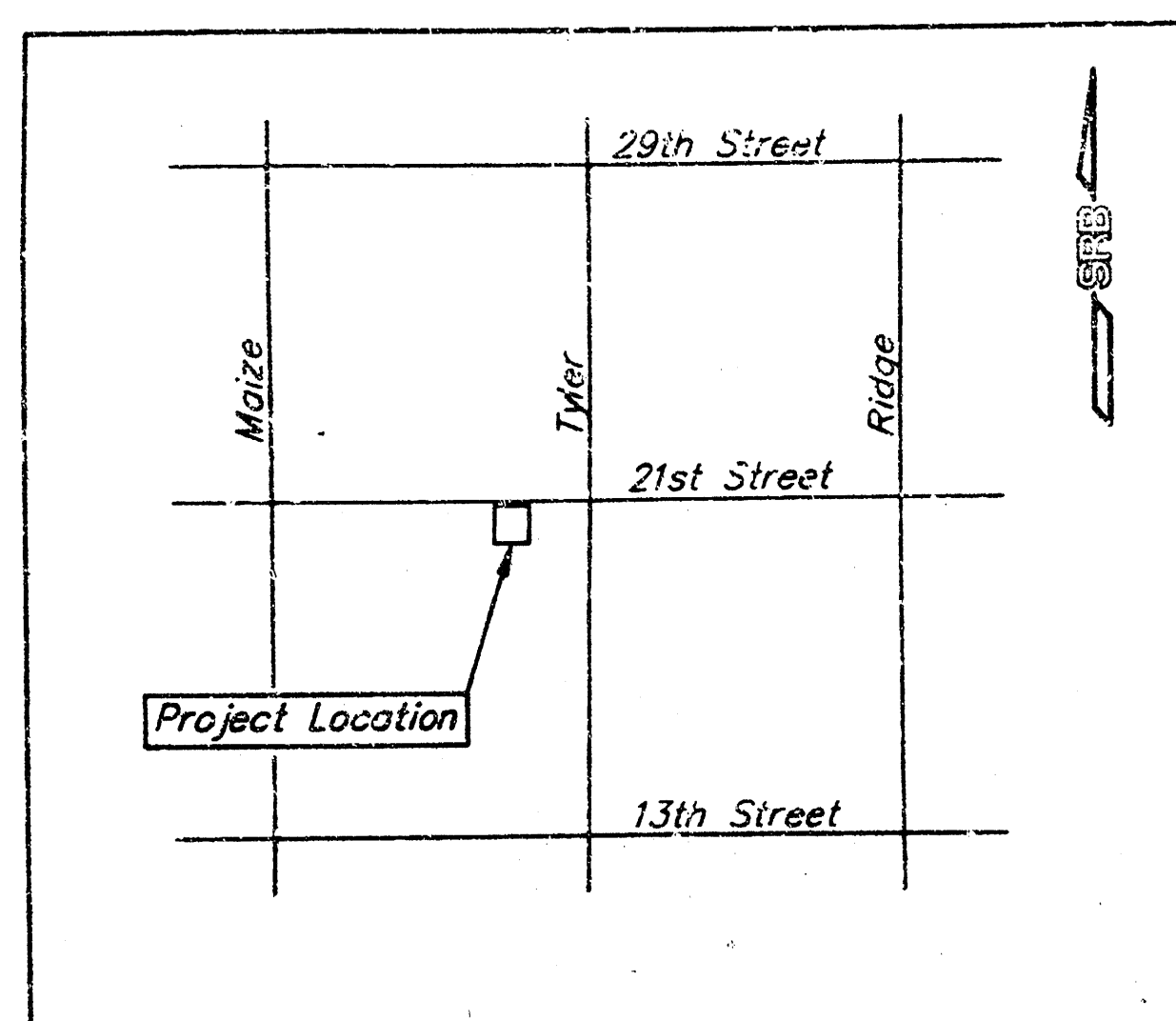


APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 4/12/96
Utility 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. Such 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.



