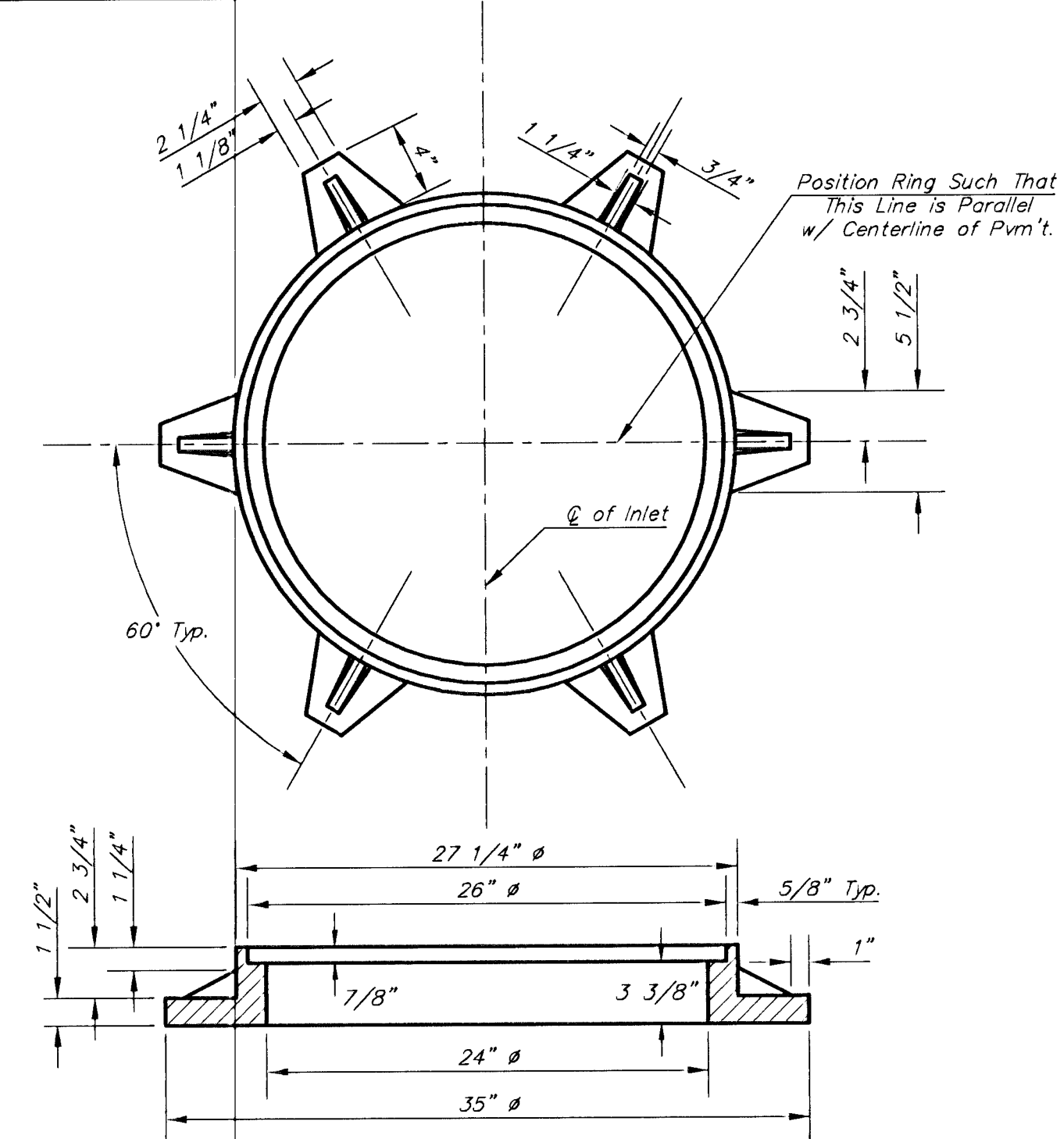




**See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.*

* Field Bend or Cut Reinforcing as Required for Clearance.

