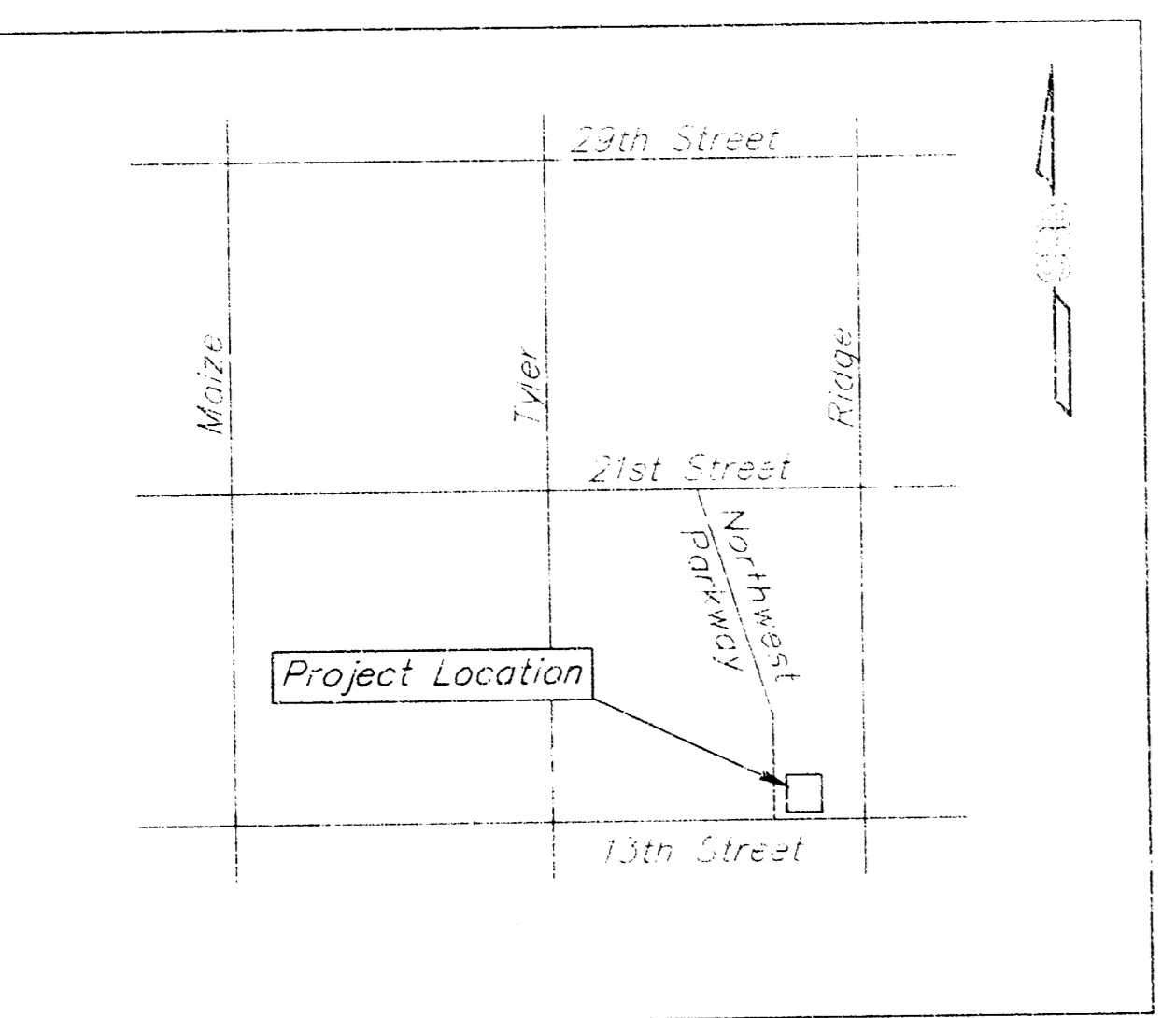


APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 12/14/98
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.



BENCH MARKS

C.O.W. Disc 95' north and 50' east of the intersection of 13th St. N. and Ridge Road.
ELEV. = 147.85 City Datum

South Rim of Sanitary Sewer Manhole
14.4' north and 5.3' east of northeast property corner.
ELEV. = 147.08 City Datum

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 607-2470
- 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.

