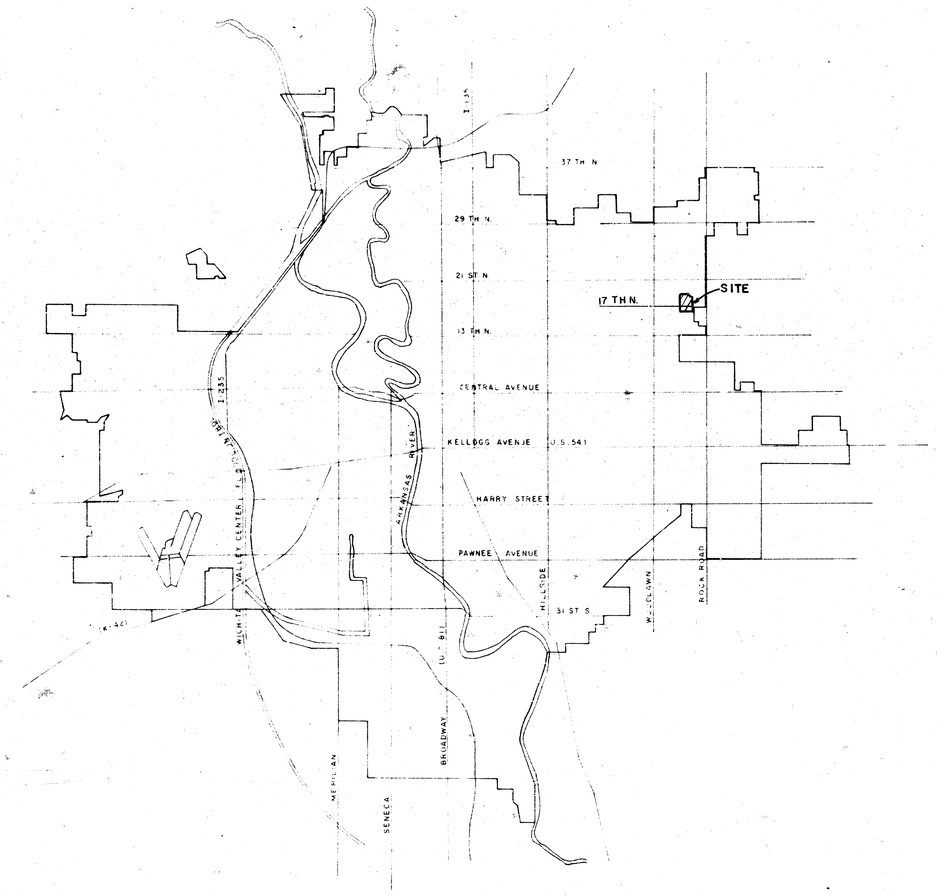
CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

DOREEN AND 18TH STREET NORTH

From North Line of 17th Street North
to West Line of Winstead

PROJECT NO. 472-76-245-80843-000-000-001

ACTING CITY ENGINEER – DEAN SELLERS.



INDEX TO DRAWINGS

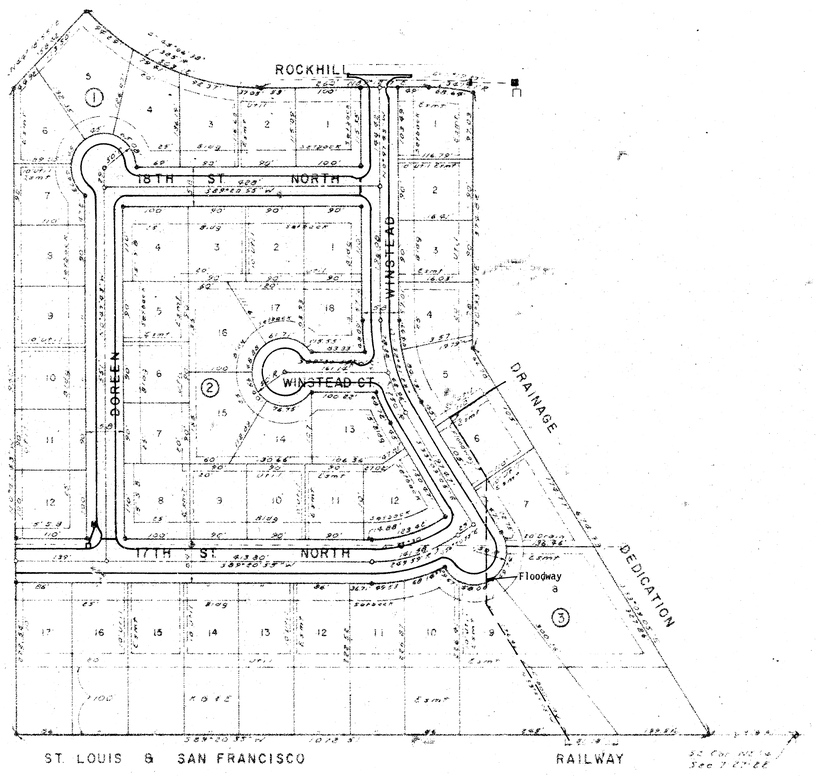
1. Title Sheet
2. Layout Map
3. Doreen
4. 18th Street North
5. Paving Detail 29' AC Offset Crown
6. Type IA Curb Inlet
7. X-Sections Doreen & 18th St. No.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Paving _____ Date 1-10-80
Drainage _____ Date _____

