PRIVATE
CONSTRUCTION PLANS FOR
STORM WATER SEWER IMPROVEMENTS
TO SERVE
VOLVO DEALERSHIP
GORGES & COMPANY
MEDITERRANEAN PLAZA, LOT 7, BLOCK 4
PROJECT NO. 679 PPS (607861)

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY THE CONSTRUCTION OPERATION. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

2. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON U.S.G.S. DATUM.

3. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLES AND LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION, UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES, AND IS EITHER FROM CITY PLANS, COMPANY RECORDS, DRAWINGS, OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION. IF ADDITIONAL UTILITY LINES ARE ENCOUNTERED DURING CONSTRUCTION, THEIR OWNERS SHOULD BE IMMEDIATELY ADVISED, SO THAT NECESSARY ADJUSTMENTS OR RELOCATIONS CAN BE MADE. THE CONTRACTOR SHALL LOCATE ALL UTILITY LINES PRIOR TO EXCAVATION.

4. THE CONTRACTOR SHALL PROVIDE A MINIMUM ADVANCED NOTICE OF FORTY-EIGHT (48 HOURS) TO ALL THE FOLLOWING COMPANIES PRIOR TO EXCAVATION:

KANSAS ONE CALL	1-800-344-7233 OR 687-2470 (WICHITA)
KG&E (ELECTRIC)	264-1411
KG&E (GAS DISTRIBUTION)	832-9012
MULTIMEDIA CABLEVISION	262-0661
SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2115 (REPAIR)
CITY OF WICHITA WATER AND SEWER	268-4908
CITY OF WICHITA STORM WATER UTILITY	268-4498

5. ALL ADJACENT BUILDINGS, STRUCTURES, PARKING LOTS, DRIVES, STREET PAVEMENTS, AND APPURTENANCES OTHER THAN SHOWN ON THESE PLANS FOR REPLACEMENT SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ITEMS DAMAGED BEYOND CONSTRUCTION LIMITS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

6. TREES AND SHRUBS IN THE CONSTRUCTION AREA WHICH ARE IN DIRECT CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR. TREES AND SHRUBS DESIGNATED BY THE CITY TO REMAIN SHALL BE SAVED AND PROTECTED FROM DAMAGE.

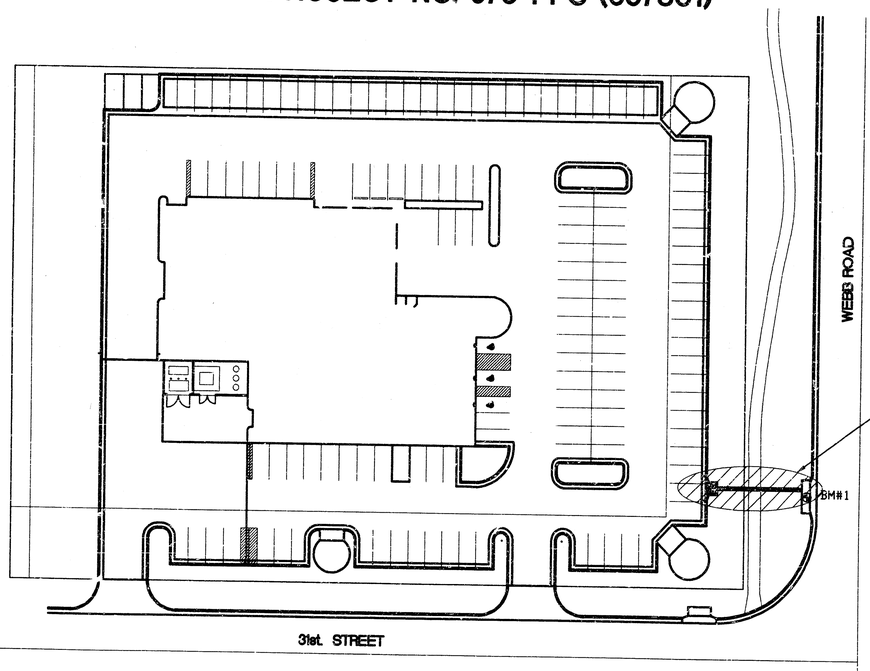
7. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS DEPARTMENT OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN THE WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. ARMY, CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

