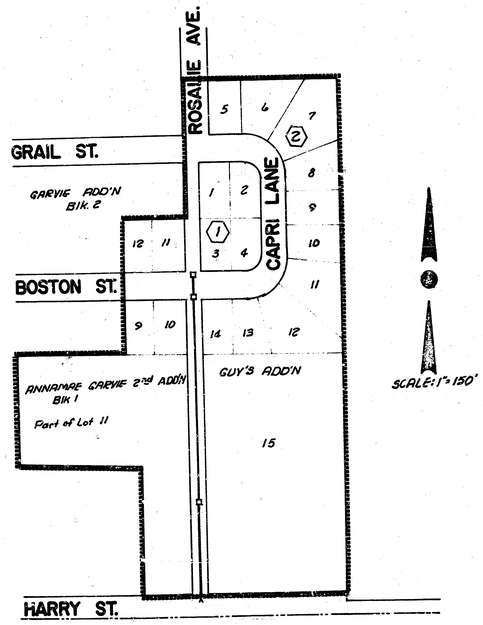
STORM WATER SEWER NO. 238



PROJECT DESCRIPTION

S.W.S. 238

PROJECT NUMBER

468-76-245-81177-000-000-001

BOOK NO. TP-2	APPROVED BY	DATE 6-83
DRAWN BY WSK		REVISED

CITY OF WICHITA
DEPARTMENT OF ENGINEERING

DIRECTOR OF ENG./CITY ENGINEER
R. W. BRUGGEMAN

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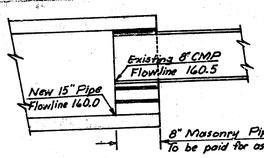
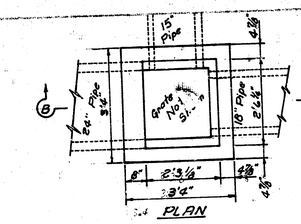
BM 140.13 Word "Dry" painted yellow on Fire Plug, N.L. Harry, near E Easement

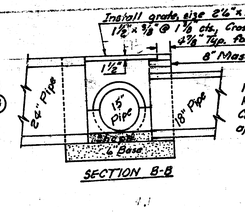


SECTION A-A
Scale: 1"=10'

