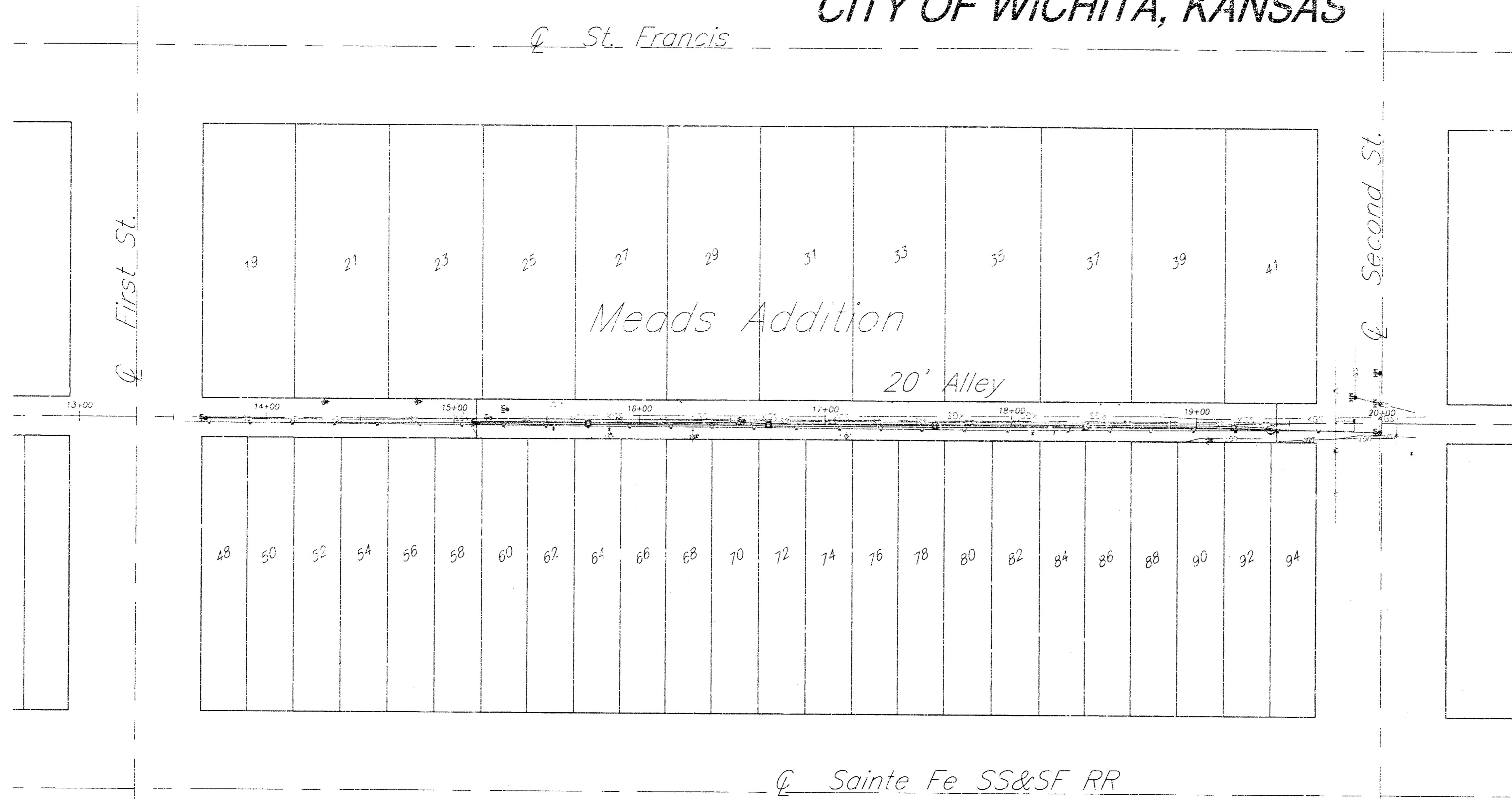


**INDEX OF SHEETS**

1	Cover Sheet
2	Plan and Profile Sheet
3	Shallow Manhole Detail
4	Drop Inlet Detail

**STORM SEWER SYSTEM IMPROVEMENTS TO SERVE  
COLEMAN WAREHOUSE**  
Alley East of St. Francis, North of 1st St.  
and South of 2nd St., Mead Addition  
1350 PPS(607861)  
CITY OF WICHITA, KANSAS

**GENERAL NOTES**



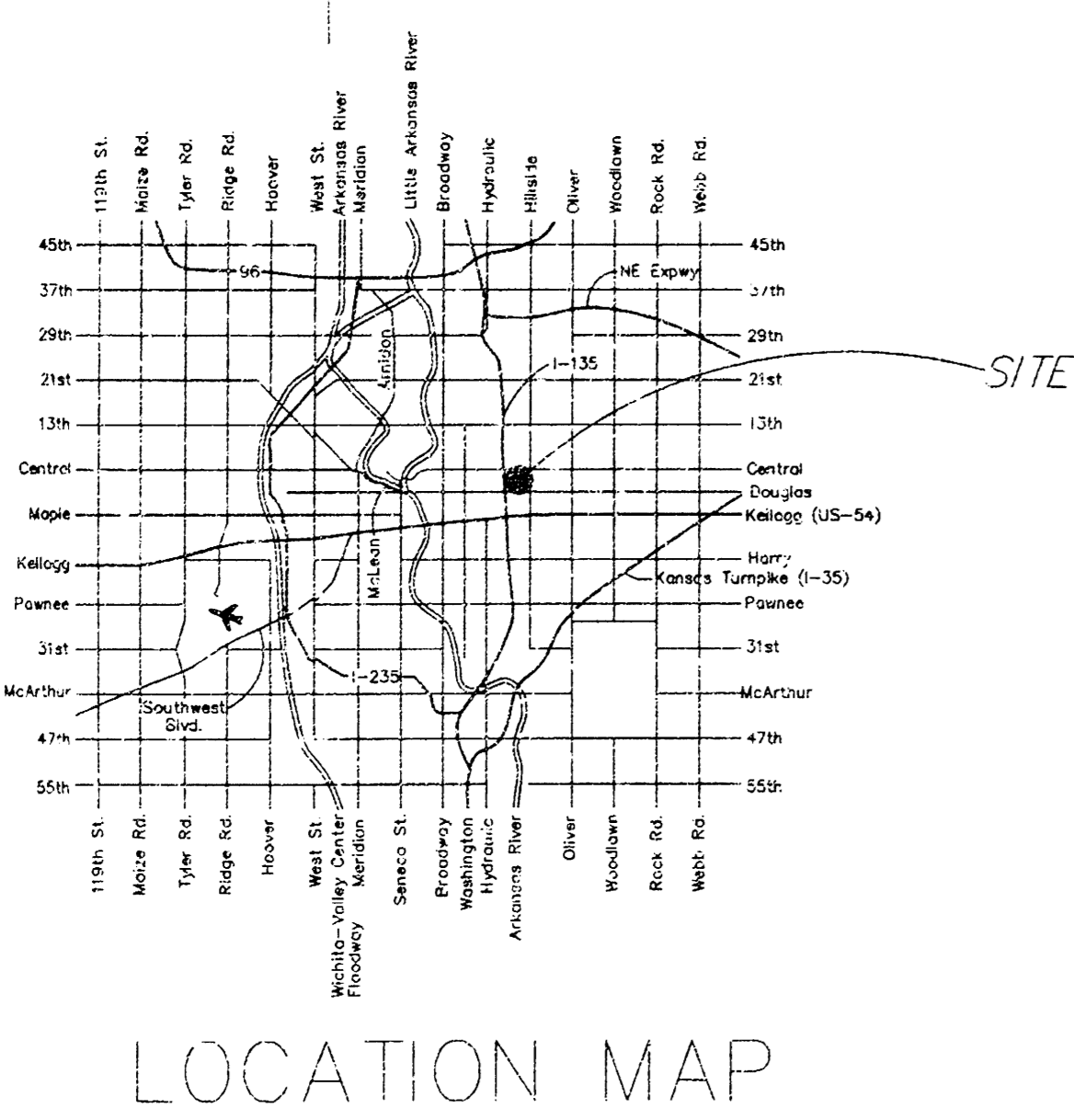
- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:  