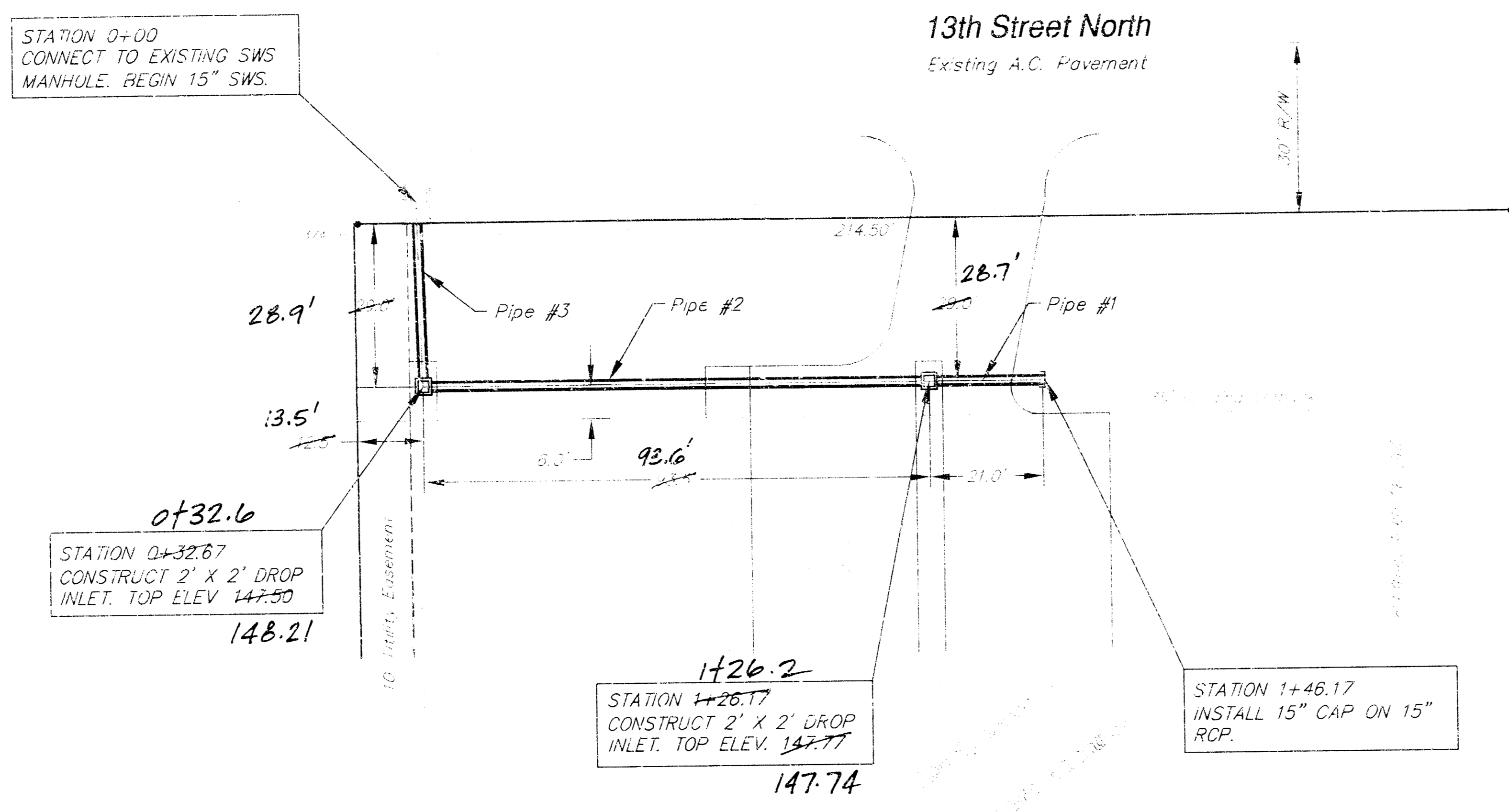
RUNOFF CALCULATIONS

By Rational Formula: $Q = C I A$
Area 1 (1+46.17) = 0.39 acres
 $C_2 = 0.69$ $C_{100} = 0.80$
 $I_2 = 4.56 \text{ in./hr.}$ $I_{100} = 7.37 \text{ in./hr.}$
 $Q_2 = 1.2 \text{ cfs}$ $Q_{100} = 2.3 \text{ cfs}$
Time of concentration = 15 min.

Area 2 (1+26.17) = 0.48 acres
 $C_2 = 0.69$ $C_{100} = 0.80$
 $I_2 = 4.56 \text{ in./hr.}$ $I_{100} = 7.37 \text{ in./hr.}$
 $Q_2 = 1.5 \text{ cfs}$ $Q_{100} = 2.8 \text{ cfs}$
Time of concentration = 15 min.