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS

GARY R. MEZGER
LICENSED
11489
KANSAS
PROFESSIONAL ENGINEER

1/6



GENERAL NOTES:

1. All Radius Dimensions are to Face of Curb.
2. Spot Elevations are Top of Curb, Gutter line of Curb, and Crown of Pavement.
3. Spot Elevations on Intersections and Cul-De-Sac's are 1/4 Points, Reverse Curves, and Return Points.
4. All Metal pipe shall be helically corrugated pipes fully coated inside and outside. The coating may be bituminous or polymeric as specified in AASHTO Designation M246-78, Type B. All such coated corrugated pipes shall be smooth flow pipes for sizes 24" diameter or larger. All connection for these fully paved and/or fully coated pipes shall be fairly watertight constructed using hugger type coupler or equal.
5. Contractor shall have the opcion of installing pre-cast Type 1A curb inlet in lieu of the brick type structure. See standard detail "Pre-cast Type 1A Curb Inlet" dated Aug. 1979.
6. All excess excavated material shall be stored on site at the direction of the owner. Under NO circumstances shall excavated material be placed within the "floodway".

N

100 0 100 200
scale feet

PROJECT NO. 472-76-245-80843-000-000-001

GARY R. MEZGER LICENCED 7489 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES
CONSULTING ENGINEERS

CITY OF WICHITA
LISA COLE 1ST. ADDITION
LAYOUT MAP

ENGINEER: G.M.	CHECKED BY: J.W.
DRAWN BY: J.P.	SCALE: 1"=100'
DATE: Oct. 1979	SHEET 2

STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN — SURVEYED; PLOTTED; ALIGNMENT CHECKED; BY M.H. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; GRADES CHECKED; BY M.H. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

+0.35%
+0.7' Wk. @ 29' Lt.

Sta. 30+50.0 - 14.5' Lt.
Constr. Type 1A Curb Inlet
W=4'-2" Top Elev. 207.70
See Sheet 6

20' Rad. Pt. 30' Lt.
Sta. 30+37.00

Sta. 30+47 Lt. & Rt.
BEGIN 8" AC Pavement with
2'-6" Combined Curb & Gutter
Crown Offset 2'-0" Rt.
See Sheet 5

Sta. 35+16.50 Lt. & Rt.
END Typ. 29' Bk.Bk Pavement
See Sheets 5 84

17th STREET

NORTH

DOREEN

18th STREET

Crown 2' Rt.

iron

20' Rad. Pt. 34' Rt.
Sta. 30+37.00

Sta. 30+32 Lt. & Rt.
Complete Offset Crown
Intersection
See Sheet 5

20' Rad. Pt. 34' Rt
Sta. 35+16.50

+0.35%
+0.7' Wk. @ 29' Rt.

