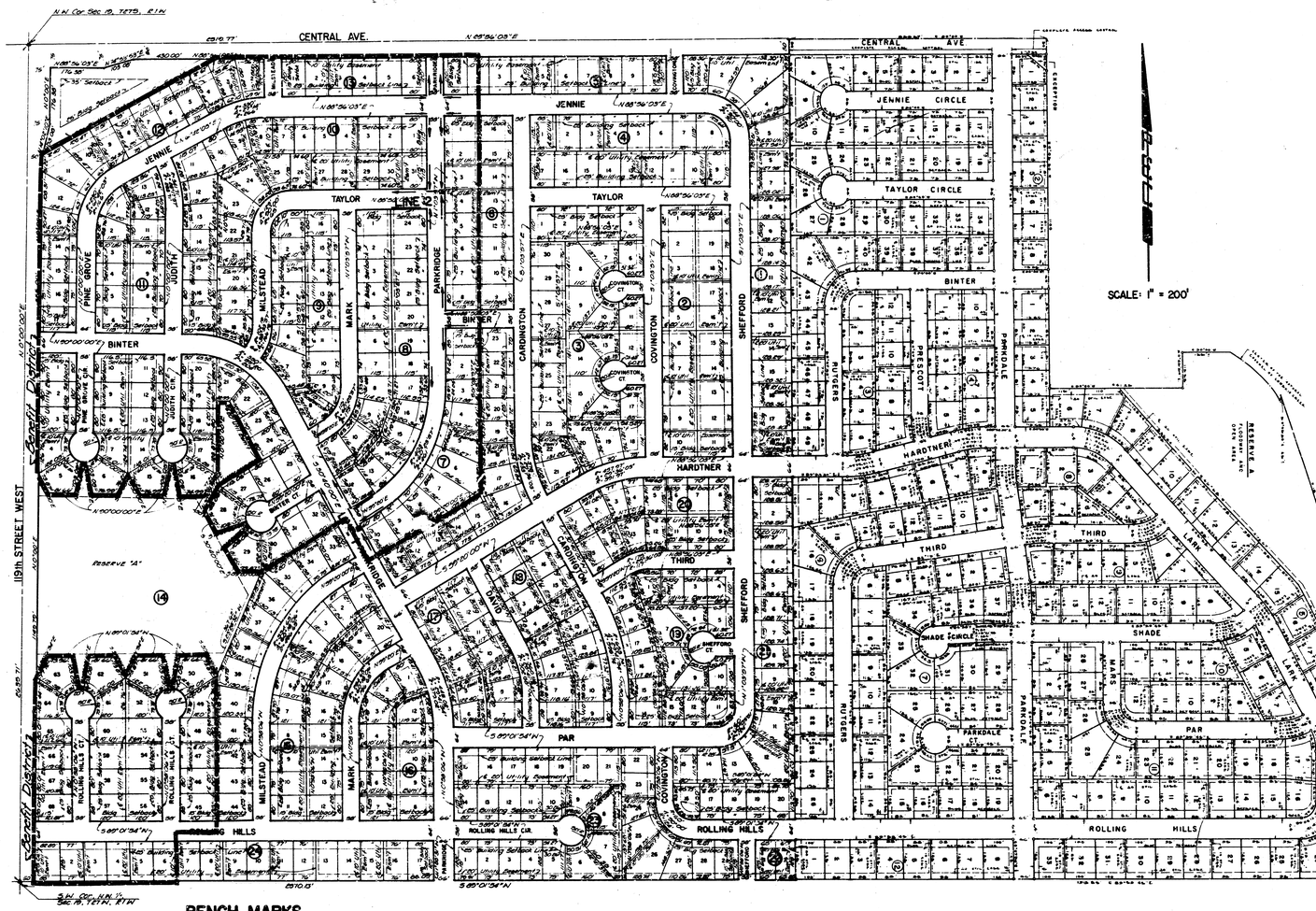
CITY OF WICHITA, KANSAS

STORM WATER SEWER NO. 156 (PHASE I)

DEAN S. SELLERS, ACTING CITY ENGINEER



BENCH MARKS

BM-14749- "a" cut in N. end of conc. spillway approx. 35' S. of N.L. Hardtner & 40'E. of W.L. of Westlink 17th Addn.

BM-15437- R.R. Spike in S. face P.P. N. side Central & 3'W. of hedge N., ½ mile W. of Maize Road.

BM-16052- R.R. Spike in H.L.P. 30'E. & 23'N. of N.E. Cor. of Central & Parkridge.

