

BENCH MARKS

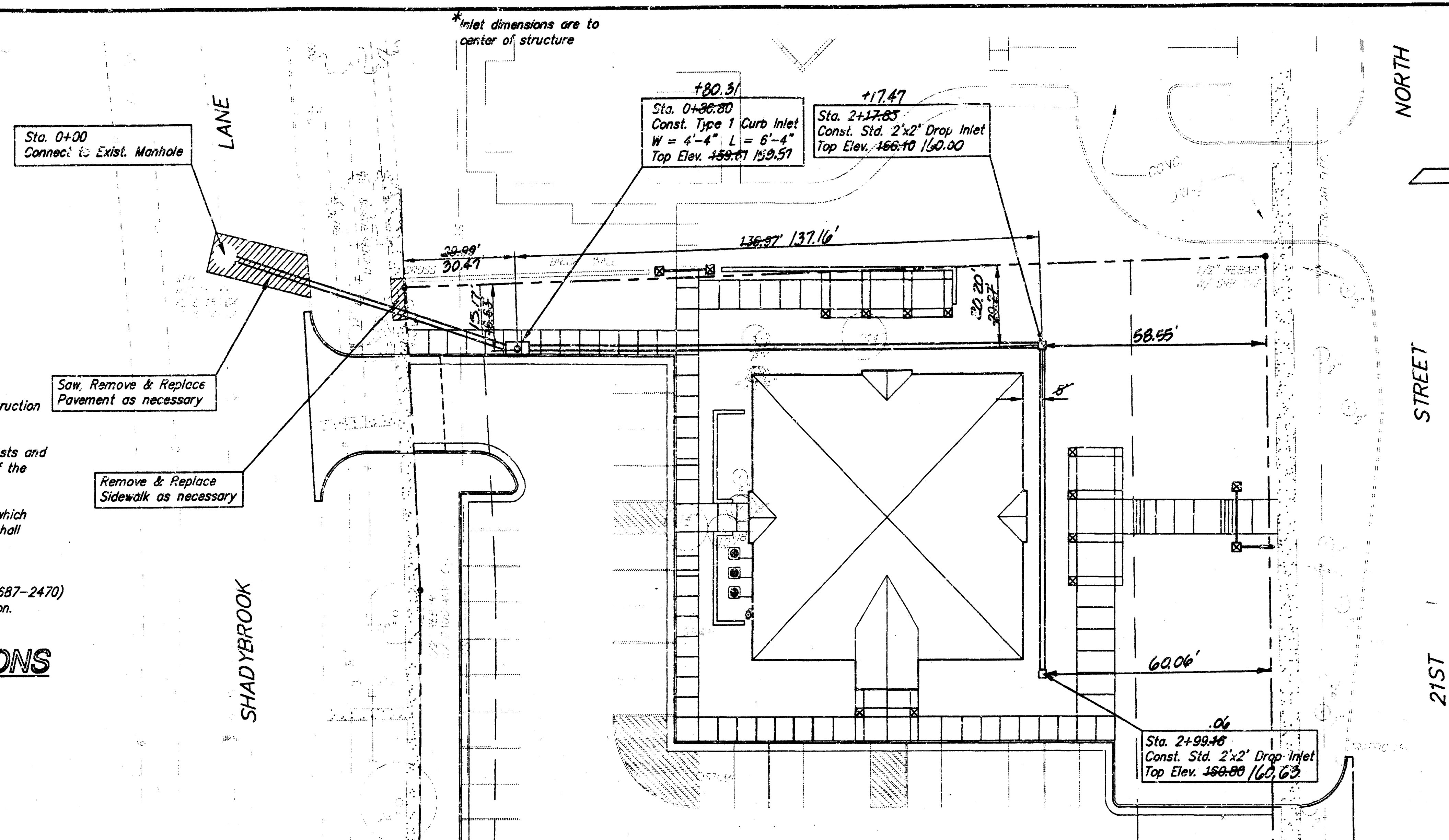
1. "X" CUT @ SW CORNER OF PROPERTY
ELEV. = 158.88 (CITY DATUM)
2. "X" CUT ON TOP OF CURB & NORTH
END OF RETURN AT NW CORNER OF
SHADYBROOK & CARMEN
ELEV. = 152.00 (CITY DATUM)
3. "X" CUT AT BACK OF WALKS, NW
CORNER OF HILLSIDE & SHADYBROOK
ELEV. = 168.32 (CITY DATUM)

