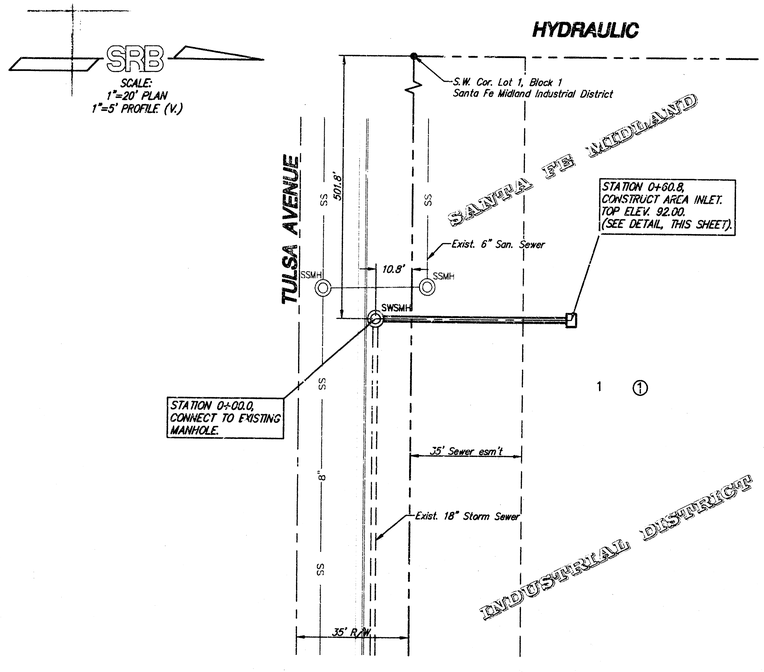
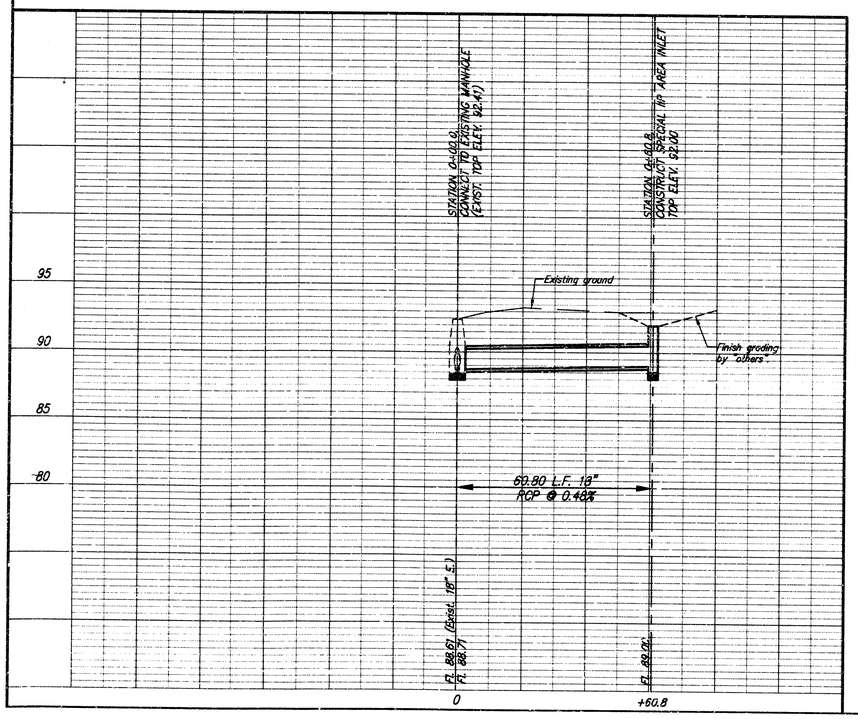
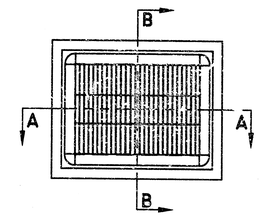
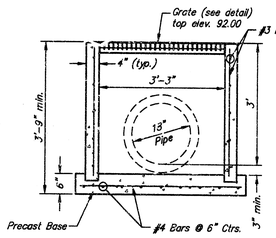


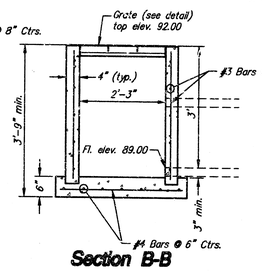




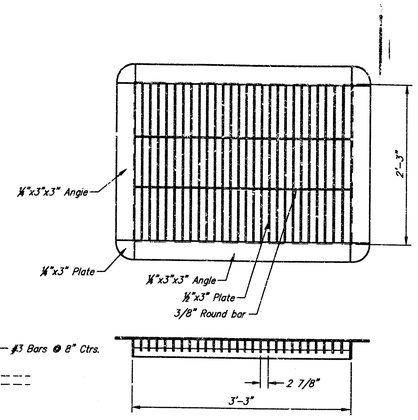
Plan



Section A-A



Section B-B



Welded Steel Grate Detail
Vanguard 250# or equal.

PRECAST INLET DETAILS

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 10/22/96

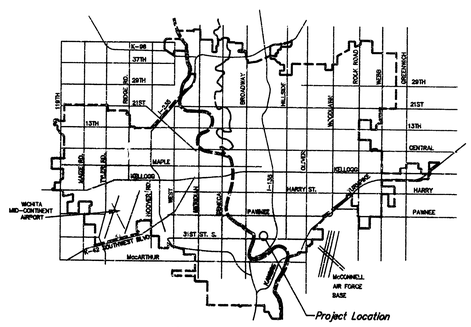
Driveway Approaches _____

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.



VICINITY MAP

GENERAL NOTES:

1. All work on this project shall conform to the Standard Specifications for Storm Sewer Construction of the City of Wichita.
2. Locating dimensions are to center of new inlet.
3. All areas within public right-of-way which may be disturbed by Contractor's operations shall be restored in accordance with City of Wichita Administrative Regulation AR-78.
4. The Contractor shall notify Kansas One-Call (687-2470) a minimum of 24 hours prior to any excavation.
5. Traffic on Tulsa to be maintained in both directions at all times.
6. Any roof drain connection to this storm sewer will require a permit from the City of Wichita.

RUNOFF CALCULATIONS:

By Rational Formula:			Q=CiA
Impervious Area			51100 S.F.
Pervious Area			79540 S.F.
D.A. (to storm sewer)			3.00 Acres
$C_{IMPERVIOUS}$			0.95
$C_{PERVIOUS}$			0.65
$C_{WEIGHTED}$			0.77
Assumed time of concentration			10 min.
I_5	5.34 in./hr.	I_{100}	8.54 in./hr.
Q_5	12.3 cfs	Q_{100}	19.7 cfs
Inlet open area			4.51 S.F.
Capacity at 1.0" depth			21.7 cfs



BOOKED
5-6-97
MCG
C-64

As-BUILT 1-11-97 JCR

LOT 1, BLK. 1, SANTA FE MIDLAND INDUSTRIAL DISTRICT
PRIVATE STORM SEWER
WICHITA, KANSAS

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
656 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
T.C.R.	J. Lang	JCR	JCR	Oct. 22, 1996	

Sht. No. Storm Sewer Plan (Detail)

SHEET 1 OF 1

BOOK 208 5740

G:\ACTIVE PROJECTS\JASON LANG\574D (SMS CASTLE METALS) \STORM SEWER PLAN