8. ALL DISTURBED AREA SHALL BE SEEDED/MULCHED PER AR 78.

BENCHMARKS

BM #1 "□" CUT ON CURB INLET AT NORTHWEST CURB RETURN OF WEBB RD. AND 31ST STREET NORTH. ELEV. = 1419.20

BM #2 SPIKE IN PP ON SOUTHWEST CORNER OF WEBB RD. AND 31ST STREET NORTH. ELEV. = 1420.84



APPROVED AS NOTED

BY CITY ENGINEER OF WICHITA

SANITARY SEWERS_____

STORM SEWERS_____

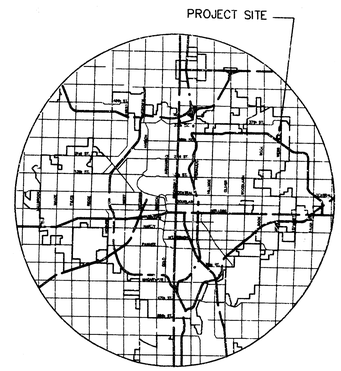
DRIVEWAY APPROACHES_____

WATER MAINS_____

PAVING_____

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS 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 THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.



INDEX TO DRAWINGS

BOOKED 2-17-97 MCG D-351

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1 PLAN & PROFILE
3	STD. TYPE 1-A CURB INLET DETAILS

14971 CERTIFICATE OF AUTHORIZATION 3-4-97

AS BUILT 3-3-97

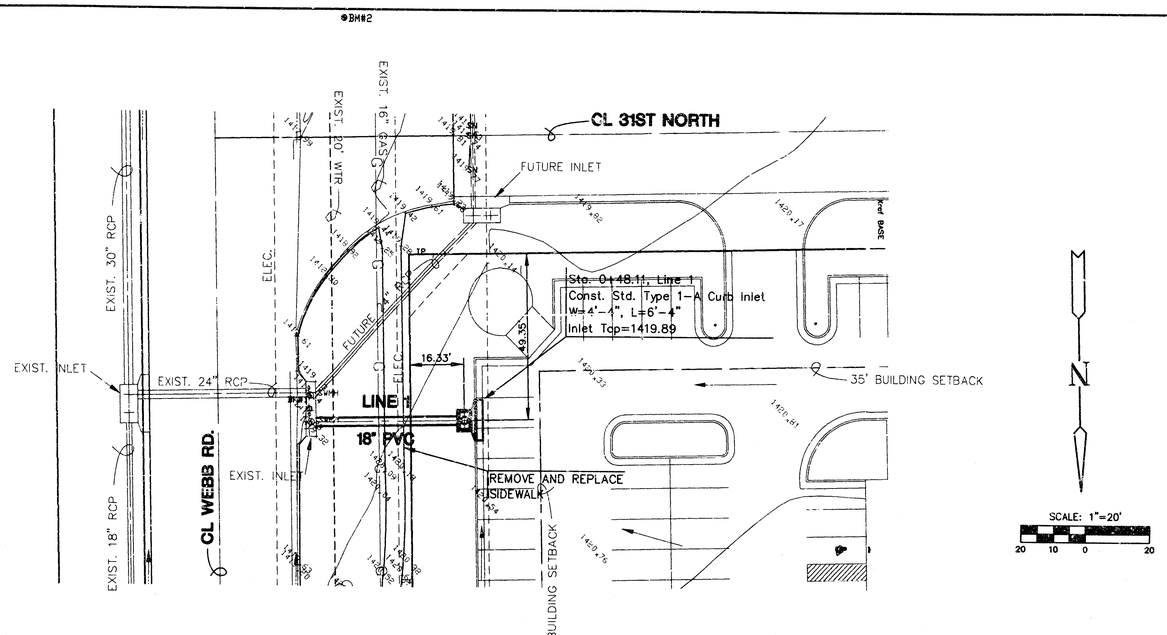
MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

VOLVO DEALERSHIP
PROJECT NAME

STORM WATER SEWER PLANS
SHEET TITLE

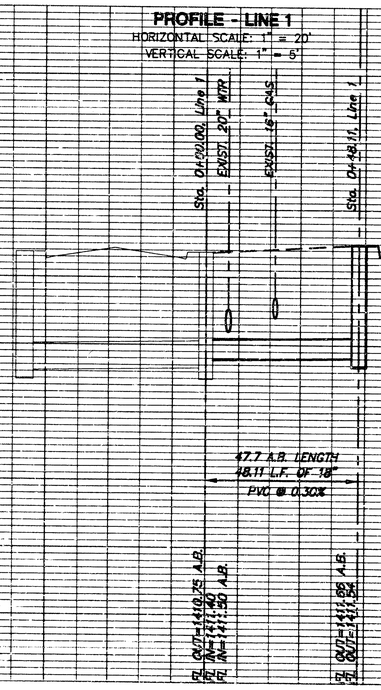
PAF	PAF	GJM
DESIGN BY:	DRAWN BY:	CHECKED BY:
JANUARY, 1997	96153	1 / 3
DATE	JOB NO.	SHEET/OF

