

PRIVATE STORM SEWER EXTENSIONS SERVING LOTS 9 & 10, BLOCK 1

AIRPORT INDUSTRIAL PARK ADDITION

766 PPS (607861)

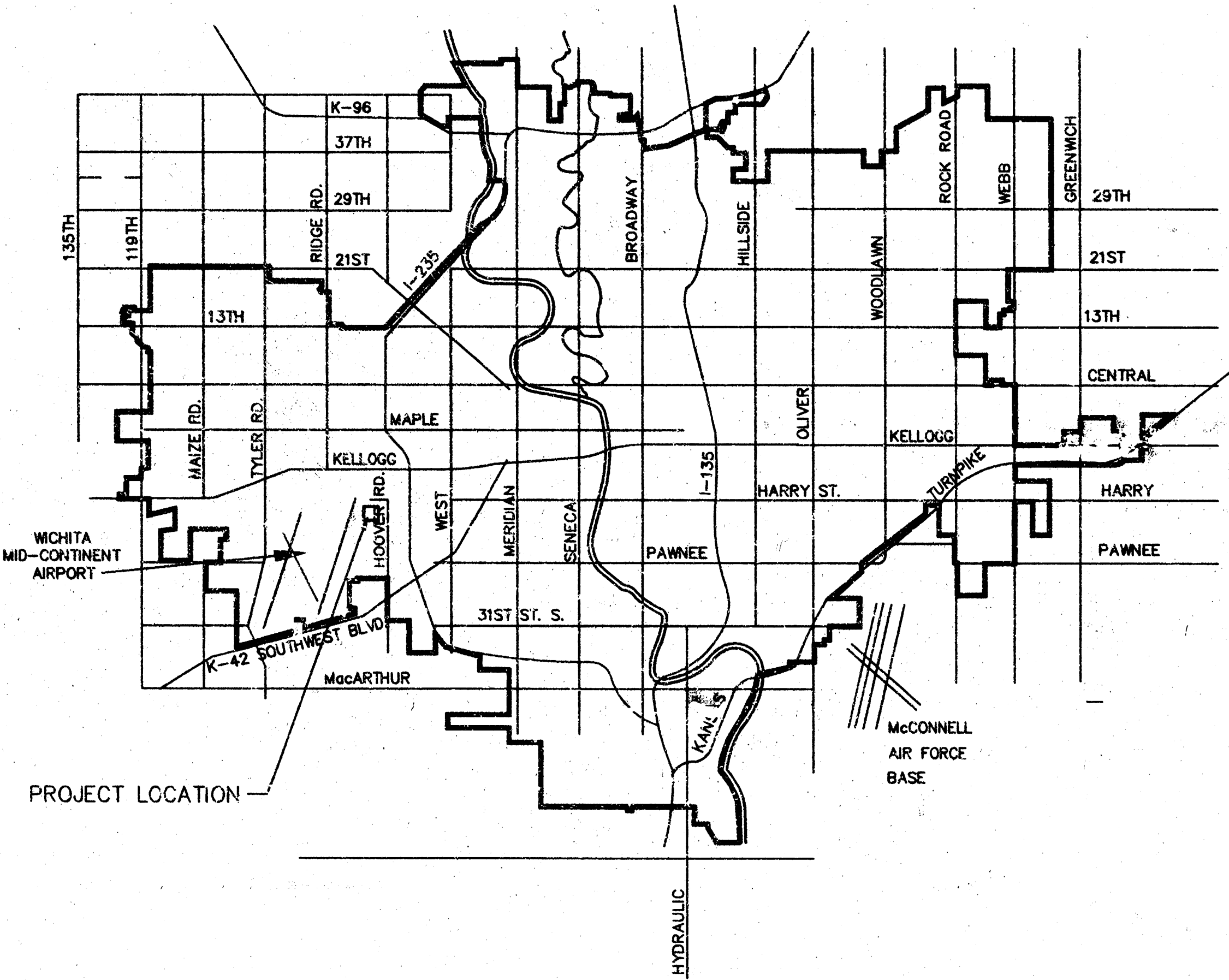
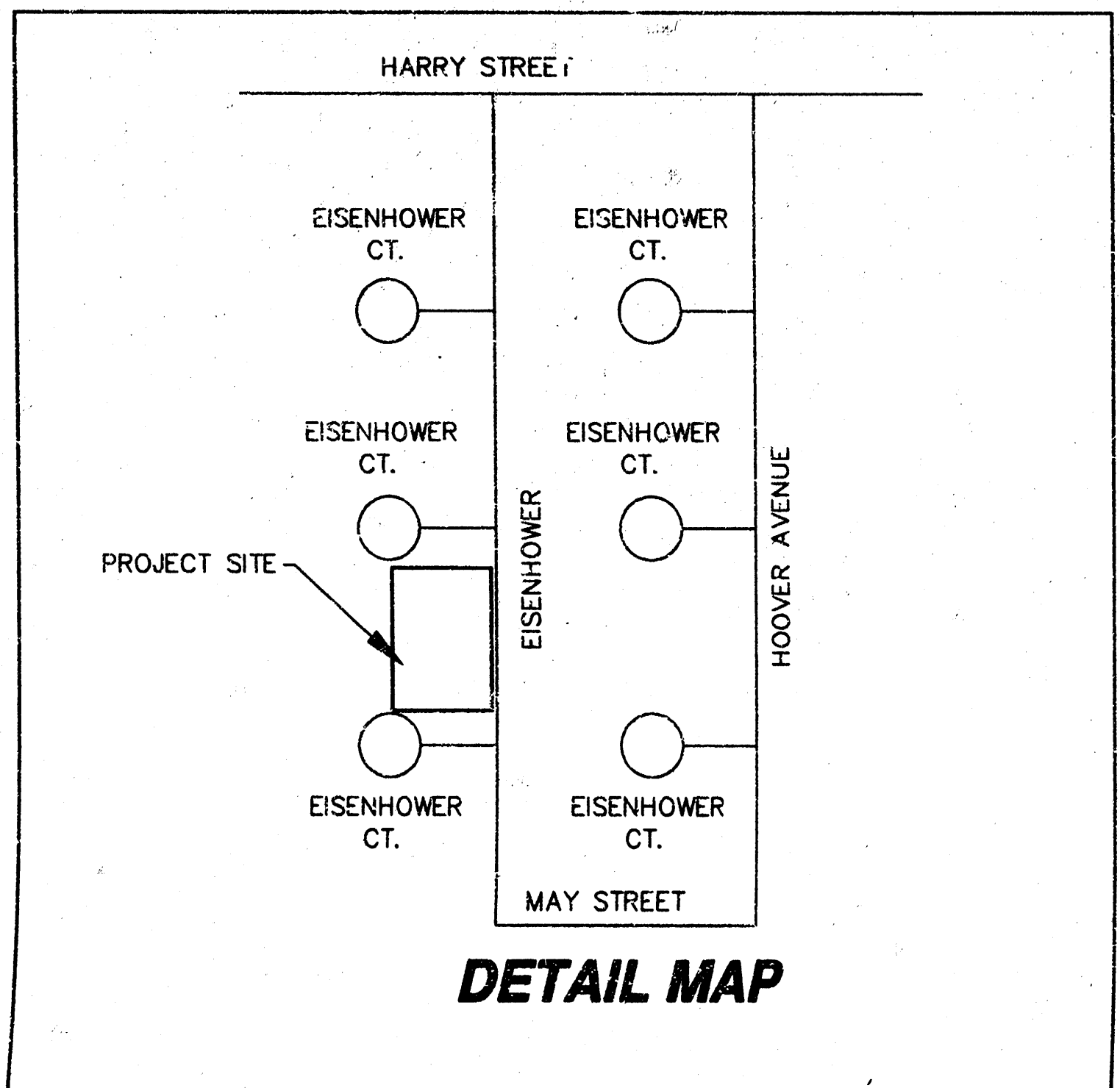
CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER

GENERAL NOTES

1. Contractor will be required to provide a minimum advance notice of forty-eight (48) hours to utility companies prior to starting any excavation as follows:

Kansas One-Call 687-2470
2. All storm sewer and appurtenances shall be installed in accordance with City of Wichita, Kansas, Standard Specifications for Storm Sewer Construction.
3. 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.
4. All areas in Public R/W disturbed by Contractor's operations shall be restored in accordance with City of Wichita Administrative Regulation AR-78.
5. The Contractor shall contact Calvin Brummer w/ KGE @ (316) 832-3119 prior to excavation to coordinate gas main relocation.
6. The Contractor shall contact Greg Sharpe w/ Southwestern Bell @ (316) 268-2245 prior to construction to coordinate phone cable relocation.



VICINITY MAP

As-Built Plans 05/23/2001

Contractor - Smith Const.
Inspector - Tim Kelly, Mike Stump
Inspection Firm - Savoy, Ruggles & Bohm

BUILT PER PLAN

Note: Contractor had to repair pipe due to mud stakes punched through top of pipe. Repairs were made according to pipe manufacturers suggestions, and were inspected. These holes are noticeable when viewing tape, but they will not leak. Signed Mike Stump

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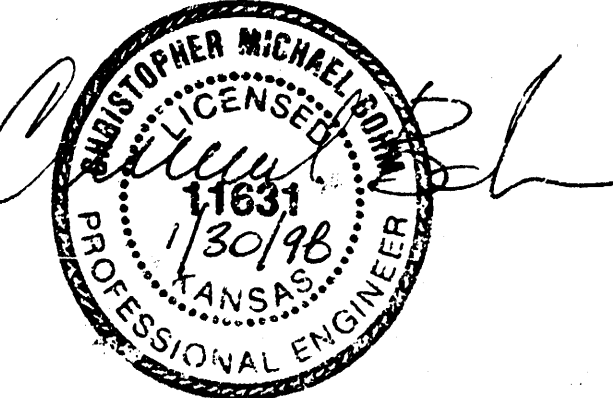
1. TITLE SHEET
- 2 - 3. PLAN/PROFILE
4. DROP INLET DETAILS

BOOKED
9-24-01
MCG
D-518

INSPECTION AND TESTING FOR THIS PROJECT 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 INSPECTIONS, NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 2/2/98
Driveway Approaches _____
Water Mains _____
Paving _____



SRB 824 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008
SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

CAUTION: UNDERGROUND BELL AND KGE GAS LINES. CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO EXCAVATION. CONTRACTOR SHALL ARRANGE TO HAVE LINES RELOCATED AS NECESSARY FOR CONSTRUCTION.

