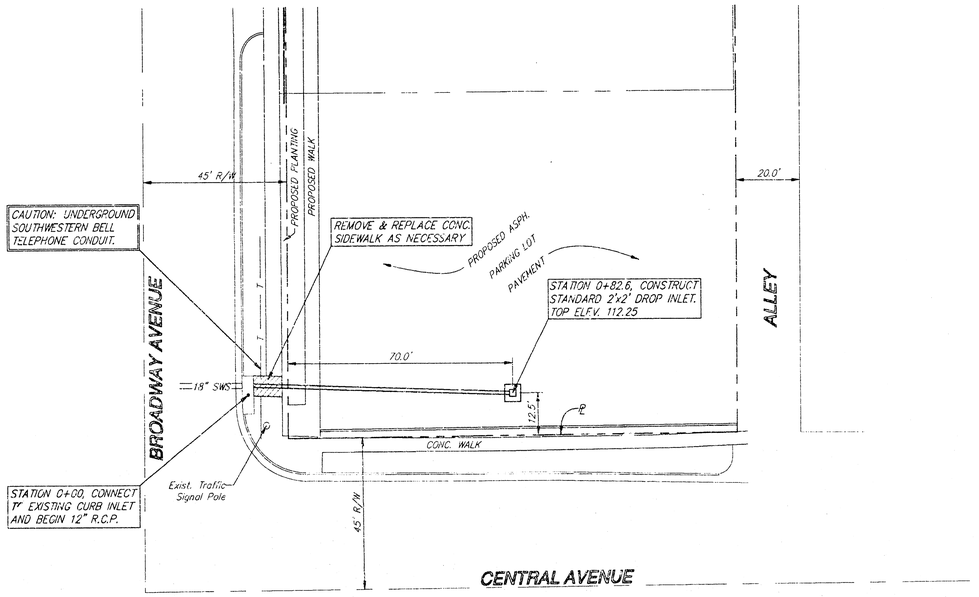
GENERAL NOTES

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 conduit or 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.

BENCH MARK

N.W. cor. bottom concrete step at St. Mary's, Catholic Diocese (S.E. corner of intersection of Broadway and Central). Elevation 113.78 City Datum



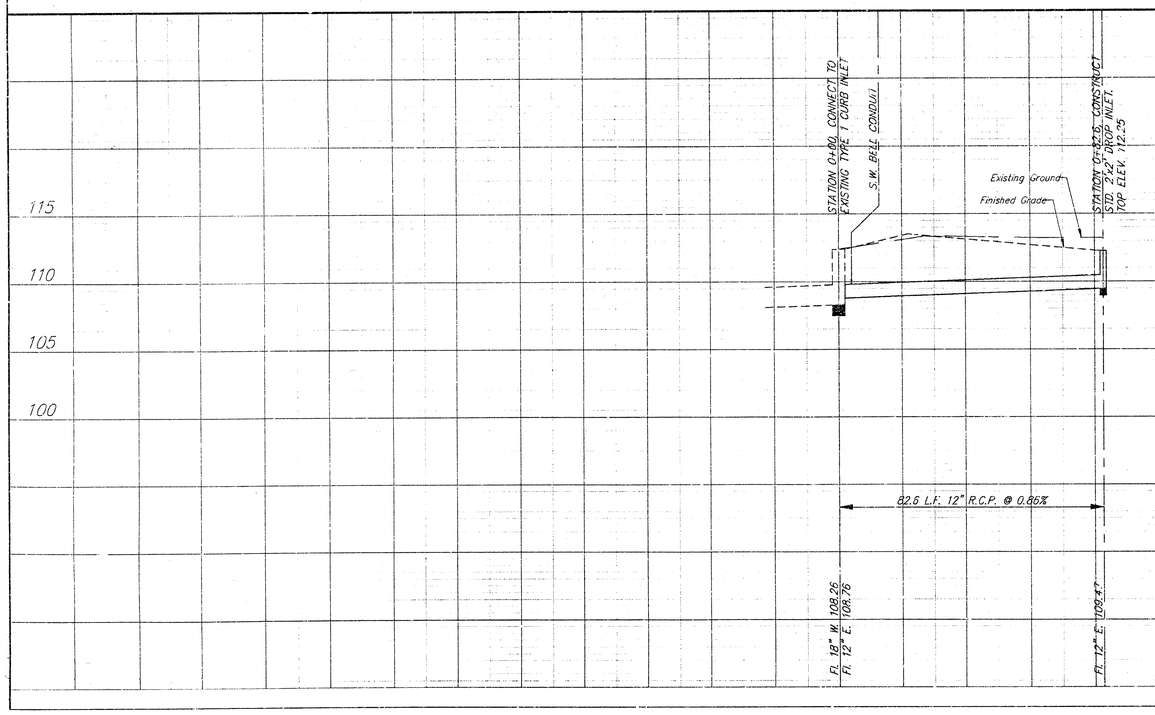
SCALE:
1"=20'-0" PLAN
1"=5'-0" PROFILE (V.)

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 1/4/95
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.