VOLVO DEALERSHIP
GORGES & COMPANY
STORM SEWER
LINE 1

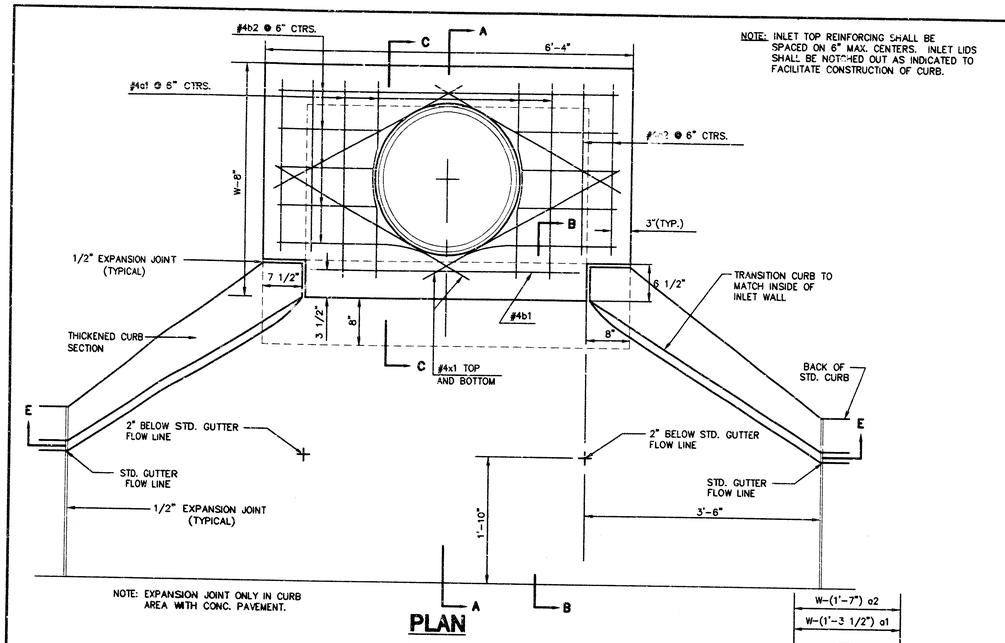


PLAN - LINE 1
SCALE: 1" = 20'

PROFILE - LINE 1
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



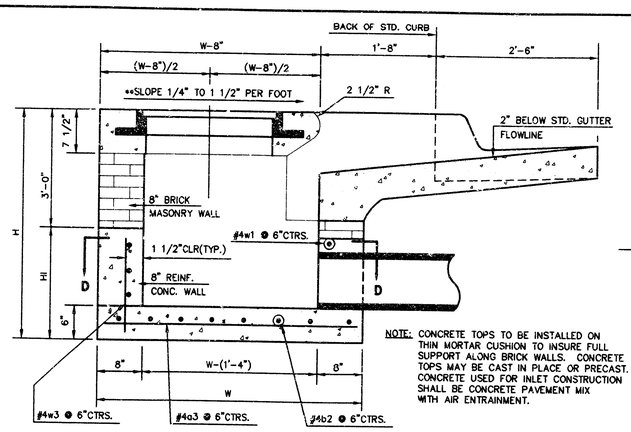
AS BUILT 3-3-97



NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

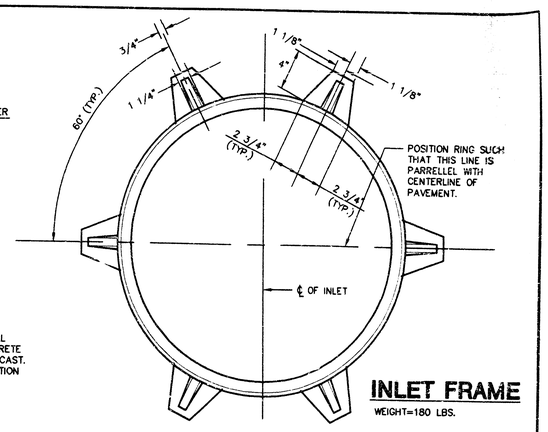
PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.



