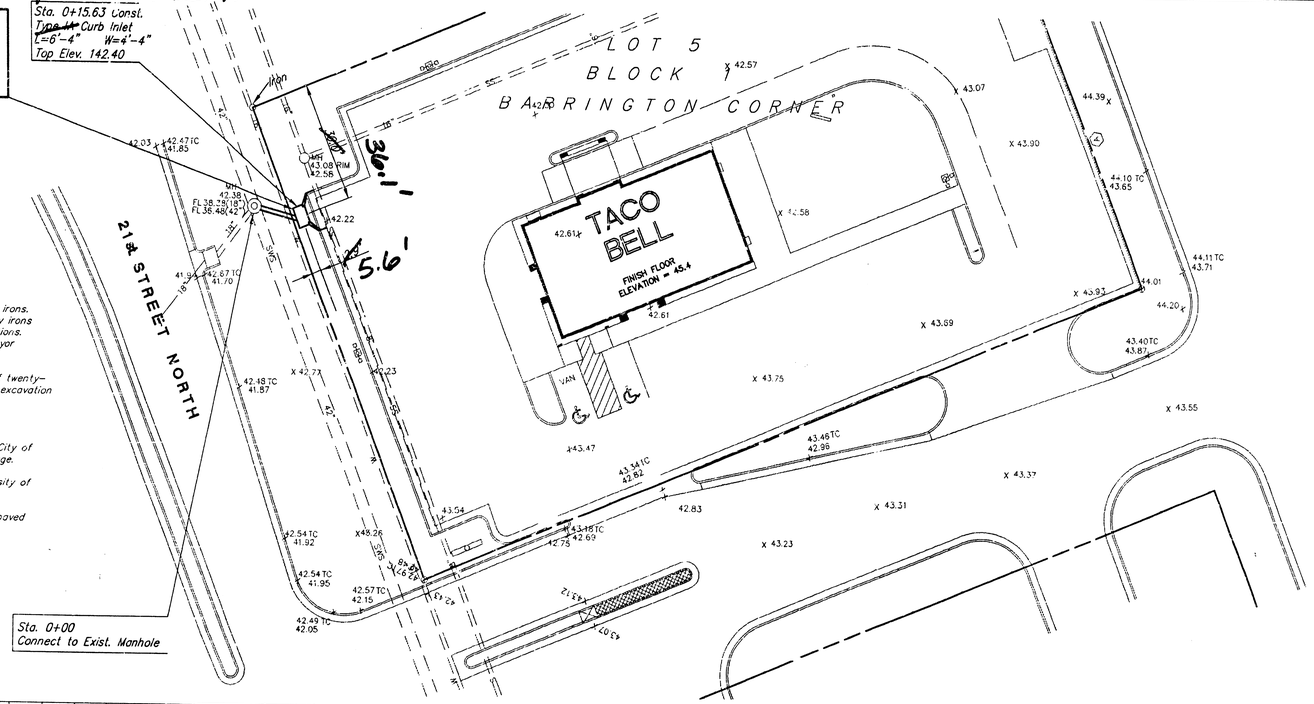
Type I Inlet Built.

DA = 0.53 Ac.
i_5 = 4.56"/hr.
C_5 = 0.85
Q_5 = 2.0 cfs

Sta. 0+15.63 Const.
Type ~~IA~~ Curb Inlet
L=6'-4" W=4'-4"
Top Elev. 142.40



Sta. 0+00
Connect to Exist. Manhole

GENERAL NOTES

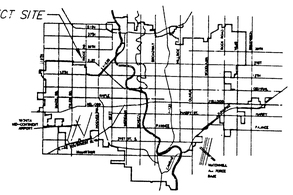
1. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
2. Contractor will be required to provide a minimum notice of twenty-four (24) hours to utility companies prior to starting any excavation as follows:

   Kansas One Call 687-2470
3. All work on this project shall be done in accordance with City of Wichita Standard Specifications for storm sewers and drainage.
4. Trench backfill shall be compacted to Standard Proctor Density of 90% min.
5. All disturbed areas within street right of way which are unpaved are to be seeded and fertilized.

SRB

Scale: PLAN
1" = 20'
PROFILE
1" = 20' Horiz.
1" = 5' Vert.