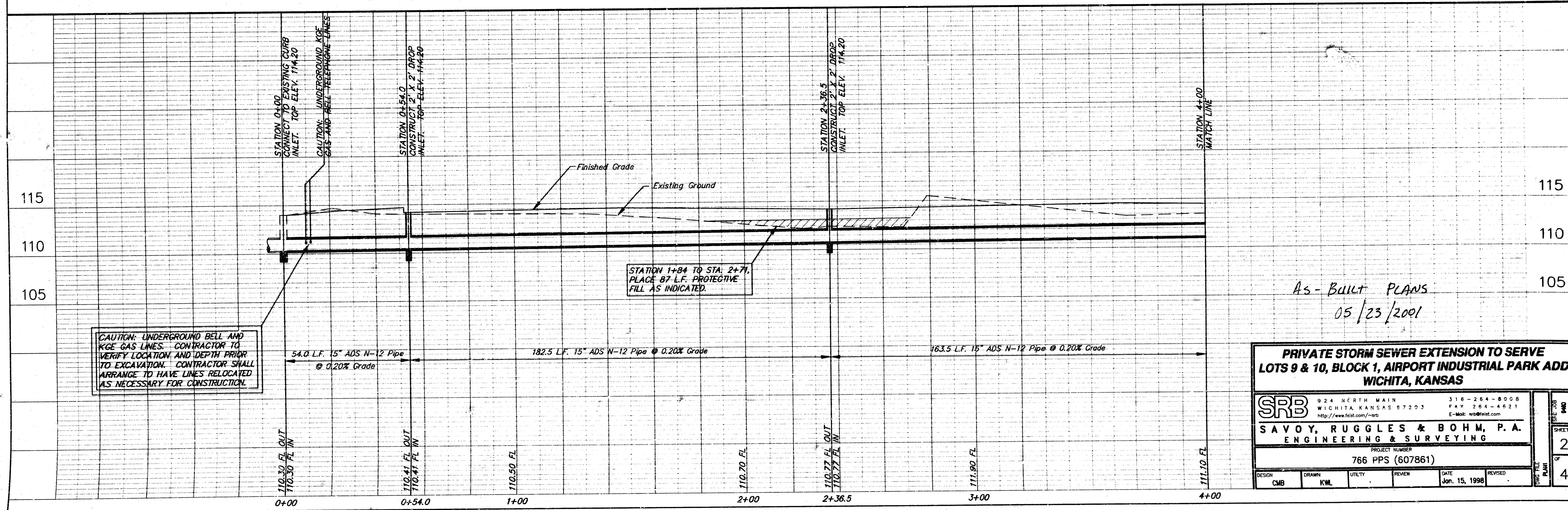
STATION 0+00
CONNECT TO EXISTING BRICK CURB
INLET. RESHAPE INVERT AS
NECESSARY. TOP ELEV. 114.20

STATION 2+36.5
CONSTRUCT 2' X 2' DROP
INLET. TOP ELEV. 114.20

STATION 0+54.0
CONSTRUCT 2' X 2' DROP
INLET. TOP ELEV. 114.20

SRB

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



CAUTION: UNDERGROUND BELL AND KGE GAS LINES. CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO EXCAVATION. CONTRACTOR SHALL ARRANGE TO HAVE LINES RELOCATED AS NECESSARY FOR CONSTRUCTION.

STATION 1+84 TO STA. 2+71,
PLACE 87 L.F. PROTECTIVE
FILL AS INDICATED.

**PRIVATE STORM SEWER EXTENSION TO SERVE
LOTS 9 & 10, BLOCK 1, AIRPORT INDUSTRIAL PARK ADD.
WICHITA, KANSAS**

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
http://www.srb.com/~srb

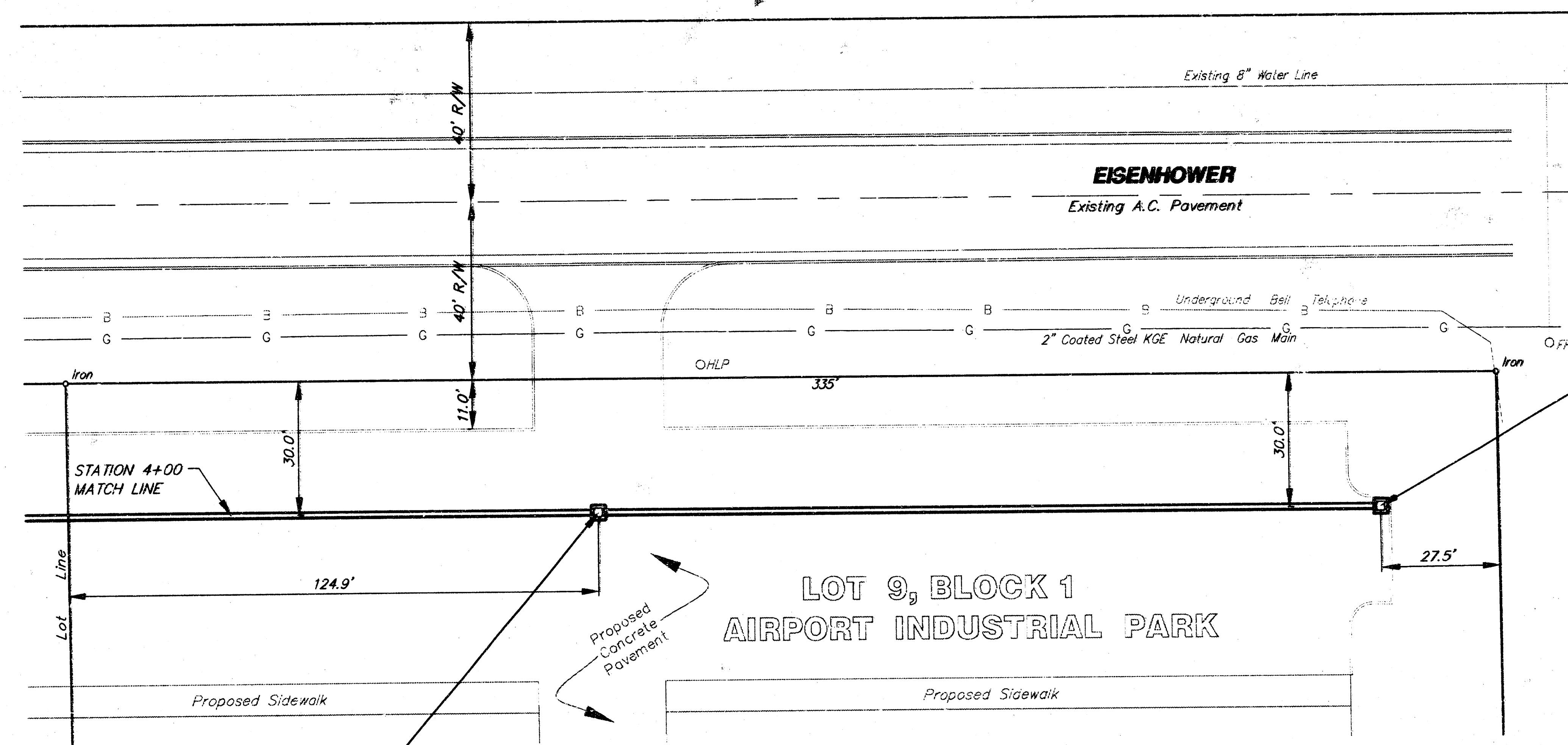
316-264-8008
FAX 264-4621
E-Mail: srb@srb.com