INDEX OF SHEETS

1	TITLE SHEET
2	LINES 1 & 2
3	TYPE IA CURB INLET DETAILS

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS, AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
2. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.
3. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
4. ALL METAL PIPES SHALL BE HELICALLY CORRUGATED PIPE, AND SHALL BE SMOOTH FLOW PIPES FOR SIZES 24" DIAMETER OR LARGER. ALL CONNECTIONS FOR THESE PIPES SHALL BE FAIRLY WATERTIGHT CONSTRUCTED USING HUGGER TYPE COUPLER OR EQUAL.
5. ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPT. ENGINEER.
7. CONTRACTOR SHALL HAVE THE OPTION TO INSTALL PRE-CAST TYPE I-A CURB INLET IN LIEU OF THE BRICK TYPE CONSTRUCTION, SEE STANDARD DETAIL PRE-CAST TYPE I-A INLET DATED AUGUST, 1979.
8. EXCESS TRENCH MATERIAL SHALL BE WASTED AS DIRECTED BY SITE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

No.	Revision	By	Date

CITY OF WICHITA, KANSAS
DEAN S. SELLERS CITY ENGINEER

TITLE SHEET

PHASE I
STORM WATER SEWER 156
PROJ. NO. 468-76-245-80725-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

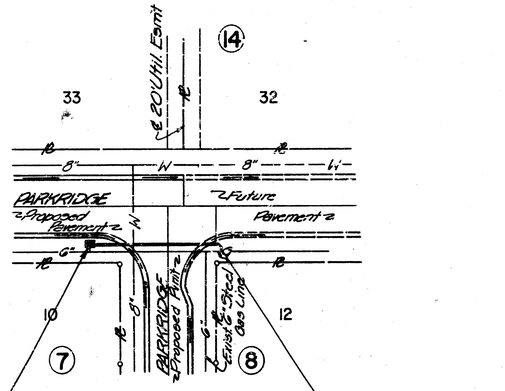
Designed by CSB | Job No. 7804-042 | Sht. 1 of 3
Drawn by | Date October 1979

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LINE 1 (LATERAL)

WESTLINK NINETEENTH ADDITION

SCALE 1"=40'

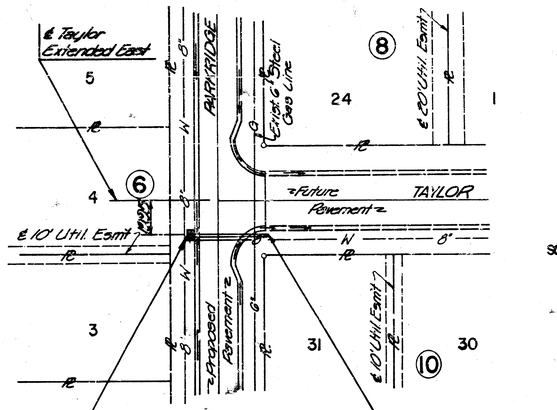


Construct Standard Type IA Curb Inlet, W=4'-2" Install 77.7 L.F. 15" Pipe (NW) I.E. Out = 154.02 Top Elev. = 157.96

End of Pipe, Install Temporary Plug with 2" Plank Bulkhead.

LINE 2 (LATERAL)

