

# GENERAL NOTES

## SITE GRADING NOTES

THE GRADING CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN OR WITH THE DOCUMENTS.

CONTRACTOR LIMITS OF WORK ARE TO AND WITHIN THE PROPERTY LINES ONLY.

NO PRESENTATION IS MADE ON THESE DRAWINGS CONCERNING EARTHWORK MATERIAL QUALITIES, HOWEVER, THE EARTHWORK CUTS AND FILLS ARE PROJECTED TO BALANCE. AN ALLOWANCE IS TAKEN IN THE CONTRACT FOR "IMPORT STRUCTURAL FILL" IN THE EVENT THAT NOT ENOUGH SUITABLE ON SITE FILL IS ENCOUNTERED.

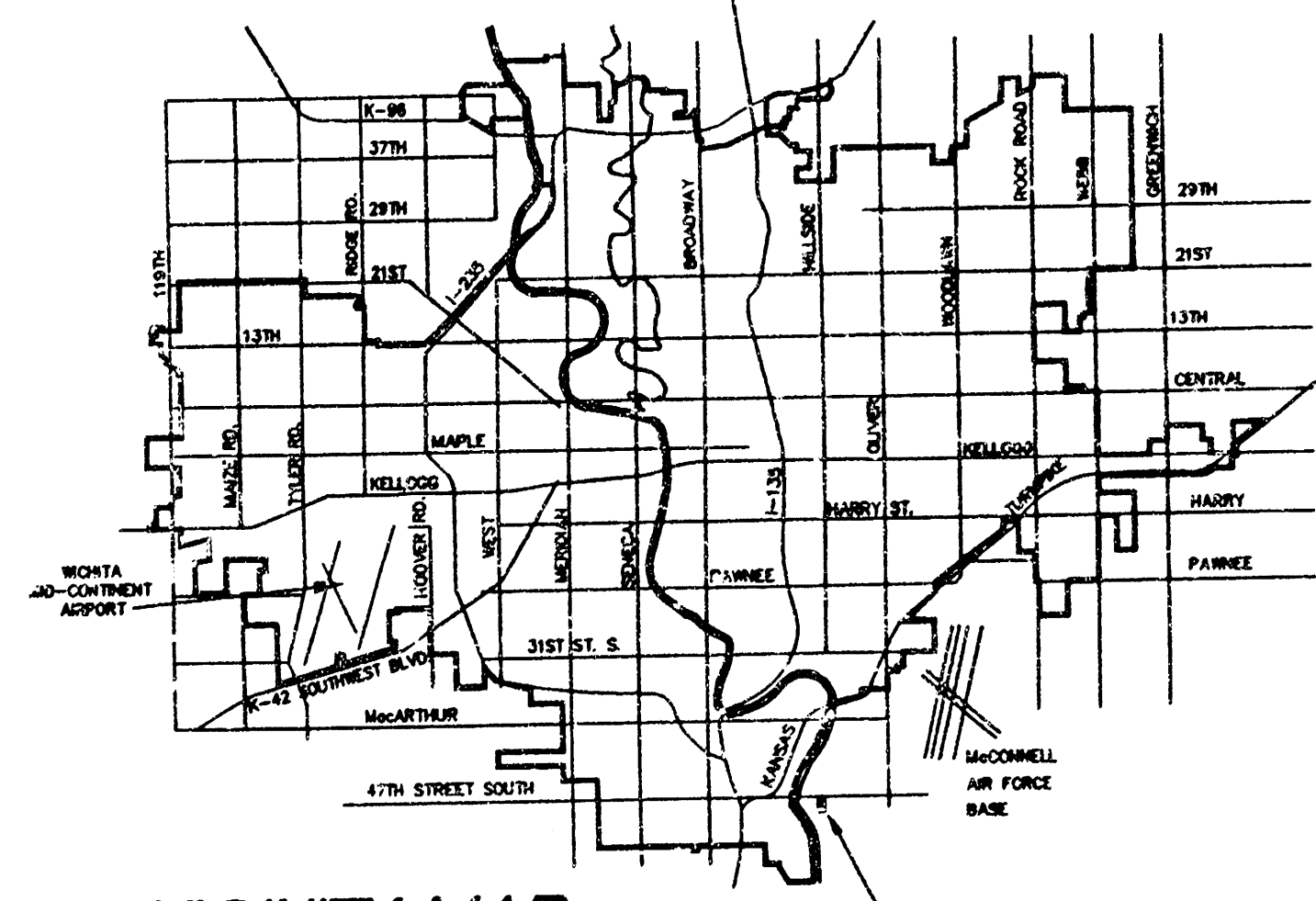
GRADING OPERATIONS SHALL BE PREPARED WHERE SHOWN AND AS INDICATED BY PHASE I, PHASE II IS NOT INCLUDED AS PART OF THIS WORK. CONTRACTOR SHALL HOWEVER, MOODY GRADES AT PHASE II TO FACILITATE "C" DRAINAGE OF THAT AREA.

GRADES INDICATED REPRESENT FINISH GRADES AT TOP OF PROPOSED PAVEMENT. ADJUST FOR SUBGRADES. SEE PAVEMENT PLAN.

CONTRACTOR SHALL MATCH EXISTING FINISH GRADES ALONG PROPERTY LINES AND AT STRUCTURES AS NOTED.

## STORM WATER SEWER NOTES

- Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, 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 within the right-of-way which do not conflict with proposed construction.
- The Contractor shall be responsible for preserving property lines. The Contractor will be required to re-establish any property lines which are damaged or destroyed by his construction operations. Such lines shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.
- The Contractor shall contact Kansas One Call at 687-2470 to have underground utilities located prior to construction of this project.
- The Contractor shall seed, fertilize, and mulch all disturbed areas after completion of construction.