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

PROJECT NUMBER
766 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
CMB	KWL			Jun. 15, 1998	

2 OF 4



DRAINAGE CALCULATIONS

$C_s = 0.76$
 $C_{100} = 0.84$
 $I_s = 4.56 \text{ in/hr}$
 $I_{100} = 7.37 \text{ in/hr}$
 $Q = C * I * A$

INLET @ 4+69.5
 AREA = 0.24 acres
 $Q_s = 0.24(0.76)4.56 = 0.8 \text{ cfs}$
 $Q_{100} = 0.24(0.84)7.37 = 1.5 \text{ cfs}$

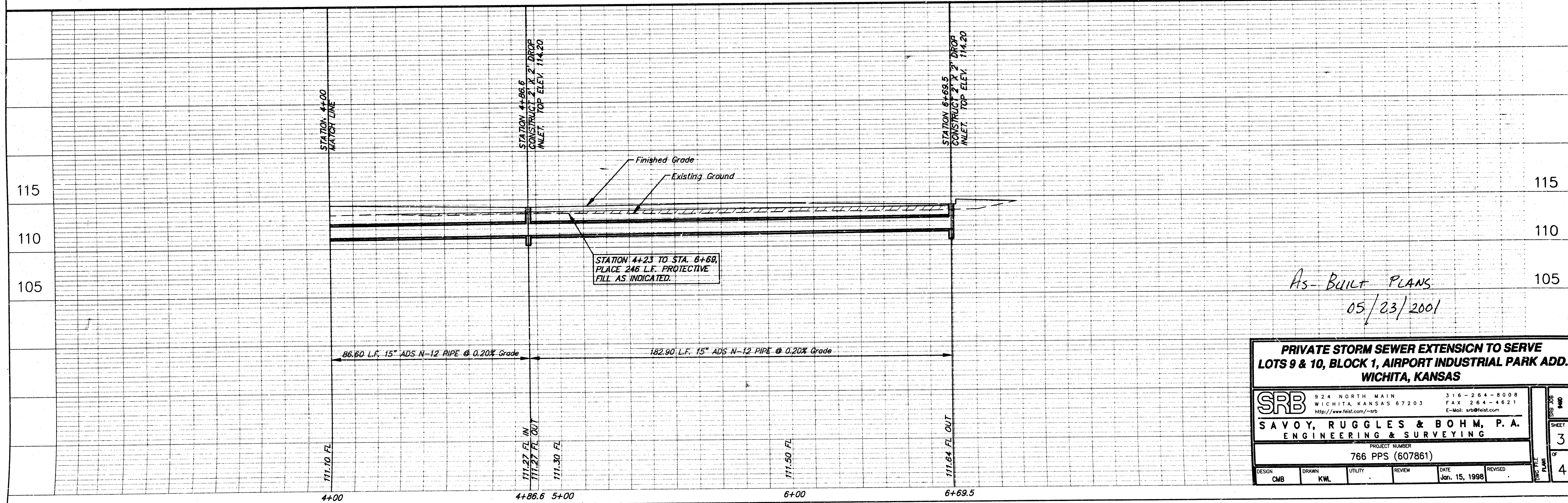
INLET @ 4+86.6
 AREA = 1.26 acres
 $Q_s = 1.26(0.76)4.56 = 4.4 \text{ cfs}$
 $Q_{100} = 1.26(0.84)7.37 = 7.8 \text{ cfs}$

INLET @ 2+36.5
 AREA = 1.51 acres
 $Q_s = 1.51(0.76)4.56 = 5.2 \text{ cfs}$
 $Q_{100} = 1.51(0.84)7.37 = 9.3 \text{ cfs}$

INLET @ 0+54.0
 AREA = 0.24 acres
 $Q_s = 0.24(0.76)4.56 = 0.8 \text{ cfs}$
 $Q_{100} = 0.24(0.84)7.37 = 1.5 \text{ cfs}$

