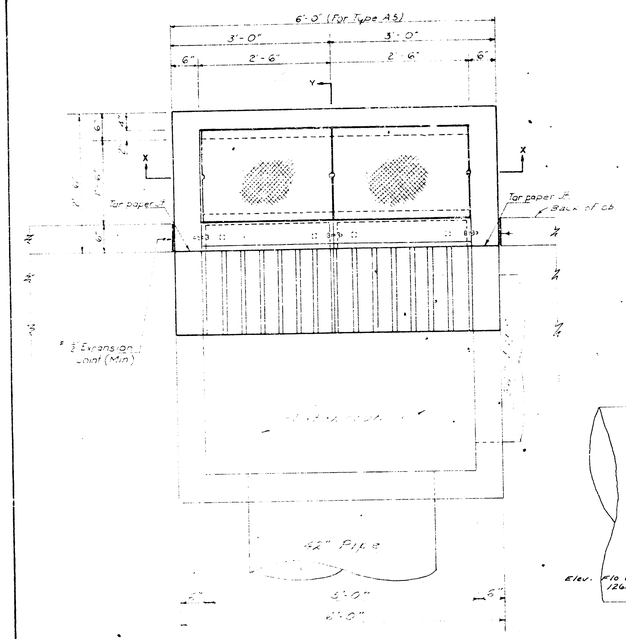
SCHEDULE

Line # 1
Outfall Structure
455 Lin. ft. 42" R.C.P.
Rip - Rap
Backfill & flushing as read.

Line # 2
2 - Reinf. Conc. Manholes
2 - TYPE "B" Brick Manholes
2 - Reinf. Conc. Inlets
690 Lin. ft 42" R.C.P.
212 Lin. ft 36" R.C.P.
San. Sewer Encasement
Pavement Rem. & Rep. as Read.
Backfill & Flushing as Read.
fence Rem. & Rep.

Note: All material, labor, extra work, removal, appurtenances etc. necessary to properly complete the project to be included in the lump sum bid of Lines #1 & 2

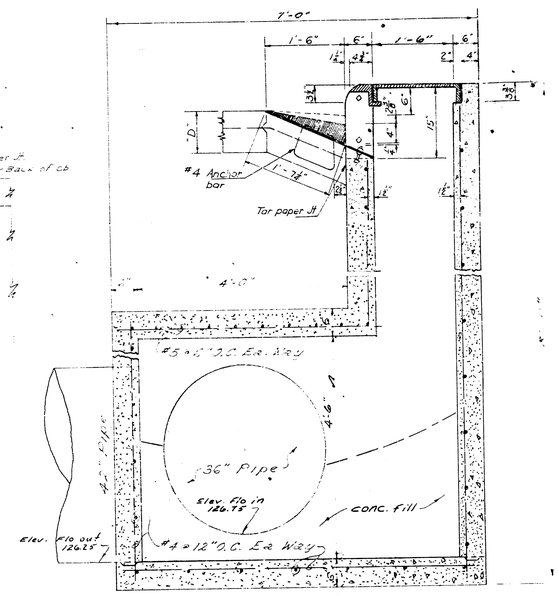
STORM WATER SEWER NO. 90
CITY OF WICHITA, KANSAS



PLAN

STA. 8+60 - LINE NO. 2

Scale 1"=1'-0"

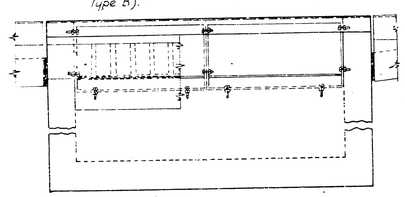


SECTION

STA. 8+60 - LINE NO. 2

Scale 1"=1'-0"

* Hot or Cold poured joint sealing compound, or Premoulded Exp. Jt. Filler (Limited Extrusion, Type B).



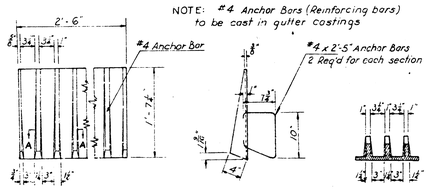
FRONT ELEVATION

NOTE: Use Class "A" concrete thruout and bevel all exposed edges with a ¾" triangular moulding.