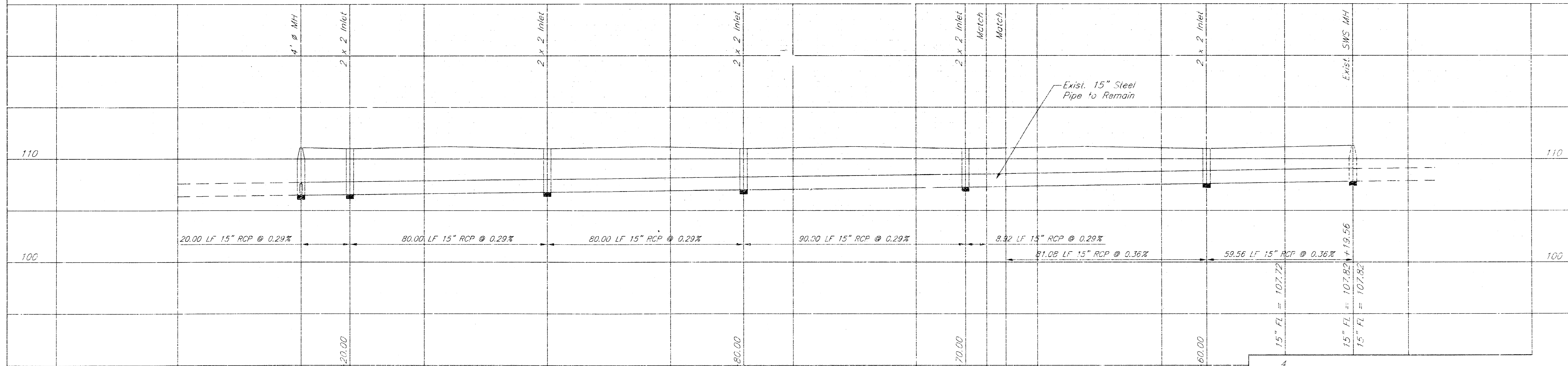
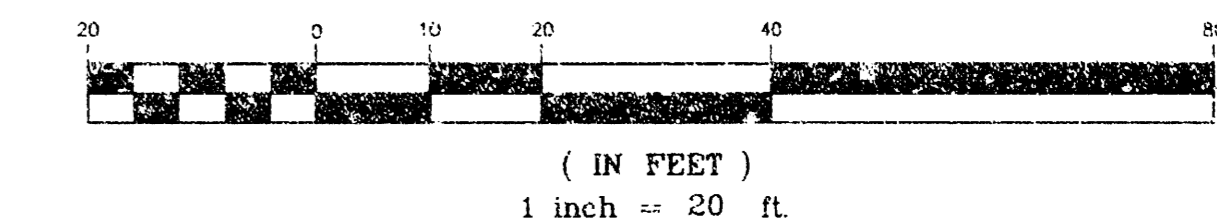
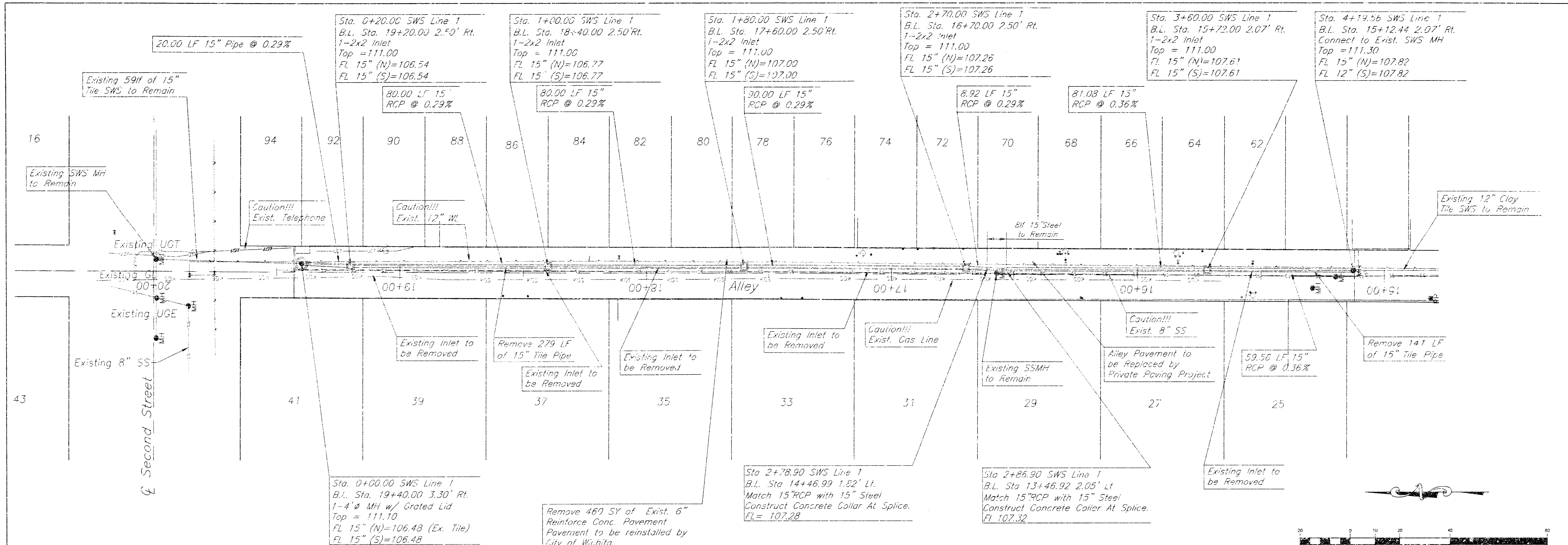
Kansas One-Call	687-2470
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The Contractor must notify the following in case of an emergency:

Cox Communications	262-4270
or	263-2061
Westar Energy/	
Kansas Gas & Electric Company	383-8600
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Department	268-4071
Aquila Natural Gas	942-8811
or	1-800-303-0357
- Exist. utilities and their locations, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company-provided field locations. The Contractor will be required to work around existing utilities which do not conflict with proposed construction.
- The Contractor to verify utility locations prior to construction of this project.
- Utility service and installation shall be coordinated with the respective utility owners. Contacts are:  

Kansas Gas Service	James Stoltz	831-3122
Weststar Energy	Shane Price	261-6251
Aquila Networks Gas	John Stark	942-8811
Wichita Water	Paul Bryant	268-4555
	Steve Palmer	268-4908
Southwestern Bell	Jim Tobin	268-2759
Cox Communications	Mark Anaya	262-4270
- All lawn/turf areas disturbed by construction of proposed improvements shall be restored with sod. All sodding work shall be in accordance with the City of Wichita standard specifications and the City of Wichita administrative regulation No. AR78 which governs cleanup and replacement following construction. All costs for this work shall be subsidiary to the lump sum price bid for "Site Restoration."
- Traffic affected by the construction of this project shall be handled in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.
- All commercial signs to be moved by others prior to construction.
- Properties within the project may have underground irrigation systems (lawn sprinklers) which conflict with new construction. Contractor shall remove such components as needed during construction of the project. The irrigation system shall be reinstalled in like kind before project completion. Any irrigation system modifications required because of project improvements shall be coordinated with the property owner. Portions of underground irrigation systems not in conflict with new construction shall be protected from damage and shall remain in place. All work related to underground irrigations/sprinklers shall be subsidiary to Site Restoration.





