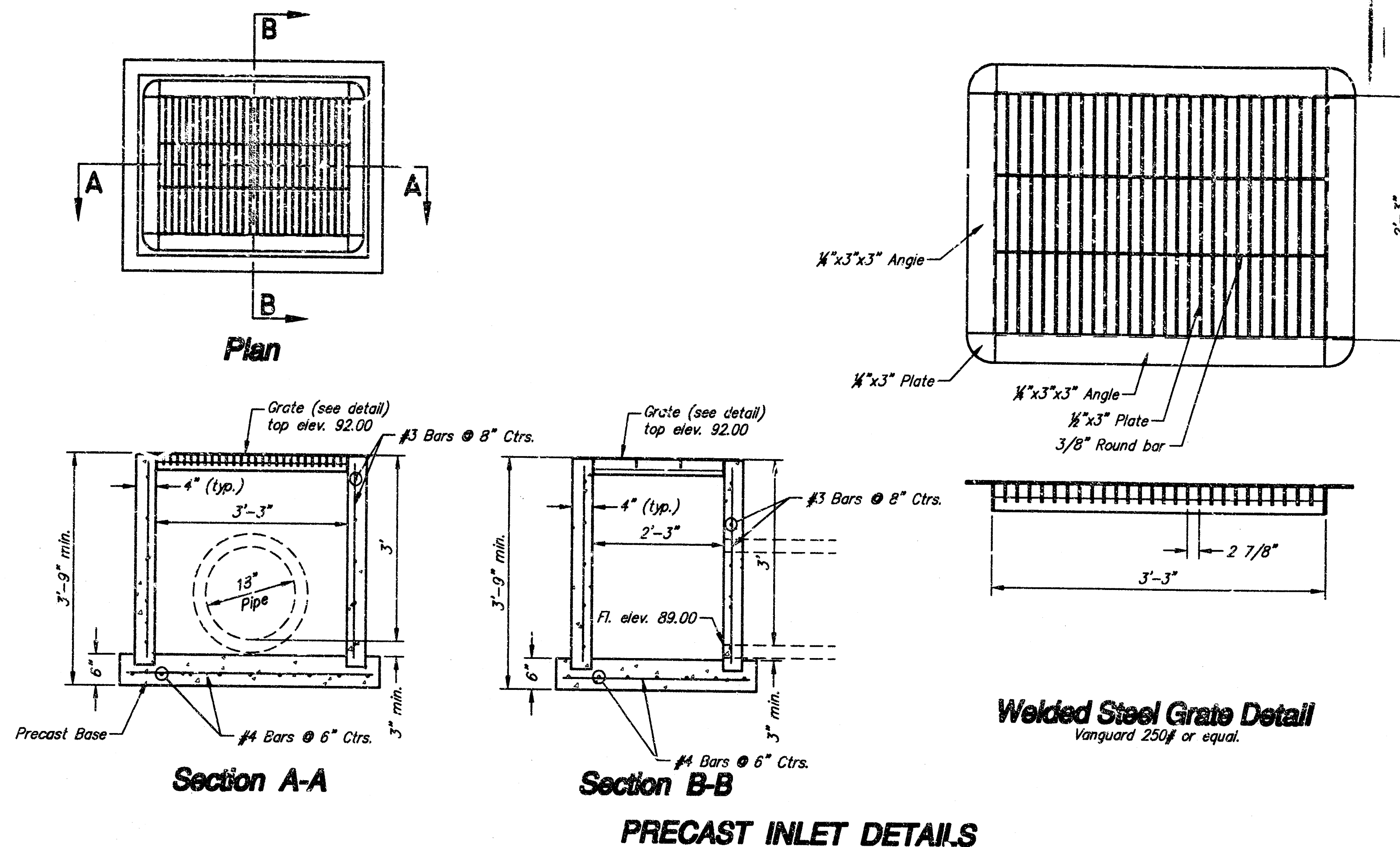