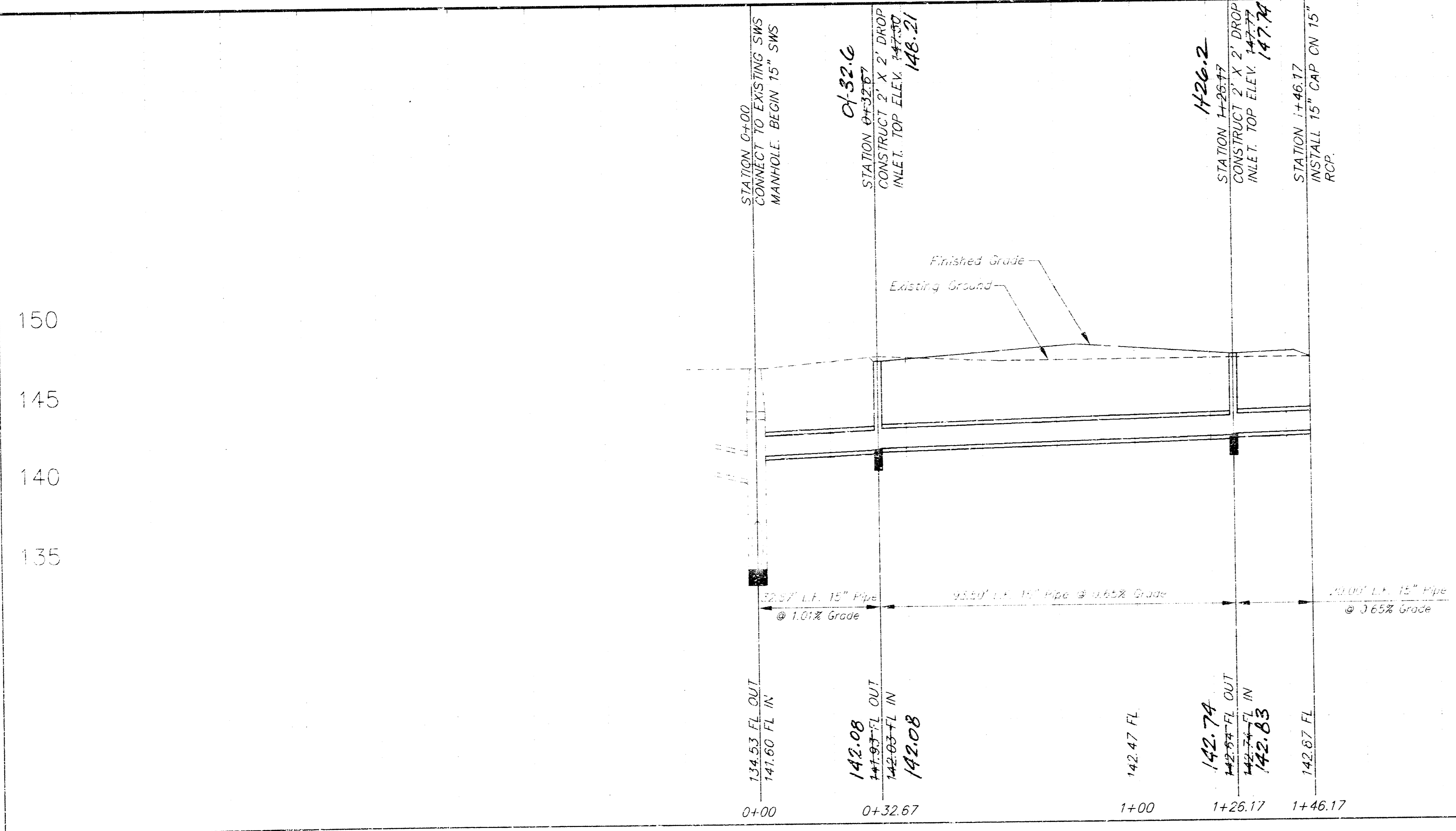
Area 3 (0+32.67) = 0.48 acres
 $C_2 = 0.69$ $C_{100} = 0.80$
 $I_2 = 4.56 \text{ in./hr.}$ $I_{100} = 7.37 \text{ in./hr.}$
 $Q_2 = 0.8 \text{ cfs}$ $Q_{100} = 1.4 \text{ cfs}$
Time of concentration = 15 min.

| Pipe No. | Q_2 | Q_{100} |
|----------|-------|-----------|
| 1 | 1.2 | 2.3 |
| 2 | 2.7 | 5.1 |
| 3 | 3.5 | 6.5 |



SCALE
1" = 20' Horiz. (Plan)
1" = 5' Vert. (Profile)