Sta. 0+20.00 SWS Line 1  
B.L. Sta. 19+20.00 2.50' Rt.  
1-2x2 Inlet  
Top = 111.00  
FL 15" (N)=106.54  
FL 15" (S)=106.54

Sta. 1+00.00 SWS Line 1  
B.L. Sta. 18+40.00 2.50' Rt.  
1-2x2 Inlet  
Top = 111.00  
FL 15" (N)=106.77  
FL 15" (S)=106.77

Sta. 1+80.00 SWS Line 1  
B.L. Sta. 17+60.00 2.50' Rt.  
1-2x2 Inlet  
Top = 111.00  
FL 15" (N)=107.00  
FL 15" (S)=107.00

Sta. 2+70.00 SWS Line 1  
B.L. Sta. 16+70.00 2.50' Rt.  
1-2x2 Inlet  
Top = 111.00  
FL 15" (N)=107.26  
FL 15" (S)=107.26

Sta. 3+60.00 SWS Line 1  
B.L. Sta. 15+72.00 2.07' Rt.  
1-2x2 Inlet  
Top = 111.00  
FL 15" (N)=107.61  
FL 15" (S)=107.61

Sta. 4+14.56 SWS Line 1  
B.L. Sta. 15+12.44 2.07' Rt.  
Connect to Exist. SWS MH  
Top = 111.30  
FL 15" (N)=107.82  
FL 12" (S)=107.82

Sta. 0+00.00 SWS Line 1  
B.L. Sta. 19+40.00 3.30' Rt.  
1-4" MH w/ Grated Lid  
Top = 111.10  
FL 15" (N)=106.48 (Ex. Tile)  
FL 15" (S)=106.48

Remove 467 SY of Exist. 6" Reinforce Conc. Pavement to be reinstalled by City of Wichita.

Sta. 2+78.90 SWS Line 1  
B.L. Sta. 14+46.99 1.82' Lt.  
Match 15" RCP with 15" Steel  
Construct Concrete Collar At Splice.  
FL = 107.28

Sta. 2+86.90 SWS Line 1  
B.L. Sta. 13+46.92 2.05' Lt.  
Match 15" RCP with 15" Steel  
Construct Concrete Collar At Splice.  
FL 107.32

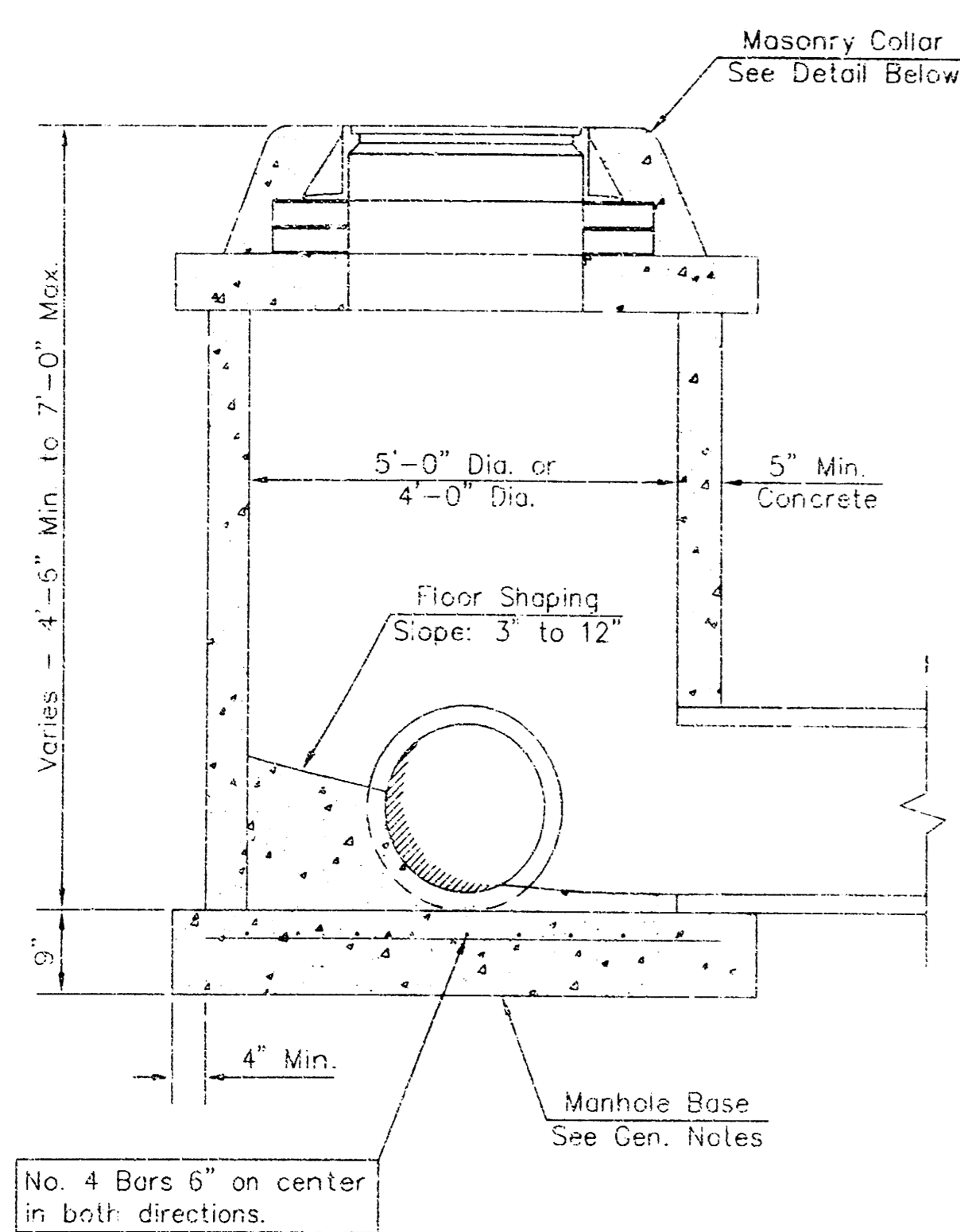
Coleman Storm Sewer Replacement  
**Storm Sewer Line**  
Wichita, KS

PROJECT NUMBER  
1350 PPS(607861)