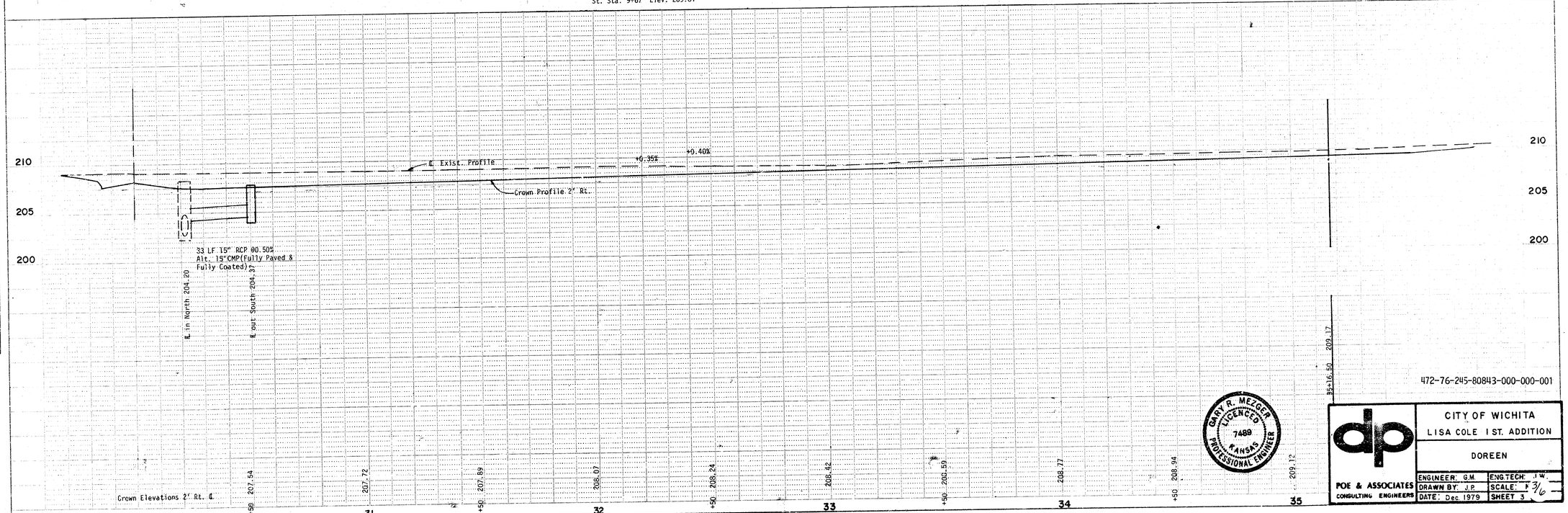
+0.35%
Grad. 0.3'to 0.7' @ 29'Rt

+0.35%
+0.3' Wk. @ 29' Rt.

N

scale 20 0 20 40 feet

B.M. "+" cut on NE Corner Inlet -17th St. Sta. 9+67 Elev. 209.81



472-76-245-80843-000-000-001

GARY R. MEIZGER LICENCED 7489 KANSAS PROFESSIONAL ENGINEER

CITY OF WICHITA
LISA COLE 1 ST. ADDITION
DOREEN

POE & ASSOCIATES
CONSULTING ENGINEERS

ENGINEER: G.M.	ENG.TECH: J.W.
DRAWN BY: J.P.	SCALE: 1" = 30'
DATE: Dec. 1979	SHEET 3 of 6

STATE		FISCAL YEAR	SHEET No	TOTAL SHEETS

PLAN — SURVEYED / PLOTTED / NOTE BOOK NO. / DRAWN CHECKED / QUANTITIES CHECKED / R/W STAKED / STRUCTURE NOTATNS CHK'D / BY / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK NO. / GRADES CHECKED / R/W STAKED / STRUCTURE NOTATNS CHK'D / BY / DATE

35' Rad. Pt. 29' Lt.
Sta. 60+00.00

Sta. 6C+54.77
BEGIN 8" AC Pavement with
2'-6" Combined Curb & Gutter
Crown Offset 2' Rt.
See Sheet 5

20' Rad. Pt. 34'.Lt.
Sta. 60+54.77

39°45'44"

38°11'01"

20' Rad. Pt. 14.47' Rt.
Sta. 59+65.50

Sta. 60+00.00-34' Rt.
BEGIN 8" AC Pavement with
2'-6" Combined Curb and Gutter
~~Crown Offset 2' 0" East~~
See Sheet 3 & 5

20' Rad Pt. 34'Rt.
Sta. 60+34.00

-0.320%
+0.3' Wk. @ 29' Lt.

-0.320%
+0.3' Wk. @ 29' Rt.

20' Rad. Pt. 30' Lt.
Sta. 63+94.00

20' Rad. Pt. 34' Rt.
Sta. 63+94.00

Sta. 63+94 Lt & Rt.
END 8" AC Pavement with
2'-6" Combined Curb and Gutter
Crown Offset 2'-0" Rt.
See Sheet 5

18th STREET NORTH

DOREEN

WINSTEAD

B.M.-City of Wichita Bench Mark Disk
Located 28' East of the ℄ of Rock
Road and 51' North of the ℄ of the
San Francisco Railroad Tracks.
ELEVATION 199.761

N

20 0 20 40
SCALE feet

& Exist. Profile

Crown Profile

-0.320%

Crown Elevations 2'+0" Rt.