Reinforcing steel shall be bent around pipe.

A test bar shall be cast on each casting. The specimen may be of any cross section that will provide a machined test bar ¾" in diameter and 8" in length, and shall be cast away sufficiently from the body of the casting before annealing so that it can be easily removed, but it shall not be torn-ragged or detached. The heat number shall be stamped on each test specimen and on the body of the casting.

No substitutions of design will be permitted on castings. No deductions in concrete quantities shall be made for pipe openings.



PLAN

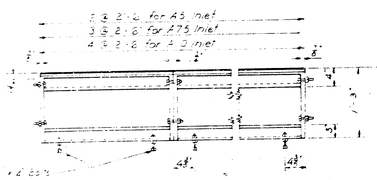
Weight = 132 Lbs per 2'-6" section

NOTE: #4 Anchor Bars (Reinforcing bars) to be cast in gutter castings

END VIEW

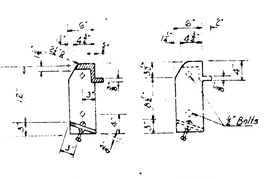
SECTION A-A

DETAILS OF GUTTER CASTING (IRON)



ELEVATION

TYPES A5-1, A7.5-1 & A10-1

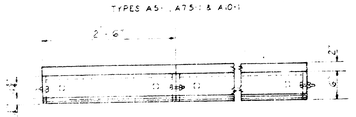


SECTION

END VIEW

TYPES A5-1, A7.5-1 & A10-1

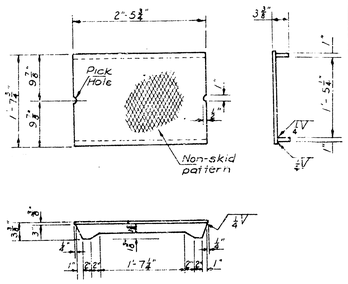
NOTE: All bolts and nuts shall be galvanized



PLAN

TYPES A5-1, A7.5-1 & A10-1

Weight = 129 Lbs per 2'-6" section



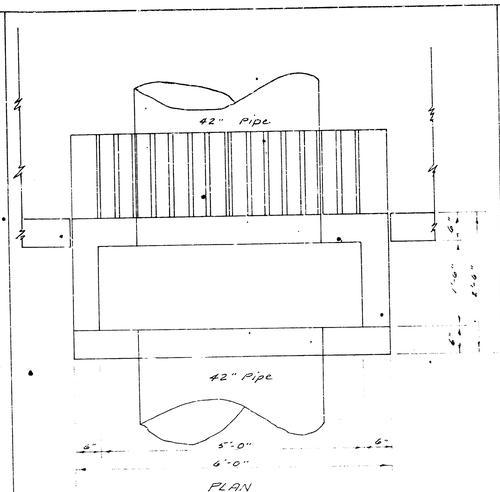
COVER

Structural Steel Plate

Weight 100# Each

Cover plate shall be painted in accordance with the Std. spec's.

TYPE 'A' CURB INLET

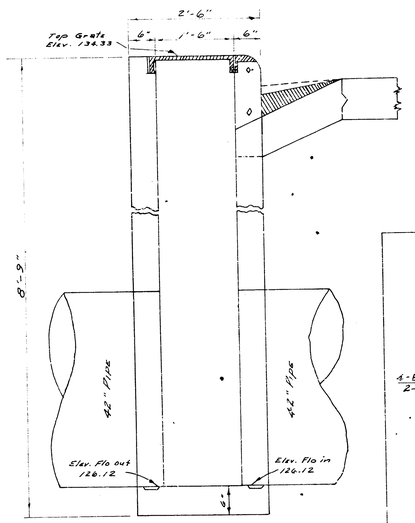


PLAN

STA. 8+28 - LINE NO. 2

* NOTE: SEE STA. 8+60 FOR STEEL DETAIL ETC.

