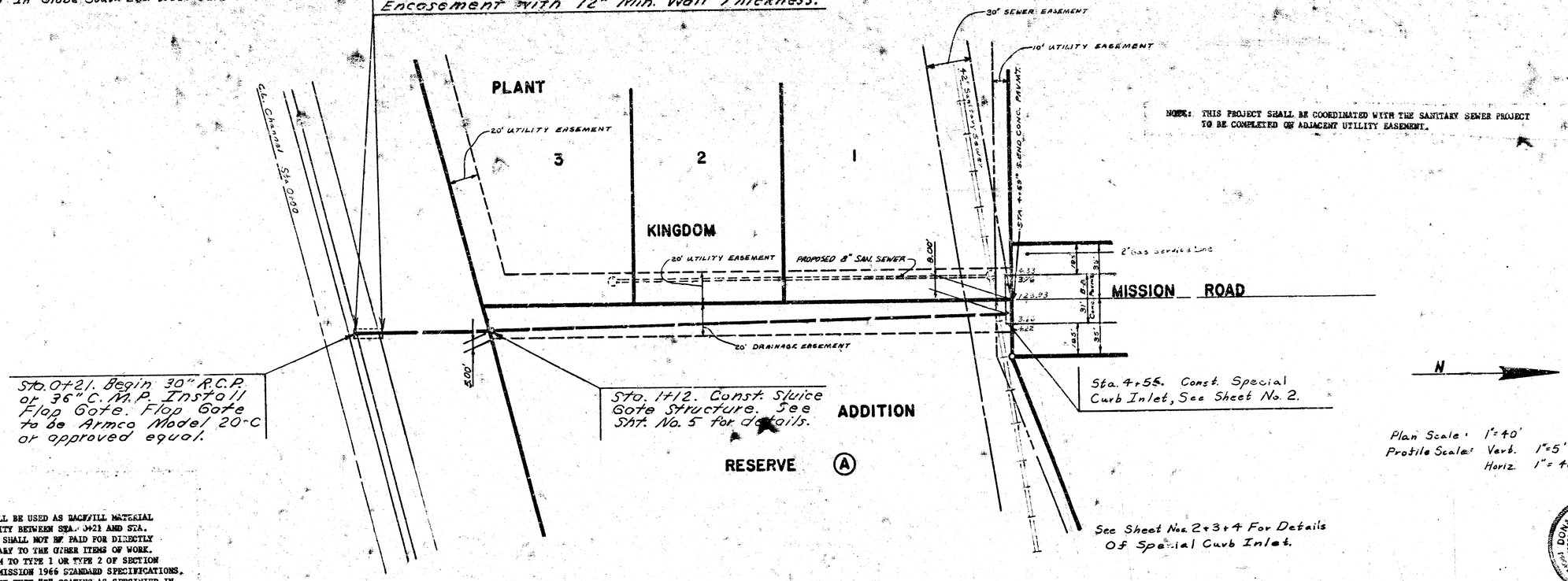
BM #1 12.34 "G" In Globe South End West Curb Mission Road.

Sta. 0+21 to Sta. 0+41. Const. Reinf. Conc. Encasement with 12" Min. Wall Thickness.



NOTE: THIS PROJECT SHALL BE COORDINATED WITH THE SANITARY SEWER PROJECT TO BE COMPLETED ON ADJACENT UTILITY EASEMENT.

Sta. 0+21. Begin 30" R.C.P. or 36" C.M.P. Install Flap Gate. Flap Gate to be Armco Model 20-C or approved equal.