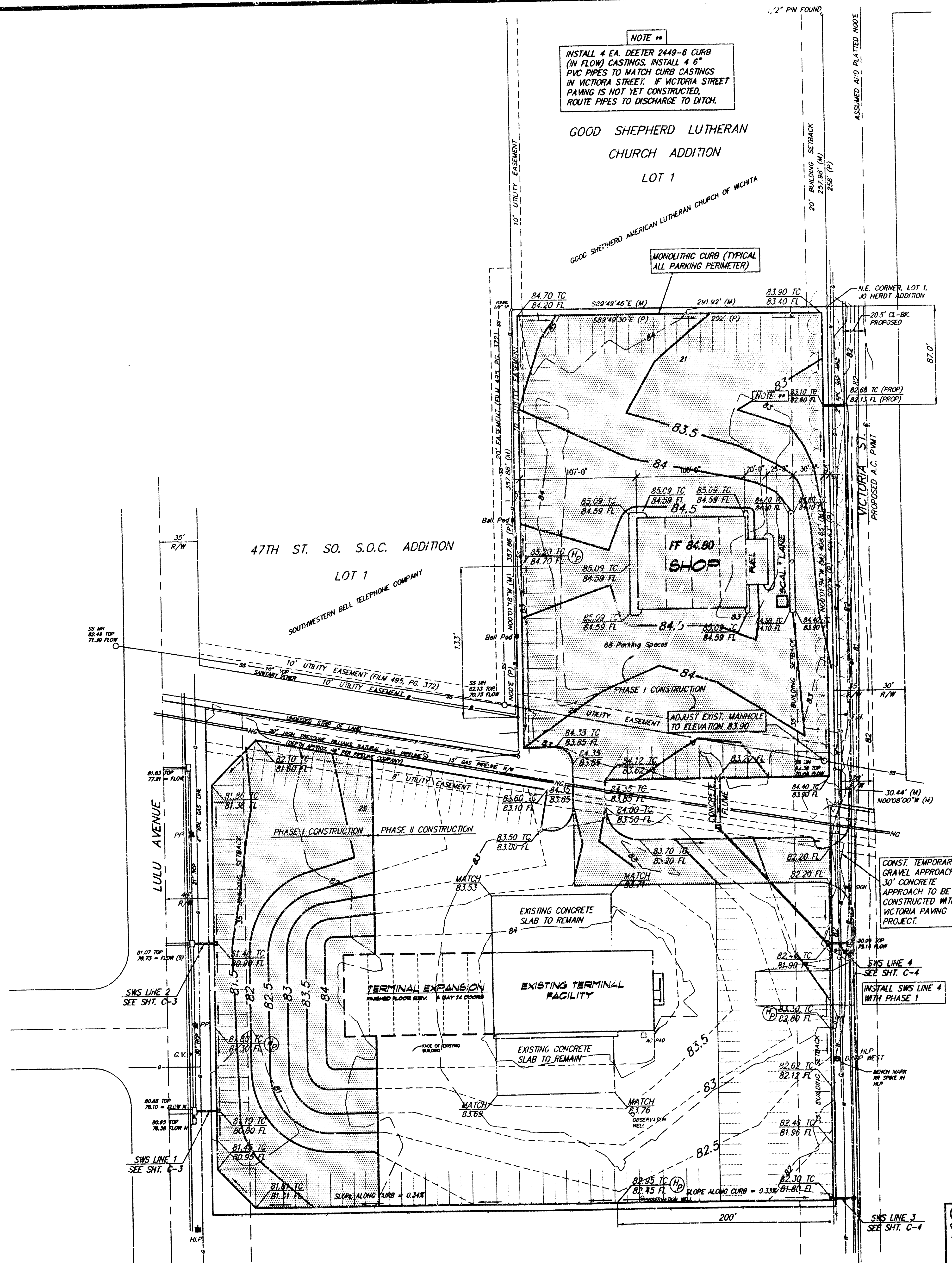
VICINITY MAP

PROJECT LOCATION

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. WORK SHALL NOT 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 VRH 10/3/94  
Driveway Approaches \_\_\_\_\_  
Water Mains \_\_\_\_\_  
Parking \_\_\_\_\_



**SITE DRAINAGE/GRADING PLAN**  
SCALE 1"=80'-0"

As-built (no revision) 12-3-94 JCR

|                                        |         |                       |        |                  |         |
|----------------------------------------|---------|-----------------------|--------|------------------|---------|
| <b>SRB</b>                             |         | 924 NORTH MAIN        |        | 316-264-8088     |         |
| SAVOY, RUGGLES & BOHM, P.A.            |         | WICHITA, KANSAS 67211 |        | FAX 316-264-8021 |         |
| ENGINEERING & SURVEYING                |         |                       |        |                  |         |
| PROJECT NUMBER <b>502 PPS (607861)</b> |         |                       |        |                  |         |
| DRAWN                                  | DESIGN  | REVIEW                | DATE   | UTILITY          | SRB JOB |
| C. BOHM                                | C. BOHM | TGR                   | 9-1994 |                  | 76E     |

| REVISIONS | BY |
|-----------|----|
|           |    |
|           |    |
|           |    |
|           |    |

**ADDITION AND RENOVATION FOR:**  
**AMERICAN AIRWAYS**  
Serving "AMERICA" Safely!  
4931 S. VICTORIA WICHITA, KANSAS 67211

**PATRICK W. BROWN**  
CORPORATE ARCHITECT  
2520 West 24th Street, Suite 100  
Wichita, KS 67211  
Phone: (316) 264-1111 Fax: (316) 264-1111

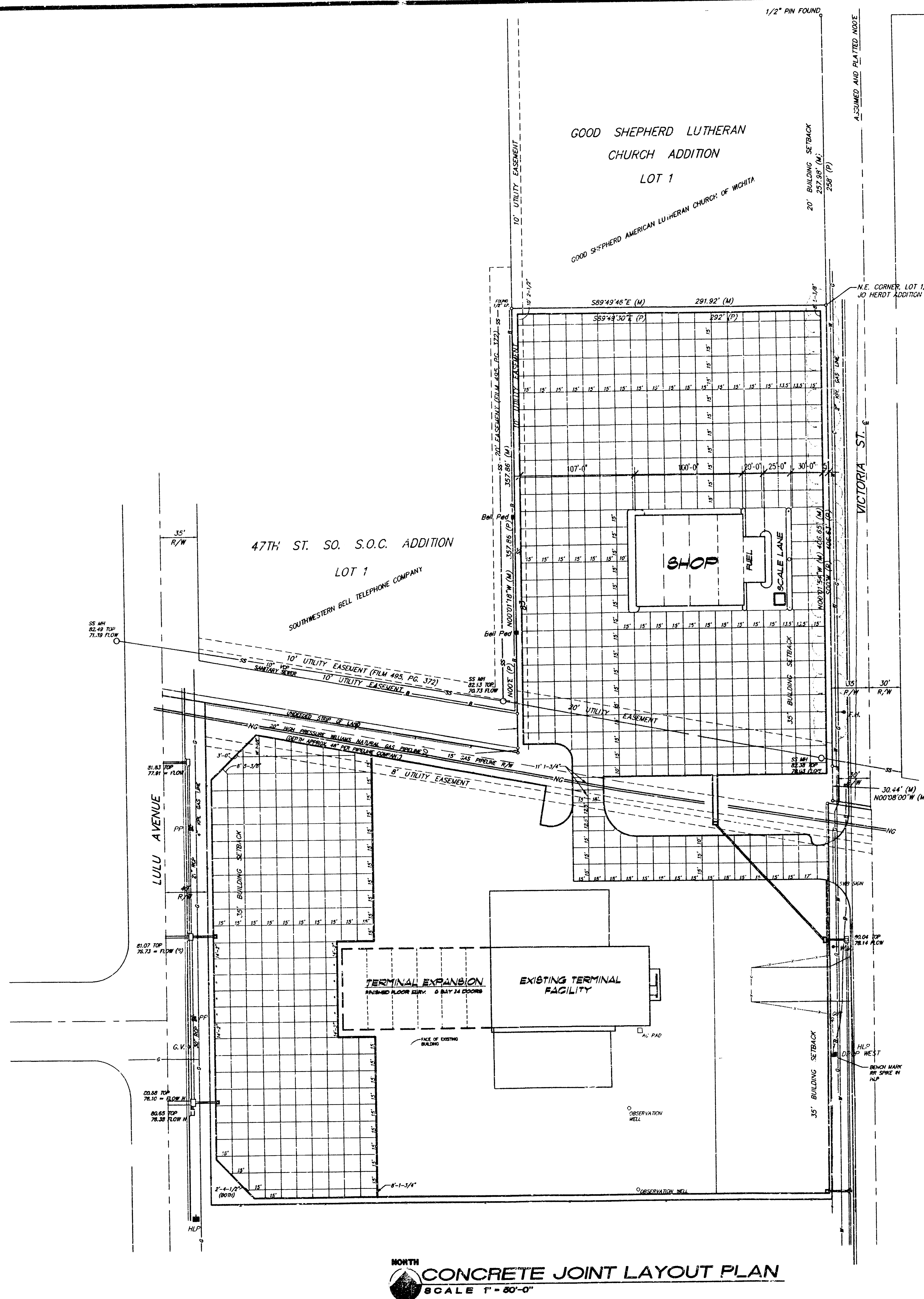
**PROFESSIONAL ENGINEER**  
11631  
KANSAS  
10-3-94

|             |               |
|-------------|---------------|
| DRAWN       | CMB           |
| CHECKED BY: |               |
| START DATE  | SEPT 22, 1994 |
| SCALE       | 1"=20'        |
| JOB NO.     | 750-WTK-94    |
| SHEET       | C-1           |