BOOKED
4-7-99
M.L.S.
D-120



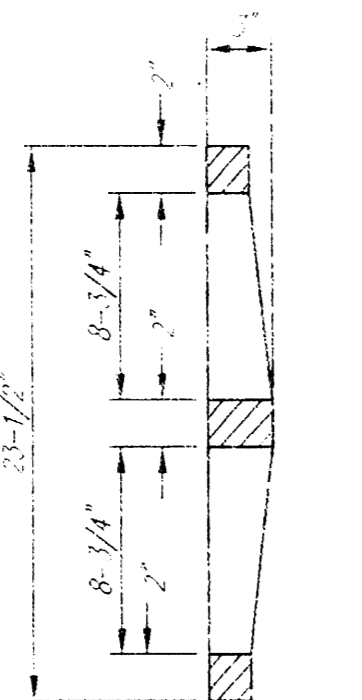
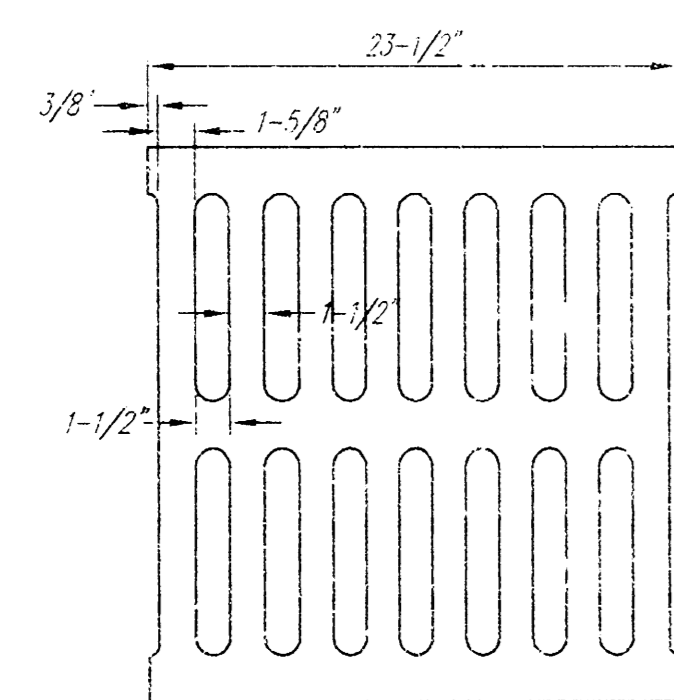
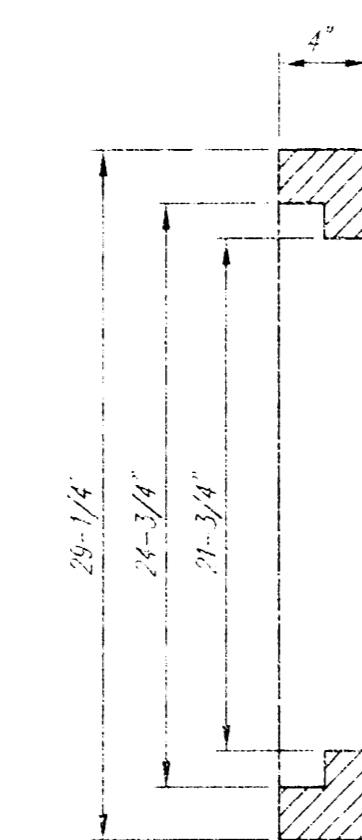
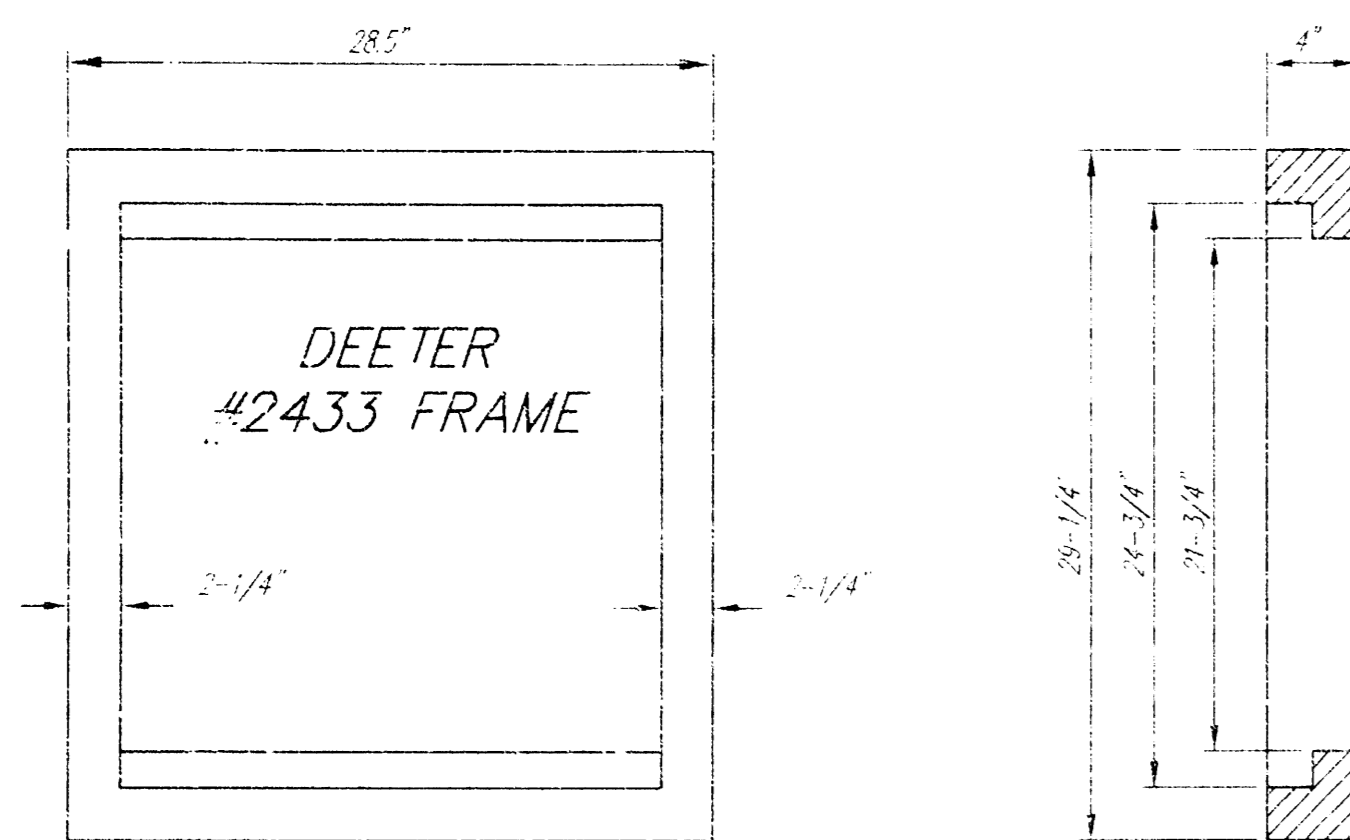
AS BUILT SURVEY: 3/29/99