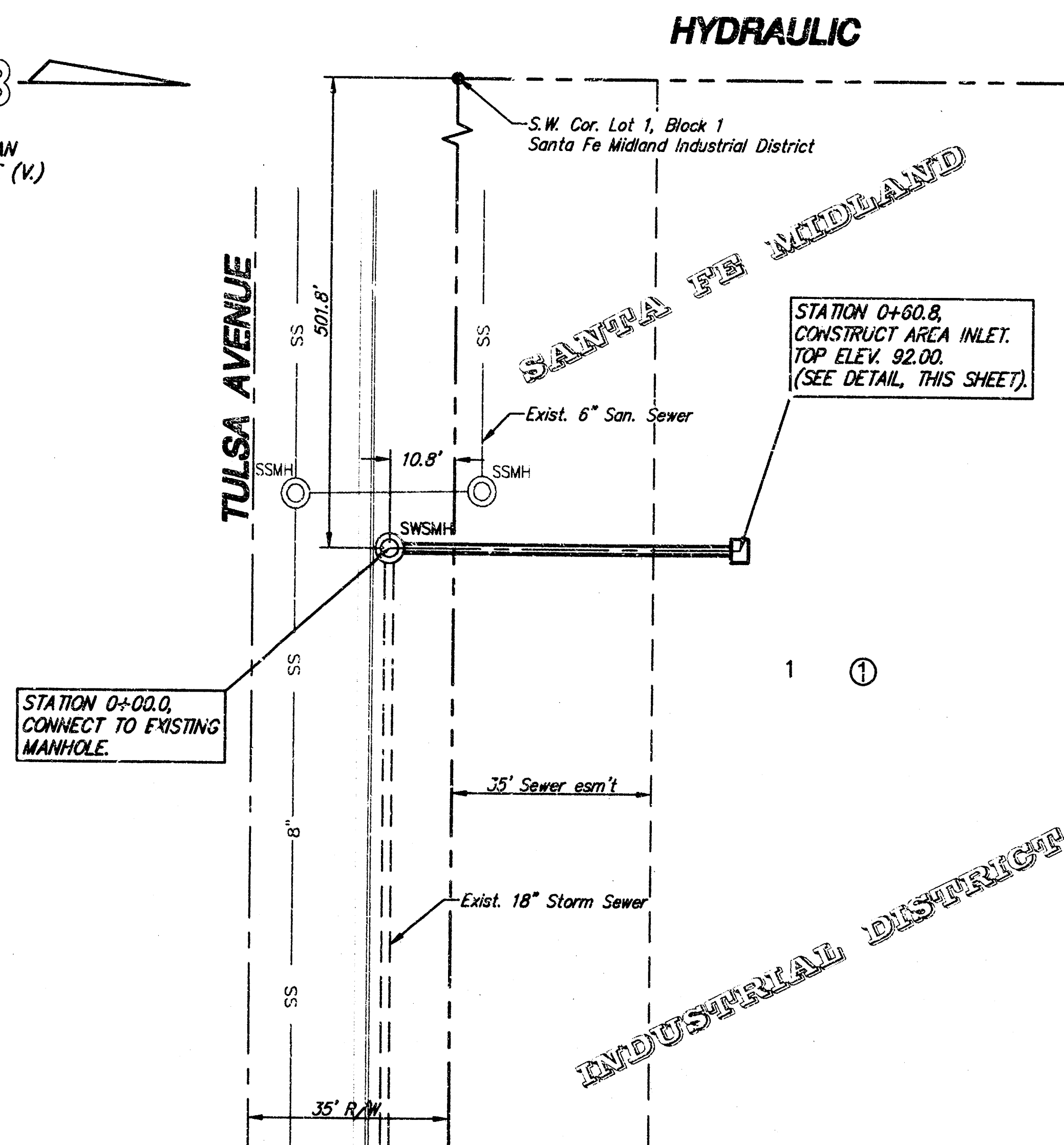