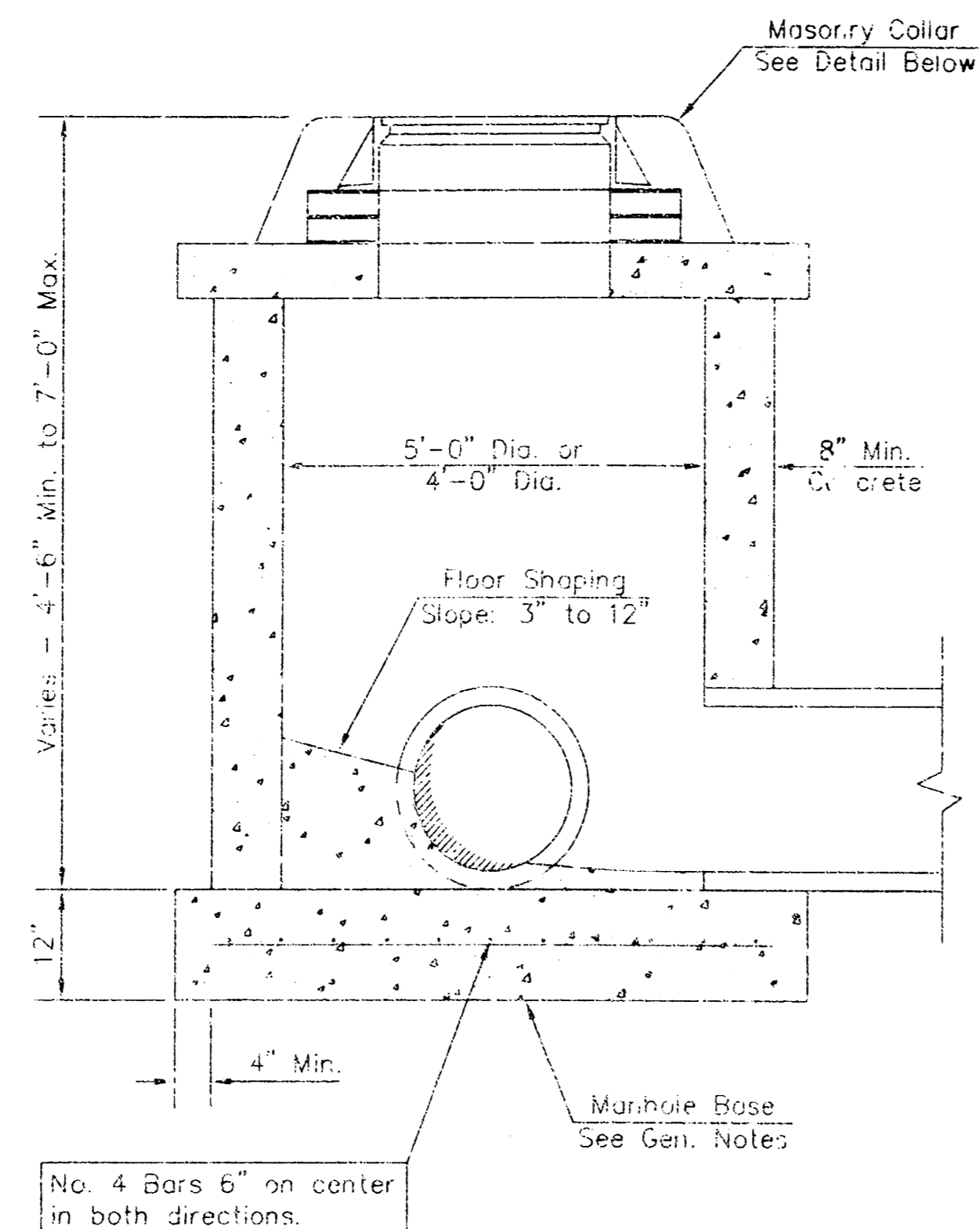
**miller**

KEY NO. 63047	FILE pps1	DATE 6/03	SHEET 2
DESIGN PBI	DRAWN TO	REVISED 7/25/03	OF 4

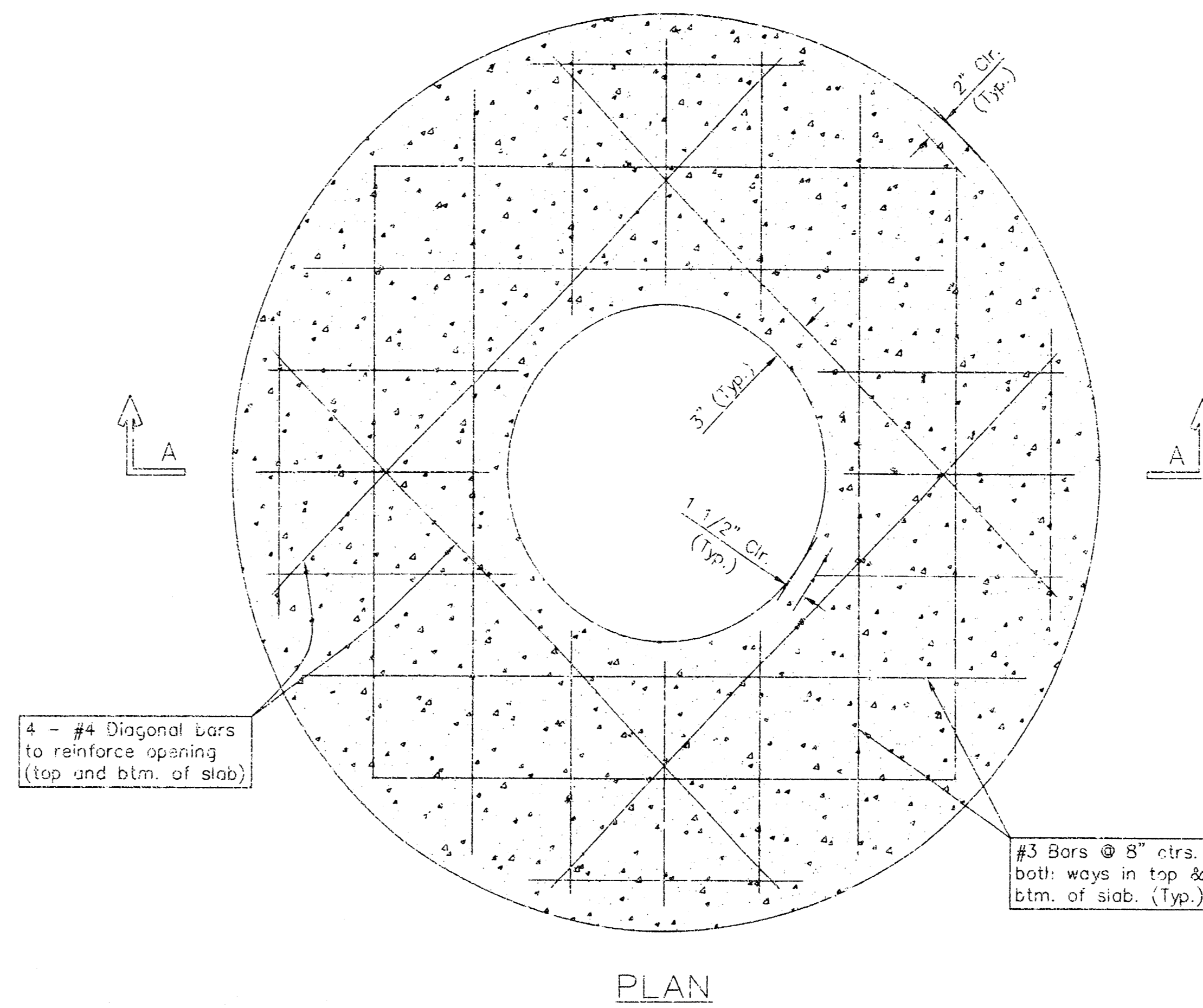
16 S Market, Wichita, KS 67202 316/264-0242