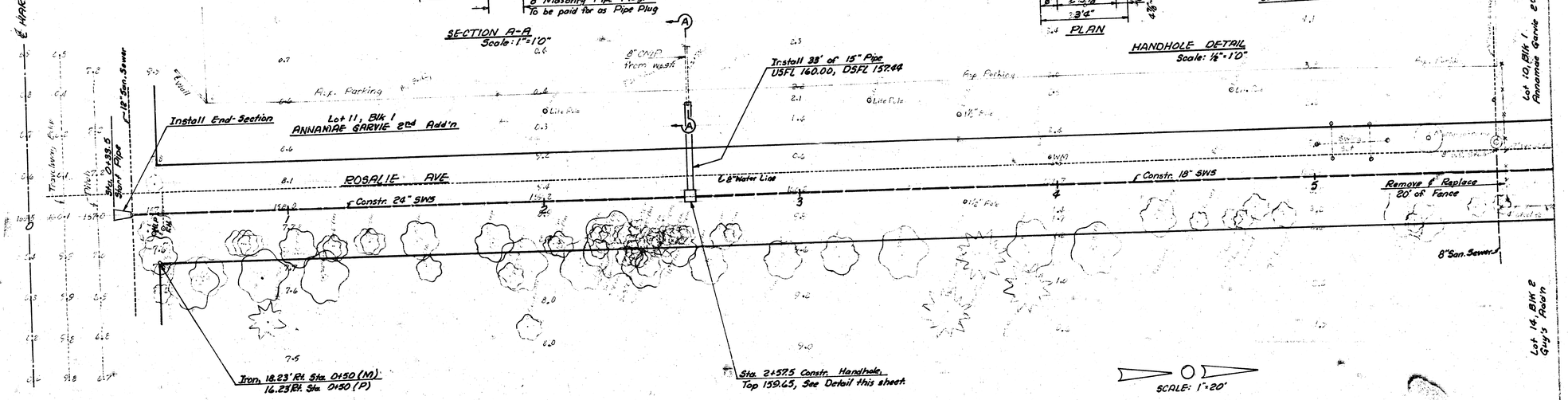


PLAN

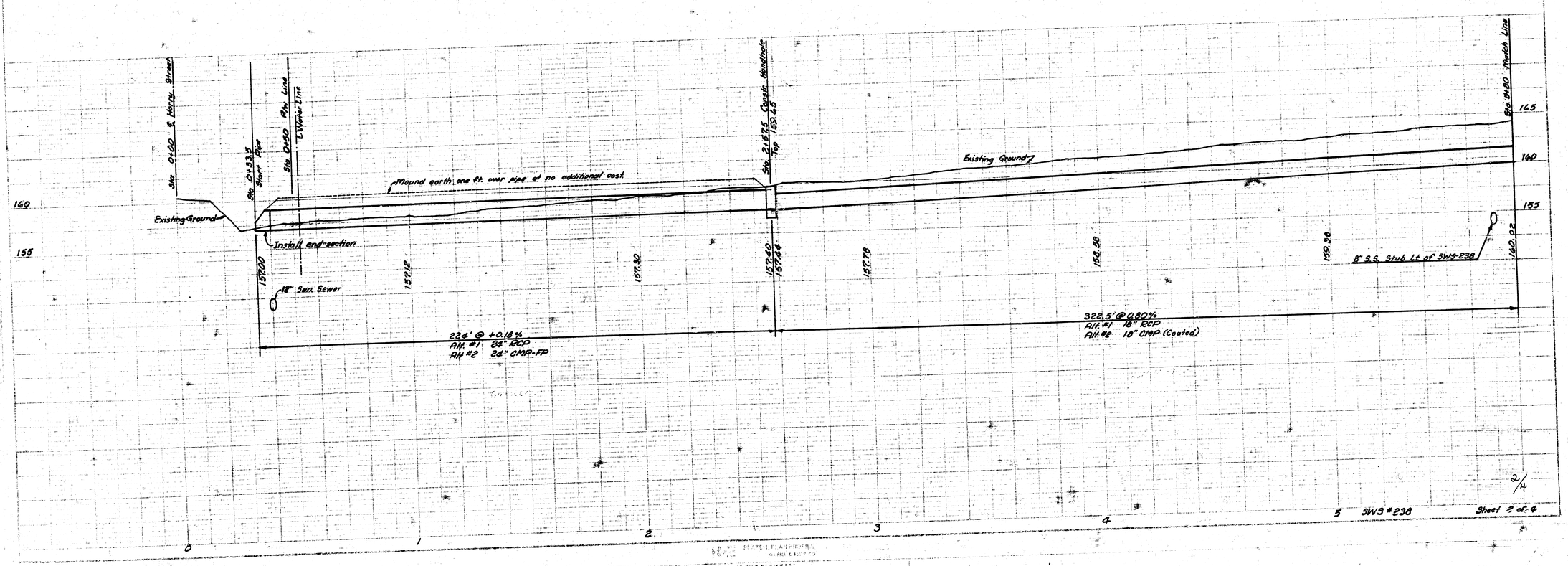
HANDHOLE DETAIL
Scale: ½"=1'0"