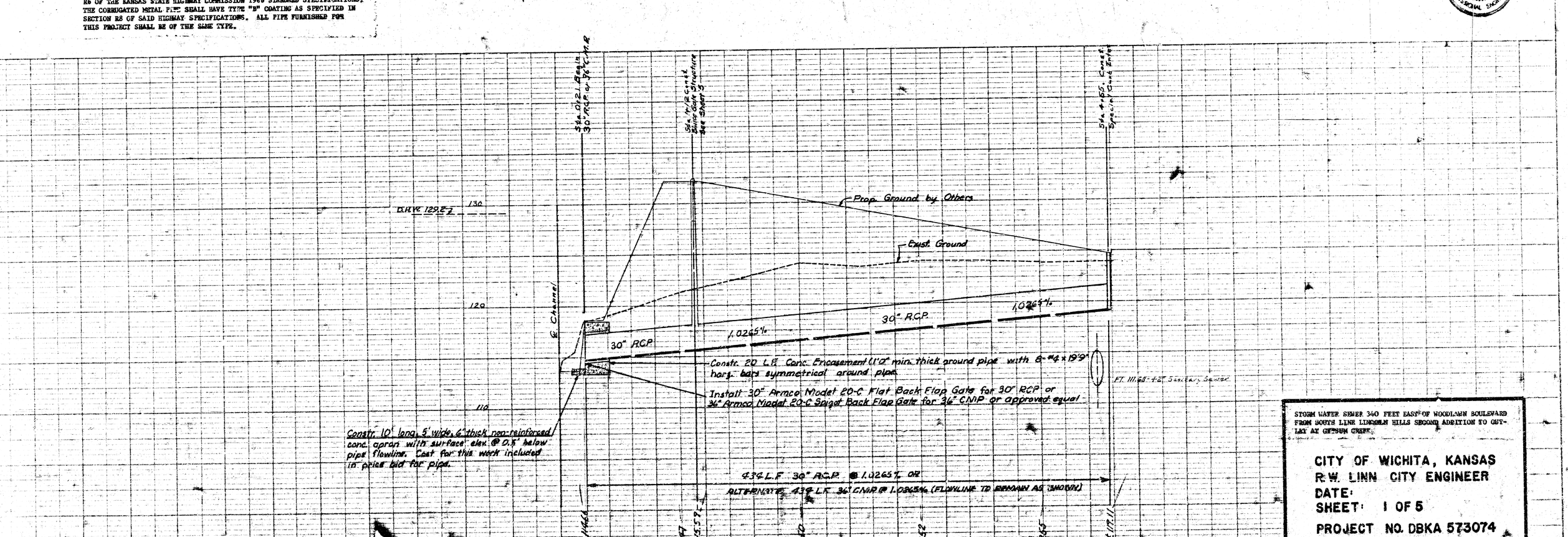
Sta. 1+12. Const. Sluice Gate Structure. See Sht. No. 5 for details.

Sta. 4+55. Const. Special Curb Inlet, See Sheet No. 2.

See Sheet Nos. 2+3+4 For Details Of Special Curb Inlet.

Plan Scale: 1"=40'
Profile Scale: Vert. 1"=5'
Horiz. 1"=40'

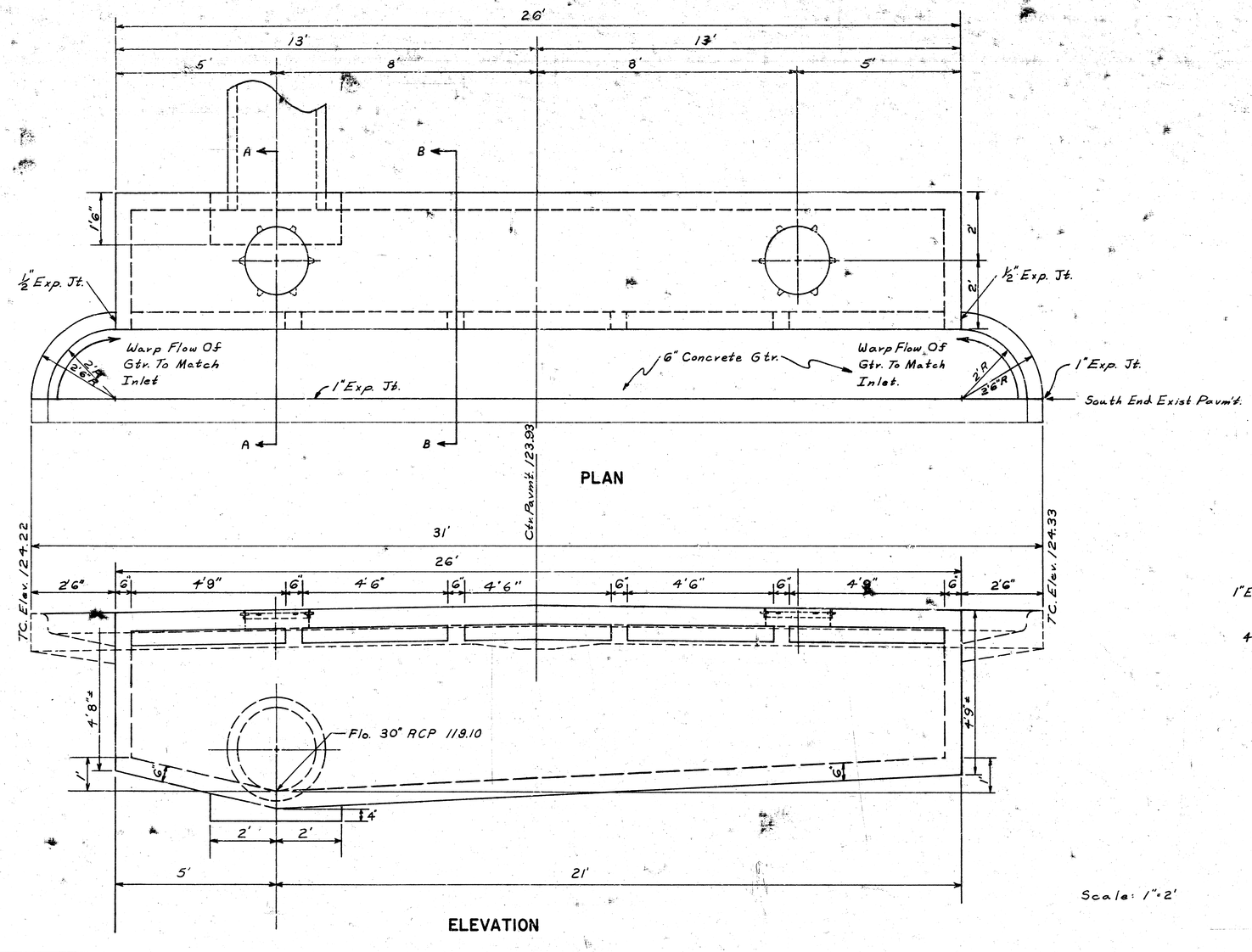
NOTE: MATERIAL EXCAVATED FROM TRENCH SHALL BE USED AS BACKFILL MATERIAL AND COMPACTED TO ORIGINAL CUT DENSITY BETWEEN STA. 0+21 AND STA. 1+12. COMPACTION OF THIS BACKFILL SHALL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK. CORRUGATED METAL PIPE SHALL CONFORM TO TYPE 1 OR TYPE 2 OF SECTION R6 OF THE KANSAS STATE HIGHWAY COMMISSION 1966 STANDARD SPECIFICATIONS. THE CORRUGATED METAL PIPE SHALL HAVE TYPE "B" COATING AS SPECIFIED IN SECTION R8 OF SAID HIGHWAY SPECIFICATIONS. ALL PIPE FURNISHED FOR THIS PROJECT SHALL BE OF THE SAME TYPE.