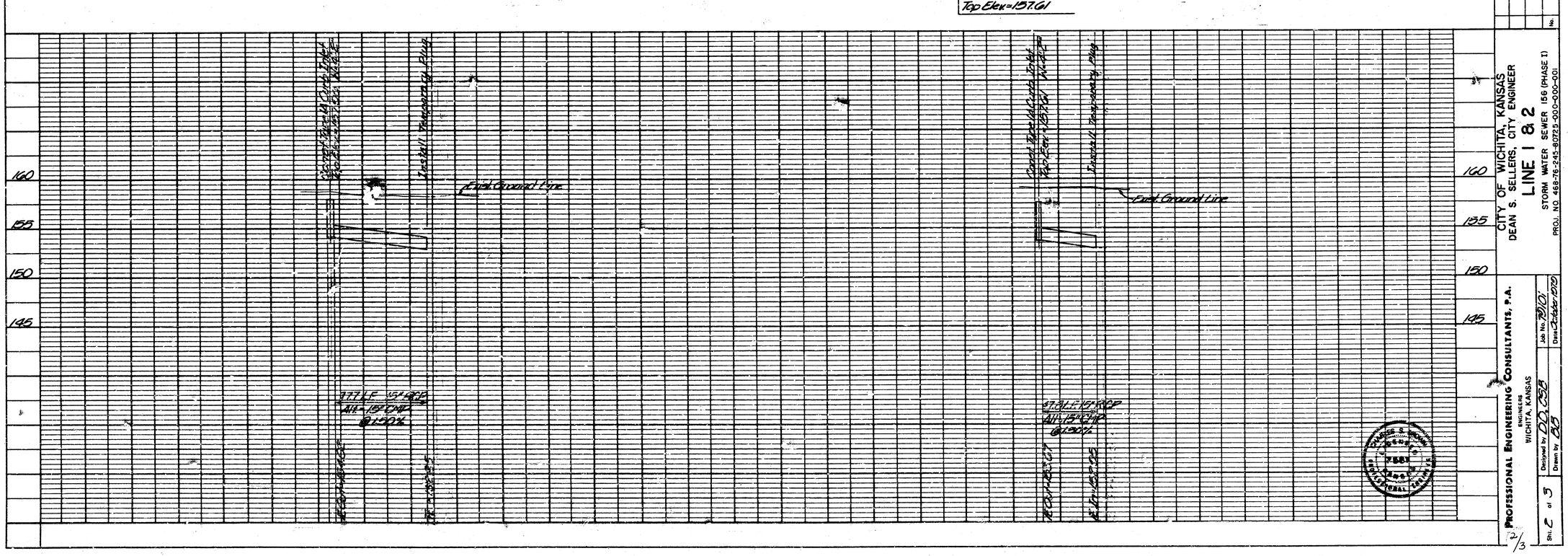
WESTLINK NINETEENTH ADDITION



SCALE 1"=40'

Const. Std. Type IA Curb Inlet, W=4'-2" Install 47.8 L.F. 15" Pipe (W) I.E. Out = 153.67 Top Elev. = 157.61

End of pipe, Install Temporary Plug with 2" Plank Bulkhead.



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by DO
Drawn by DS
Job No. 7810
Date October 1979
Sht. 2 of 3

CITY OF WICHITA, KANSAS
DEAN S. SELLERS, CITY ENGINEER

LINE 1 & 2

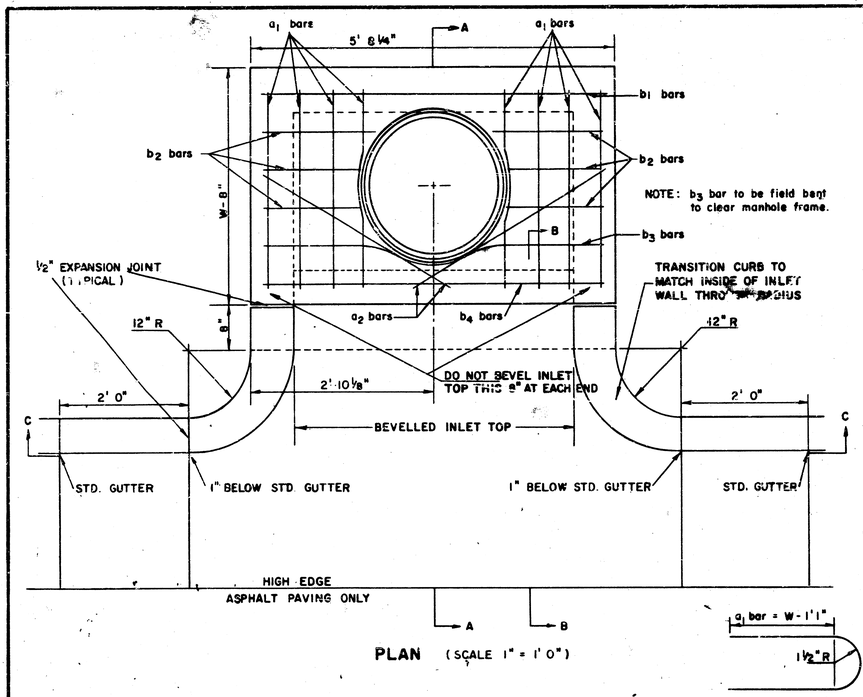
STORM WATER SEWER 156 (PHASE 1)

PROJ. NO. 468-76-245-80725-000-000-001

No. | Revision | By | Date

2/3

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PLAN (SCALE 1" = 1' 0")

BENDING DIAGRAM

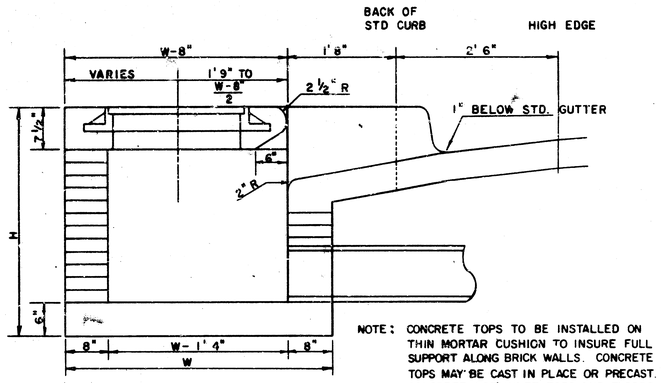
STEEL SCHEDULE

BAR	a_1	a_2*	b_1 W=4'2"	W=5'0"	W=6'0"	W=7'0"	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