SECTION B-B



Lot 15, Blk. 2, Guy's Add'n



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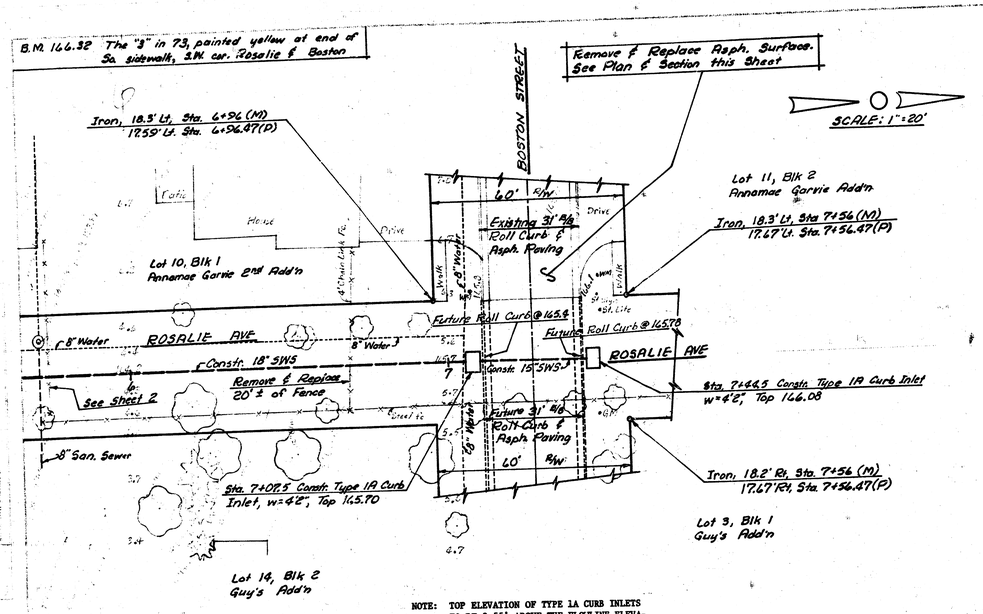
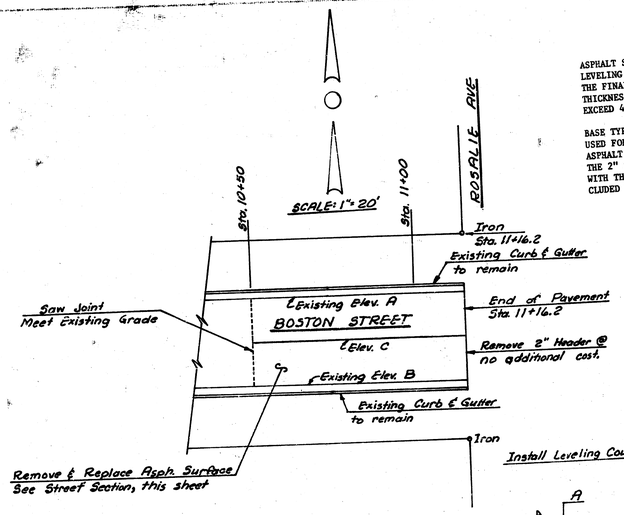


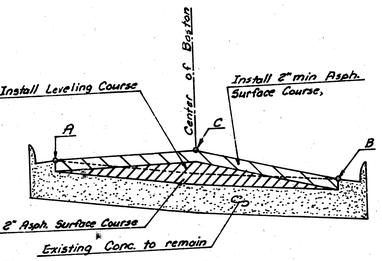
NOTE: TOP ELEVATION OF TYPE 1A CURB INLETS TO BE 0.55' ABOVE THE FLOWLINE ELEVATION OF STREET GUTTER. VERIFY THESE ELEVATIONS WITH STREET PAVING PLAN WHEN USING THE BENCH MARK FOR THE STREET PAVING PLAN.



ASPHALT SURFACING TO BE BID BY THE TON. LEVELING COURSES SHALL BE REQUIRED SO THAT THE FINAL LIFT WILL BE A UNIFORM 2" IN THICKNESS. NO LEVELING COURSE SHALL EXCEED 4" IN DEPTH.

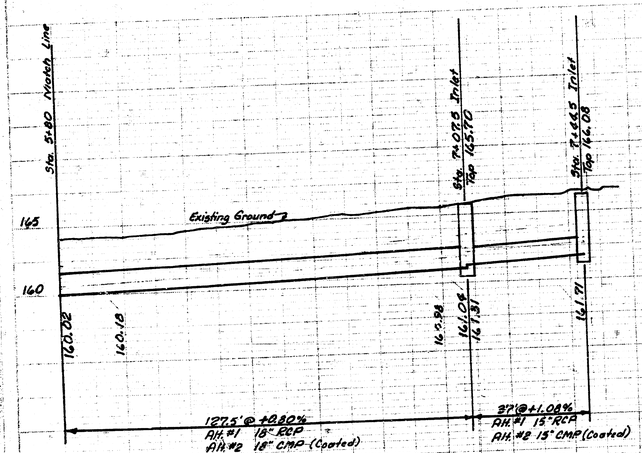
BASE TYPE ASPHALT (MIX TYPE BC-1) MAY BE USED FOR LEVELING COURSES. SURFACE TYPE ASPHALT (MIX TYPE SC-1) SHALL BE USED FOR THE 2" SURFACE LIFT. ALL COSTS ASSOCIATED WITH THE PLACING OF ASPHALT SHALL BE INCLUDED IN THE BID ITEM "TONS OF ASPHALT."

RECONSTRUCTION OF PAVEMENT SURFACE ON BOSTON STREET TO BE COORDINATED WITH CONTRACTOR FOR PAVING BOSTON EAST OF STATION 11+16.2.