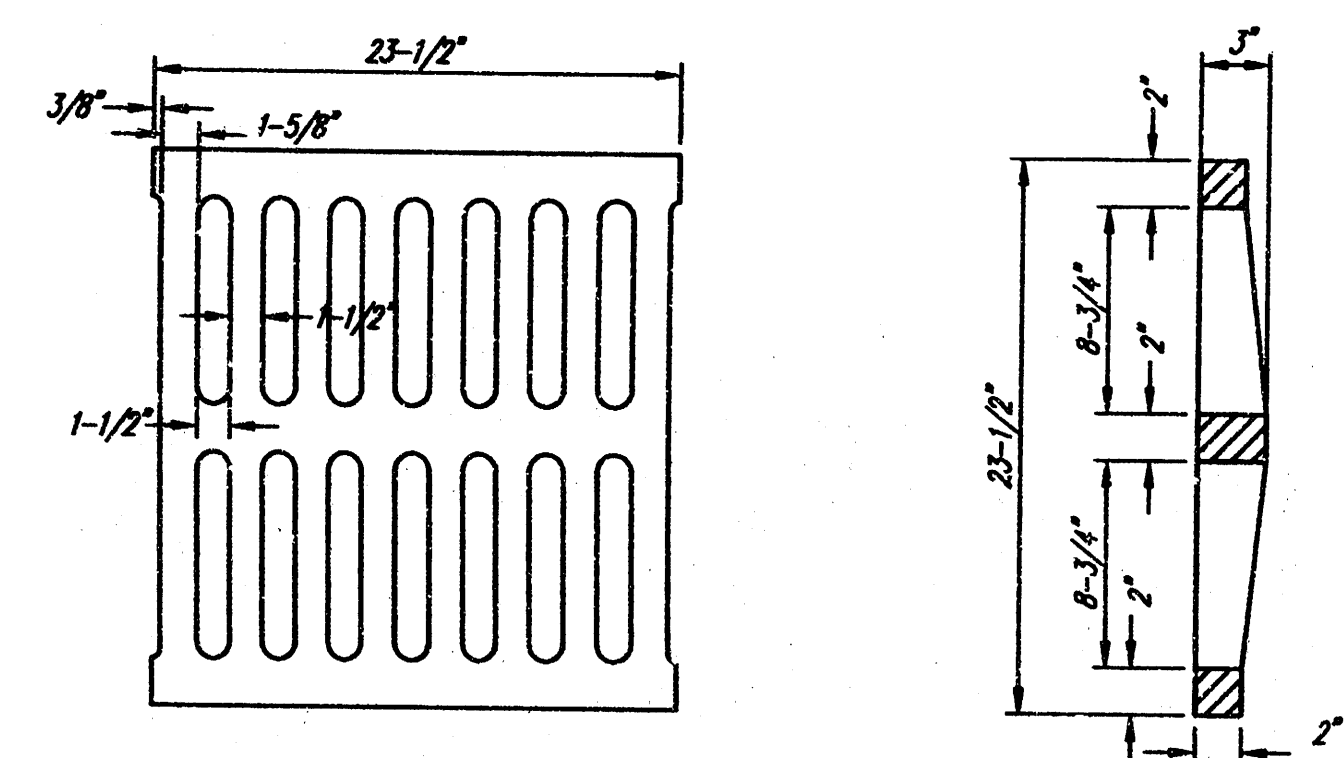
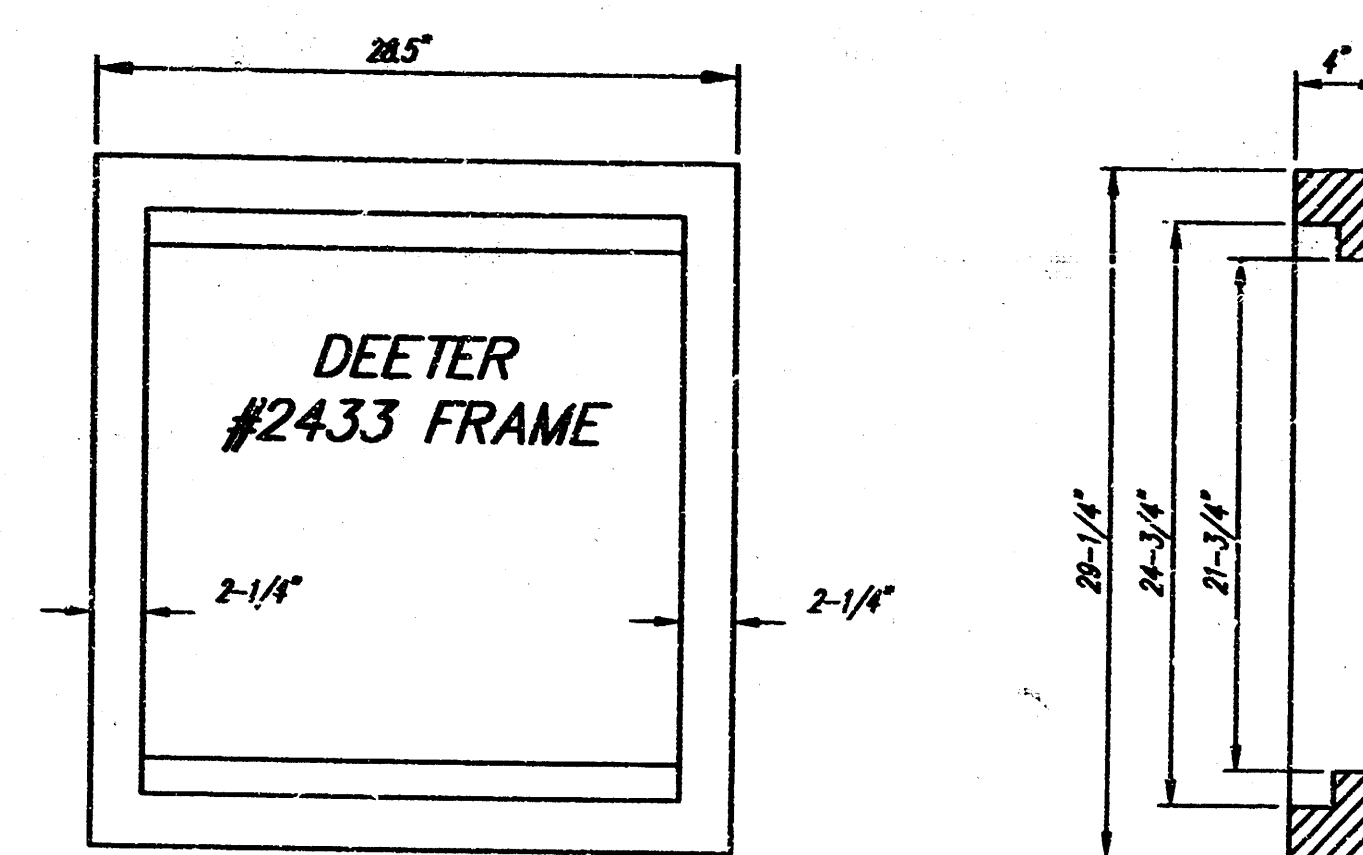