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 = 38371 S.F.
 Pervious Area = 15353 S.F.
 D.A. (to Storm Sewer) = 1.23 A.
 C_p impervious = 0.85 C_{pa} = 0.93
 C_p pervious = 0.35 C_{pa} = 0.65
 C_p pervious = 0.71 C_{pa} = 0.85
 Assume time of concentration = 5 min.
 $I_3 = 6.53$ in./hr. $I_{100} = 10.32$ in./hr.
 $Q_3 = 5.7$ cfs $Q_{100} = 10.8$ cfs



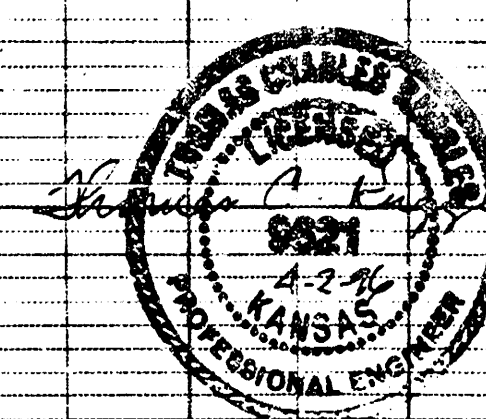
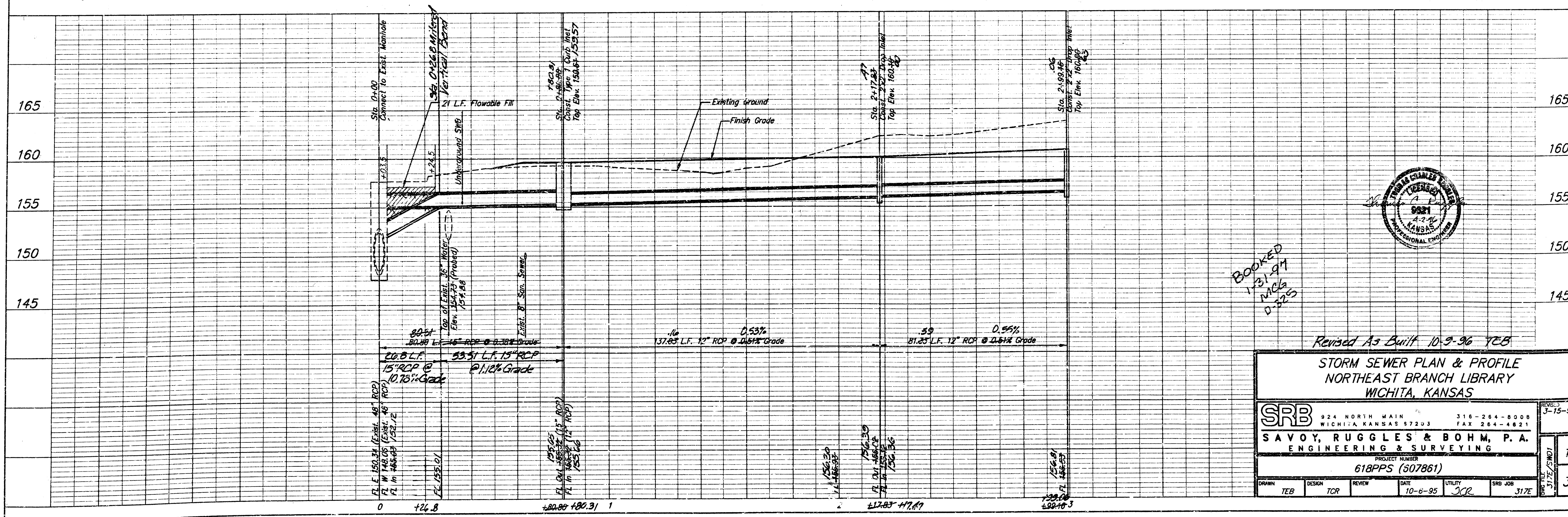
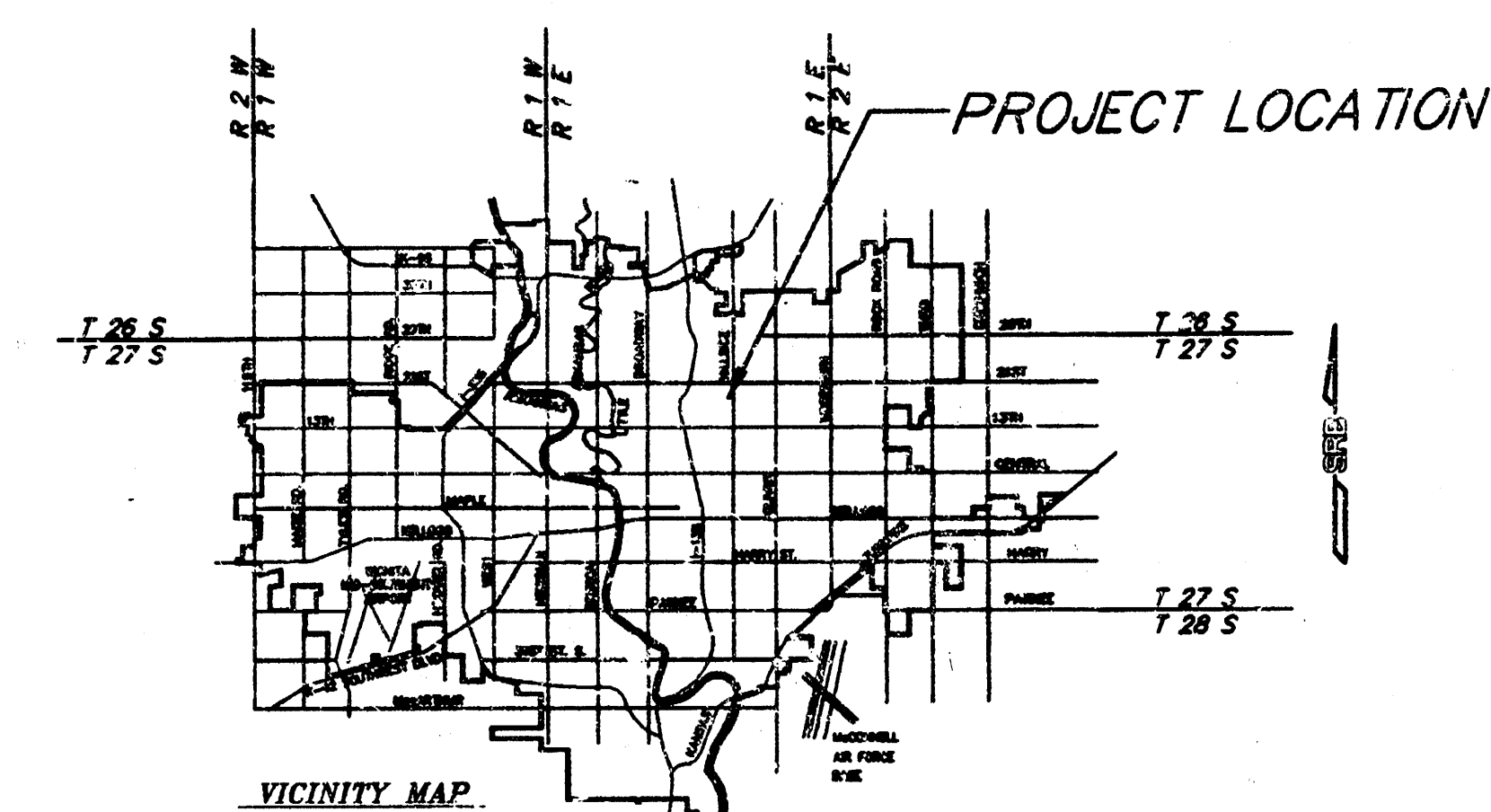
Scale: PLAN
1" = 20'
PROFILE
1" = 20' Horiz.
1" = 5' Vert.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers
Storm Sewers
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
sewerage or public right-of-way by the Contractor
without such inspection, nor shall any work be
commenced without written authorization by the
City Engineer.