STORM WATER SEWER 340 FEET EAST OF WOODLAWN BOULEVARD FROM SOUTH LINE LINCOLN HILLS SECOND ADDITION TO GUTHRIE AT GYPSUM CREEK.

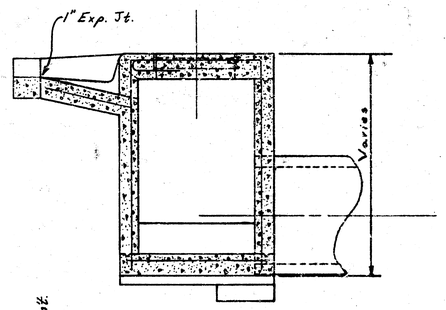
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
DATE:
SHEET: 1 OF 5
PROJECT NO. DBKA 573074

DONALD E. SCHNEIDER LICENSED 6311 KANSAS PROFESSIONAL ENGINEER



PLAN

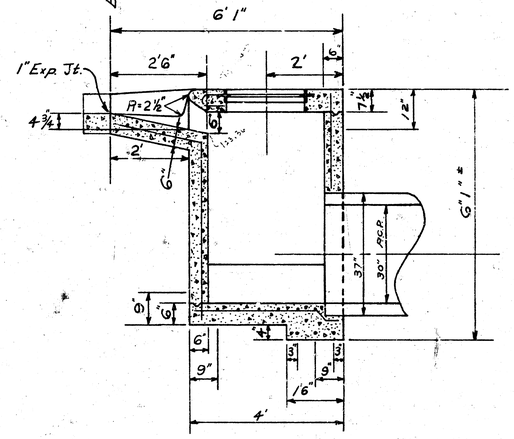
ELEVATION



SECTION B-B

Estimated Inlet Quantities	
Material	Quantity
Concrete	10 C.Y.
Reinforcing Steel	3120 Lbs.
Cast Iron Manhole Lids	2 @ 64 Lbs.
Cast Iron Manhole Rings	2 @ 53 Lbs.
Excavation	30 C.Y.

NOTE: Qty Of Conc. For Inlet Also Includes Qty. Conc. For Gtr., Conc For Inlet + Gtr. To Conform To City Of Wichita Std. Specifications For Conc. Pavement.

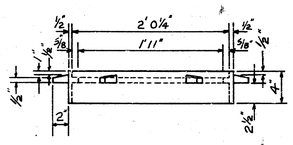


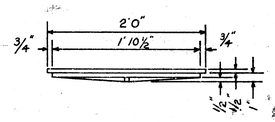
SECTION A-A

Scale: 1"=2'

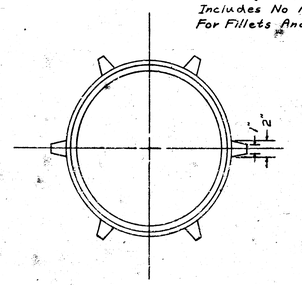
NOTE: See Sheet #3 For Reinforcing Details.

