BENCH MARKS

1. "X" Cut on N. edge of San. Sewer MH rim. 24' N. & 10' W. of S.E. corner Lot 5, Block 6, Sterling Farms Add'n Elevation 169.53 City Datum

2. "d" Cut at S.W. Cor. of traffic signal manhole, 6' N. of S.W. prop. corner, 21st & Tyler; Elev. 169.28 City Datum

GENERAL NOTES

1. All work on this project shall conform to the Standard Specifications for Storm Sewer Construction of the City of Wichita.

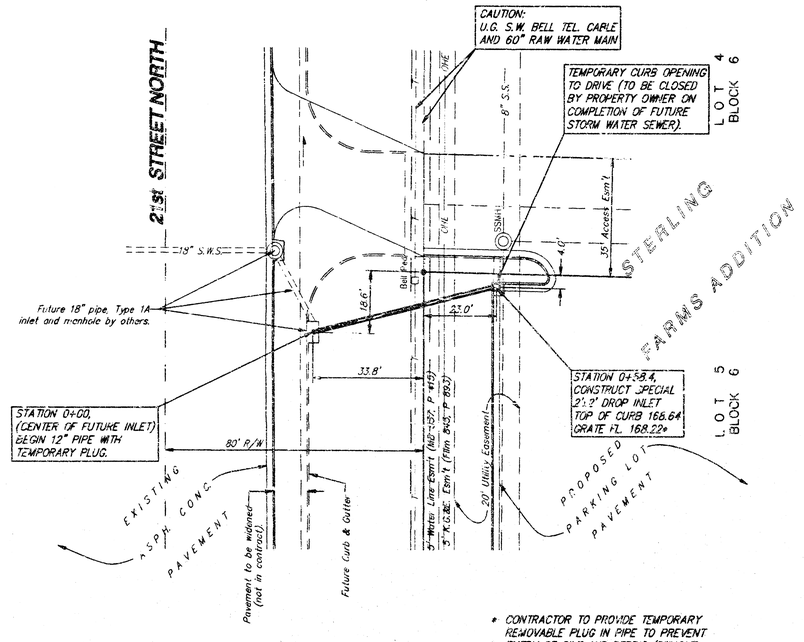
2. The Contractor shall be responsible for any costs and arrangements necessary for any adjustment of the Southwestern Bell cable.

3. All unpaved 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.

RUNOFF CALCULATIONS

By Rational Formula: Q=CIA
Impervious Area = 13007 S.F.
Pervious Area = 2821 S.F.
D.A. (to Storm Sewer) = 0.41 ac.
$C_{impervious}$ = 0.95
$C_{pervious}$ = 0.65
$C_{weighted}$ = 0.88
Assume time of concentration = 10 min.
I_5 = 5.34 in./hr. I_{100} = 8.54 in./hr.
Q_5 = 2.2 cfs Q_{100} = 3.6 cfs



* CONTRACTOR TO PROVIDE TEMPORARY REMOVABLE PLUG IN PIPE TO PREVENT ENTRY OF SILT AND DEBRIS (REMOVE WHEN STORM SEWER IS CONNECTED).

SRB

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

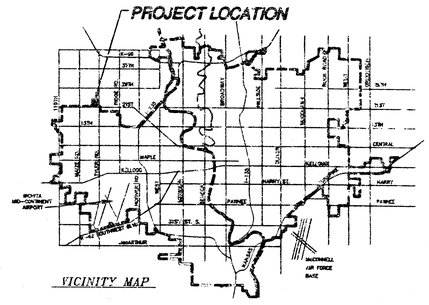
APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 3/7/95
Driveway Approaches _____
Water Mains _____
Paving _____

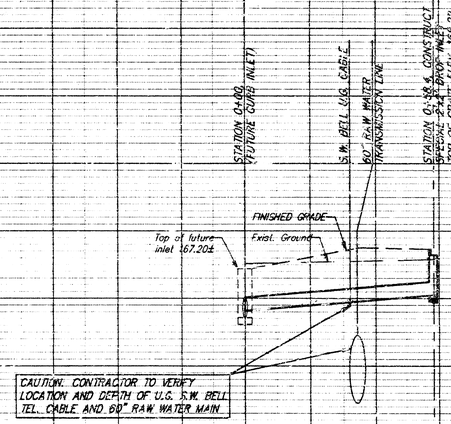
NOTE TO CONTRACTORS

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.