DRAINAGE CALCULATION

Drainage Area = 0.29 Acre
T_c = 10 minutes
I_5 = 5.34 in/hr. I_{100} = 8.54 in/hr.
C_5 = 0.88 C_{100} = 0.89
Q_5 = 1.4 cfs Q_{100} = 2.2 cfs
(by Rational Method)

For grated inlet, use orifice formula:
$q = 0.6\ A\sqrt{2gh}$ (h = 0.5')
for Q_5 = 1.4 cfs, A = 0.41 s.f.
Single inlet grate opening = 1.28 s.f.
capacity q = 4.3 cfs > Q_{100}

THOMAS CHARLES RUGGLES LICENSED 8621 12-30-94 KANSAS PROFESSIONAL ENGINEER

PRIVATE STORM WATER SEWER
S. 230' OF W. 1/2 RESERVE, J.P. HILTON'S ADD'N
WICHITA, KANSAS

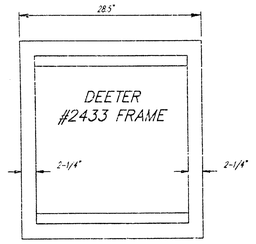
SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

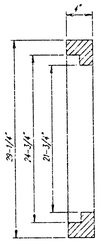
PROJECT NUMBER 524 PPS (607861)

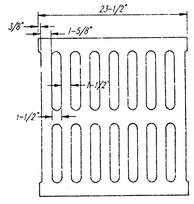
DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
J. Lang	T.C.R.		Dec. 30, 1994		239E

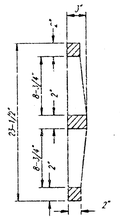
REVISED

SHEET 1 OF 2



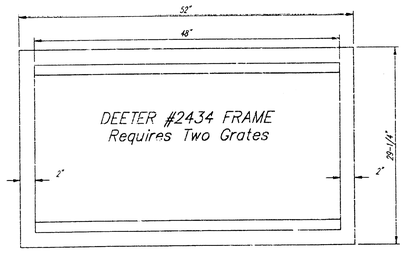


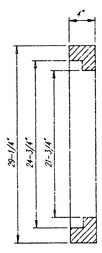




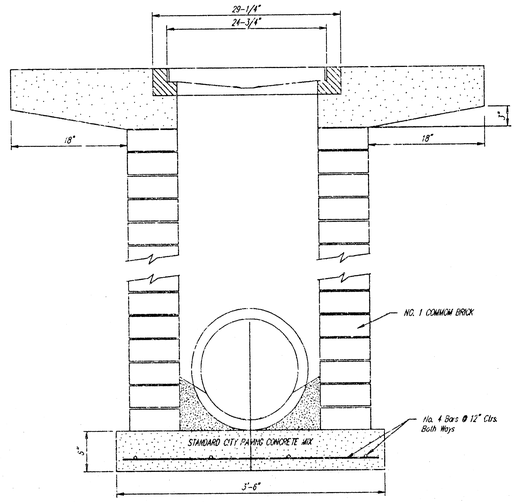
DEETER #2433 GRATE

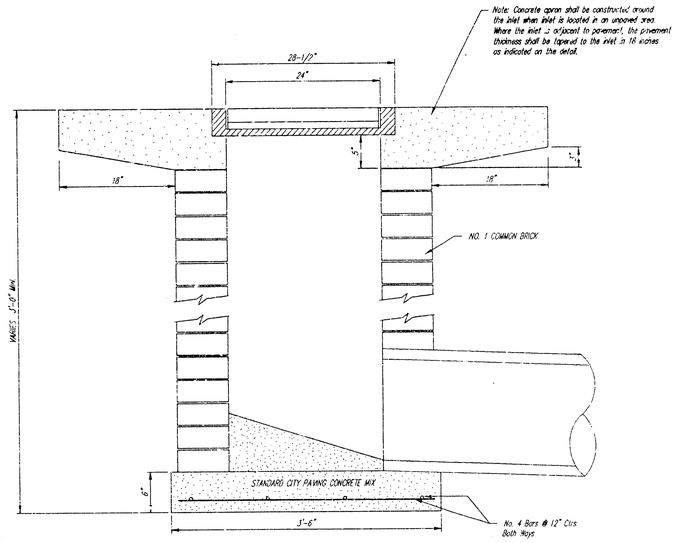
24" x 24" Frame and Grate Detail

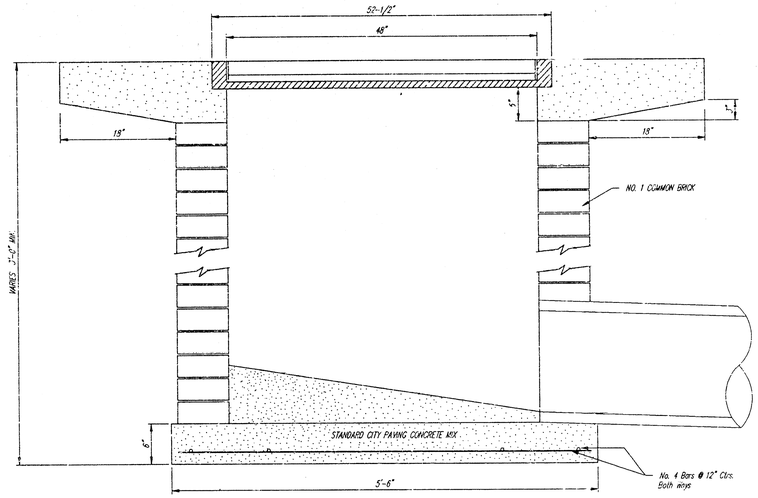




Double 24" x 24" Frame Detail







DROP INLET DETAILS	2
524 PPS (607861)	2