NOTE: CONCRETE GUTTER AND ADDITIONAL CURB CONSTRUCTED FROM THE END OF THE EXISTING PAVEMENT TO THE SPECIAL CURB INLET WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR THE SPECIAL CURB INLET.

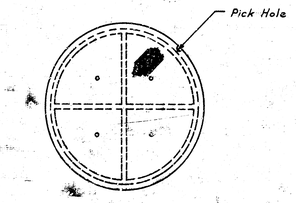




NOTE: Weight Of Castings Includes No Allowance For Fillets And Overruns.



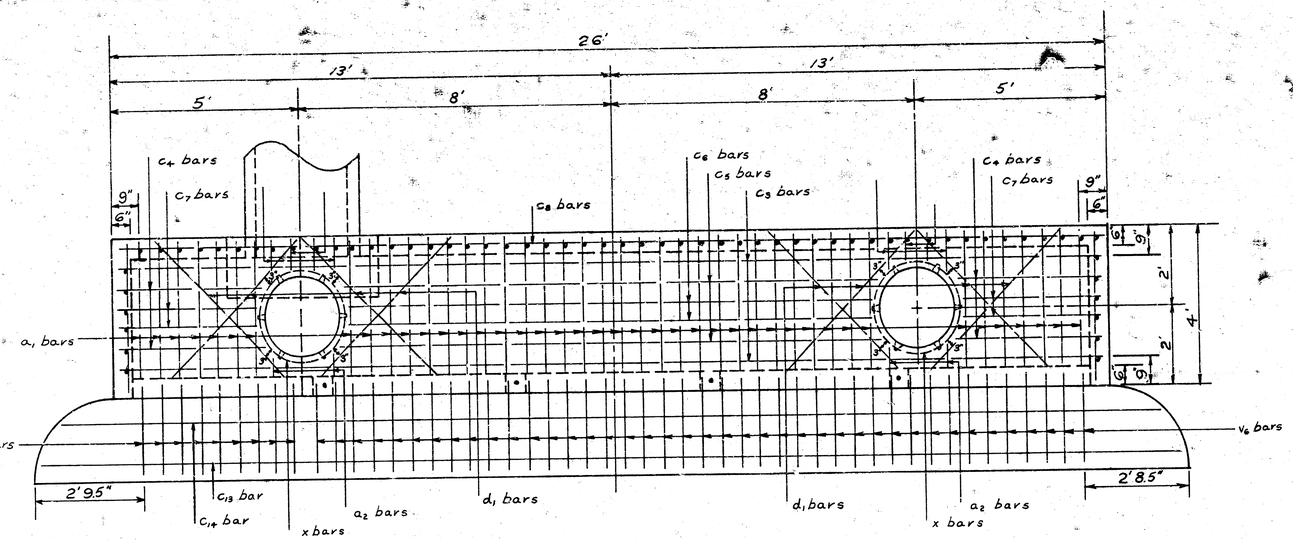
Cast Iron Manhole Ring



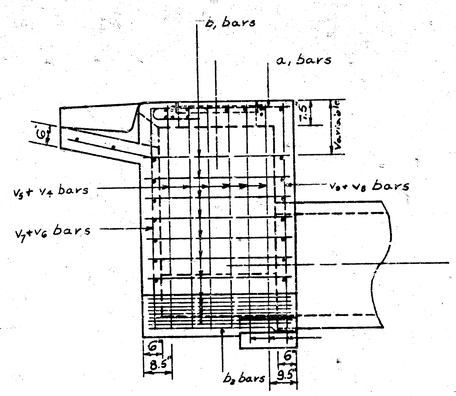
Cast Iron Manhole Cover

SPECIAL CURB DETAIL

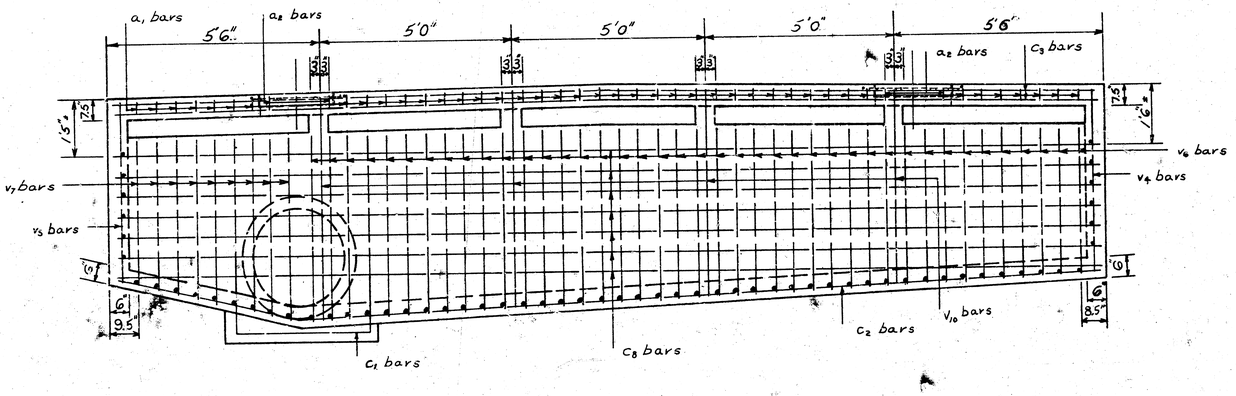
STORM WATER SEWER 340 FEET EAST OF WOODLAWN BOULEVARD FROM SOUTH LINE LINCOLN HILLS SECOND ADDITION TO OUTLET AT GYPSUM CREEK.