OF SHEETS

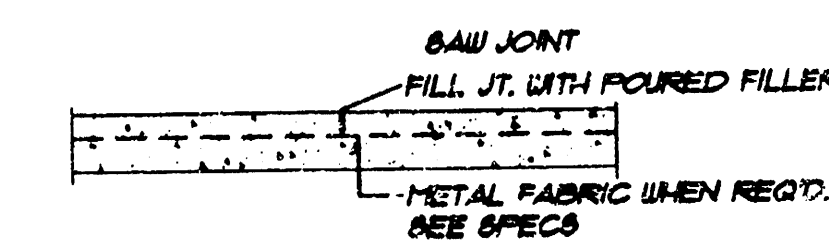
BOOKED  
2-14-97  
MCS  
C-169



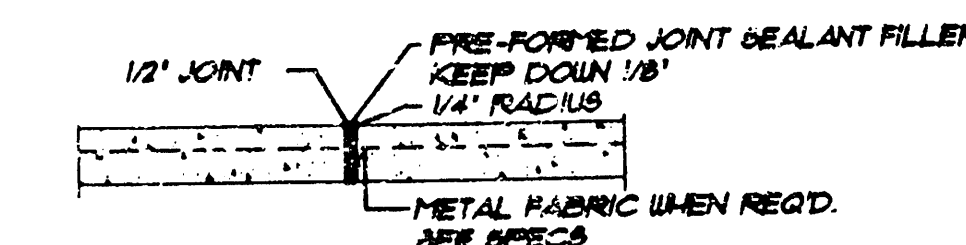


**CONCRETE JOINT LAYOUT PLAN**  
SCALE 1" = 80'-0"

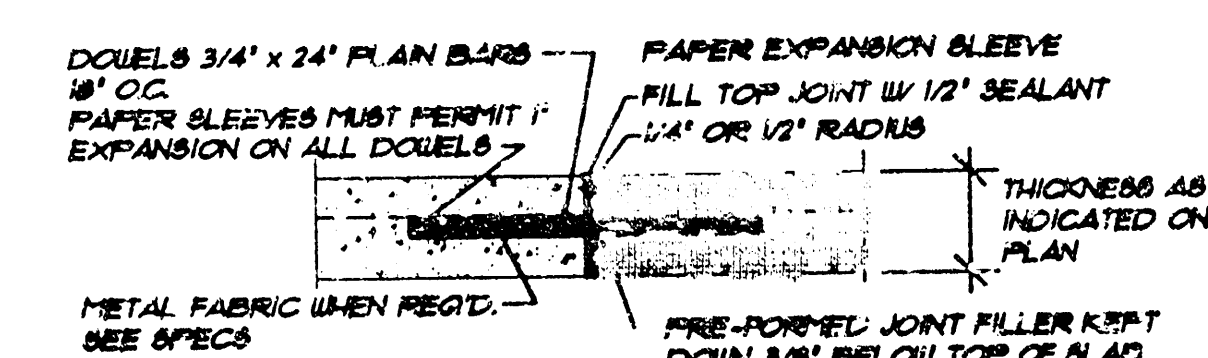
**1 CONC. JOINT DTL.**  
SCALE: 3/4" = 1'-0"



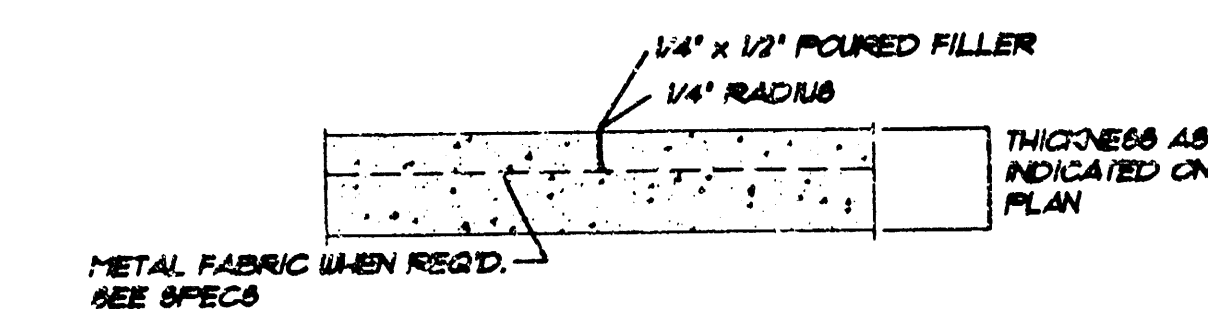
**1A CONTROL JOINT FOR WALK**



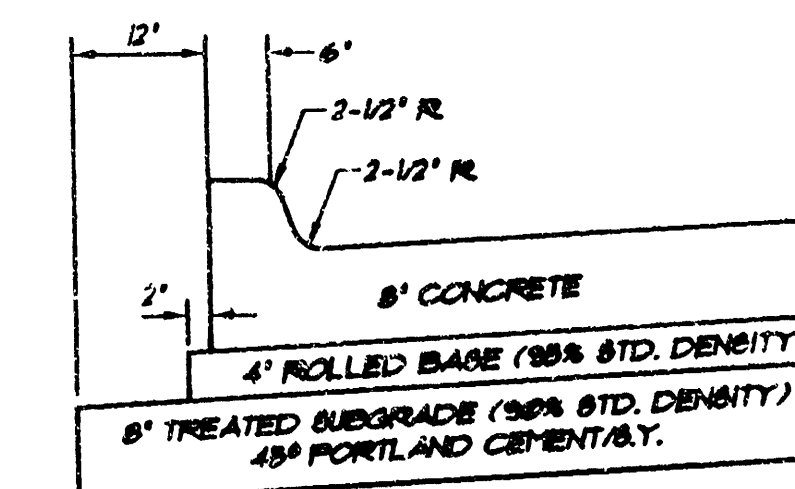
**1B EXPANSION JOINT FOR WALK**



**1C CONSTRUCTION/EXPANSION JOINT FOR PAVEMENT**



**1D CONTROL JOINT FOR PAVEMENT**



**1E STANDARD PAVEMENT SECTION**

| REVISIONS | BY |
|-----------|----|
|           |    |
|           |    |
|           |    |
|           |    |

**ADDITION AND RENOVATION FOR:**  
**AMERICAN AIRWAYS**  
**CONNECTION**  
Serving AMERICA Safely  
4931 S. VICTORIA WICHITA, KANSAS