BOOKED
1/31/97
MCS
0-325

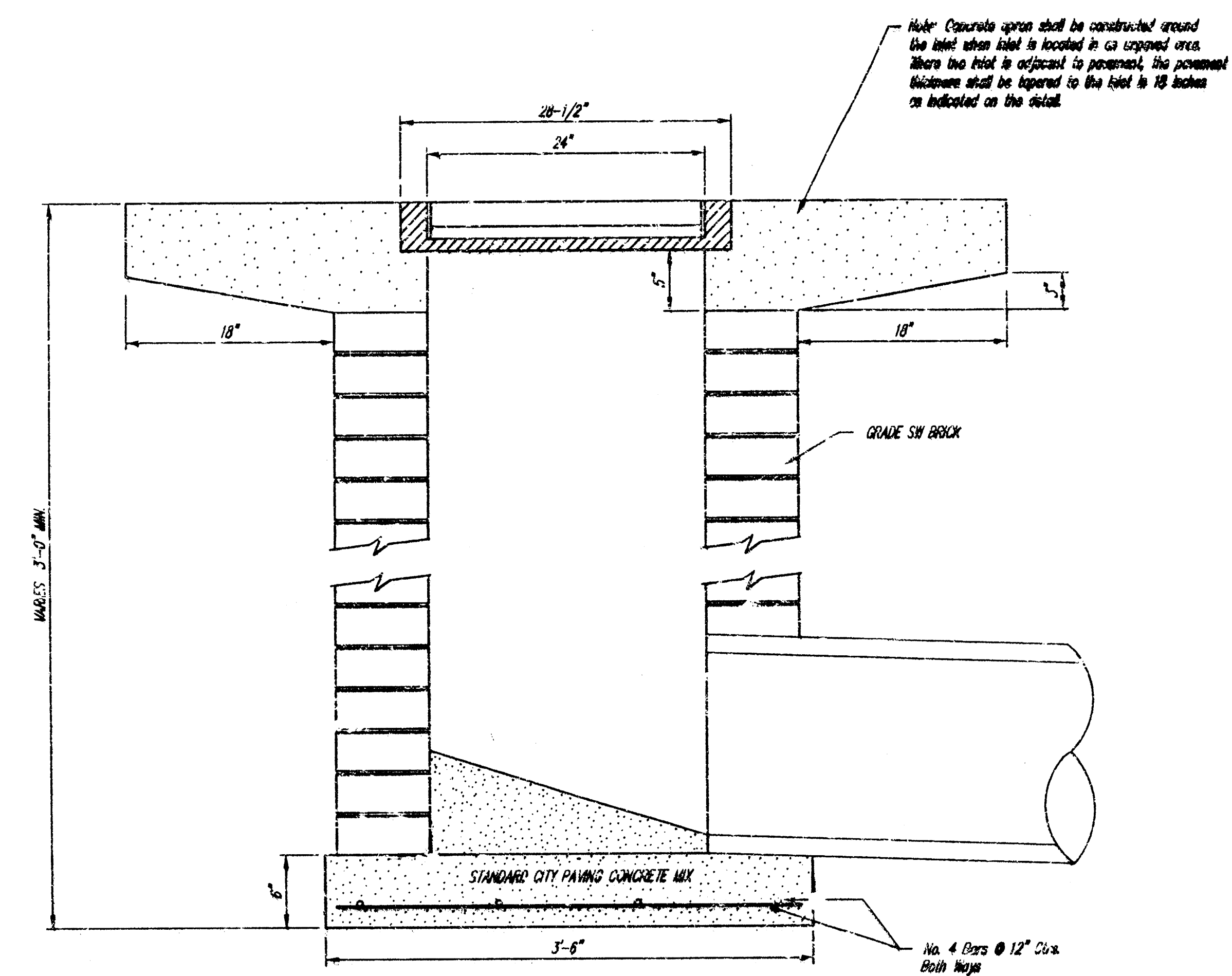
Revised As Built 10-9-96 YCB

STORM SEWER PLAN & PROFILE
NORTHEAST BRANCH LIBRARY
WICHITA, KANSAS

SRB 924 NORTH MAIN 316-264-8008
WICHITA, KANSAS 67203 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING
PROJECT NUMBER
618PPS (307861)

DRAWN TEB DESIGN TCR REVIEW DATE 10-6-95 UTILITY JCR SRB JOB 317E

REVISIONS
3-15-96
1
3



Project Number
618 PPS (607861)

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