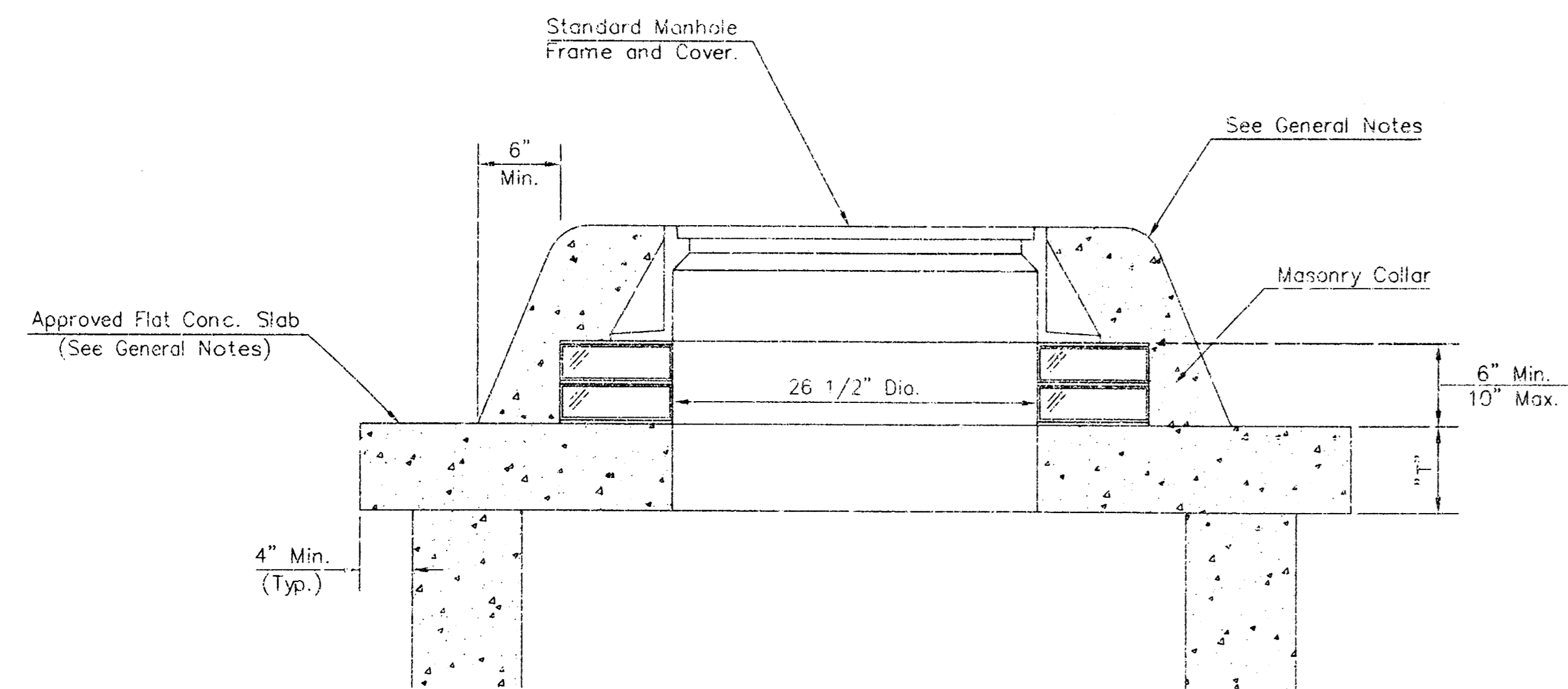
SHALLOW TYPE "P" MANHOLE



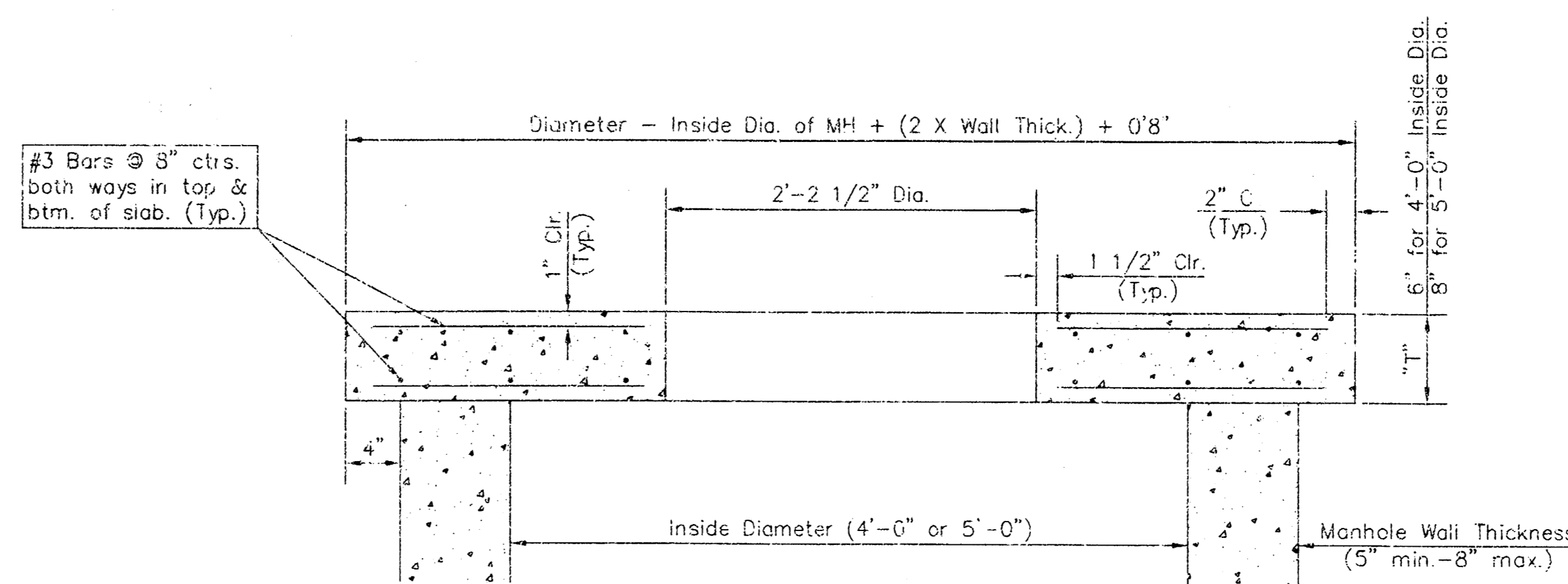
SHALLOW TYPE "C" MANHOLE