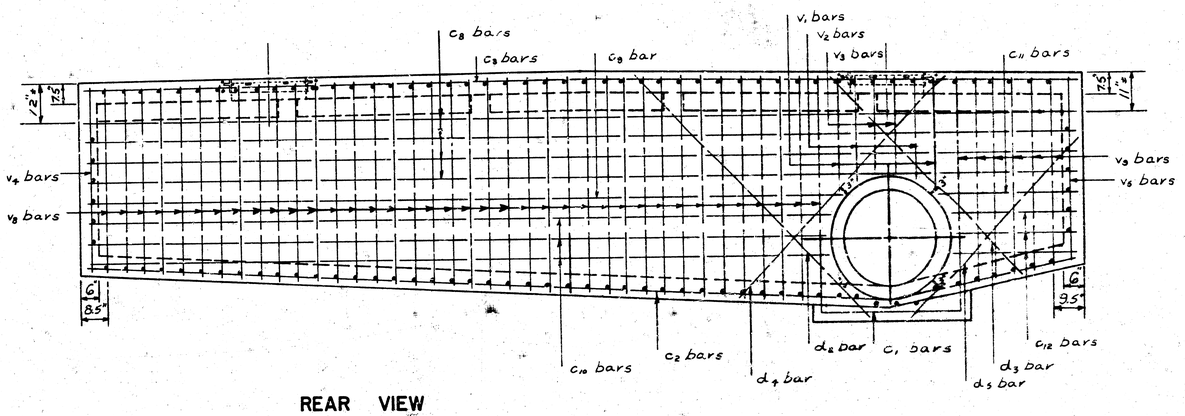
TOP VIEW



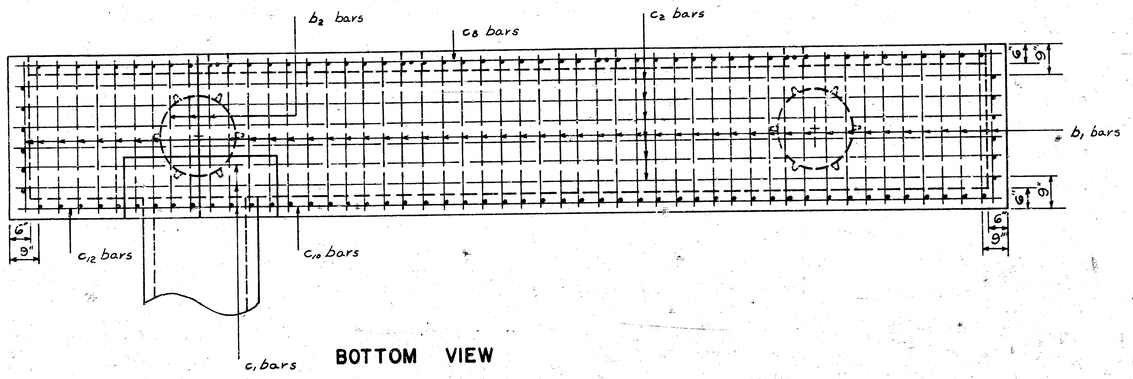
SIDE VIEW



FRONT VIEW



REAR VIEW



BOTTOM VIEW

Scale: 1"=2'

SPECIAL CURB REINFORCEMENT

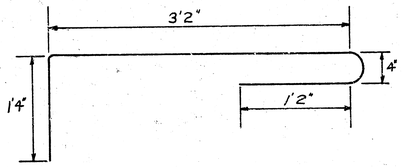
STORM WATER SEWER 340 FEET EAST OF WOODLAWN BOULEVARD FROM SOUTH LINE LINCOLN HILLS SECOND ADDITION TO OUTLET AT GYPSUM CREEK.