STA 0+00, REMOVE 24" STUB SOUTH
CONNECT TO EXISTING MANHOLE.
BEGIN 15" PIPE SOUTHEAST. SEE
CONNECTION SCHEMATIC NEXT SHEET.
MANHOLE TOP ELEV. 167.26

CAUTION: 4" PEOPLES GAS
MAIN AND 8" K&E GAS MAIN.

43.60
STA 0+83.23, CONSTRUCT 4' X 2'
DROP INLET W/ MONOLITHIC CURB.
TOP ELEV. 165.28

BENCH MARKS

C.O.M. Disc 73.6' north and 53.3' east of the
intersection of 21st St. N. and Tyler Road.
ELEV. = 170.95 City Datum

"C" cut SW Corner Traffic Signal Manhole
@ SW Corner of 21st St. N. & Tyler Road.
ELEV. = 169.28 City Datum

SE COR.
34" T.P.

22.83
STA 2+23.58, CONSTRUCT
2' X 2' DROP INLET
TOP ELEV. 165.46

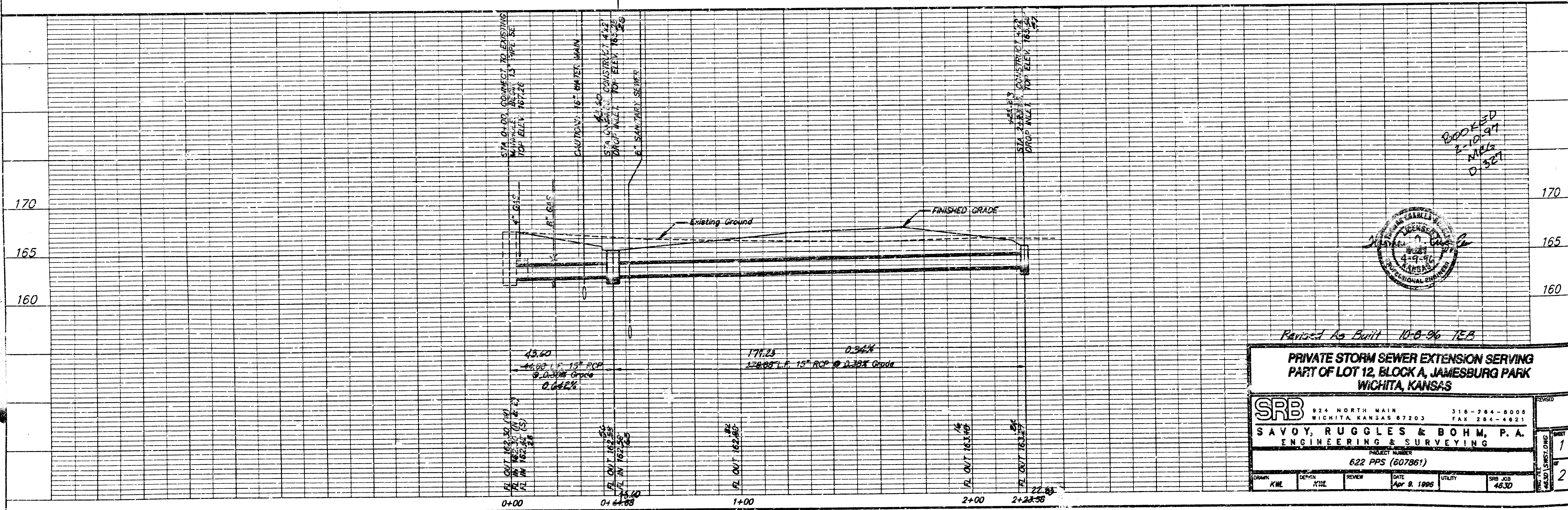
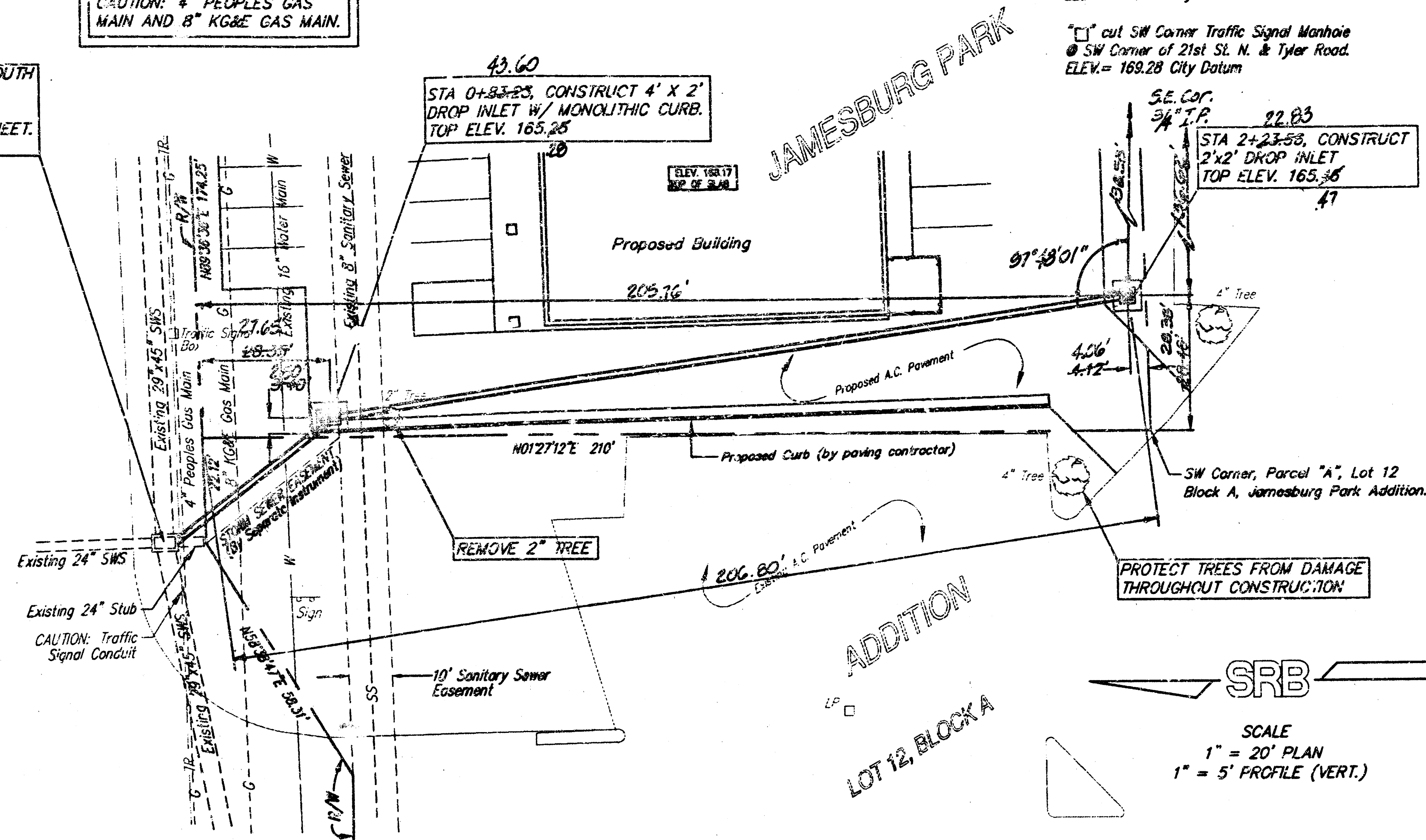
GENERAL NOTES

- Traffic will not be affected by the construction of this project.
- Contractor will be required to provide a minimum advance notice of twenty-four (24) hours to utility companies prior to starting any excavation as follows:
Kansas One-Call 687-2470
- The Contractor shall be responsible for any costs and arrangements necessary for any adjustment of the K&E gas main and Peoples Natural Gas main for construction of this project. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- All work on this project shall conform to the Standard Specifications for Storm Sewer Construction of the City of Wichita.
- 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.