PLAN



MASONRY COLLAR DETAIL

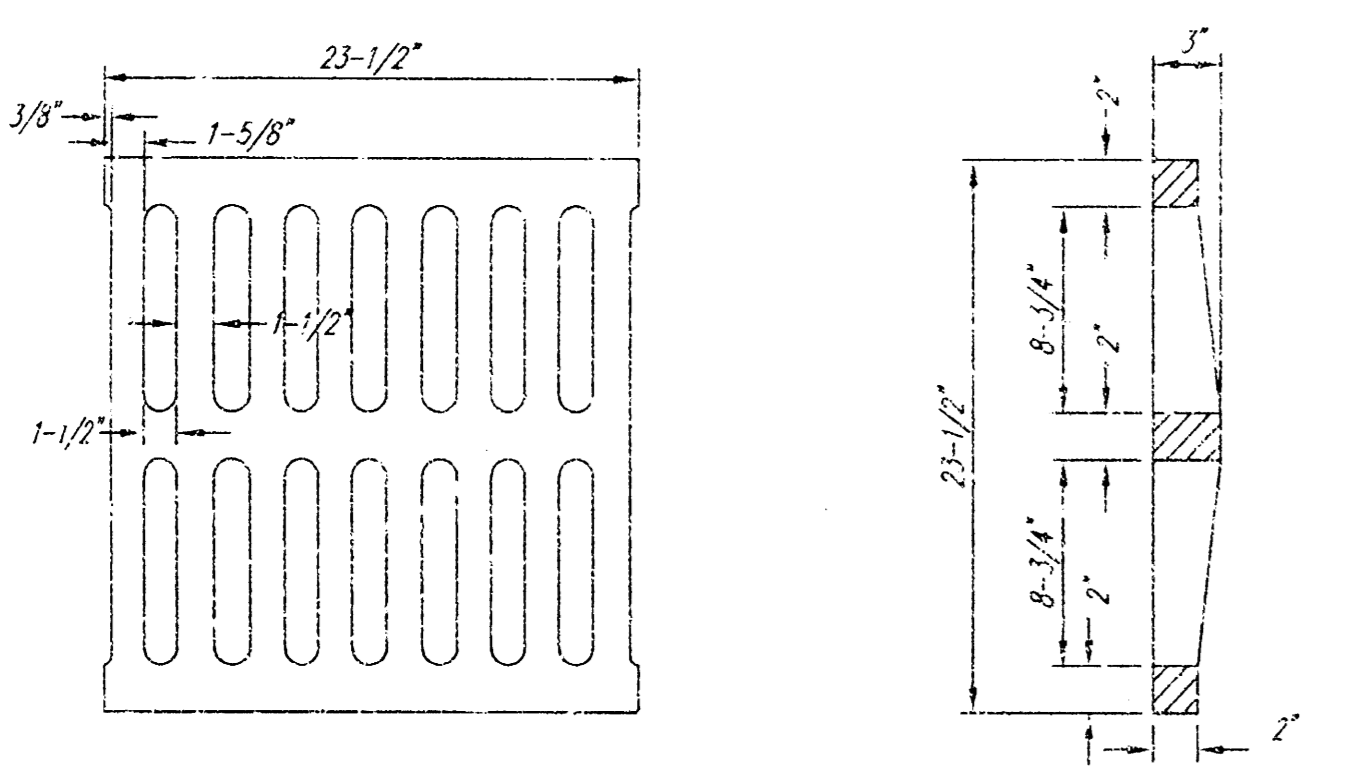
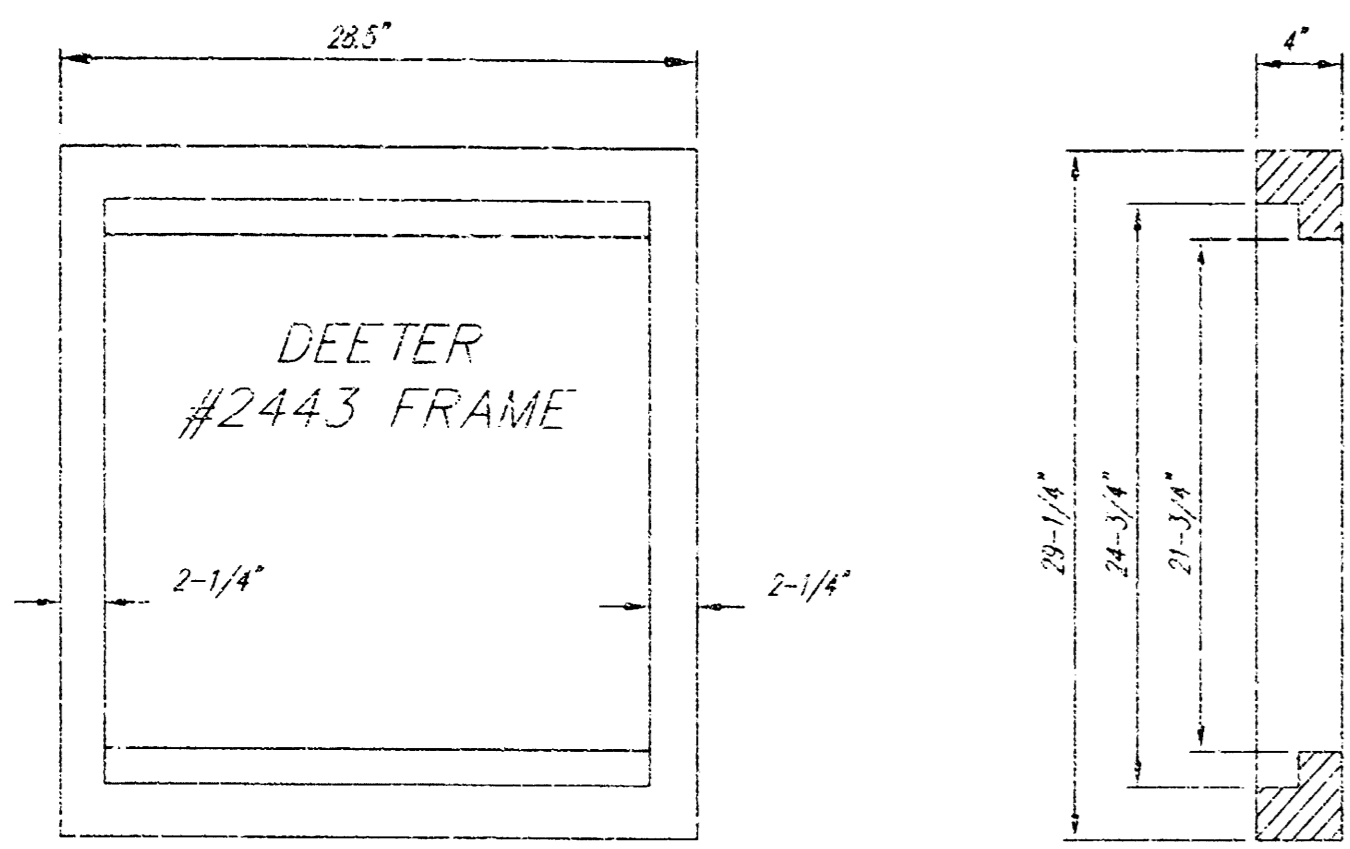