SHEET: 3 OF 5

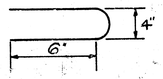
Bill Of Materials For Special Inlet			
Bar Symbols	Bar Sizes	Bar Totals	Bar Lengths
A_1	#4	42	6'
A_2	#4	4	1'4"
B_1	#4	59	3'9"
B_2	#4	3	3'10"
B_3	#4	4	9"
B_4	#4	4	1'1"
C_1	#4	3	6'11"
C_2 #	#4	6	25'11"
C_3 #	#4	2	25'11"
C_4	#4	4	4'
C_5 #	#4	2	14'3"
C_6 #	#4	2	13'7"
C_7	#4	4	2'8"
C_8	#4	11	25'9"
C_9	#4	1	19'9"
C_{10}	#4	3	19'5"
C_{11}	#4	1	3'9"
C_{12}	#4	3	3'5"
C_{13}	#4	1	29'8"
C_{14}	#4	1	28'10"
D_1	#4	8	4'9"
D_2	#4	1	8'6"
D_3	#4	1	7'
D_4	#4	1	7'6"
D_5	#4	1	6'
V_1	#4	2	3'1"
V_2	#4	2	2'7"
V_3	#4	2	2'5"
V_4	#4	6	3'10"
V_5	#4	6	3'9"
V_6	#4	41	5'10" ⇒ 6'6" ✱
V_7	#4	9	5'9" ⇒ 6'1" By 1⅝"
V_8	#4	38	4'7" ⇒ 5'6" ✱
V_9	#4	6	4'6" ⇒ 5'2" By 1⅝"
V_{10}	#4	4	5'6" ⇒ 4'10" By 2⅝"
X	#4	4	8'6"

Field Bend

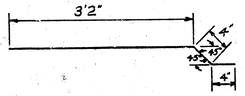
✱ Cut Bars So That There Will Be A Max. Of 3" Or A Min. Of 1½" From The Outside Wall To The End Of The Steel Bars.



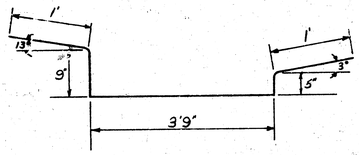
A_1 Bar



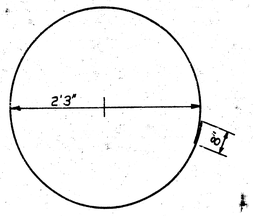
A_2 Bar



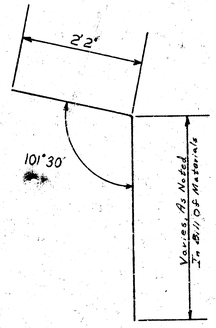
B_2 Bar



C_1 Bar



X Bar



V_6+V_7 Bars

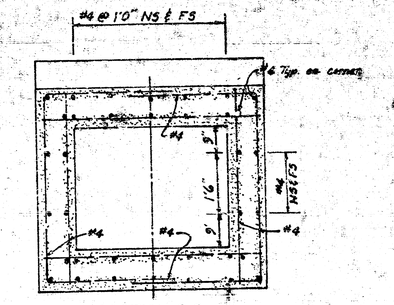
Bending Diagram

(All Dimensions Are Out To Out)

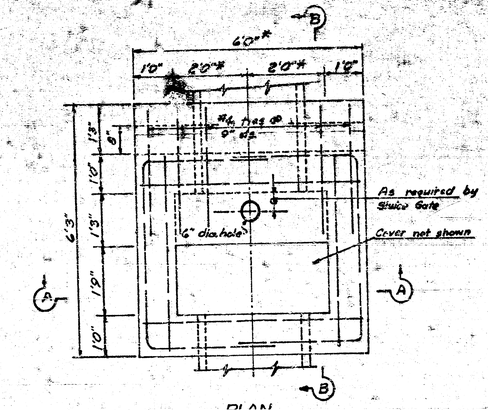
REINFORCING STEEL FOR SPECIAL INLET

STORM WATER SEWER 340 FEET EAST OF WOODLAWN BOULEVARD FROM SOUTH LINK LINCOLN HILLS SECOND ADDITION TO OUTLET AT GYPSUM CREEK.