PRIVATE STORM SEWER EXTENSION SERVING
LOT 1, BLOCK 1, BROCK 3RD ADDITION
WICHITA, KANSAS

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

PROJECT NUMBER
872 PPS (607861)

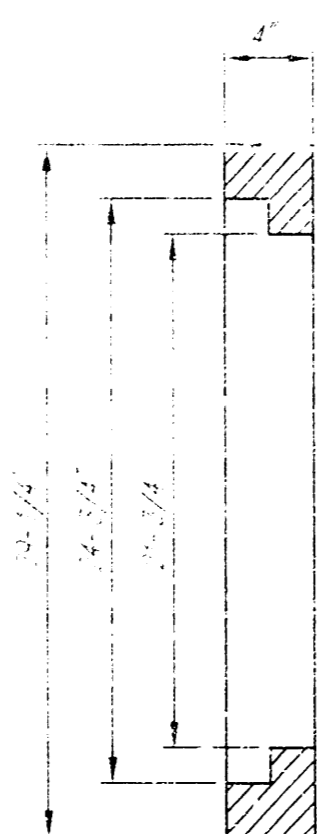
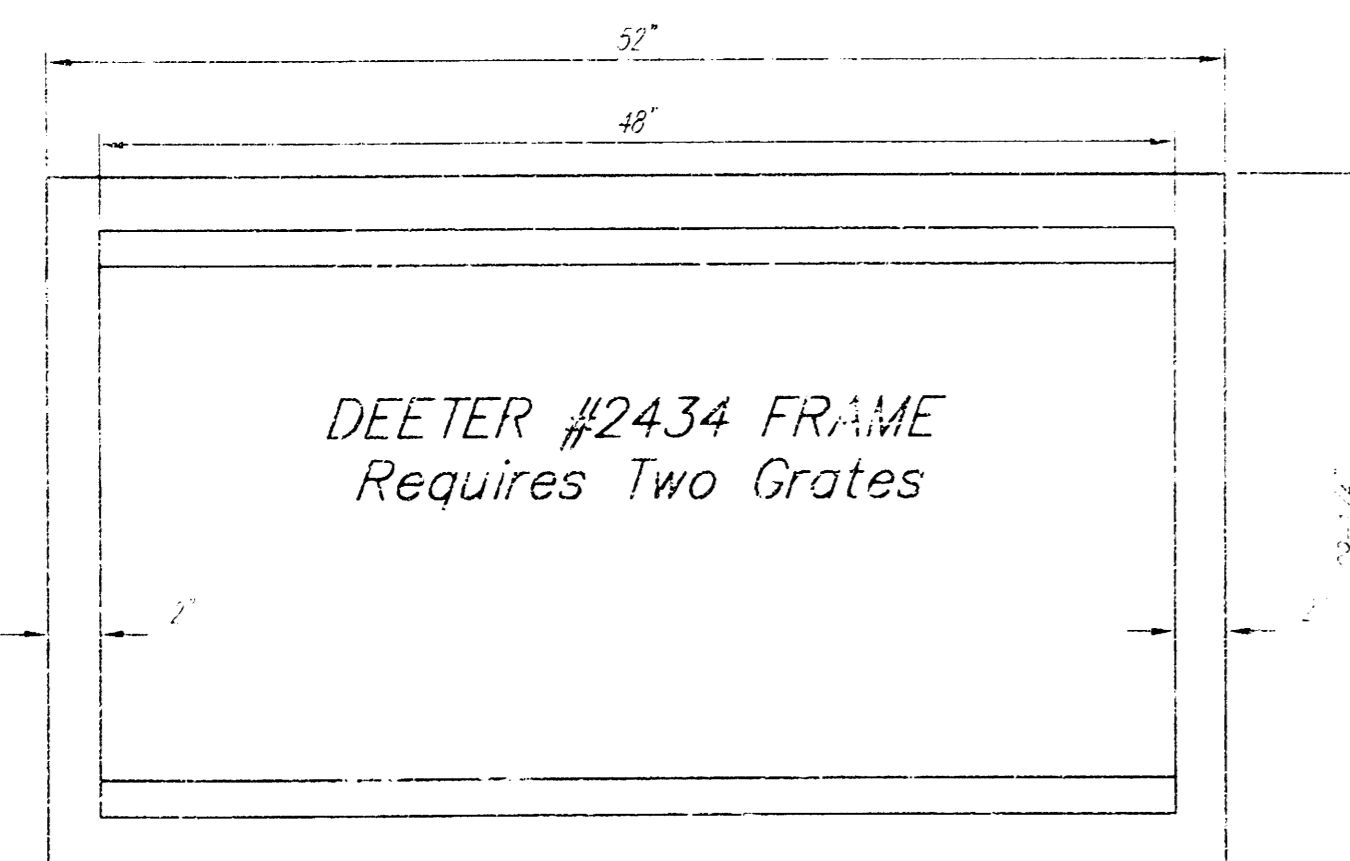
DATE: Dec. 11, 1998