SCALE
 1" = 20' HORIZ. (PLAN)
 1" = 5' VERT. (PROFILE)



As-Built Plans
 05/23/2001

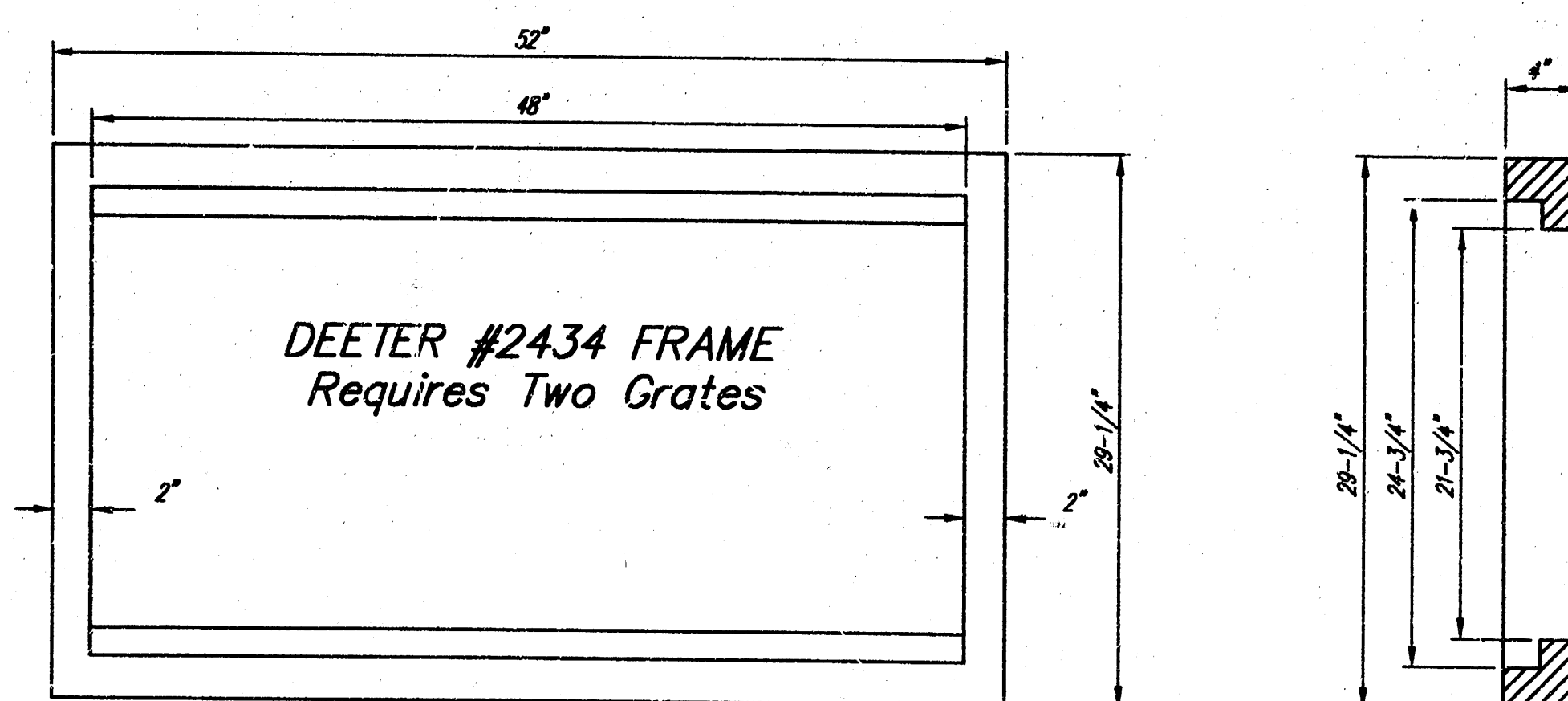
PRIVATE STORM SEWER EXTENSION TO SERVE LOTS 9 & 10, BLOCK 1, AIRPORT INDUSTRIAL PARK ADD. WICHITA, KANSAS					
SRB 924 NORTH MAIN WICHITA, KANSAS 67203 http://www.srb.com/~srb		316-264-8008 FAX 264-4621 E-Mail: srb@srb.com		SHEET 3 OF 4	
SAVOY, RUGGLES & BOHM, P. A. ENGINEERING & SURVEYING					
PROJECT NUMBER 766 PPS (607861)					
DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
CMB	KWL			Jan. 15, 1998	