PROJECT SITE



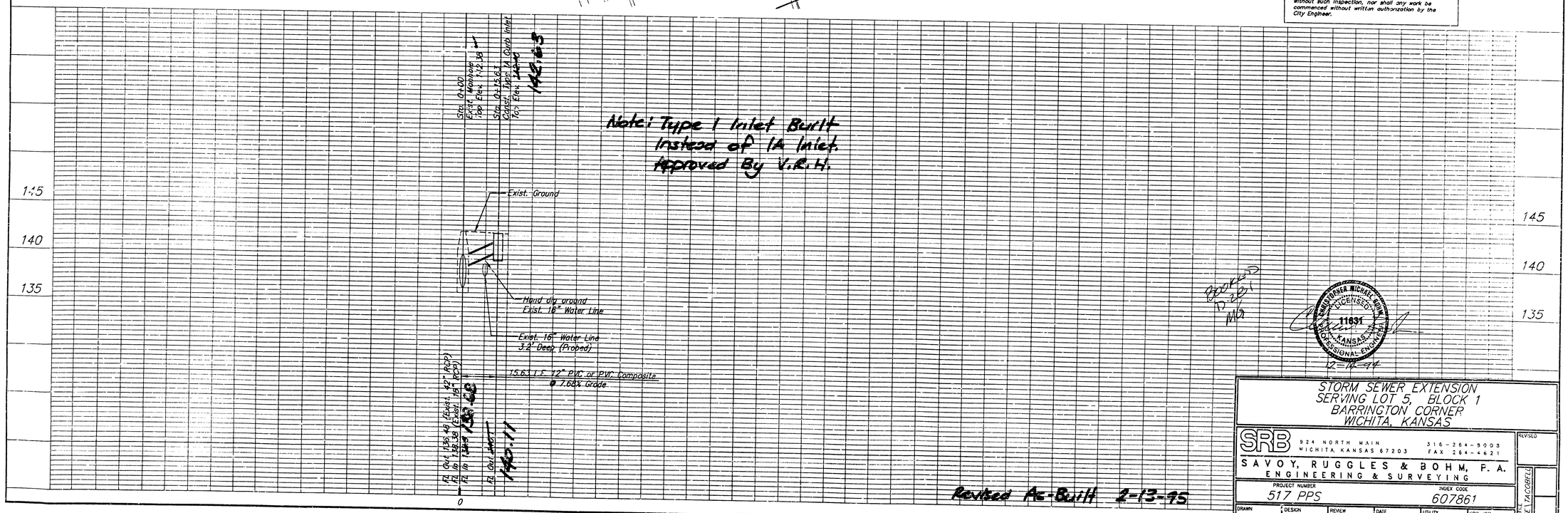
VICINITY MAP

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers 12/14/94 VRH
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.



Revised As-Built 2-13-95

CHRISTOPHER MICHAEL BOHM LICENSED 11631 KANSAS PROFESSIONAL ENGINEER
12-14-94

STORM SEWER EXTENSION
SERVING LOT 5, BLOCK 1
BARRINGTON CORNER
WICHITA, KANSAS

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-5003 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

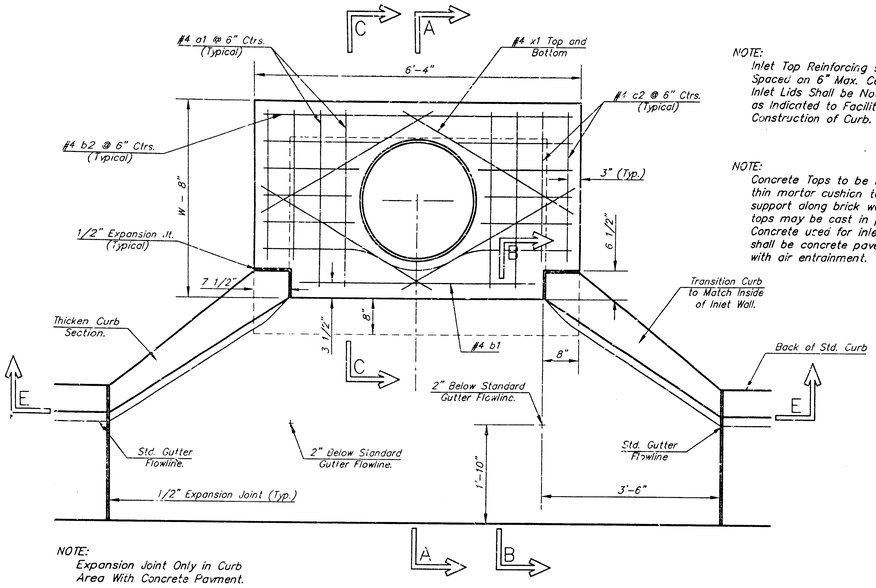
REVISED

PROJECT NUMBER	INDEX CODE
517 PPS	607861

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
TEB	CMB		12-14-94		233E

DWG FILE 233E\TACOBELL

D:\MACAD\CIVIL\PAYNE\TACOBELL DWG 12-28-94 15:04 Plotted By TOM BYORK

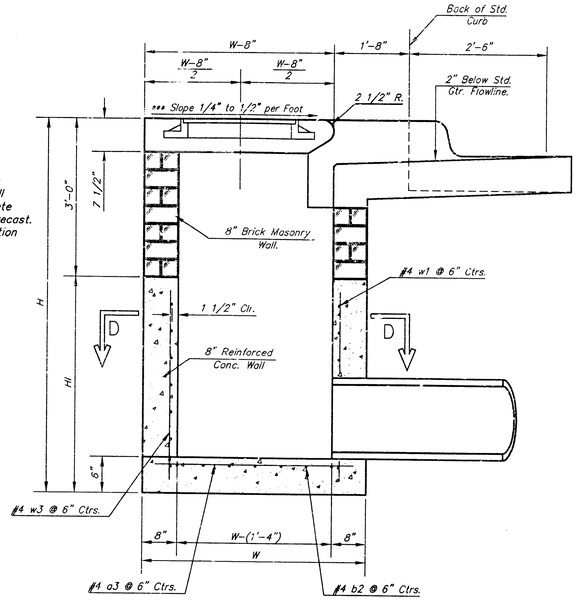


NOTE:
Expansion Joint Only in Curb Area With Concrete Pavment.