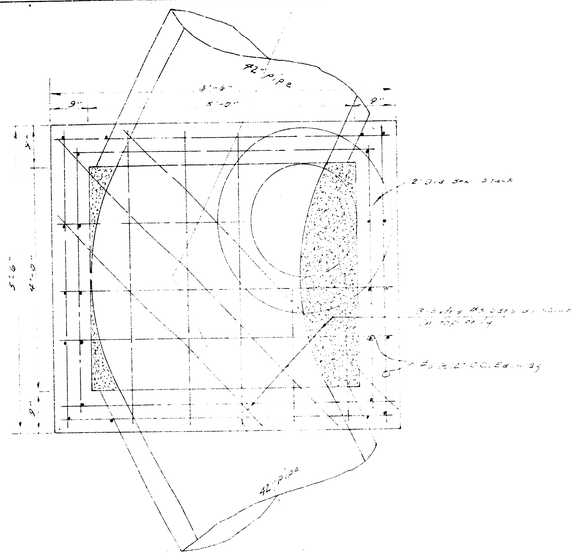
Scale 1"=1'-0"



SECTION

STA. 8+28 - LINE NO. 2

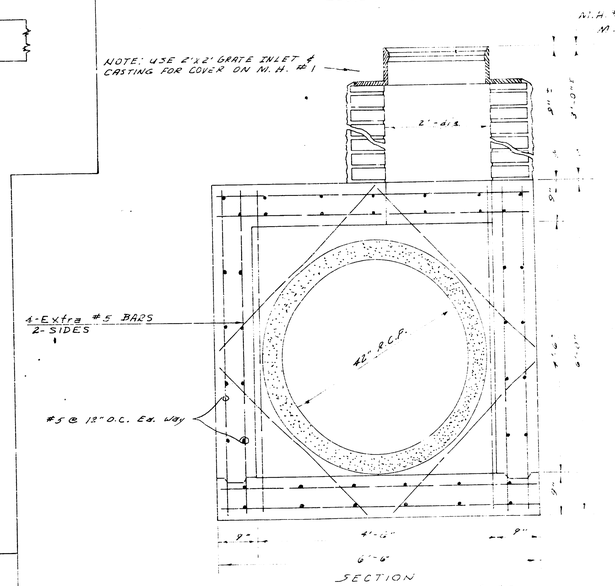
Scale 1"=1'-0"



PLAN

REINF. CONC. M.H. DETAIL M.H. #1 & #2

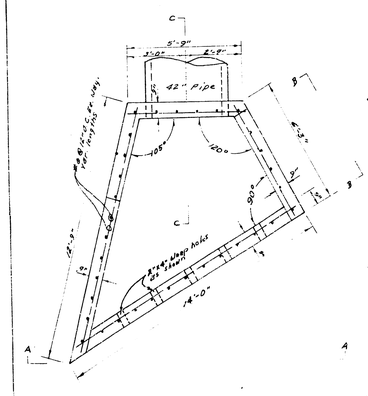
Scale 1"=1'-0"



SECTION

REINF. CONC. M.H. DETAIL M.H. #1 & 2

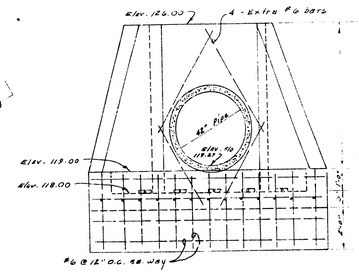
Scale 1"=1'-0"



PLAN

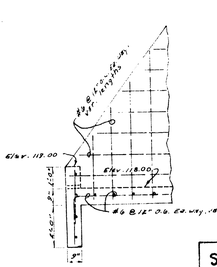
OUTFALL STRUCTURE STA. 0120

Scale ⅜"=1'-0"



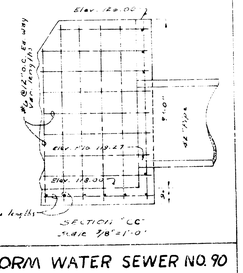
SECTION "AA"

Scale ⅜"=1'-0"



SECTION "BB"

Scale ⅜"=1'-0"



SECTION "CC"

Scale ⅜"=1'-0"

STORM WATER SEWER NO. 90
CITY OF WICHITA, KANSAS
B.E. SMITH, CITY ENGINEER
PROJECT NO. C29-1
DATE:
SHEET 2 OF 2