**PATRICK BROWN**  
CORPORATE ARCHITECT  
2300 Potomac Drive, Suite 200, Kansas City, MO 64112  
Phone: (816) 871-1000 FAX: (816) 871-1001

**PROFESSIONAL ENGINEER**  
11631  
10-3-94

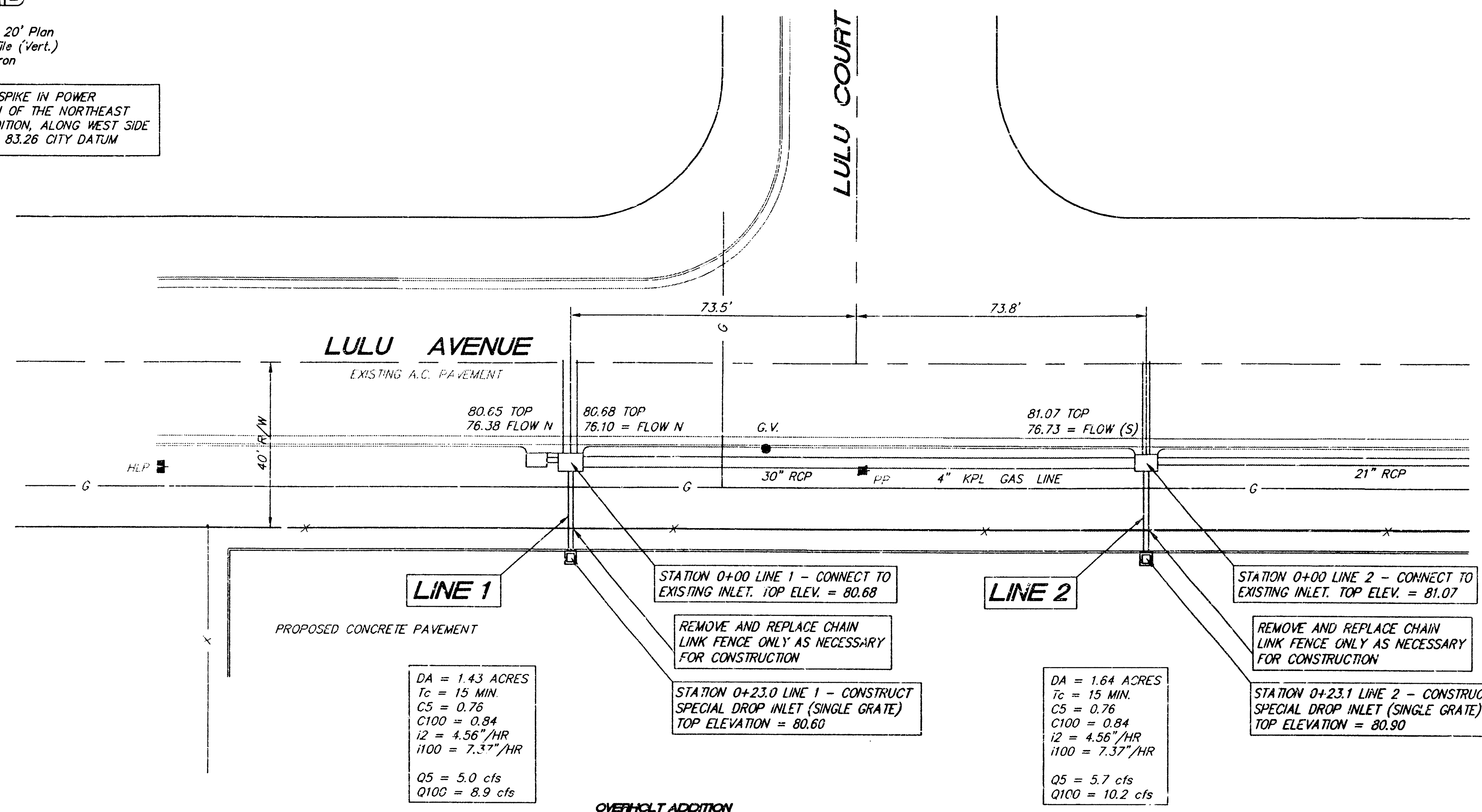
DRAWN: CMB  
CHECKED BY: [Signature]  
START DATE: SEPT 22, 1994  
SCALE: 1" = 20'  
JOB NO.: 750-WTK-94  
SHEET: C-2

**SRB** 924 NORTH MAIN WICHITA, KANSAS 67211 316-264-8008 FAX 264-4821  
**SAVOY, RUGGLES & BOHM, P.A.**  
ENGINEERING & SURVEYING  
PROJECT NUMBER: [Blank]  
DRAWN: G. BOHM DESIGN: G. BOHM REVIEW: TCR DATE: 9-1994 UTILITY: SRB JOB: 766



SRB  
Scale: 1" = 20' Plan  
1" = 5' Profile (vert.)  
o = iron

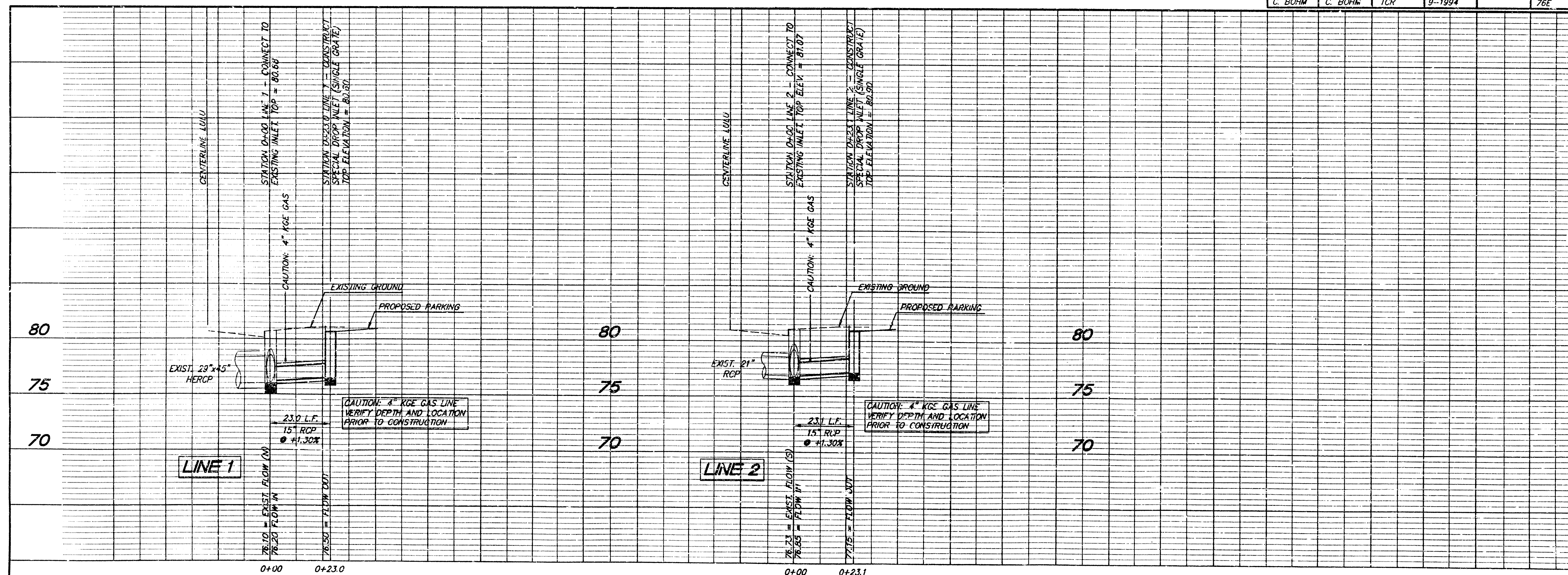
BENCH MARK: RAILROAD SPIKE IN POWER  
POLE LOCATED 223' SOUTH OF THE NORTHEAST  
CORNER OF OVERHOLT ADDITION, ALONG WEST SIDE  
OF VICTORIA, ELEVATION = 83.26 CITY DATUM