RUNOFF CALCULATIONS

By Rational Formula: $Q = C I A$
 $A_{\text{Imperv.}} = 26798 \text{ S.F. } A_{\text{Per.}} = 7814 \text{ S.F.}$
 $C.A. \text{ (to Storm Sewer)} = 0.78 \text{ cfs}$
 $C_{\text{Imperv.}} = 0.85 \quad C_{\text{Per.}} = 0.03$
 $C_{\text{Imperv.}} = 0.22 \quad C_{\text{Per.}} = 0.41$
 $C_{\text{Imperv.}} = 0.54 \quad C_{\text{Per.}} = 0.67$
 Assume time of concentration = 10 min.
 $I_2 = 5.34 \text{ in./hr. } I_{10} = 8.54 \text{ in./hr.}$
 $Q_2 = 2.3 \text{ cfs } Q_{10} = 4.6 \text{ cfs}$

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



BOOKED
7-10-97
NAB
D-387

622 PPS (607861)

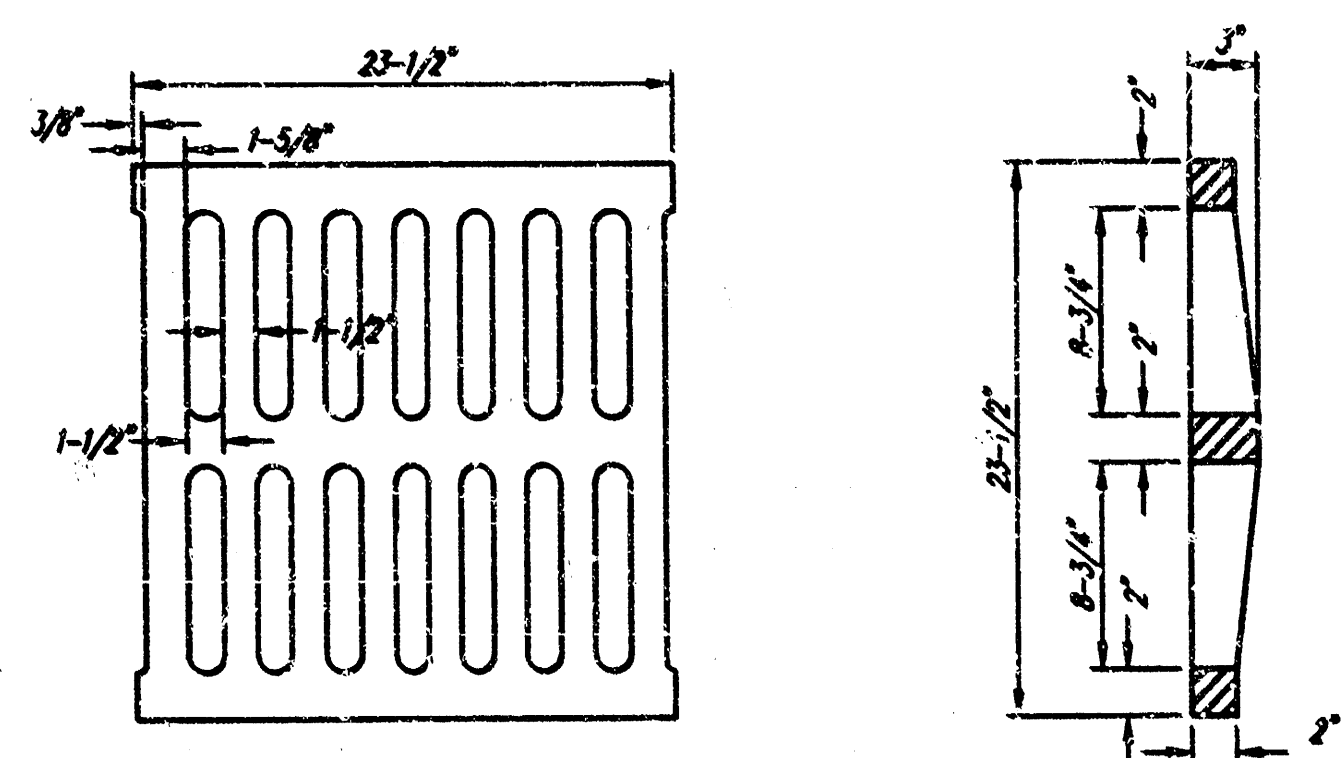
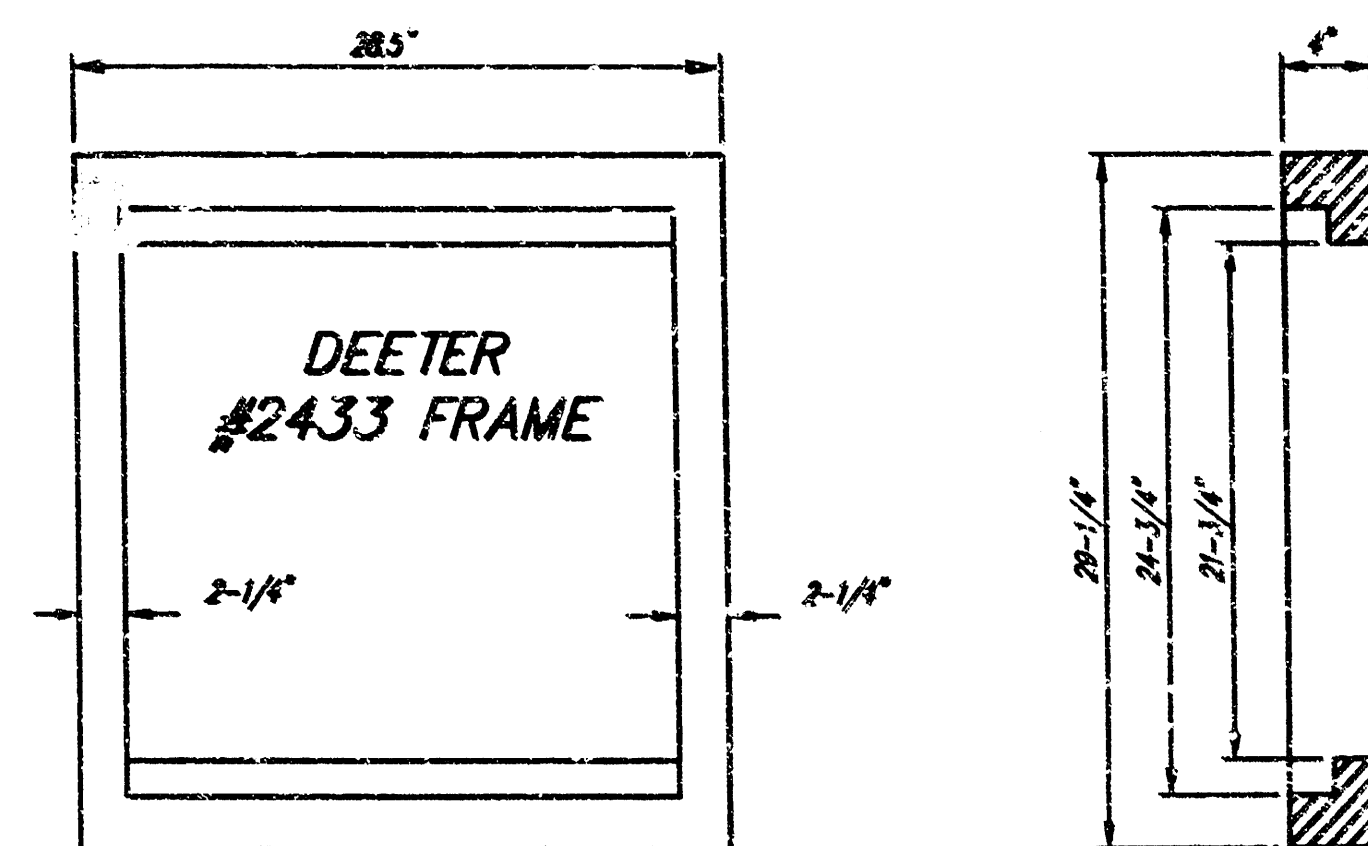
PRIVATE STORM SEWER EXTENSION SERVING
PART OF LOT 12, BLOCK A, JAMESBURG PARK
WICHITA, KANSAS