PROJECT LOCATION



VICINITY MAP





LOT 5, BLOCK 6, STERLING FARMS ADDITION
PRIVATE STORM WATER SEWER
WICHITA, KANSAS

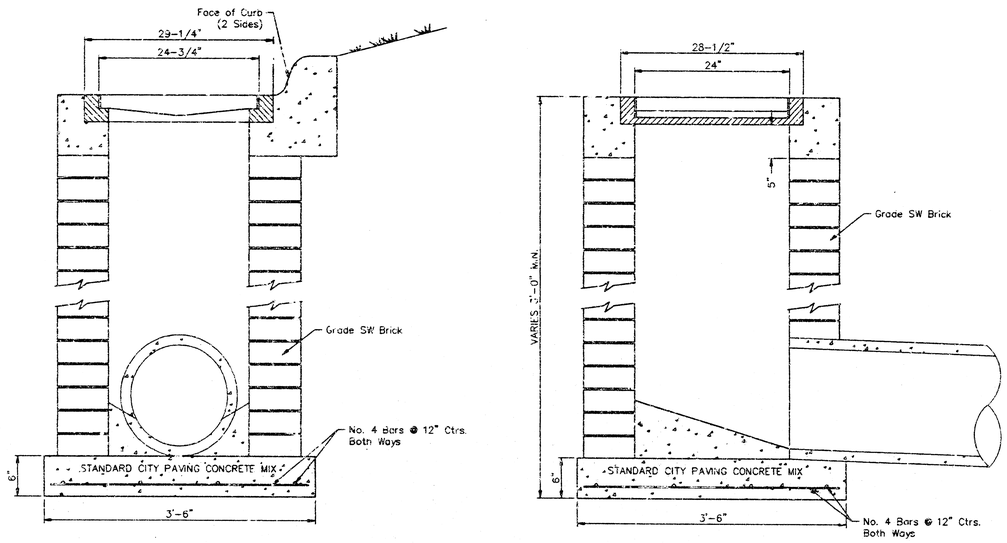
SRB 924 NORTH MAIN WICHITA KANSAS 67203 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

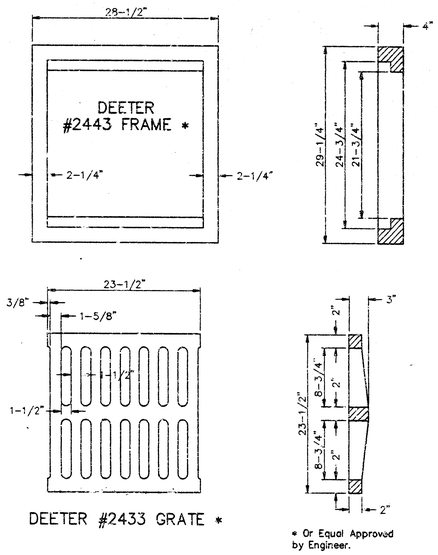
PROJECT NUMBER 526 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
J. Lang	T.C.R.		Mar. 1, 1995	T.C.R.	236E

REVISED

SHEET 1 OF 2





DEETER #2433 GRATE *

* Or Equal Approved by Engineer.

24" x 24" FRAME AND GRATE DETAIL

LOT 5, BLOCK 8, STERLING FARMS ADDITION
2'x2' SPECIAL DROP INLET
WICHITA, KANSAS

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4021

SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

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J. Lang	T.C.R.		Mar. 1, 1995	T.C.R.	236E

REVISED

SHEET 2 OF 2

DWG FILE (T.REX)236E\DROPINLT