Diagram of a semi-elliptical crack in a plate. The crack is on the top surface, with depth a and half-length $2c$. The plate has thickness t and width W . The crack is subjected to a stress σ and a bending moment M . The crack is labeled '1'.

BENDING DIAGRAM

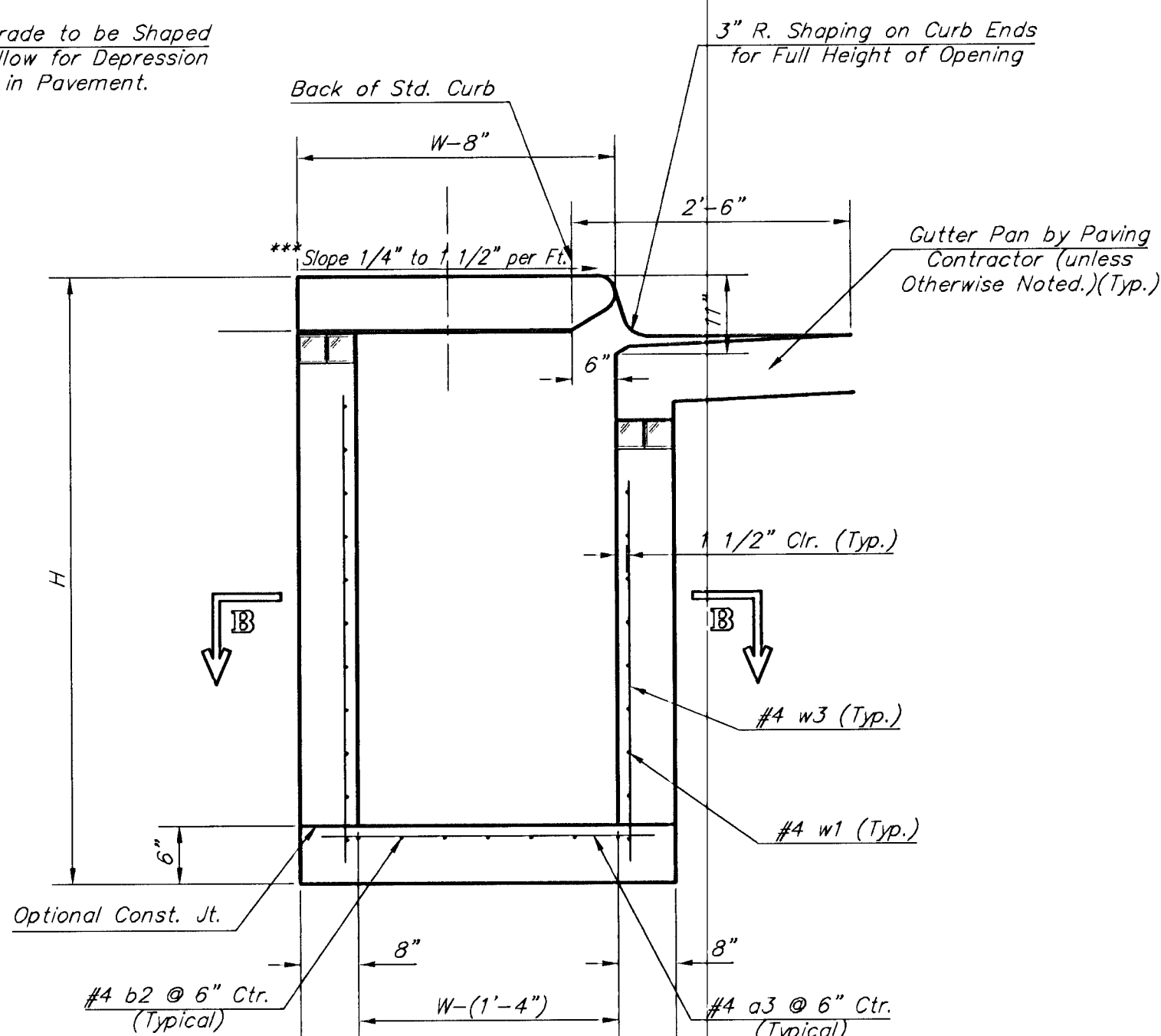
GENERAL NOTES:

Concrete shall be C.O.W. standard paving mix. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be field bent or cut to clear pipes and inlet rings. All bars are #4 bars @ 6" spacing and shall have a minimum clearance of 1 1/2" unless otherwise noted. Floors of inlet shall be shaped with a sack concrete mix compacted to increase the strength and efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipe(s). The contractor will be required to construct 8" brick masonry walls between the inlet bars and top on this grate. When H=7'-0" or less and W=6'-4" or less, When W is greater than 6'-4" and H is less than 7'-0" the outside inlet walls below the brick stack shall be reinforced concrete construction.

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.

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

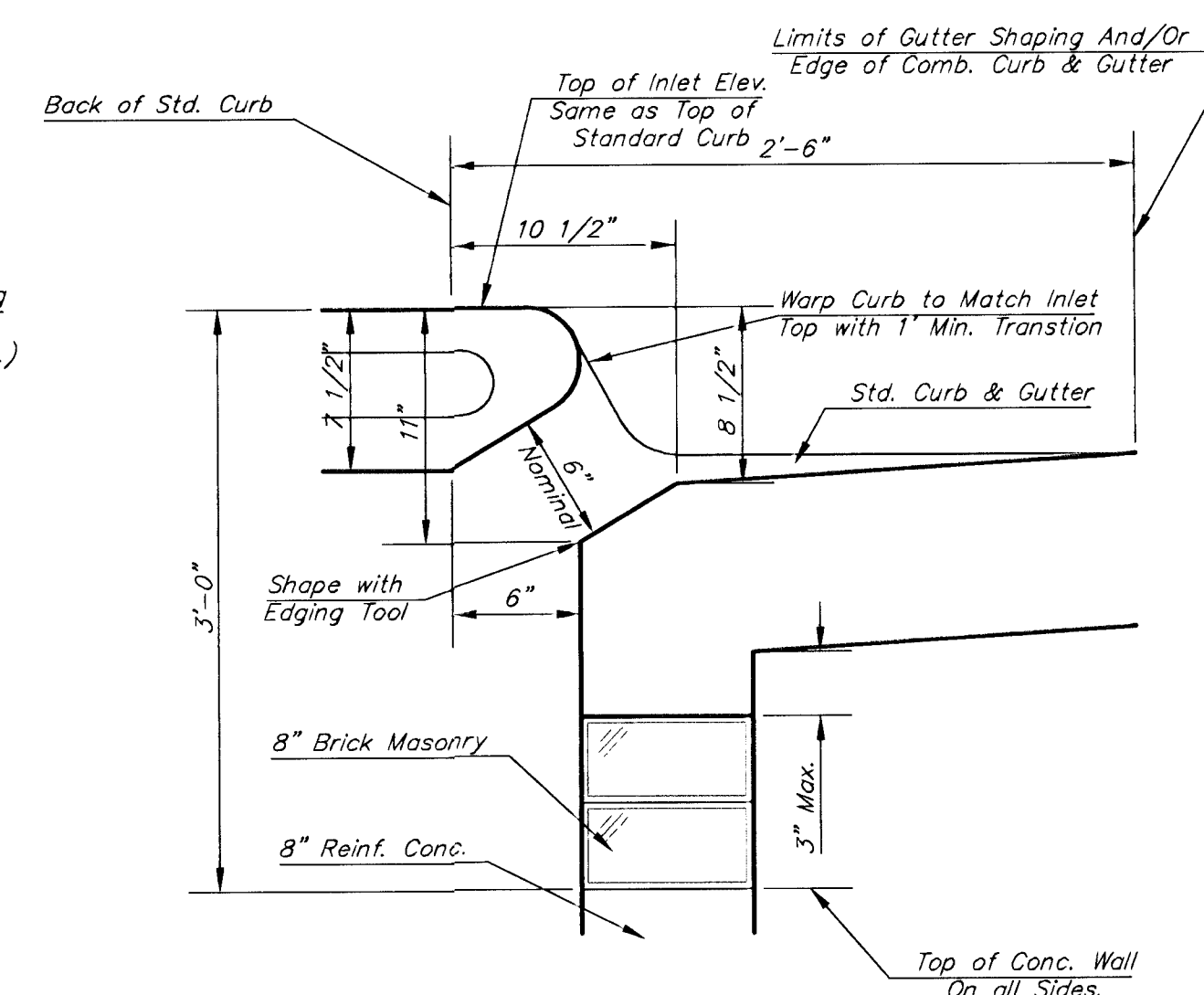
This detail is identical to the standard detail drawing except that the gutter transition length is increased from 2'-0" to 3'-6".