OVERHOLT ADDITION

NOTE: CONTRACTOR TO CONTACT CALVIN BRUMMER  
WITH KGE GAS AT 832-3119 TO ARRANGE THE  
RELOCATION OF GAS SERVICE LINE CROSSINGS.

SRB 924 NORTH MAIN WICHITA, KANSAS 67211 316-264-8008 FAX 264-4621  
SAVOY, RUGGLES & BOHM, P.A.  
ENGINEERING & SURVEYING  
PROJECT NUMBER  
502 PPS (607861)  
DRAWN: C. BOHM DESIGN: C. BOHM REVIEW: TOR DATE: 9-1994 UTILITY: SRB JOB: 76E



| REVISIONS | BY |
|-----------|----|
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |
|           |    |

ADDITION AND RENOVATION FOR:  
**AMERICAN HIGHWAYS**  
Serving AMERICA SAFELY  
4931 S. VICTORIA WICHITA, KANSAS

PATRICK M. BROWN  
CORPORATE ARCHITECT  
2000 Harvard Drive Lawrence, Kansas 66044  
Phone (913) 844-1125 FAX (913) 844-1126

PROFESSIONAL ENGINEER  
11031  
10-3-94

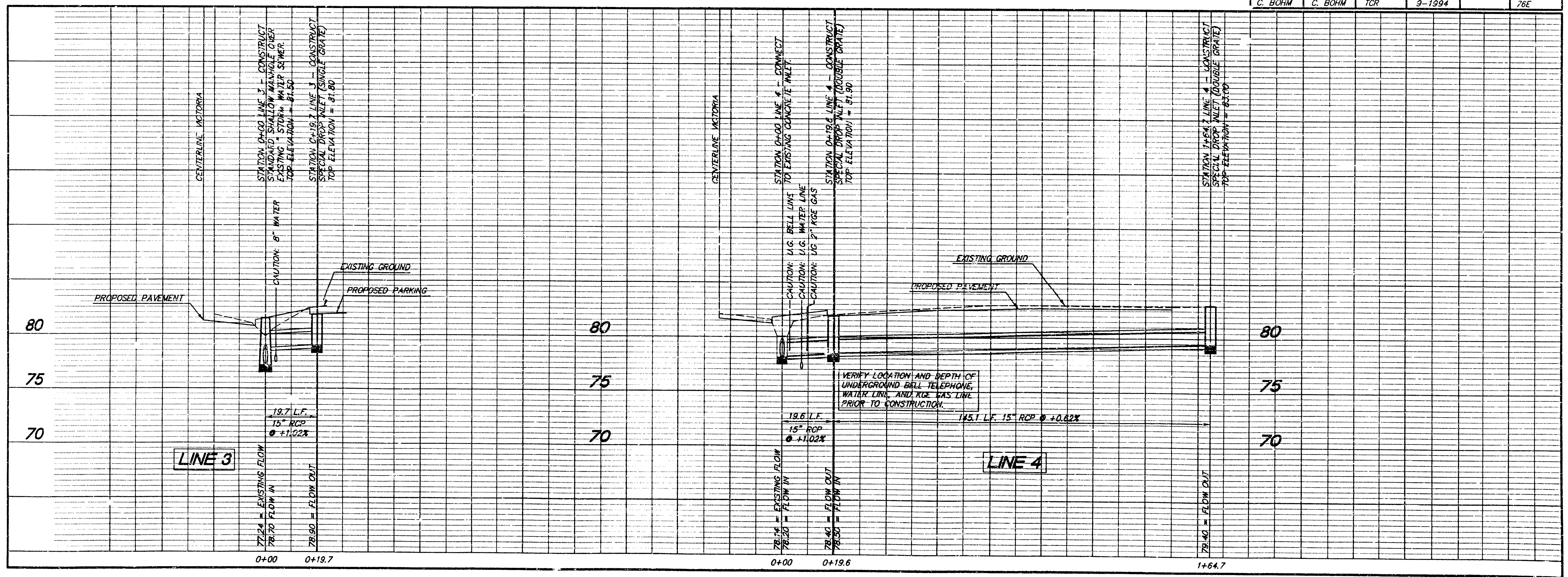
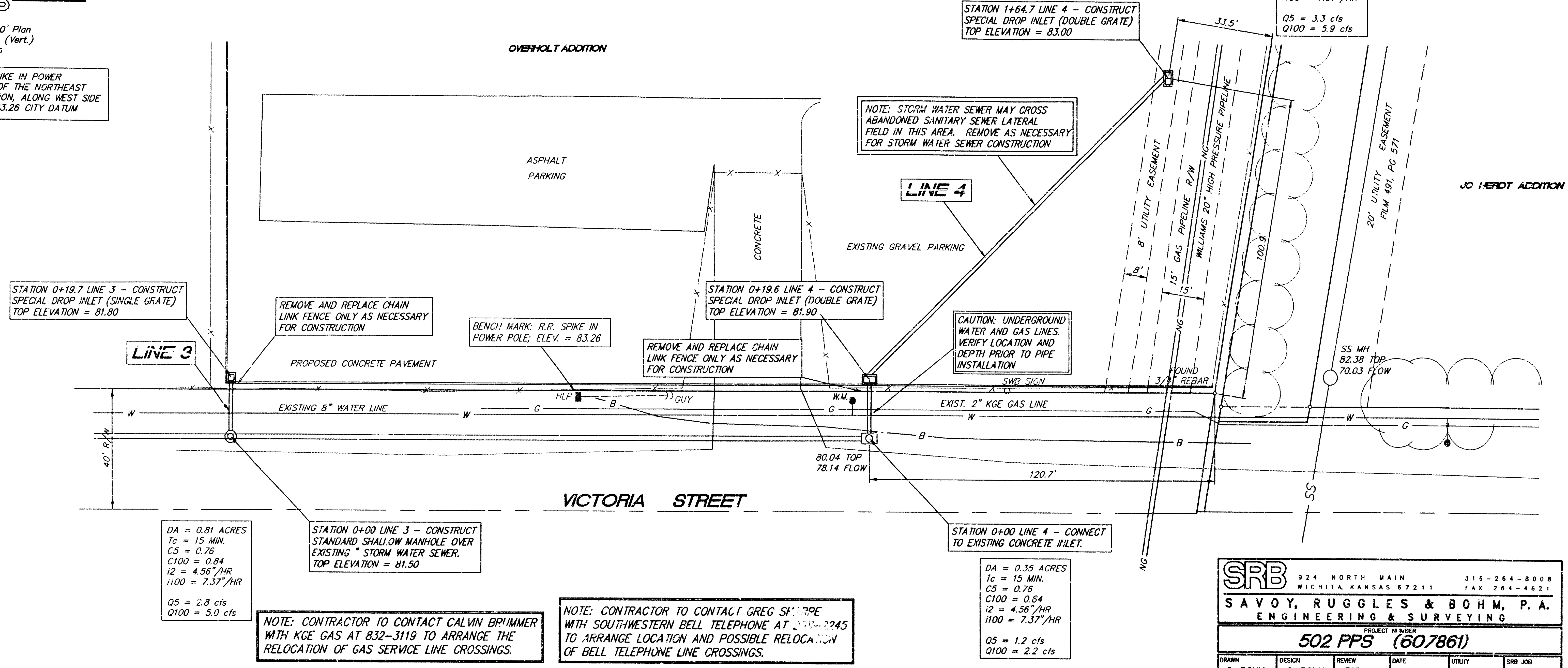
DRAWN: CMB  
CHECKED BY:  
START DATE: SEPT 22, 1994  
SCALE: 1" = 20'  
JOB NO.: 750-WTK-54  
SHEET