BEGIN TYPICAL SECTION

END TYPICAL SECTION

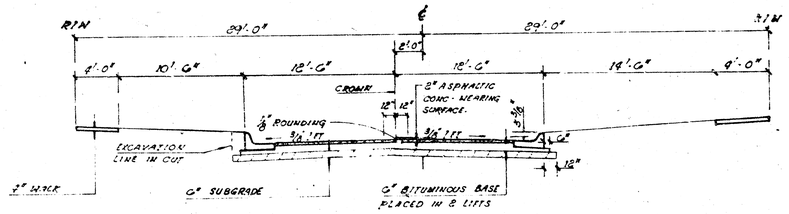
PROJECT NO. 472-76-245-80843-000-000-001

GARY R. MEZGER LICENSED 7489 KANSAS PROFESSIONAL ENGINEER

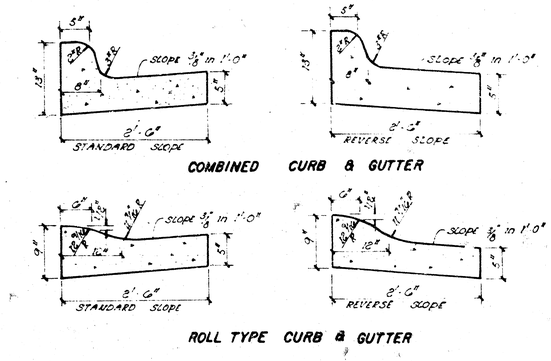
POE & ASSOCIATES
CONSULTING ENGINEERS

CITY OF WICHITA
LISA COLE 1ST. ADDITION
18 TH. STREET NORTH

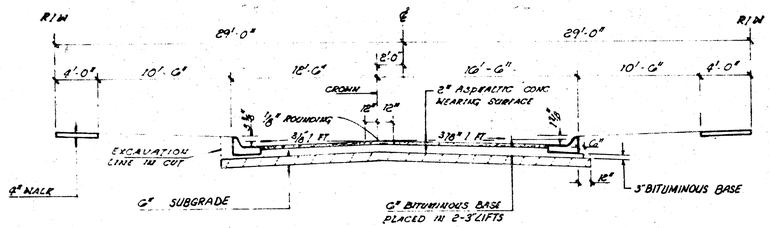
ENGINEER: G.M.	ENG TECH: J.W.
DRAWN BY: J.P.	SCALE: N/A
DATE: Dec. 1979	SHEET 4



TYPICAL 25' B-B SECTION



TYPICAL RESIDENTAL SECTIONS FOR CROWN OFFSET - 58' R/W



TYPICAL 29' B-B SECTION
W/ PARKING ON ONE SIDE

GENERAL NOTES

1. A TACK COAT OF EMULSIFIED ASPHALT (SS - 1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQUARE YARD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

   BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ZEROTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM OF STAGGER OF 1 FOOT WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

2. THE A.C. PAVEMENT BETWEEN COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS 8" A.C. PAVEMENT (6" BITUMINOUS BASE). THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS 7" BITUMINOUS BASE.

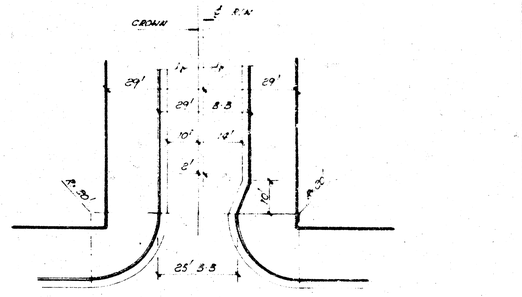
3. SIDEWALKS INDICATED ON THE TYPICAL SECTION ARE FOR LOCATION ONLY THAT SECTION. SIDEWALKS SHALL NOT BE CONSTRUCTED ON THIS PROJECT.

4. CONTRACTION JOINTS MAY BE CONSTRUCTED IN INTEGRAL CURB BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW SHALL EXTEND THROUGH THE CURB TO THE PAVEMENT.

5. INTEGRAL CURB SHALL BE TIED TO THE PAVEMENT BASE WITH SHORT DEFORMED DOWEL BARS SPACED AT 2' - 6" INTERVALS. THESE DOWEL BARS SHALL NOT BE LESS THAN ½" OR MORE THAN 3/4" IN DIAMETER.