NOTE: Elev. C = $\frac{\text{Elev. A} + \text{Elev. B}}{2} + 0.39$

BOSTON STREET SECTION (Sta. 11+16.2)
Scale: Hor. 1"=6'
Ver. 1"=1'



PROFILE

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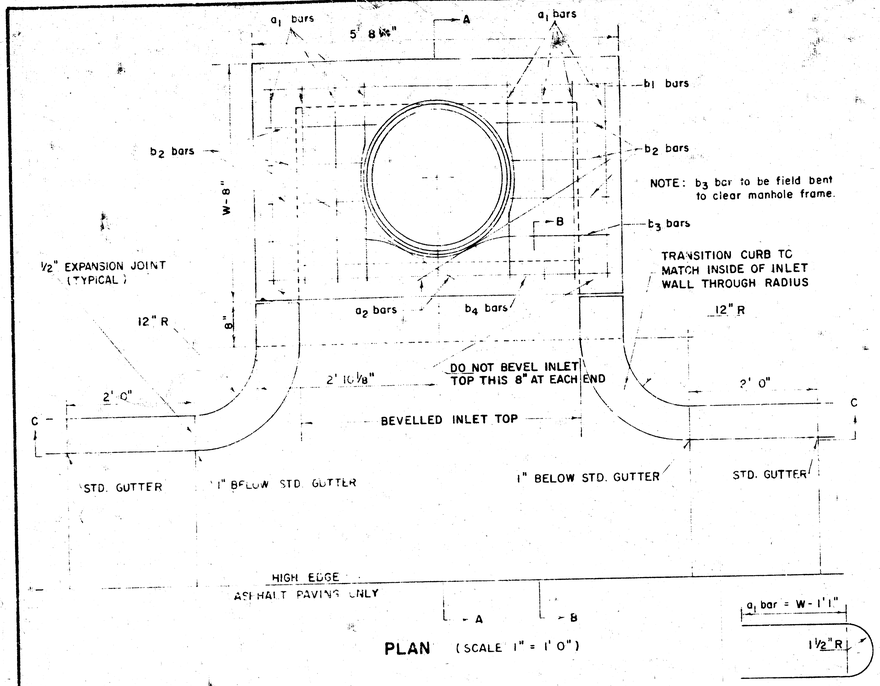
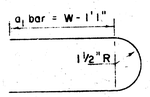


PLAN (SCALE 1" = 1'0")



BENDING DIAGRAM

STEEL SCHEDULE

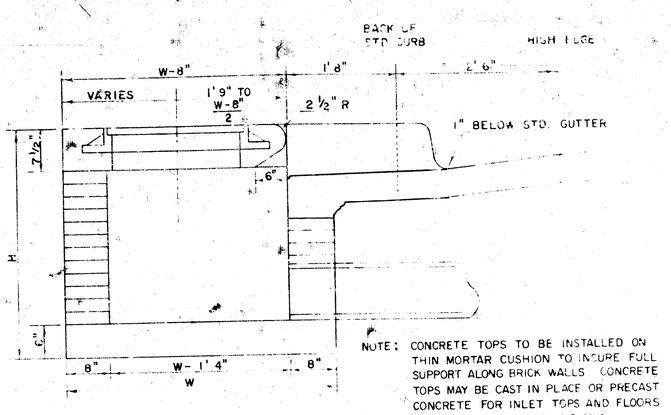
BAR		a_1	a_2*	b_1 W=4'2"	b_1 W=5'0"	b_1 W=6'0"	b_1 W=7'0"	b_1 W=8'0"	b_2	b_3	b_4	WT. LBS.
NUMBER		8	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W=4'2"	6'5"	3'4"	5'5"	–	–	–	–	1'5"	5'6"	5'5"	60#
	W=5'0"	8' 1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77#
	W=6'0"	10' 1"	5'4"	–	–	5'5"	–	–	1'5"	5'6"	5'5"	97#
	W=7'0"	11' 1"	6'4"	–	–	–	5'5"	–	1'5"	5'6"	5'5"	111#
	W=8'0"	12' 1"	7'4"	–	–	–	–	5'5"	1'5"	5'6"	5'5"	124#

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

STANDARD CURB INLET PRECAST TOPS

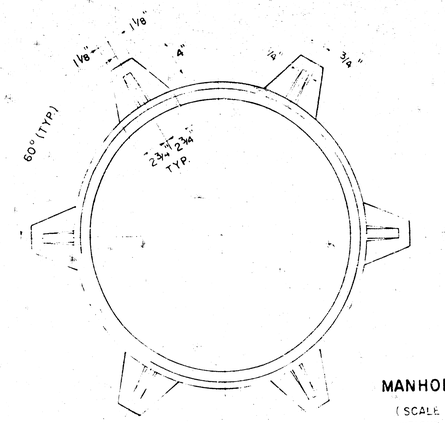
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