C-3  
OF SHEETS



**SRB**  
Scale: 1" = 20' Plan  
1" = 5' Profile (Vert.)  
o = Iron

BENCH MARK: RAILROAD SPIKE IN POWER POLE LOCATED 223' SOUTH OF THE NORTHEAST CORNER OF OVERHOLT ADDITION, ALONG WEST SIDE OF VICTORIA, ELEVATION = 83.26 CITY DATUM



| REVISIONS | BY |
|-----------|----|
|           |    |
|           |    |
|           |    |
|           |    |

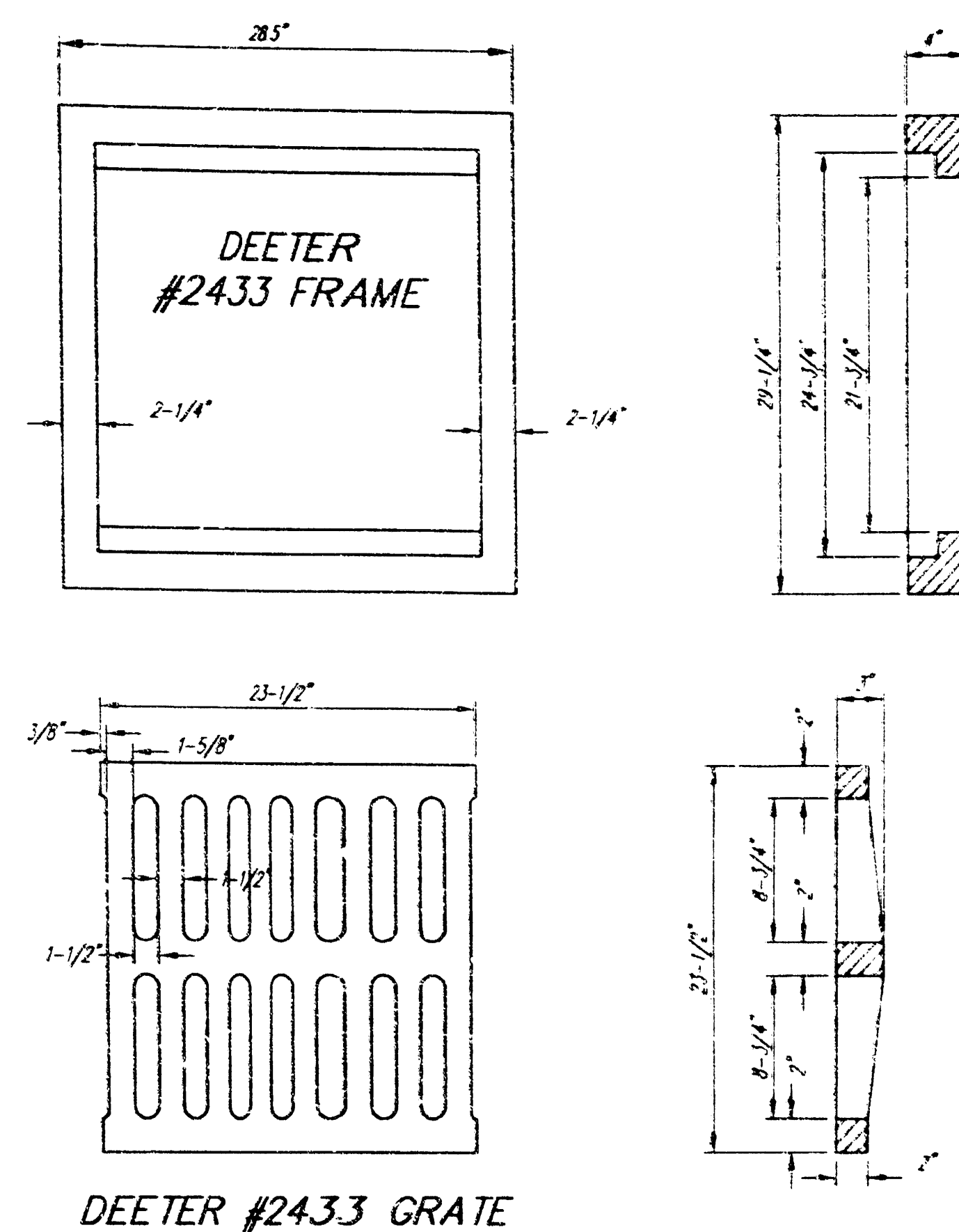
**ADDITION AND RENOVATION FOR:**  
**AMERICAN WAYS**  
Serving "AMERICA" Safely!  
4931 S. VICTORIA, WICHITA, KANSAS

**PATRICK W. BOHM**  
CORPORATE ARCHITECT  
2000 Parkway Drive, Bartlesville, Oklahoma 74603  
Phone (918) 670-0722 Fax (918) 670-0700