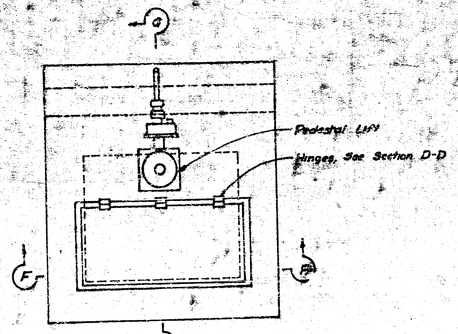
SHEET: 4 OF 5



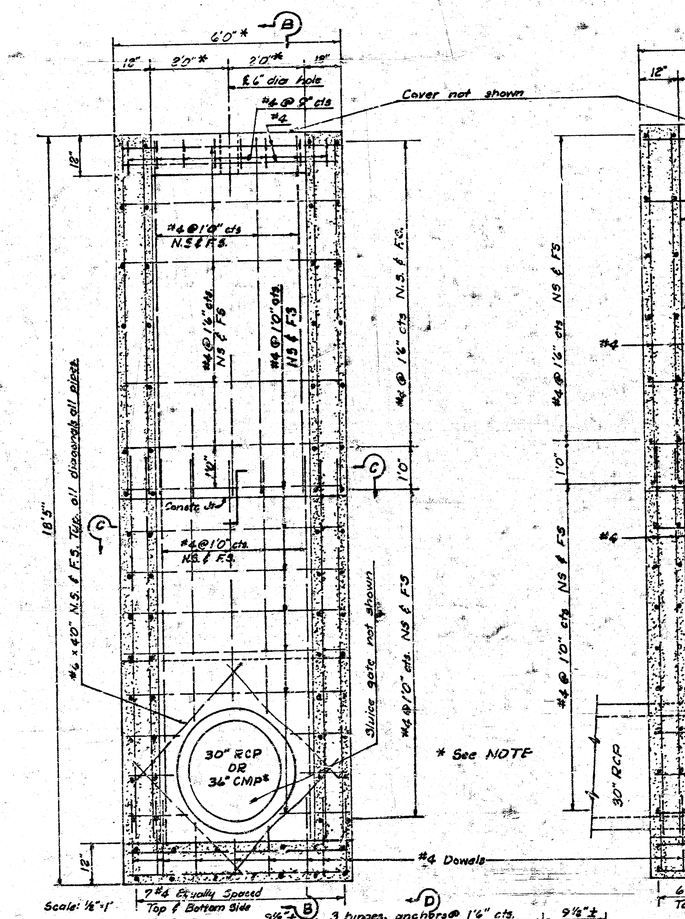
SECTION C-C
Scale: ½"=1'



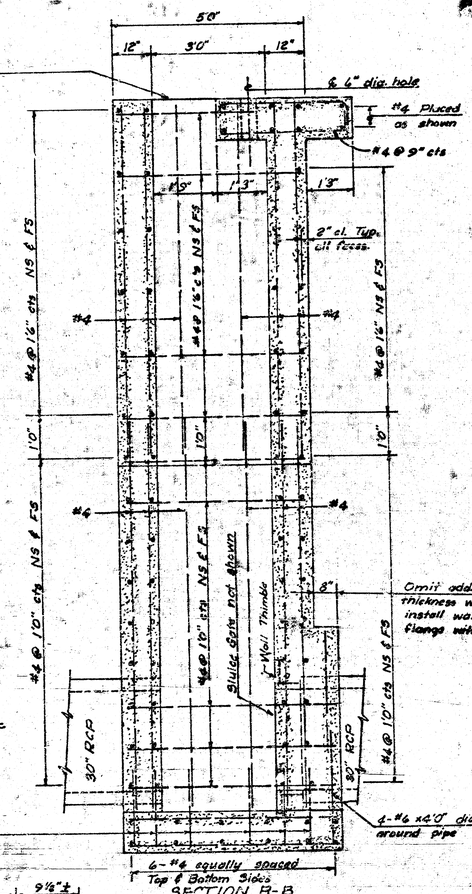
PLAN
Scale: ½"=1'



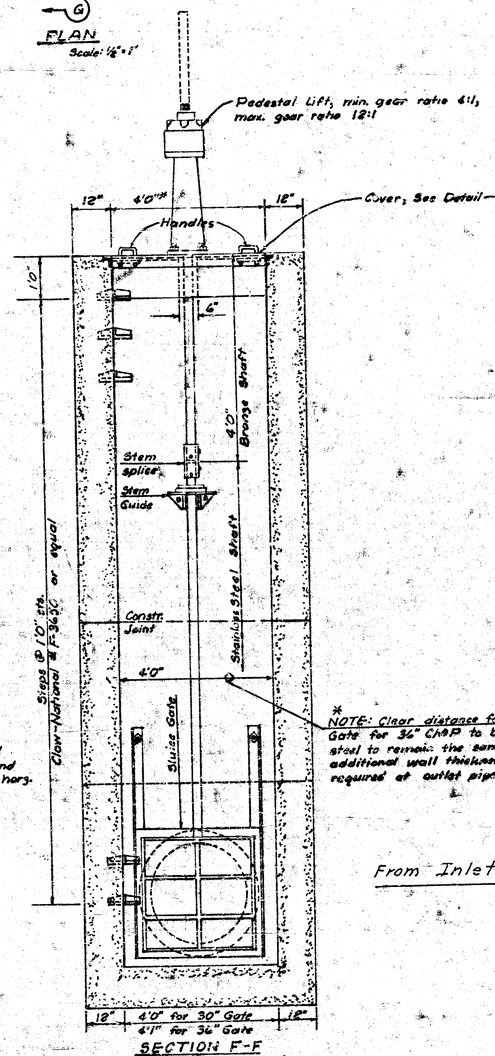
PLAN
Scale: ½"=1'