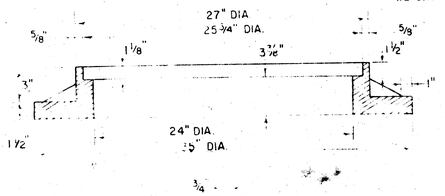


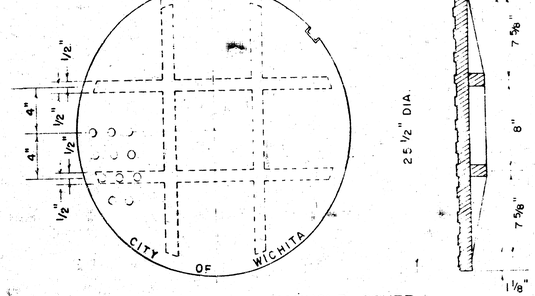
SECTION A-A
(SCALE 1" = 1'0")

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE *STANDARD* PAVING MIX.

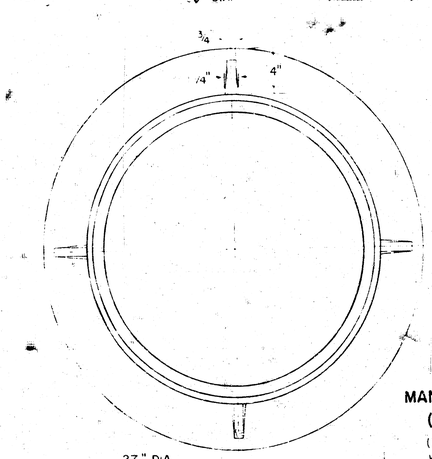


MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.

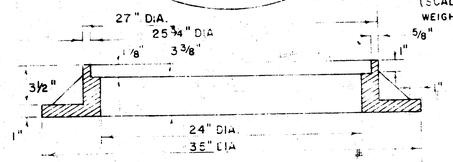


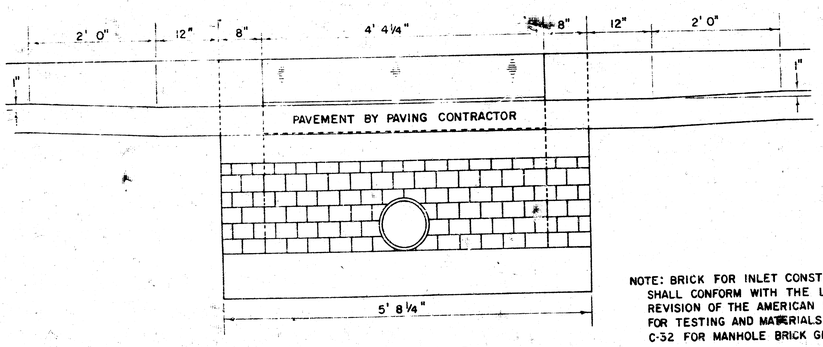


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



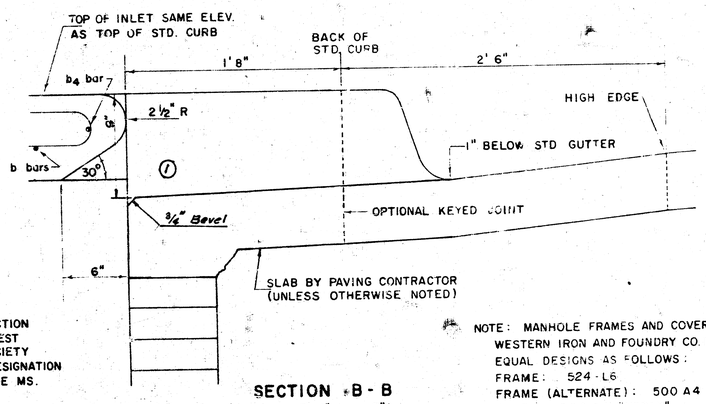
MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.





SECTION C-C
(SCALE 1" = 1'0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.



SECTION B-B
(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 524-L6
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

(1) Rev. 5-18-81

DETAIL STANDARD TYPE 1A CURB INLET

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/ CITY ENGINEER

JUNE, 1981

SW3 #238

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