6. TRANSITION CURB SHALL BE PAID AS ROLL-TYPE CONB. CURB AND GUTTER.

7. TYPE OF SUBGRADE TREATMENT HALL BE DETERMINED BY THE FIELD ENGINEER. THE TYPE OF SUBGRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.



PLAN VIEW (TYPICAL)

GARY R. MEZGER LICENCED 7489 KANSAS PROFESSIONAL ENGINEER

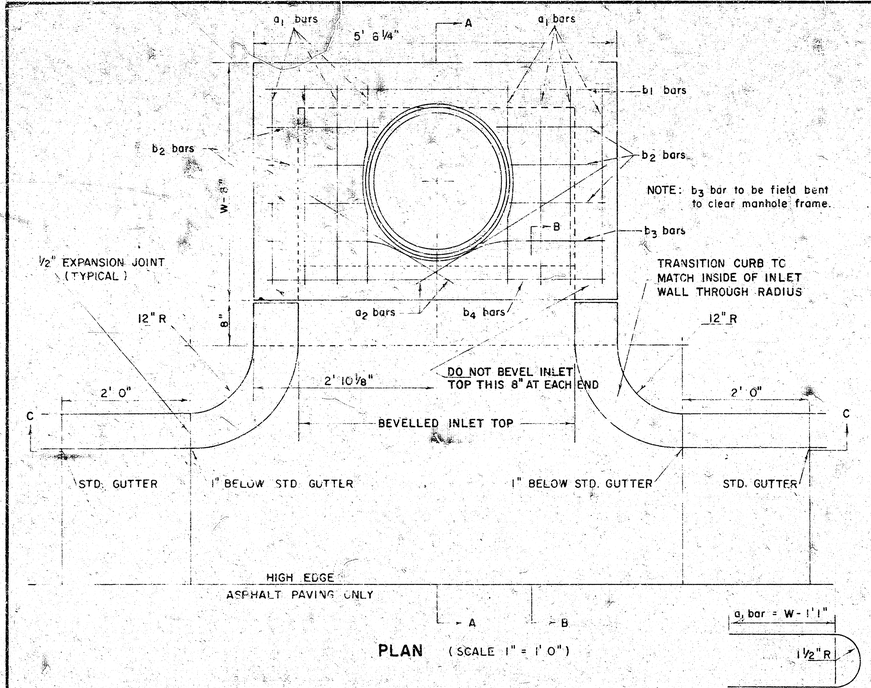
CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

DEAN SELLERS ACTING CITY ENGINEER

DATE: _____ PROJ No.

PROJECT NO. 472-76-245-80843-000-000-001



PLAN (SCALE 1" = 1' 0")

BENDING DIAGRAM

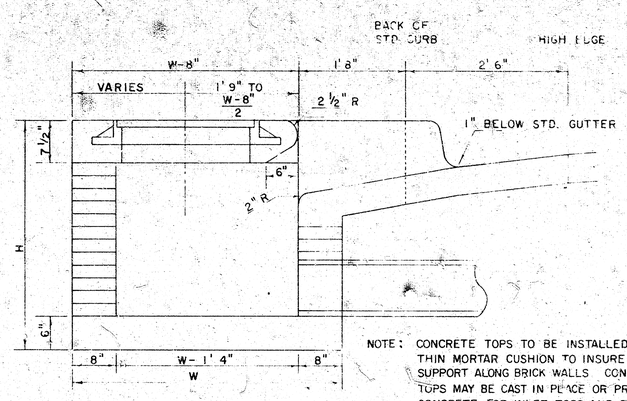
STEEL SCHEDULE

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 #
LENGTH W=5'0"	8' 1"	4' 4"	–	5' 5"	–	–	–	1' 5"	5' 6"	5' 5"	77 #
LENGTH W=6'0"	10' 1"	5' 4"	–	–	5' 5"	–	–	1' 5"	5' 6"	5' 5"	97 #
LENGTH W=7'0"	11' 1"	6' 4"	–	–	–	5' 5"	–	1' 5"	5' 6"	5' 5"	111 #
LENGTH 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

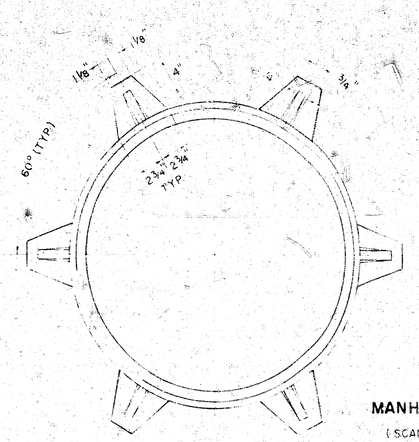
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97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