SECTION A-A  
FLAT CONCRETE SLAB DETAILS

GENERAL NOTES

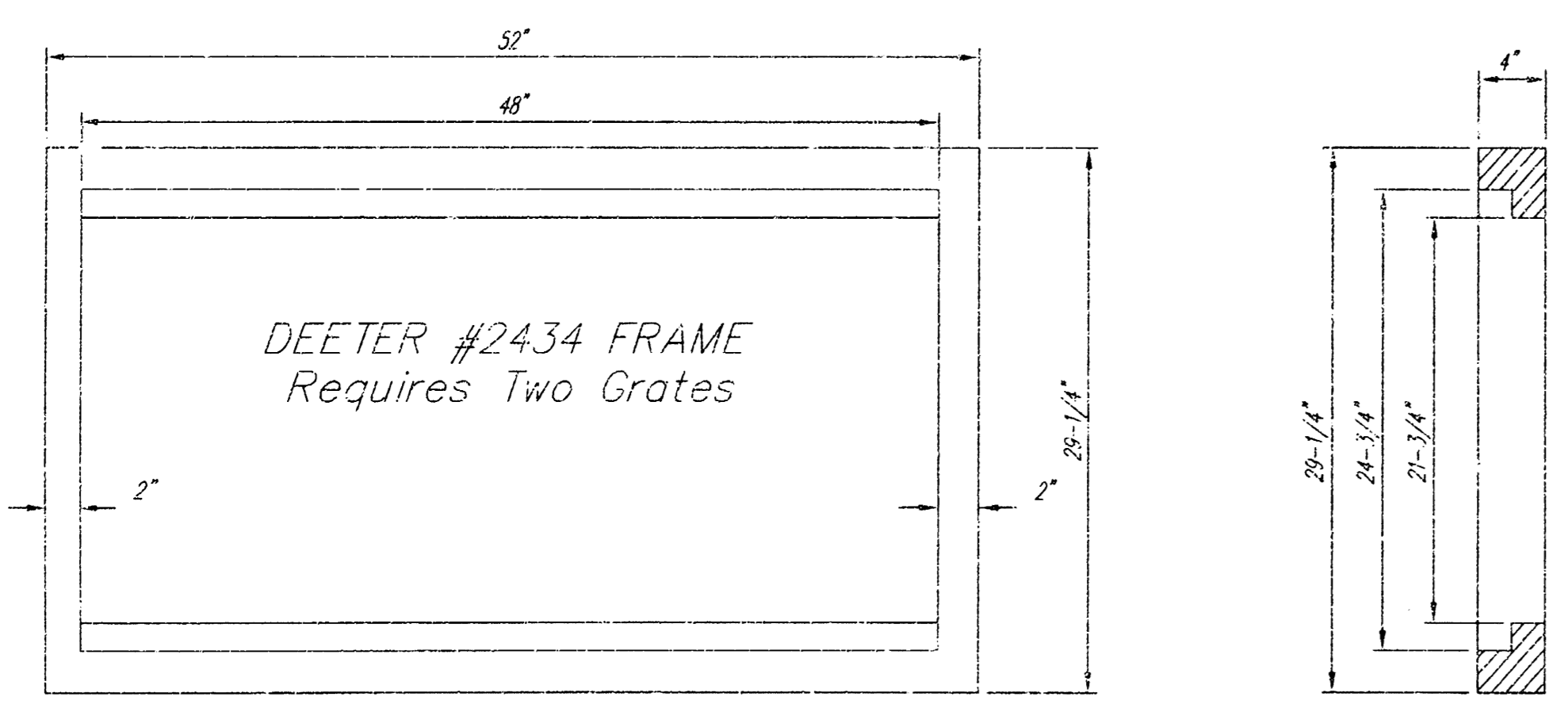
- Mortar used in masonry construction shall contain 8 sacks of cement per cubic yard. Concrete used in manhole bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standard paving specifications using city concrete cement mix without air entraining admixture. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Manholes constructed where pipe sizes are smaller than 24" shall have an inside diameter of 4". Manholes constructed where pipe sizes are 24" or larger shall have an inside diameter of 5". Completed manhole shall be without leaks and water tight.
- Reinforcing steel shall be installed in the manhole bases and shall consist of no. 4 bars placed on 6" centers in both directions. The manhole base reinforcement shall be placed 6" above the bottom of the manhole base. All costs for furnishing and installing reinforcing steel shall be included in the unit price bid for the manhole.
- The floors of all manholes shall be shaped with flow channels such that the manholes will be self cleaning and free of areas where solids could be deposited as sewage flows through the manhole from all inlet pipes to the outlet pipe. Flow channels shall be formed to match the bottom halves of the inflowing pipes and the outflowing pipe as shown by the drawings. Manhole floors shall have a slope of 3 inches per foot in the areas outside of the flow channels sloped toward the flow channels. Pipes laid through manholes shall have the top half removed to neat lines for the full inside diameter of the manhole. Manhole floors shall then be shaped around the bottom half of the pipe which forms the flow channel.
- Pipes installed within the excavation made for the manhole shall be cradled with concrete to the limits of the manhole excavation. When clay pipe is used, the cradle shall extend to the first joint outside the manhole. The cradle shall be terminated at the clay pipe joint in a manner which will maintain the flexibility of the joint. Cost of cradle within manhole excavation or to clay pipe joints adjacent to manhole shall be included in the unit price bid for the manhole.
- Manhole cover castings and manhole frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawings.
- The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
- Standard shallow manholes type "P" and "C" shall be paid for at the unit price bid per each for the type and diameter indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
- All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.

<p>THE CITY OF WICHITA</p> <p>CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 424 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 268-4300 (316) 268-4114 FAX</p>	SHALLOW MANHOLES	
	TYPE 'P' & 'C'	
	Nail D. Cable, P.E., City Engineer	
	FILE NAME	NEW PROJ
Shallow MH TypeP&C	03047	
DATE	SHEET 3 OF 4	
MAR 96		