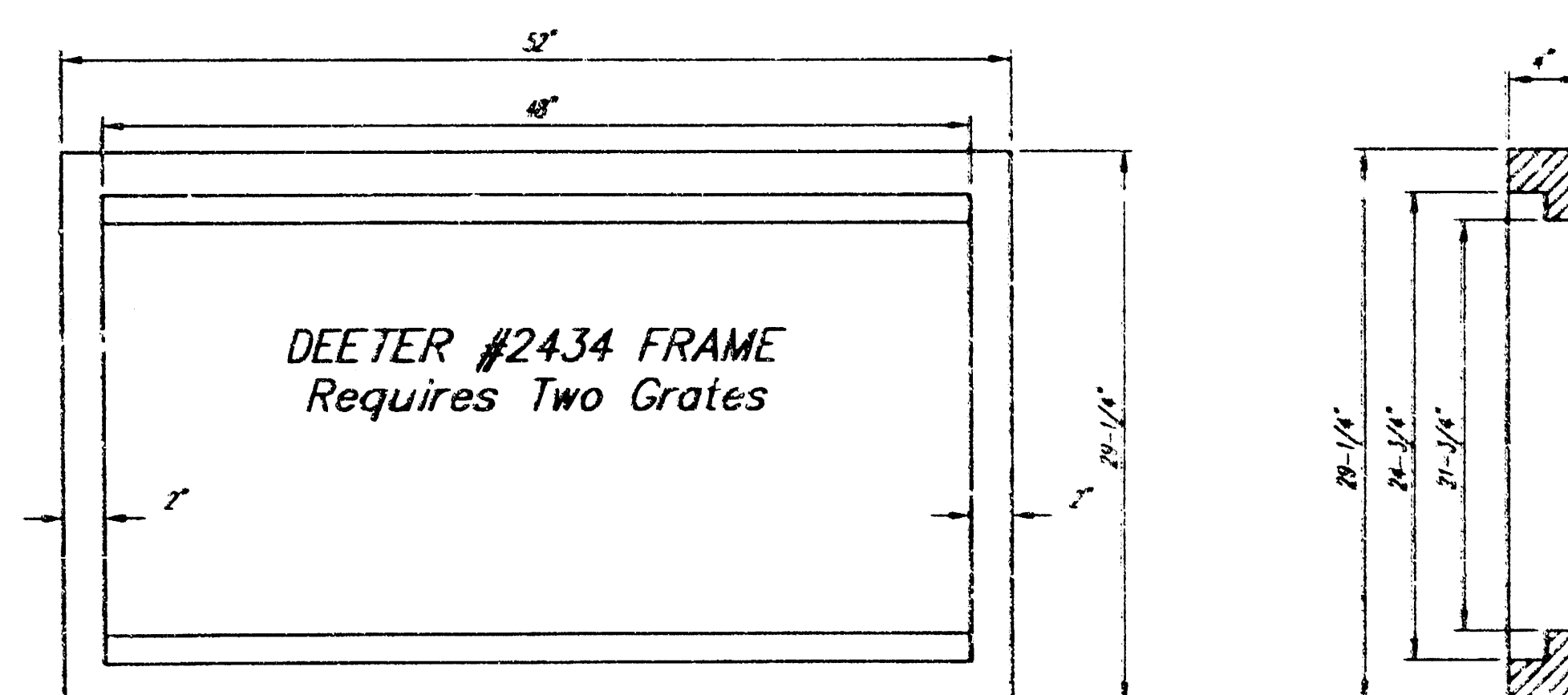
**PROFESSIONAL ENGINEER**  
11631  
10-3-94