SECTION A-A
Scale: ½"=1'

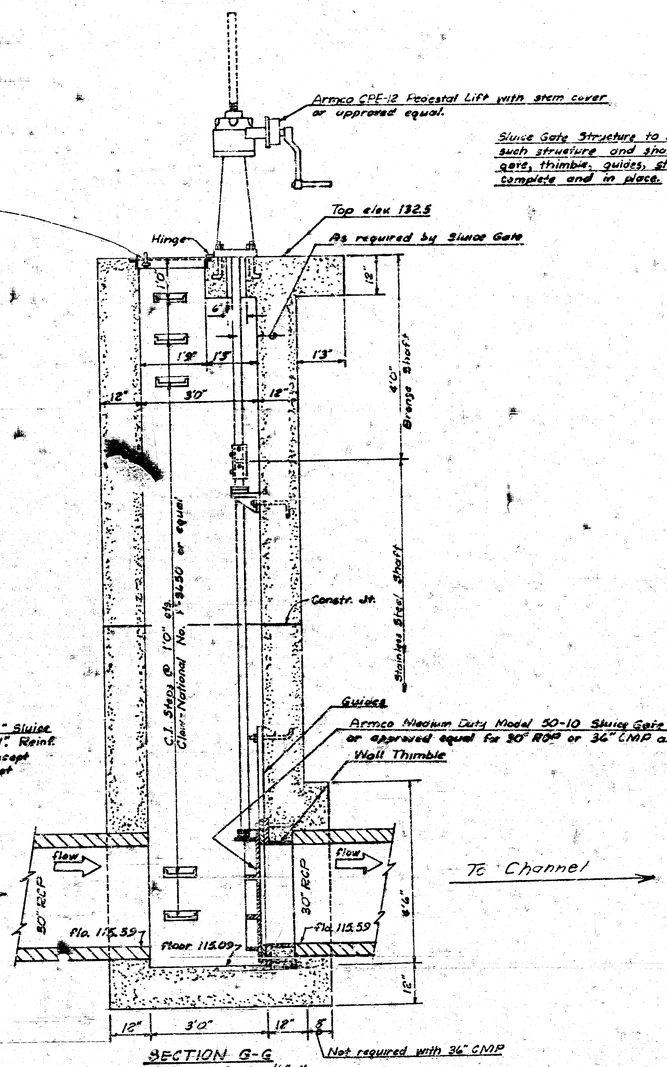


SECTION B-B
Scale: ½"=1'

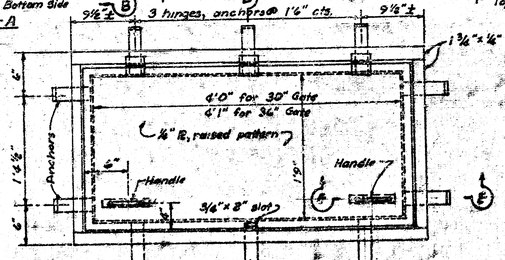


SECTION F-F
Scale: ½"=1'

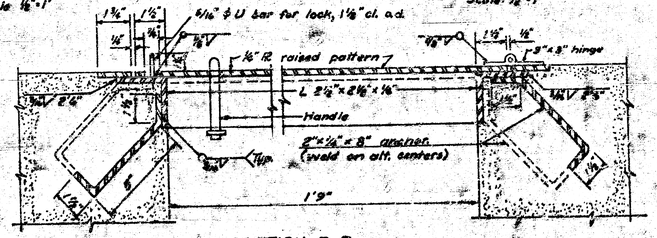
* NOTE: Clear distance for 36" Sluice Gate for 36" CMP to be 4'1". Reinf. steel to remain the same except additional wall thickness not required at outlet pipe.



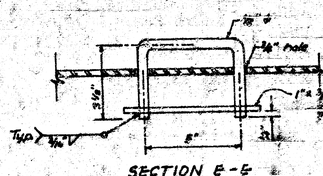
SECTION G-G
Scale: ½"=1'



Scale: 1"=1'



SECTION D-D
Scale: 3"=1'



SECTION E-E
Scale: 3"=1'

SLUICE GATE STRUCTURE

STORM WATER SEWER 340 FEET EAST OF WOODLAWN BOULEVARD FROM SOUTH LINE LINCOLN HILLS SECOND ADDITION TO OUTLET AT GYPSUM CREEK.

SHEET 5 OF 5