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

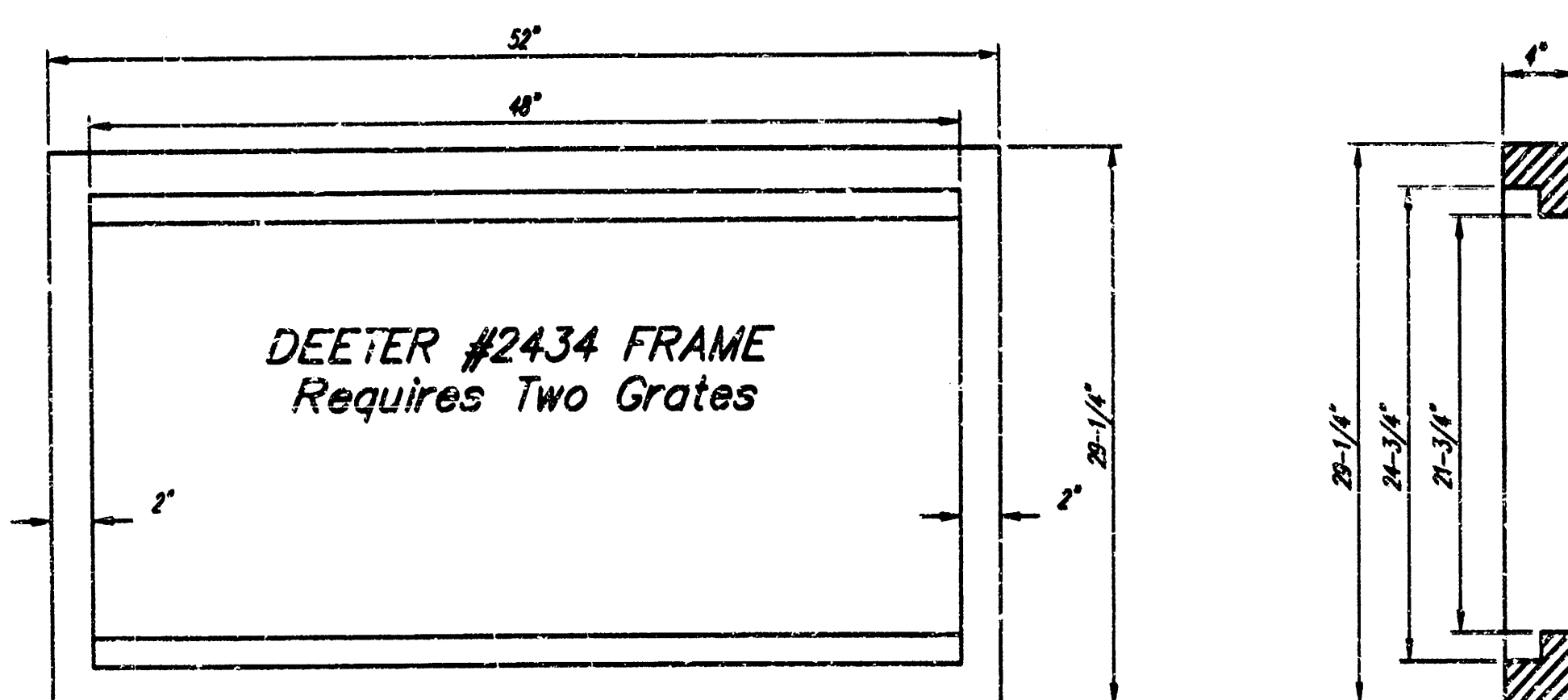
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