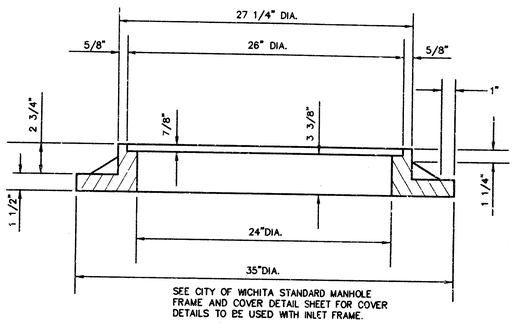
SECTION A-A

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.



INLET FRAME

WEIGHT=180 LBS.



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

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	4'-9"	1	4'-9"
*b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-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(Hi-12"); (Hi-12") ROUND DOWN TO NEAREST 0.5'
② Hi-3"

BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8"x6'-4"x7 1/2"	21" & SMALLER	0.33±
5'-4"	4'-8"x6'-4"x7 1/2"	24" & 30"	.51±
6'-4"	5'-8"x6'-4"x7 1/2"	36" & 42"	.64±
7'-4"	6'-8"x6'-4"x7 1/2"	48" & 54"	.77±
8'-4"	7'-8"x6'-4"x7 1/2"	60" & 66"	.90±

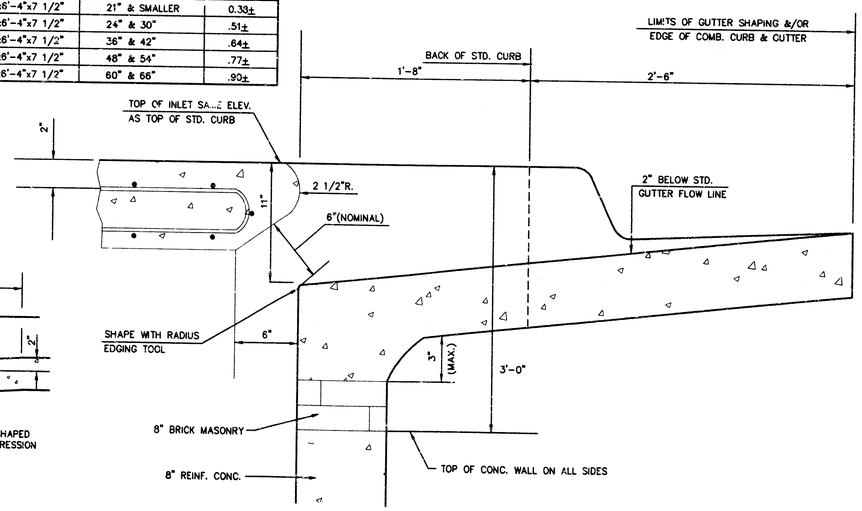
**NOTE: SLOPE OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.

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.

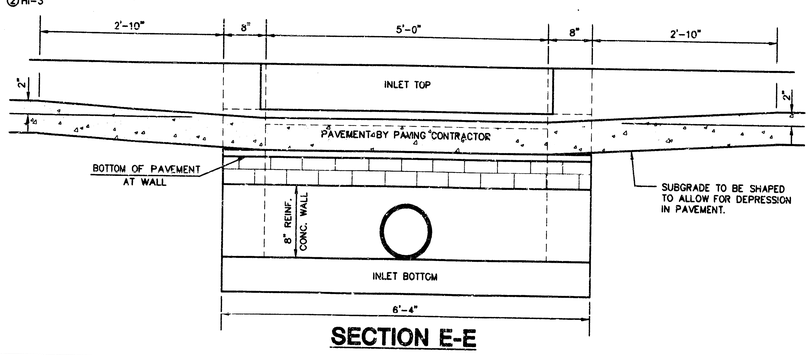
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

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.

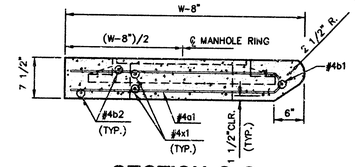
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



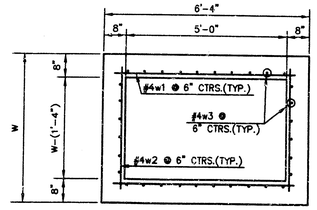
SECTION B-B



SECTION E-E



SECTION C-C



SECTION D-D

AS BUILT 3-3-97

3/3

STANDARD TYPE 1A CURB INLET

INLET OPENING=6"x5'-0"

JUNE 1984

CITY OF WICHITA, KANSAS

Design C.O.W.	Checked by	Checked by	
Drawn by	Date	Date DEC. 1996	Job No. 95153