DEETER #2433 GRATE

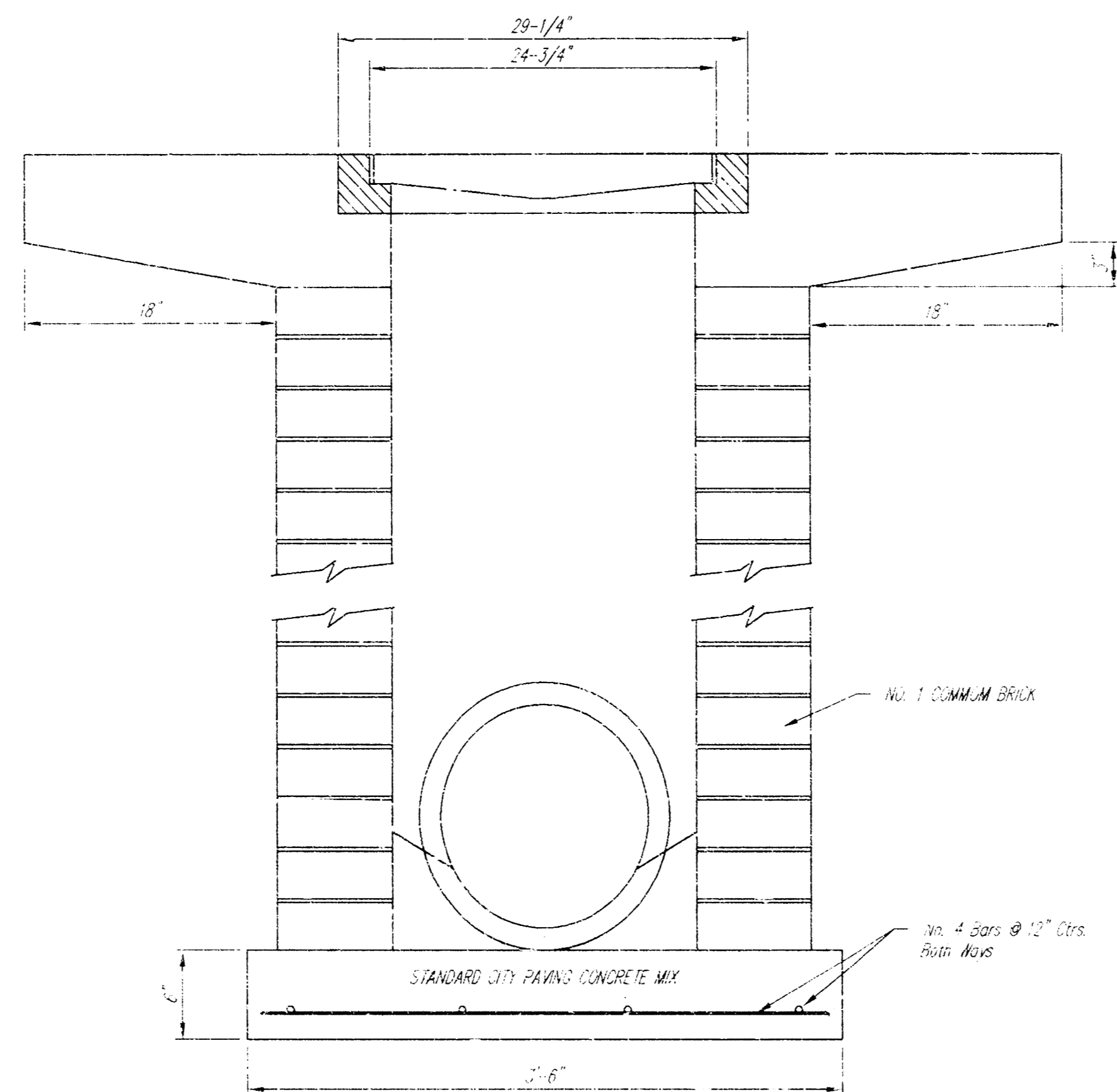
24" x 24" Frame and Grate Detail

NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

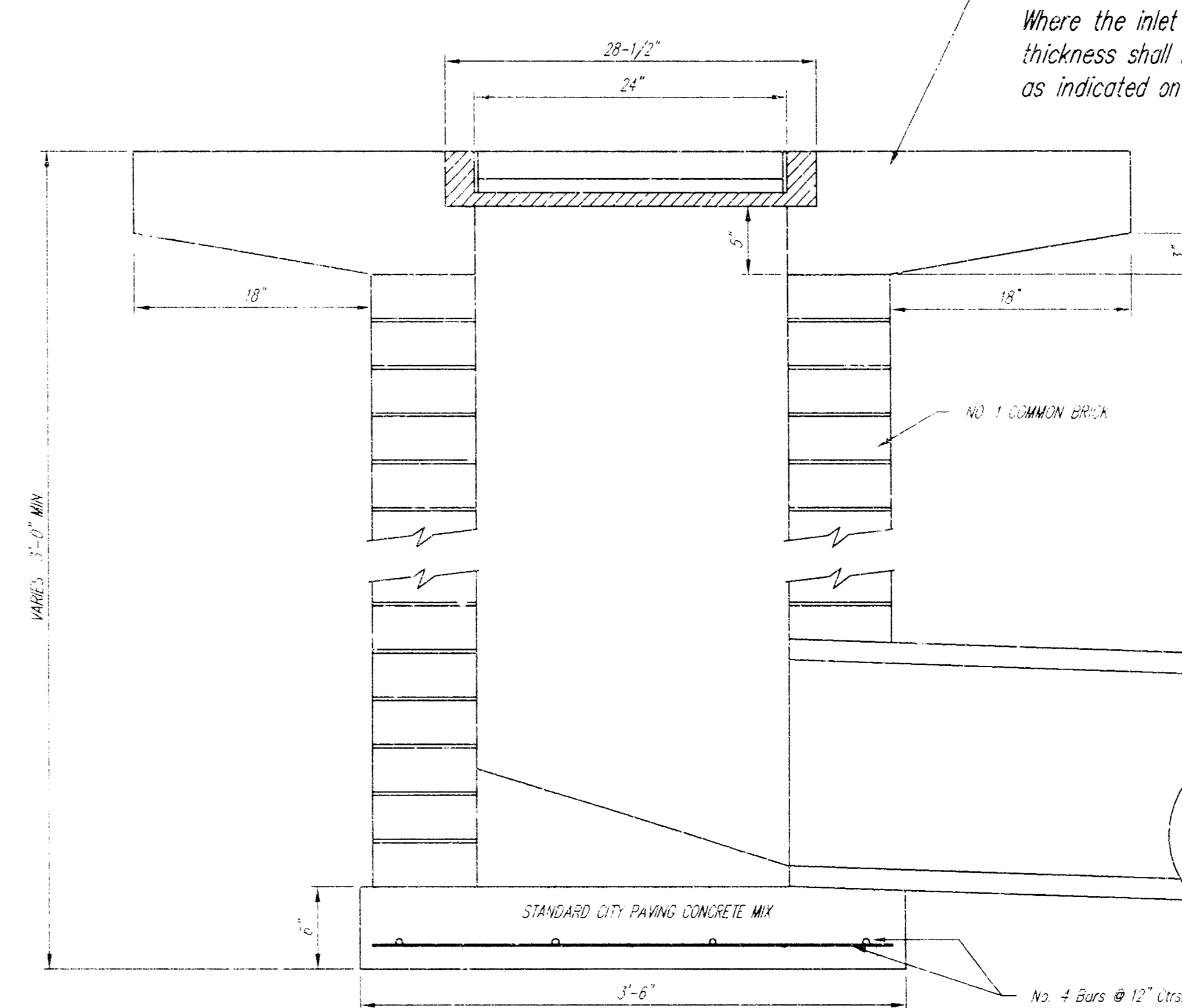


DEETER #2434 FRAME
Requires Two Grates

Double 24" x 24" Frame Detail

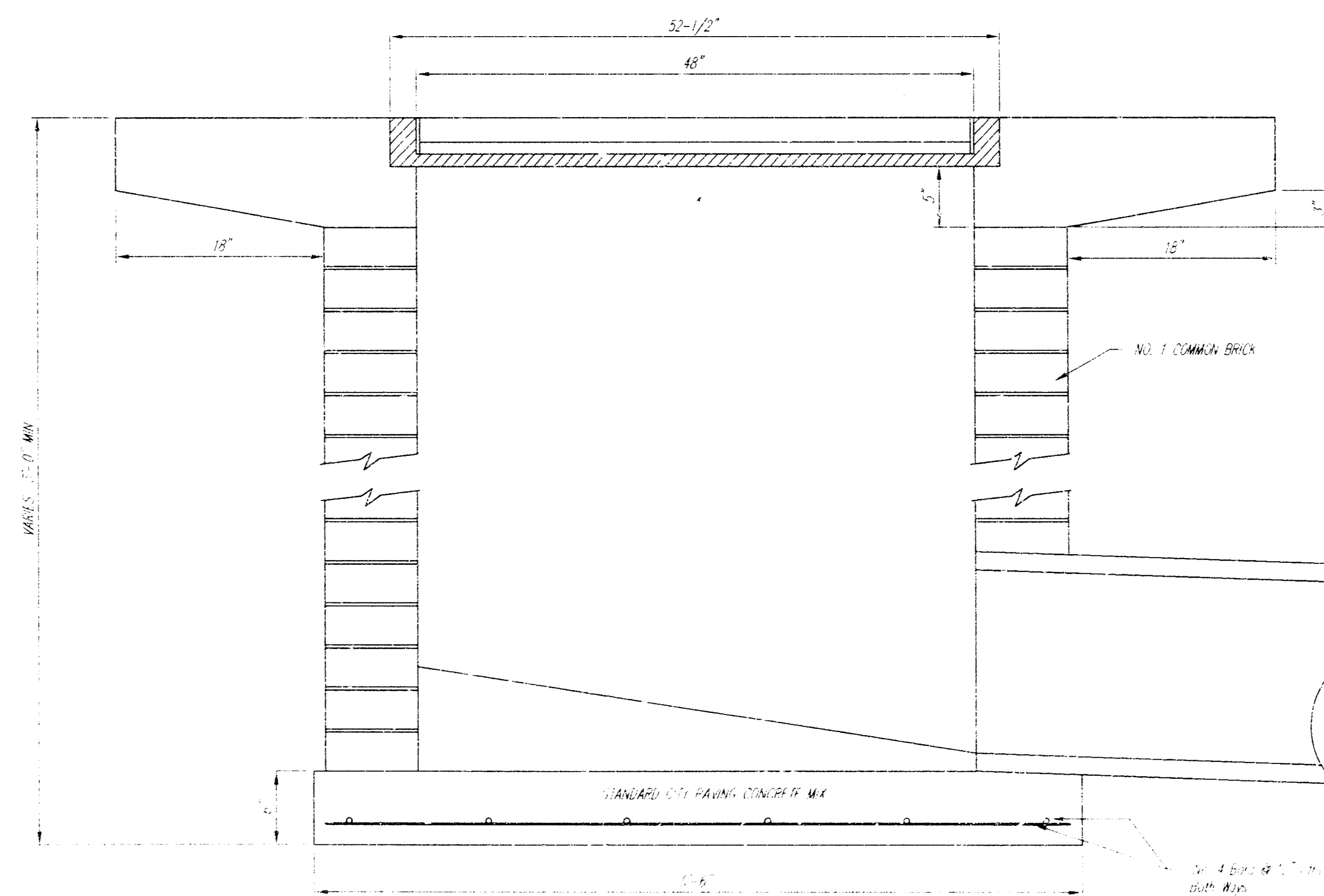


Note: 12" Apron to be used on inlets in this project.



Note: 12" Apron to be used on inlets in this project.

Note: Concrete apron shall be constructed around the inlet when inlet is located in an unpaved area. Where the inlet is adjacent to pavement, the pavement thickness shall be tapered to the inlet in 18 inches as indicated on the detail.



| | | |
|--|-------------------------------------|----------------------|
| <p>THE CITY OF WICHITA</p> <p>CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 420 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 268-4900 (316) 268-4114 FAX</p> | DROP INLET 2'x2' / 2'x4' | |
| | M. E. LINDEBAK P.E. - CITY ENGINEER | |
| | PROJECT NUMBER 872 PPS | INDEX CODE 607861 |
| | DATE MAR 96 | SHEET 2 OF 2 |