DATE: Apr 8, 1996

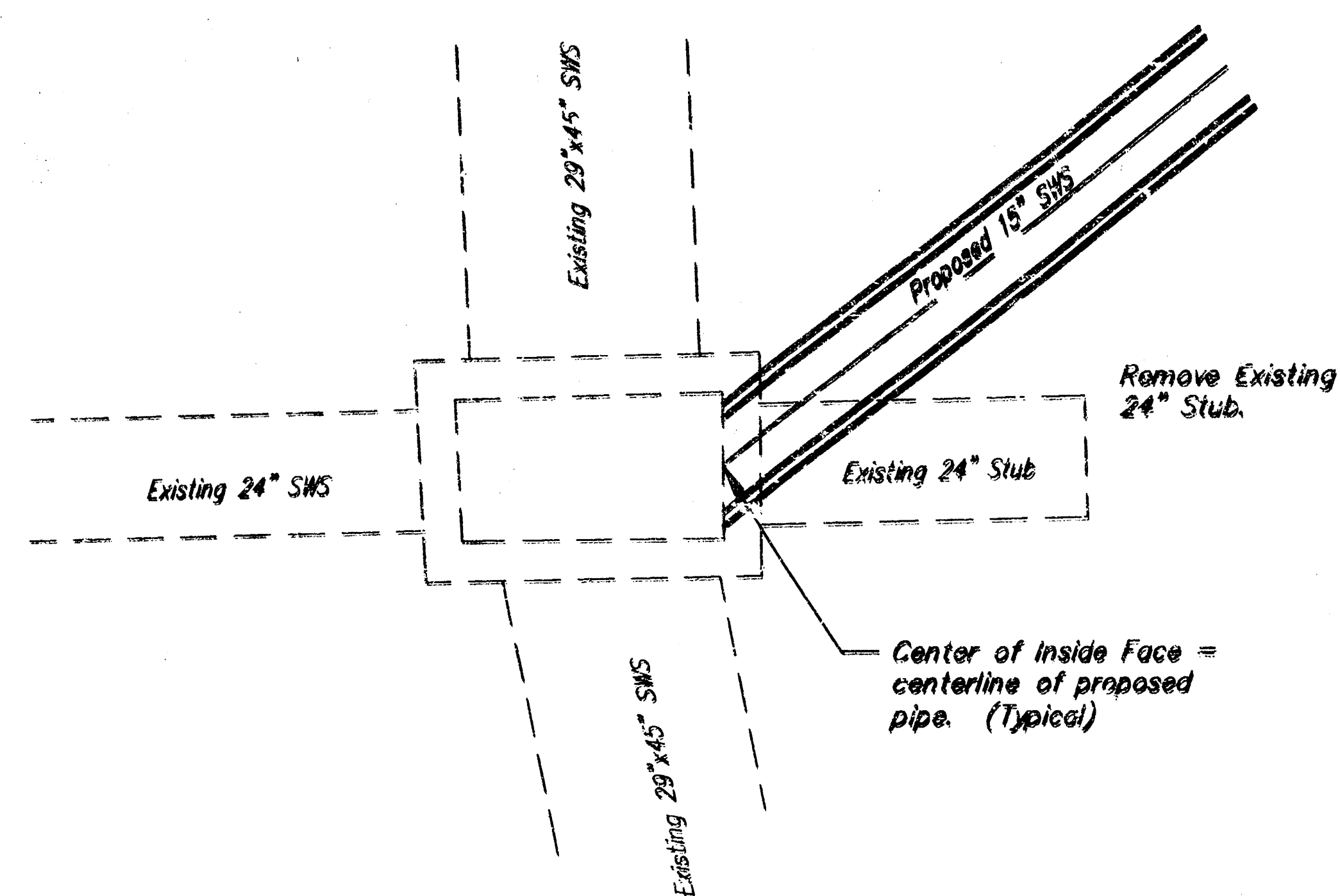
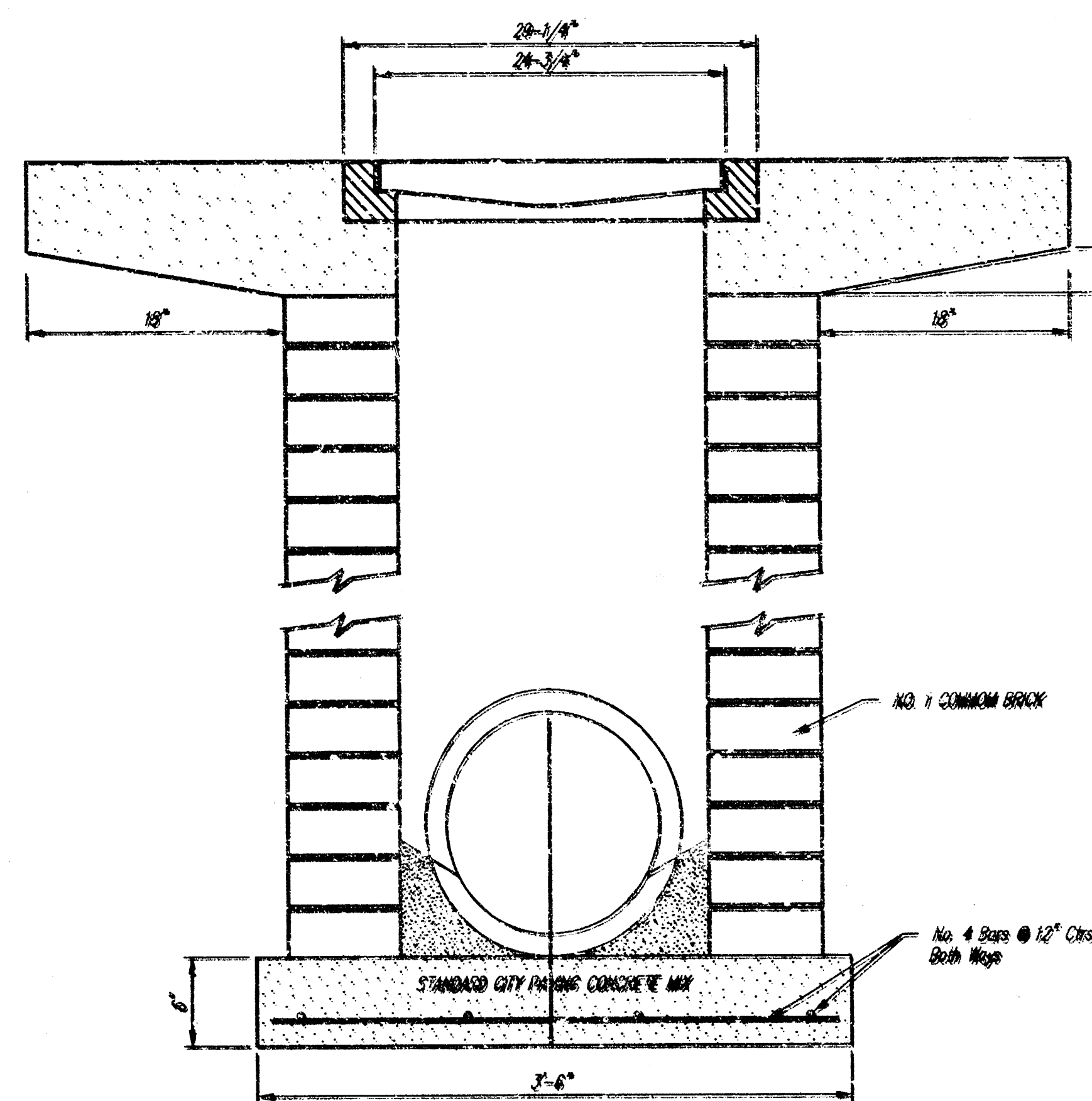
SRB JOB 4630



DEETER #2433 FRAME
24" x 24" Frame and Grate Detail



Double 24" x 24" Frame Detail



SWS Connection Schematic