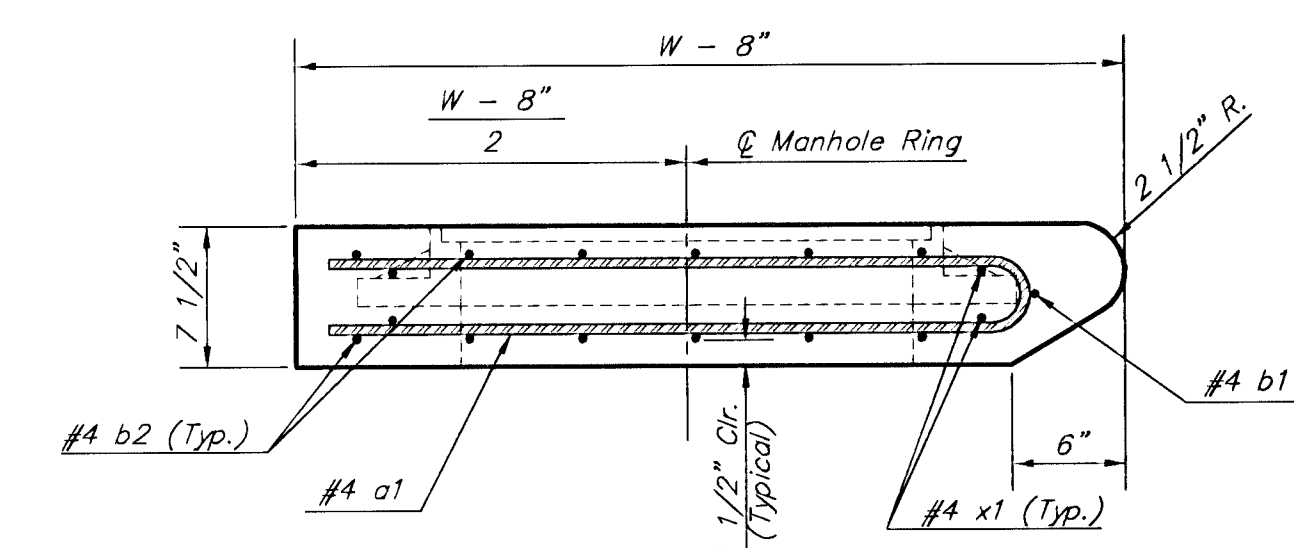
SECTION D-D

NOTES:

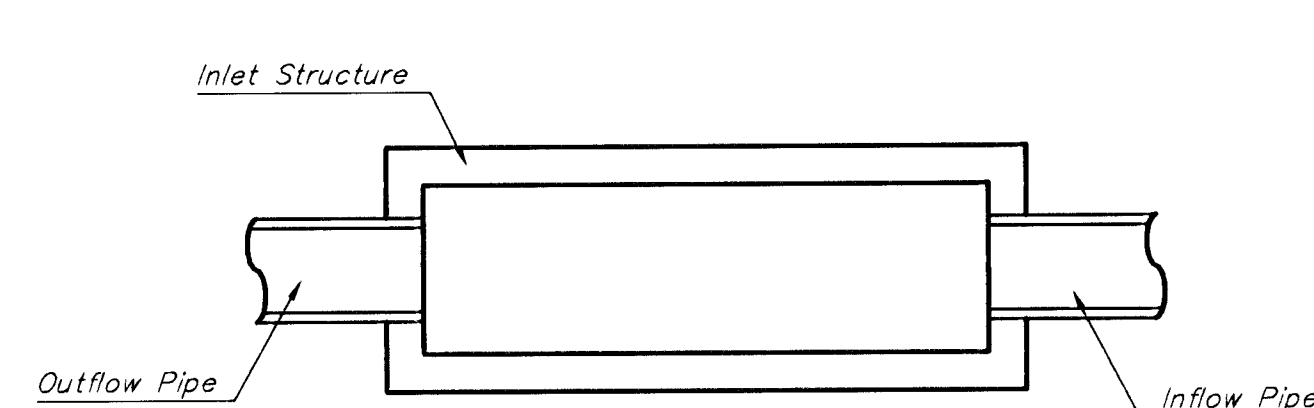
** Slope of inlet tops to match sidewalk of parking slopes within limits indicated



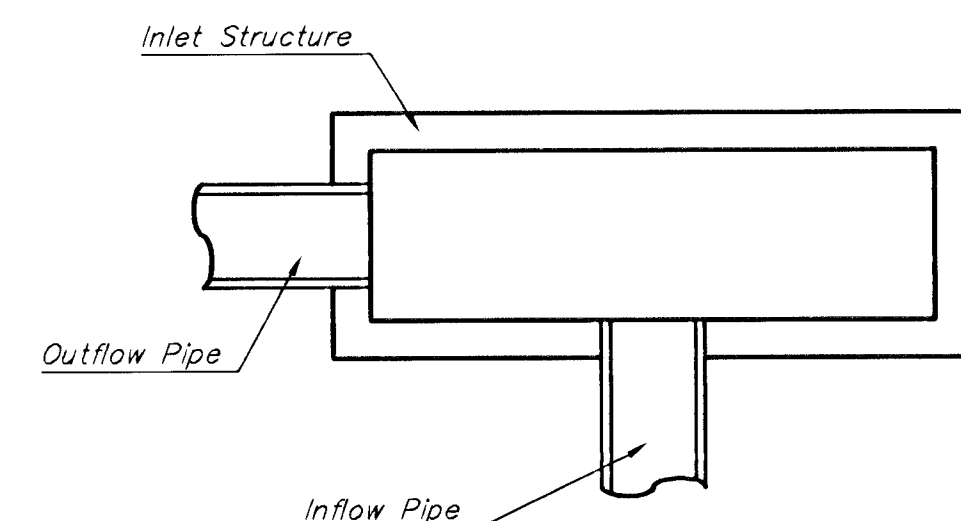
SECTION C-C



SECTION A-A



CASE 1



CASE II

PROJECT NUMBER 472-76-245-83324		SHEET NAME Type 1-d	ENGINEERING DIRECTORY F:\Eng\Hydraulic\Details	
DESIGN STAFF	DRAWN STAFF	APPROVED	DATE Sept. 02	SCALE None
				BAUGHMAN NO 99-09-E450

CITY OF WICHITA, KANSAS
STANDARD TYPE 1 DOUBLE
CURB INLET DETAILS
INLET OPENING = 6' x 10'-0"

Revised - July 23, 1998
Revised - Feb. 16, 1989

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 * 315 ELLIS * WICHITA KANSAS 67211