NOTE:
Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

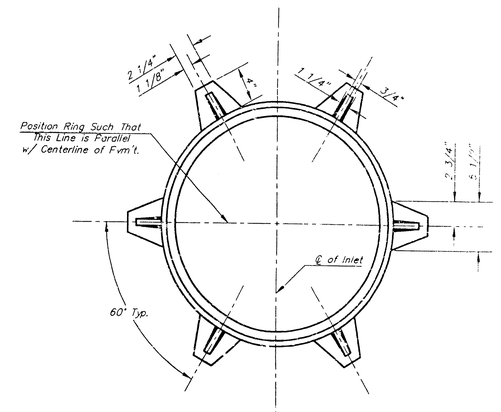
NOTE:
Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.

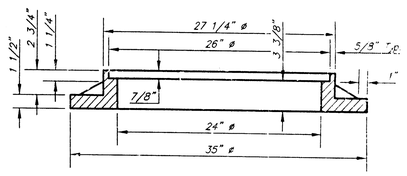
PLAN



SECTION A–A

***NOTE: Slope of inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.

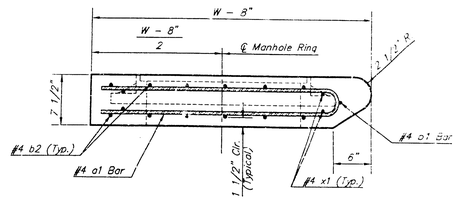




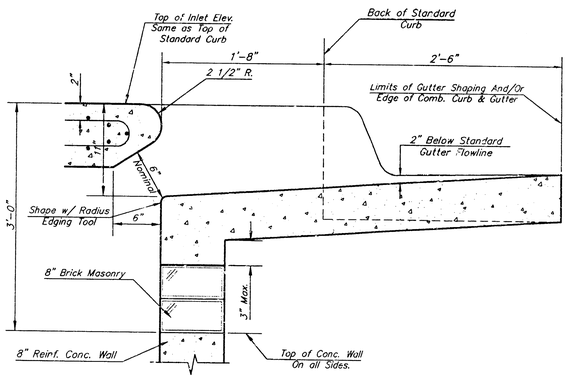
MANHOLE RING AND COVER

Weight = 180 Lbs.

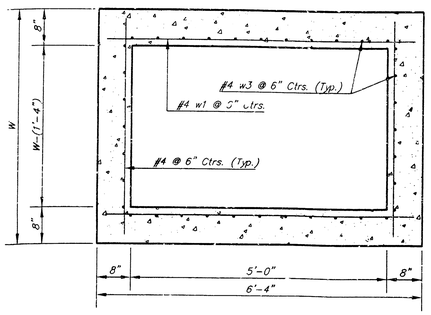
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



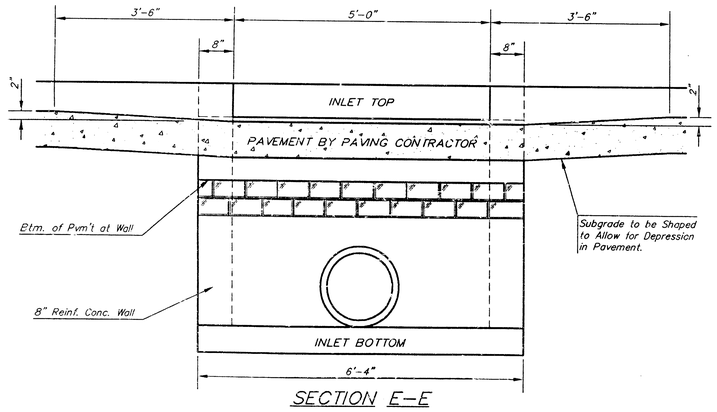
SECTION A–A



SECTION B–B



SECTION D–D



SECTION E–E

NOTE: Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.

Additional curb and gutter construction necessary to connect set-back inlet to pavement will be paid for at the unit price bid for each inlet hookup.

Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self-cleaning between all inlet and/or outlet pipes.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall

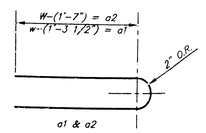
PRECAST SLAB AND FLOOR REINFORCING

		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
* a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	*-9"	1	4'-9"
* b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	5'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

WALL REINFORCING

		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	6'-1"	①	6'-1"	①	6'-1	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

* Field Bend or Cut Reinforcing as Required for Clearance.
① 4 (ft - 12") (ft - 21") Rounded down to nearest 0.5'
② Ht - 3"



BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"	0.90±

Revised – Feb. 16, 1989

TYPE 1A INLET (LENGTH = 5.0')
CITY OF WICHITA, KANSAS

Inlet File 233E \ A-5

C:\MICROCAVIL\PROJECTS\4-5 Wed Dec 14 08:34:21 1994 Plotted by Ron Brooks

12-2-1-2