* GROSS VOLUME

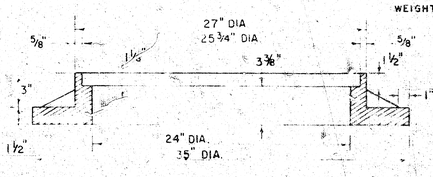


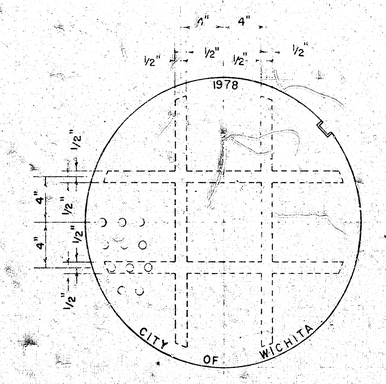
SECTION A-A
(SCALE 1" = 1' 0")

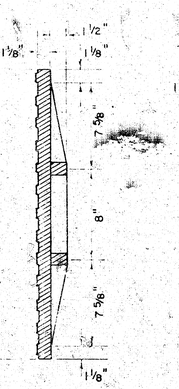
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.



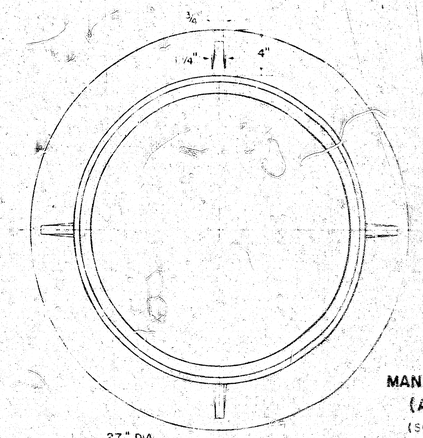
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



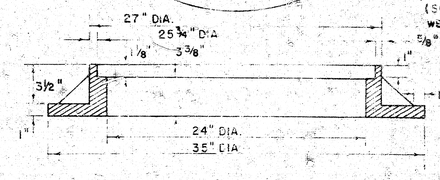


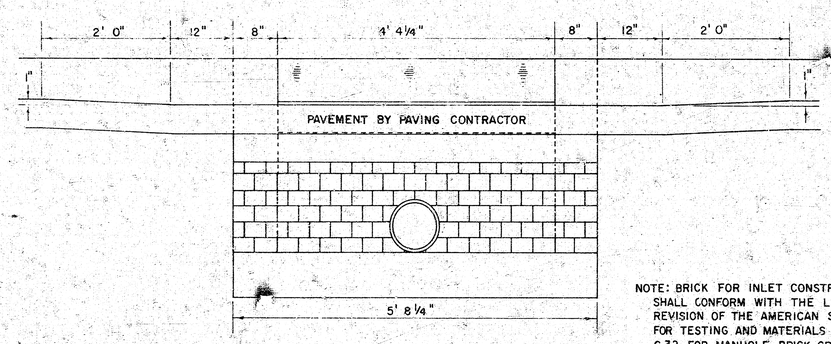


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



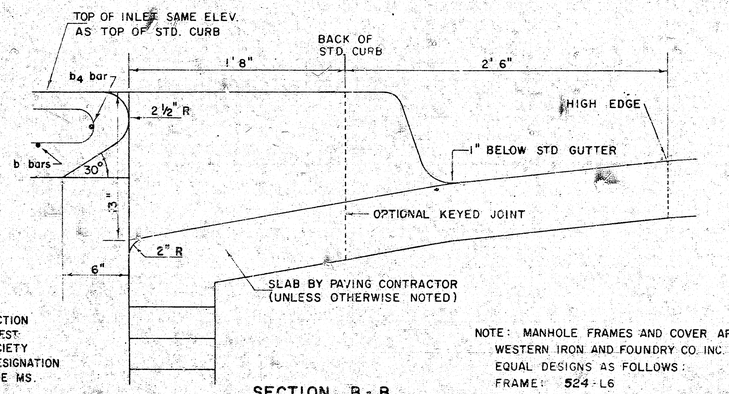
MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.





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"

PROJECT NO. 472-76-245-80843-000-000-001

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

DEAN SELLERS – ACTING CITY ENGINEER

OCTOBER 1978

6 of 7

4/6

B
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