SRB  
SCALE:  
1"=20' PLAN  
1"=5' PROFILE (V.)



#### GENERAL NOTES:

- All work on this project shall conform to the Standard Specifications for Storm Sewer Construction of the City of Wichita.
- Locating dimensions are to center of new inlet.
- 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.
- The Contractor shall notify Kansas One-Call (687-2470) a minimum of 24 hours prior to any excavation.
- Traffic on Tulsa to be maintained in both directions at all times.
- 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                 | 78540 S.F.   |
| D.A. (to storm sewer)         | 3.00 Acres   |
| C <sub>IMPERVIOUS</sub>       | 0.95         |
| C <sub>PERVIOUS</sub>         | 0.65         |
| C <sub>MEAN</sub>             | 0.77         |
| Assumed time of concentration | 10 min.      |
| I <sub>s</sub>                | 5.34 in./hr. |
| I <sub>100</sub>              | 8.54 in./hr. |
| Q <sub>s</sub>                | 12.3 cfs     |
| Q <sub>100</sub>              | 19.7 cfs     |
| Inlet open area               | 4.51 S.F.    |
| Capacity at 1.0' depth        | 21.7 cfs     |

APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA

Sanitary Sewers

Storm Sewers VRH 10/22/96

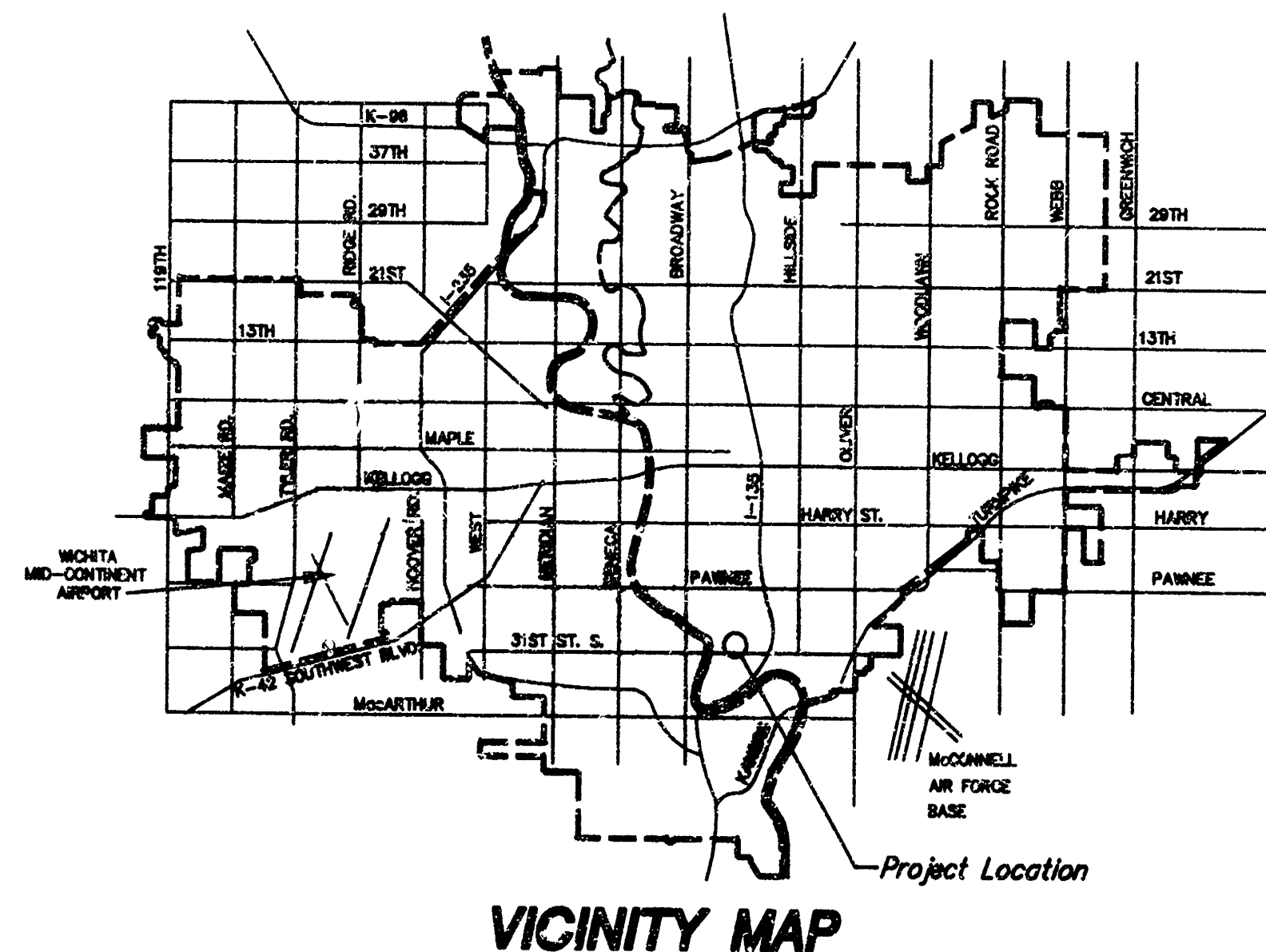
Driveway Approaches

Water Mains

Paving

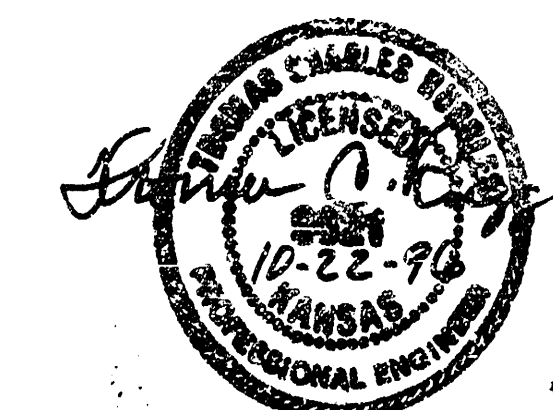
#### NOTE TO CONTRACTORS

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.



AS-BUILT 1-11-97 VR

|                                                                                                        |                                         |                              |               |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------|---------------|
| <b>LOT 1, BLK. 1, SANTA FE MIDLAND INDUSTRIAL DISTRICT<br/>PRIVATE STORM SEWER<br/>WICHITA, KANSAS</b> |                                         |                              |               |
| <b>SRB</b>                                                                                             | 924 NORTH MAIN<br>WICHITA, KANSAS 67203 | 316-264-8008<br>FAX 264-4621 |               |
| <b>SAVOY, RUGGLES &amp; BOHM, P.A.<br/>ENGINEERING &amp; SURVEYING</b>                                 |                                         |                              |               |
| PROJECT NUMBER<br><b>656 PPS (507881)</b>                                                              |                                         |                              |               |
| DESIGN<br>T.C.R.                                                                                       | DRAWN<br>J. Long                        | UTILITY<br>JCR               | REVIEW<br>JCR |
| DATE<br>Oct. 22, 1996                                                                                  |                                         | REVISED                      |               |
| SHEET<br>1                                                                                             |                                         | OF<br>1                      |               |



BOOKED  
6-16-97  
MEL  
C-64