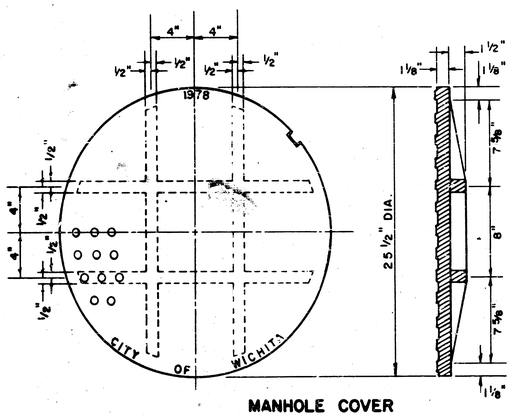
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97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

* GROSS VOLUME

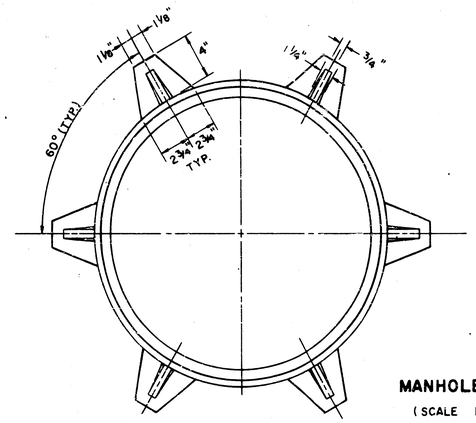


SECTION A-A
(SCALE 1" = 1' 0")

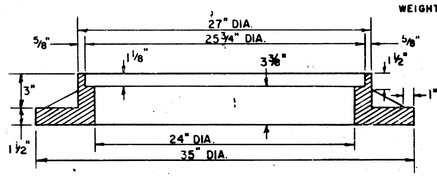
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.

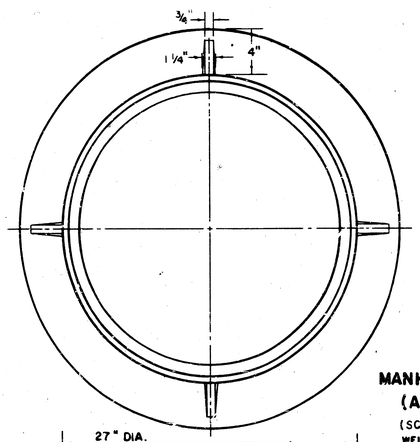


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.

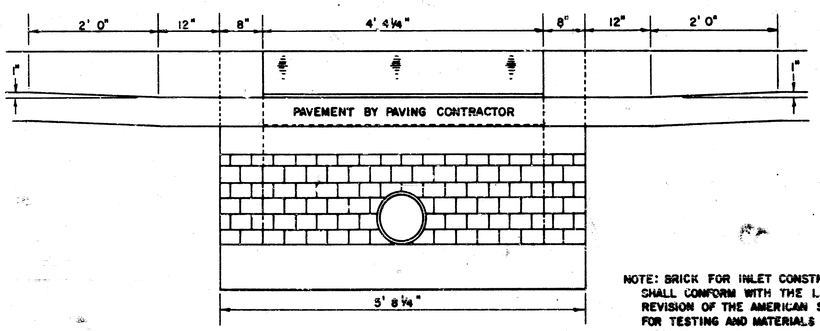


MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



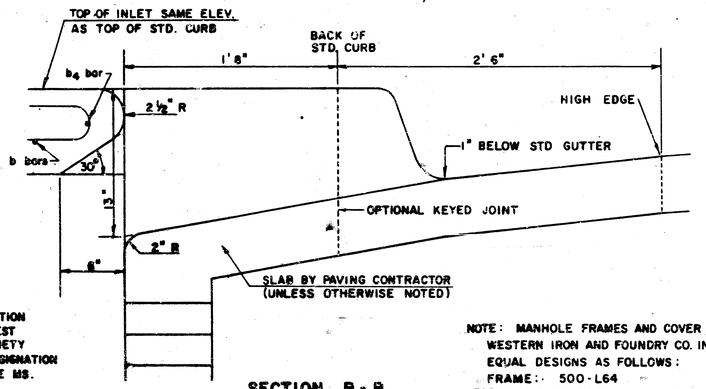


MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.



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: 500-L64
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

STORM WATER SEWER NO. 156 (PHASE I)
PROJ. NO. 468-76-245-80725-000-000-001

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

DEAN S. SELLERS -- CITY ENGINEER

OCTOBER 1978

3/3

Sheet 3 of 3

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