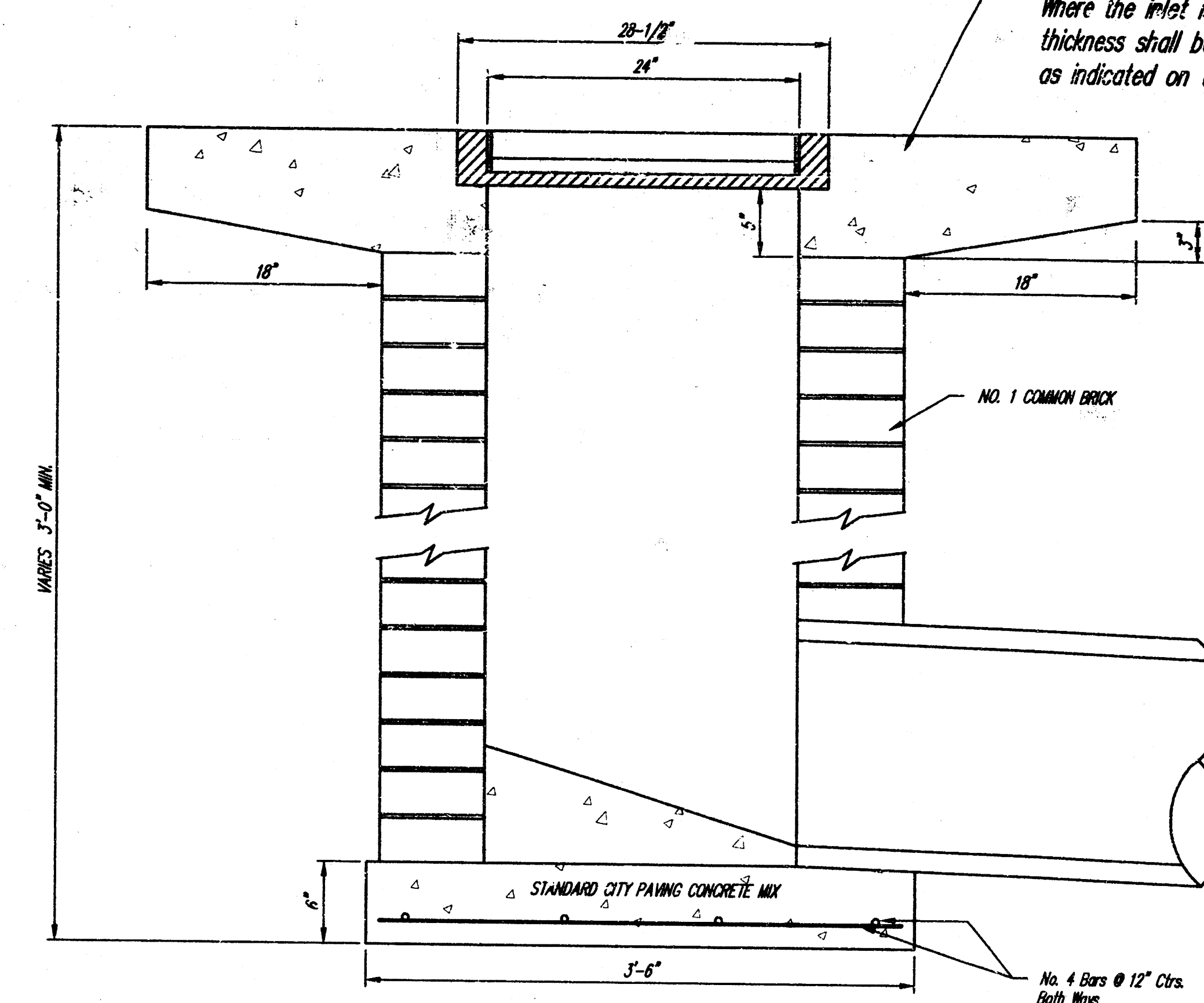
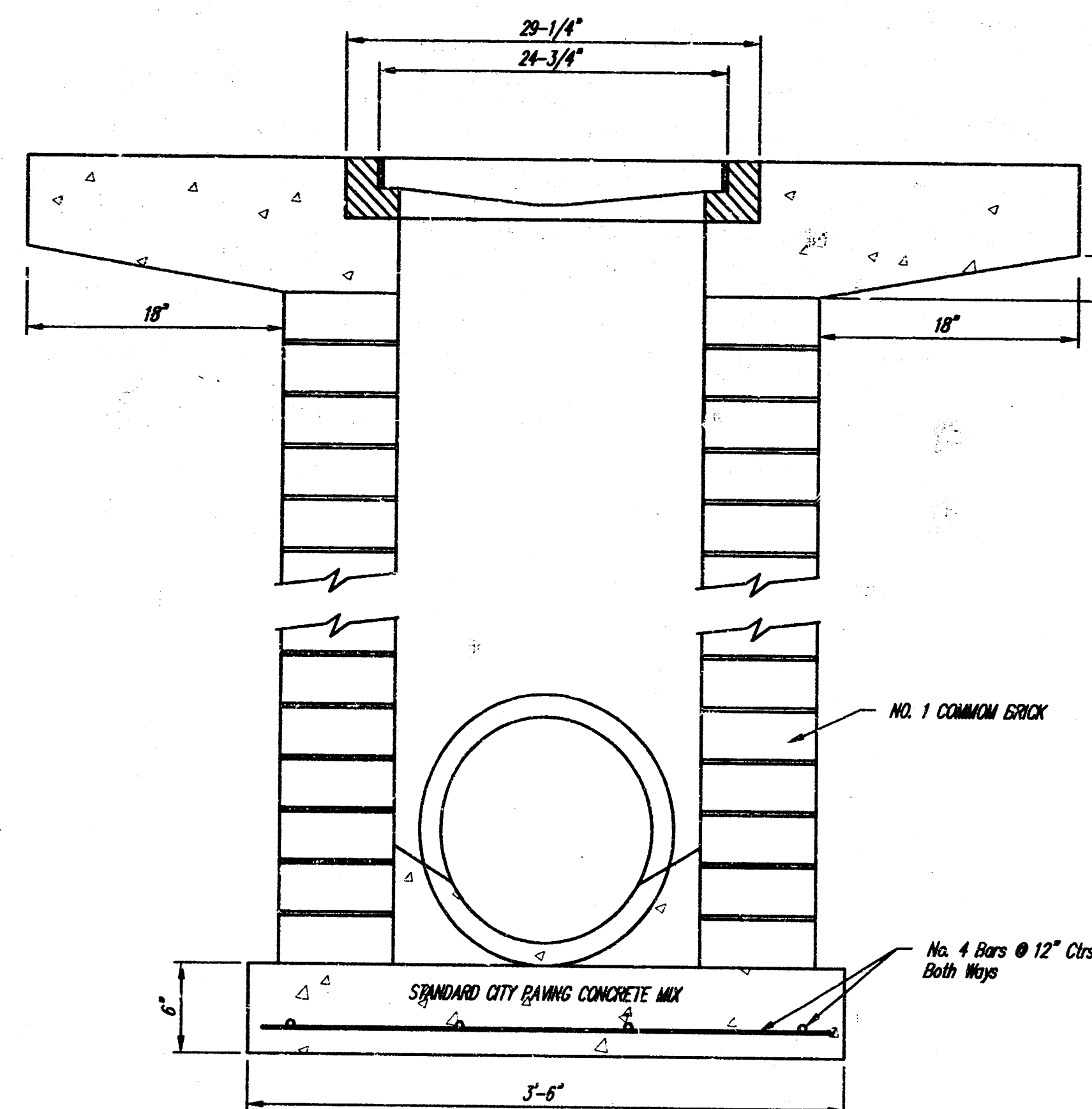
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