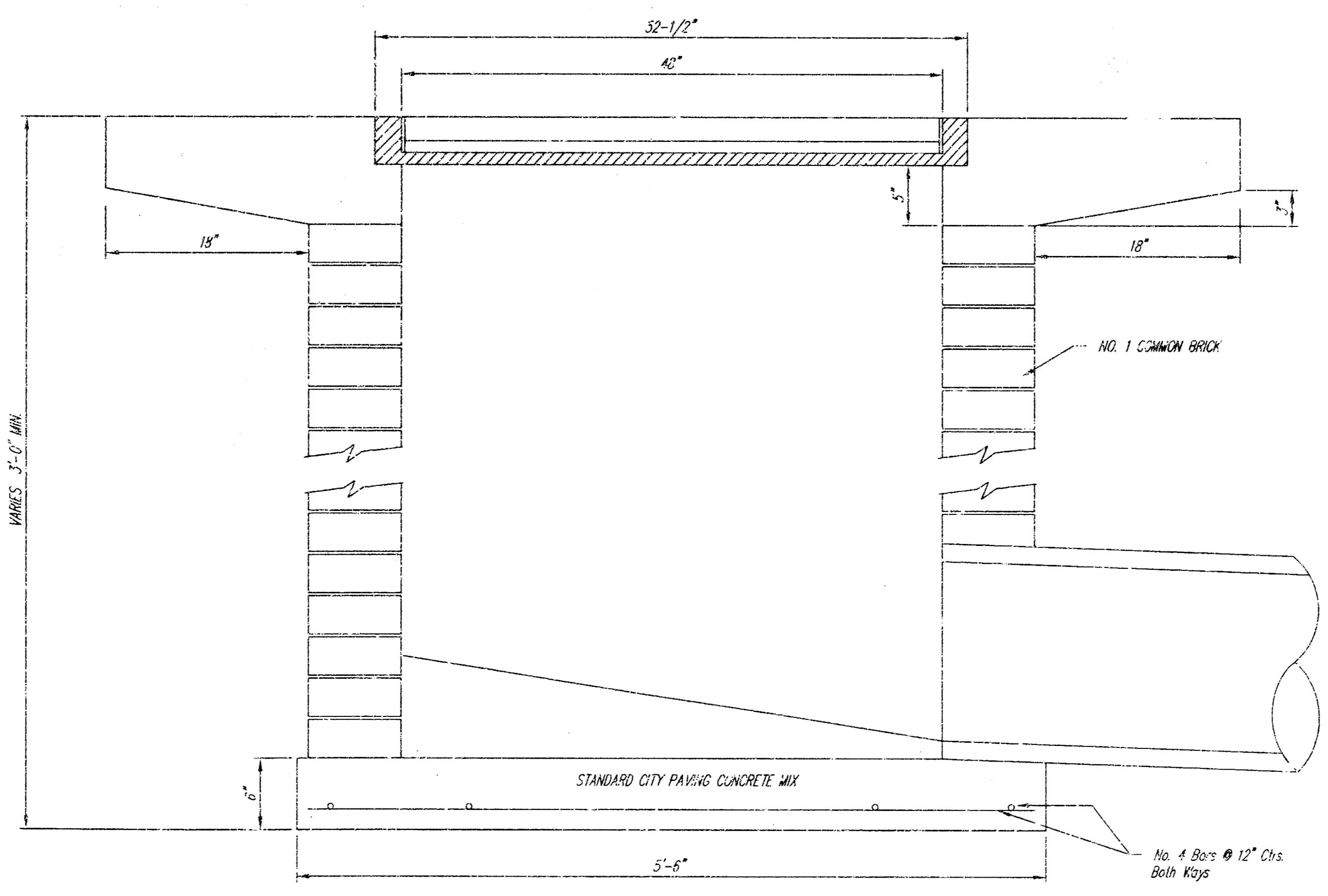
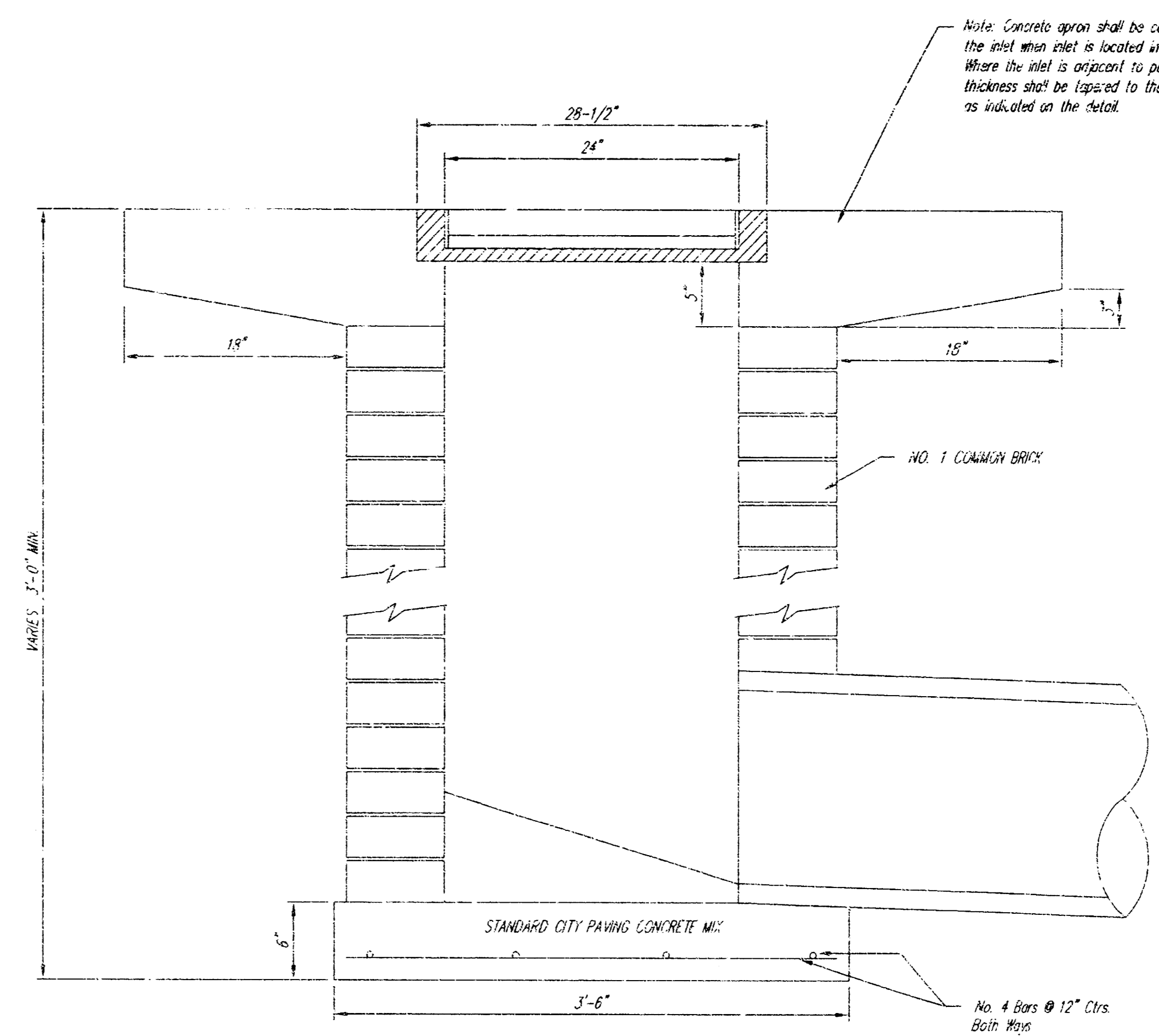
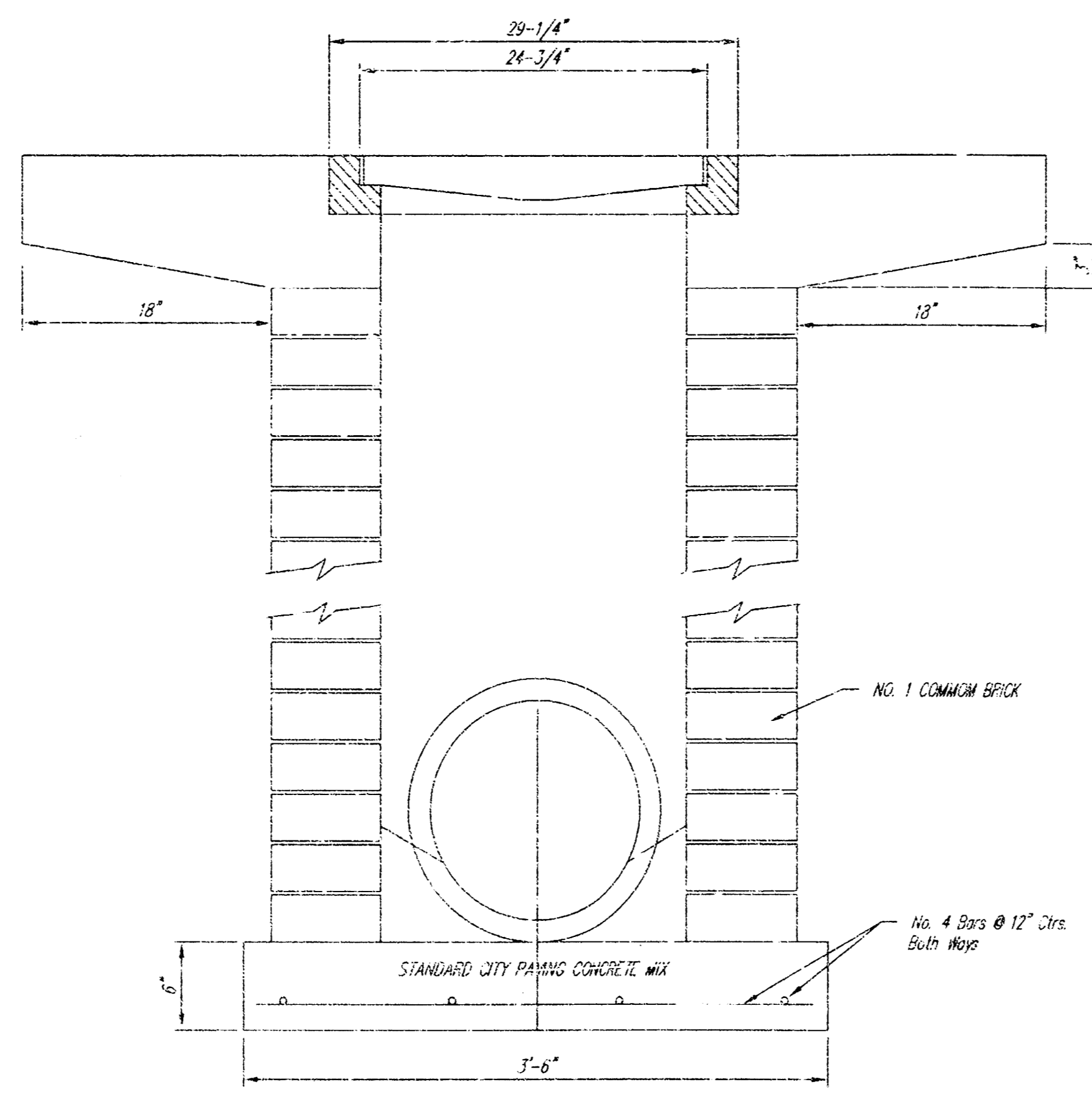
DEETER #2433 GRATE

24" x 24" Frame and Grate Detail



Double 24" x 24" Frame 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.



THE CITY OF WICHITA  
  
 CITY HALL - SEVENTH FLOOR  
 455 NORTH MAIN STREET  
 WICHITA, KANSAS 67202  
 (316) 255-4500  
 (316) 268-6114 FAX

<b>DROP INLET</b> 2' X 2 1/2' X 4'	
Neil D. Cable, P.E., City Engineer	
FILE NAME	NEW PROJ
Drop Inlet	05047
DATE	
MAR 96	SHEET 4 OF 4