DEETER #2433 GRATE

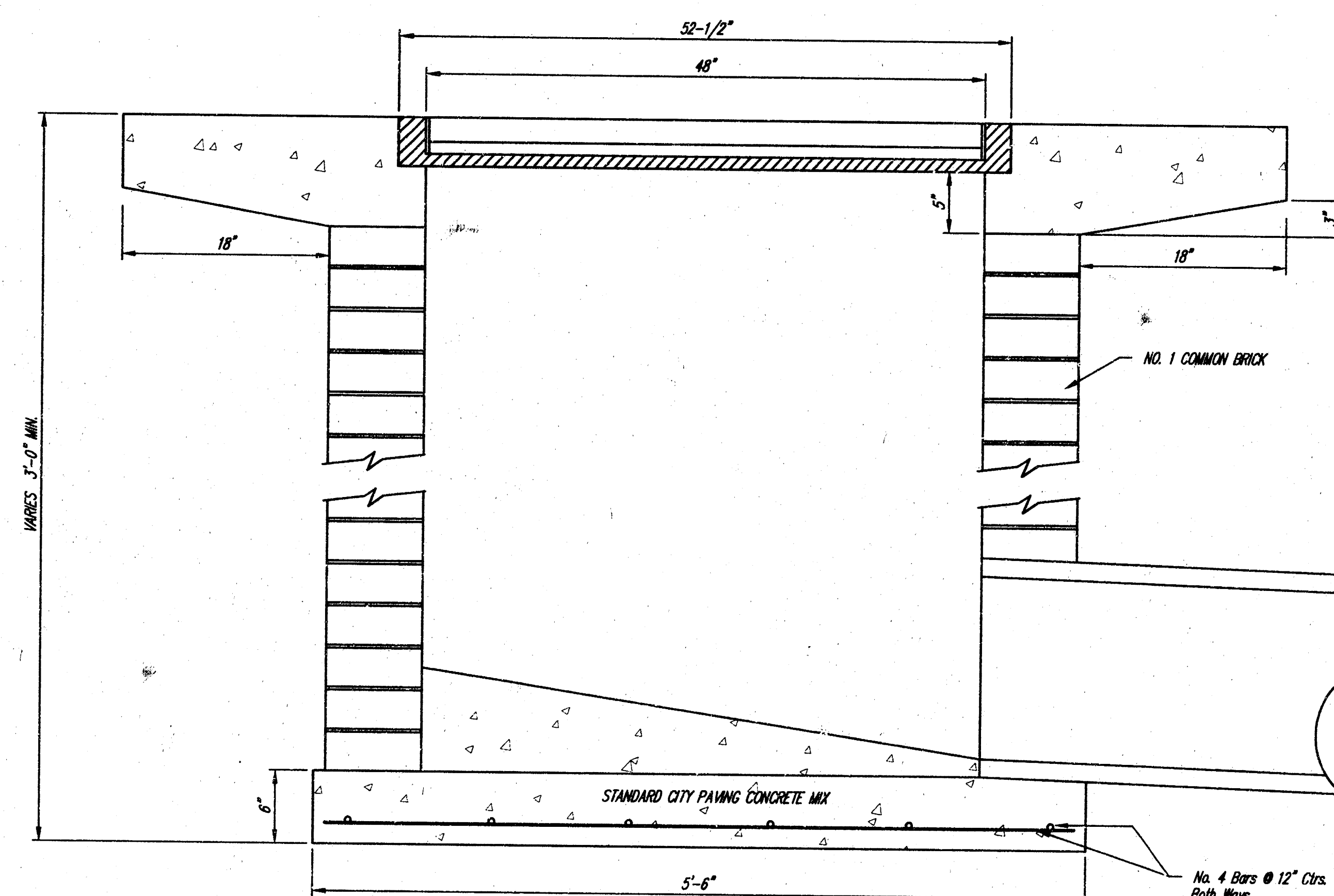
24" x 24" Frame and Grate Detail



Double 24" x 24" Frame Detail



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.



THE CITY OF WICHITA CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 268-4500 (316) 268-4114 FAX	DROP INLET 2'x2' / 2'x4'	
	M. E. LINDEBAK P.E. - CITY ENGINEER	
	PROJECT NUMBER 766 PPS	INDEX CODE 607861
	DATE MAR 96	SHEET 4 OF 4

10 03 04 06