DRAWN CWS  
CHECKED BY:  
START DATE SEPT 22, 1994  
SCALE 1" = 20'  
JOB NO. 750-WTK-94  
SHEET  
**C-4**  
OF SHEETS

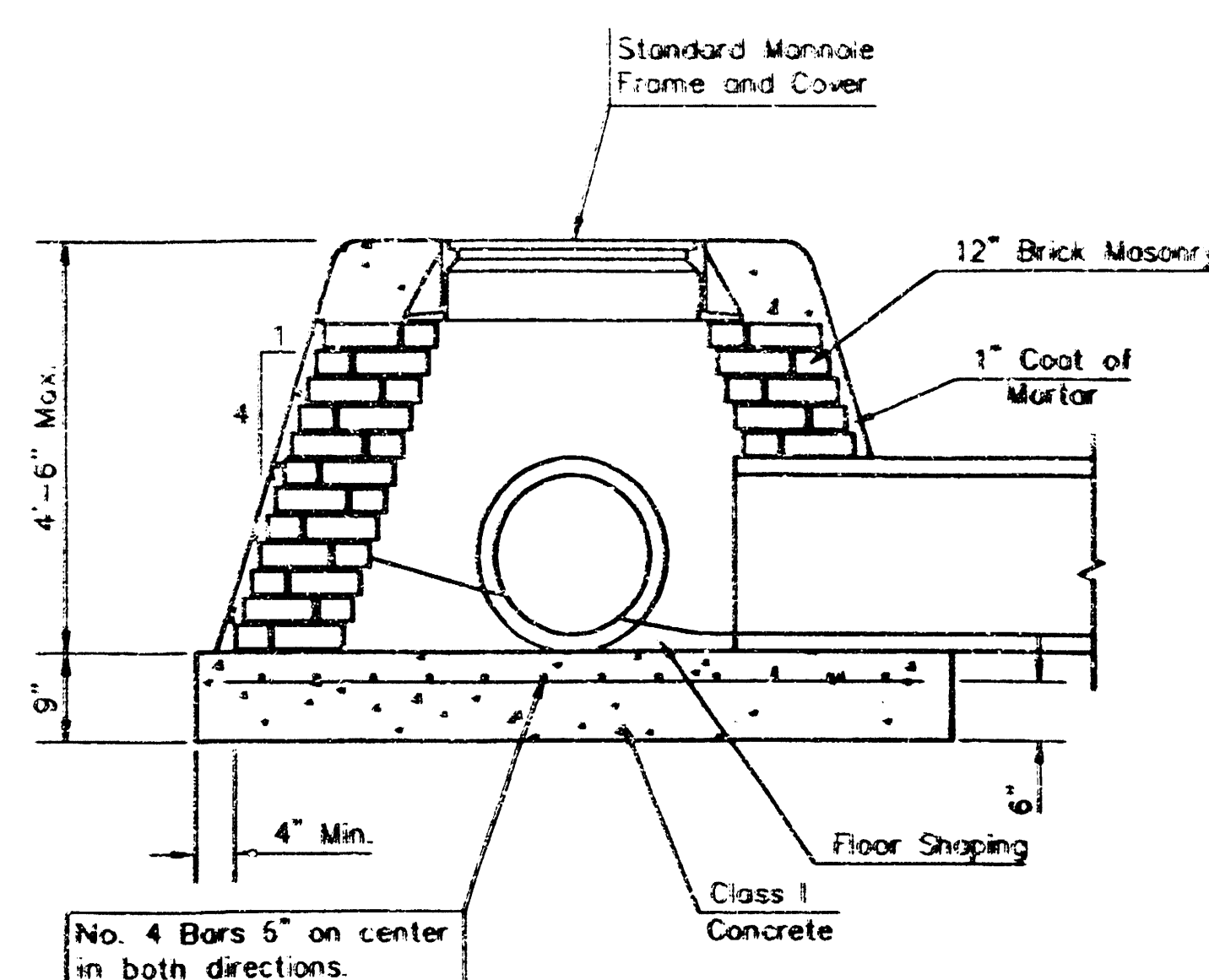




24" x 24" Frame and Grate Detail



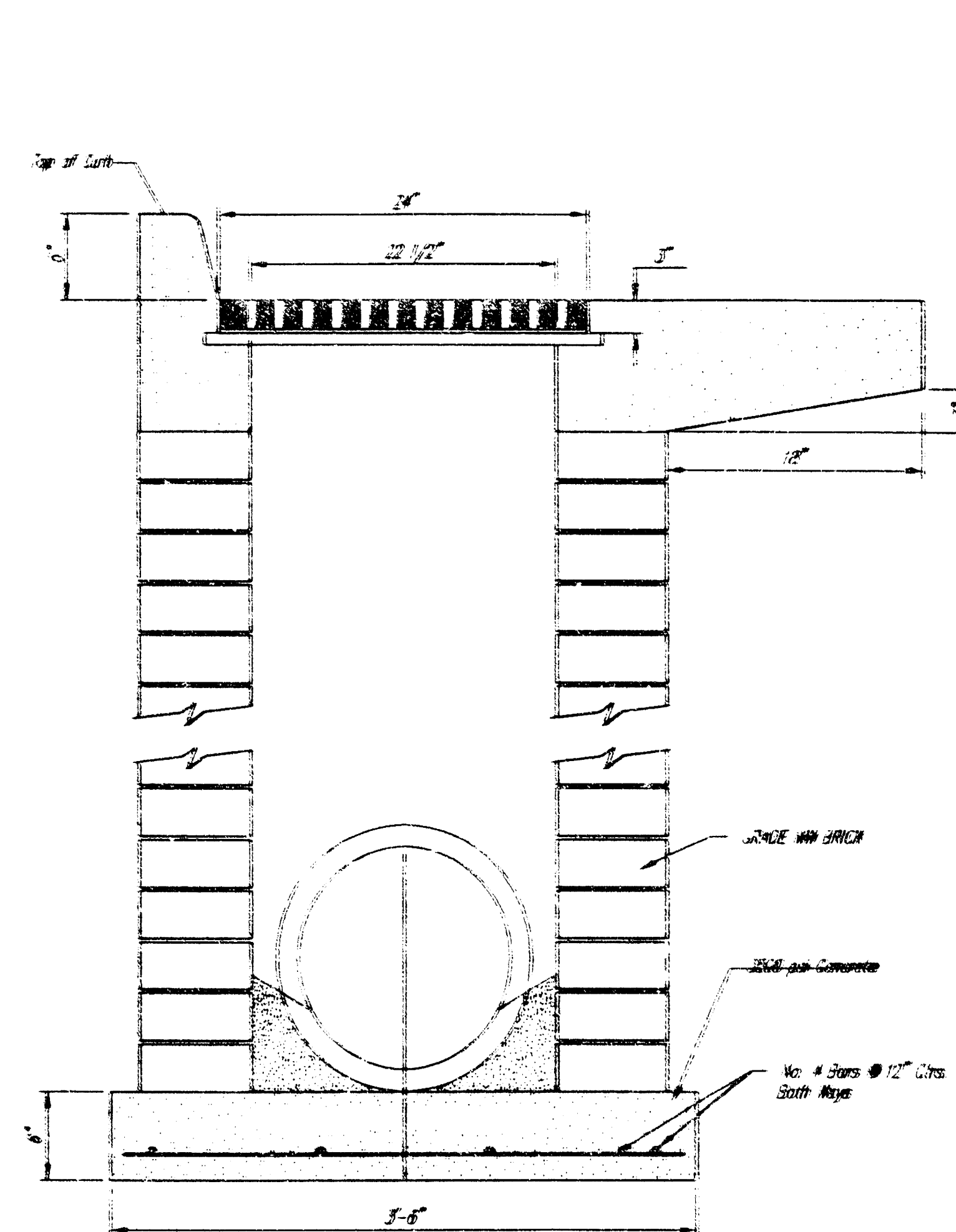
Double 24" x 24" Frame Detail



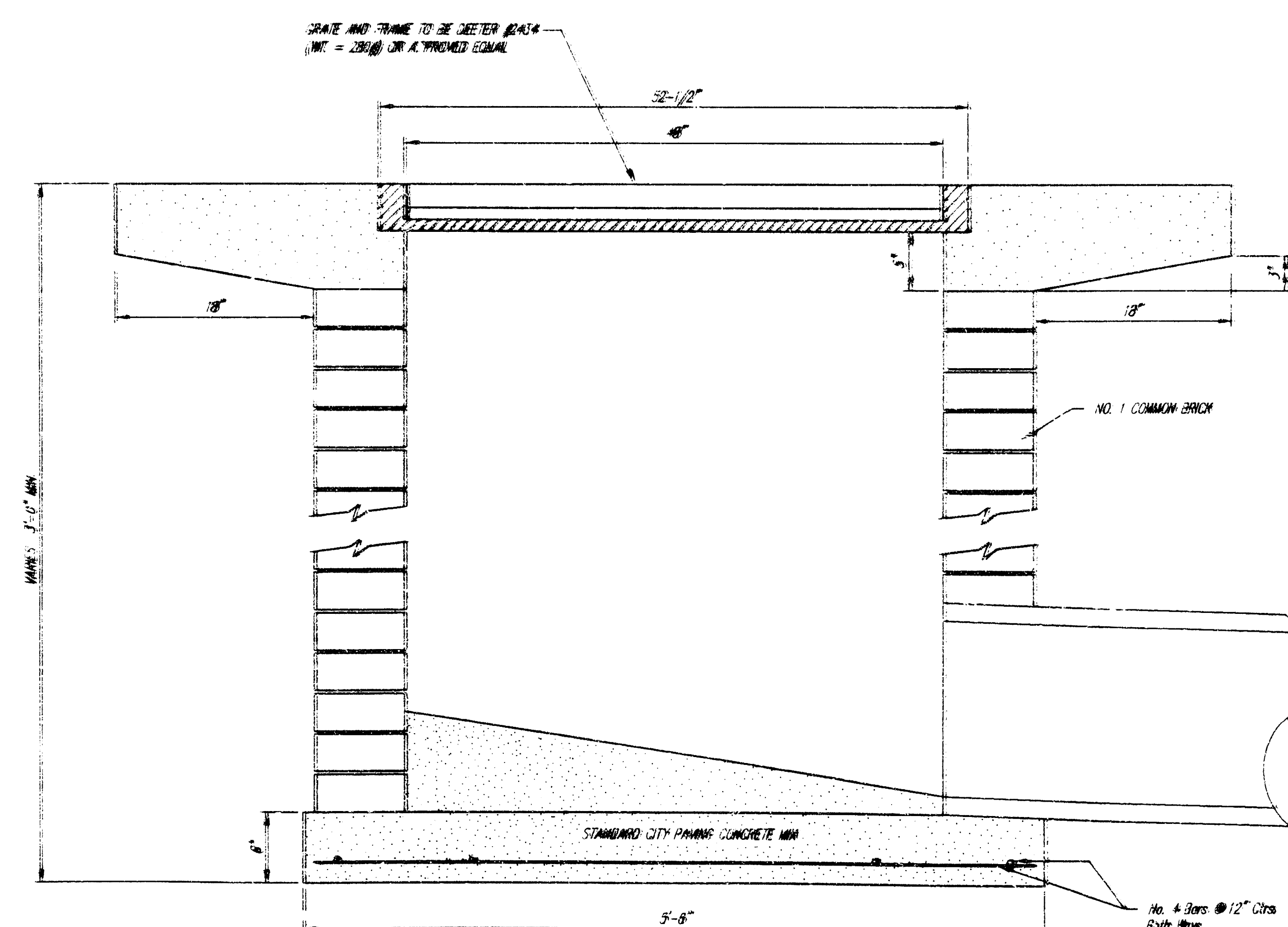
SPECIAL SHALLOW TYPE "B" MANHOLE

### GENERAL NOTES

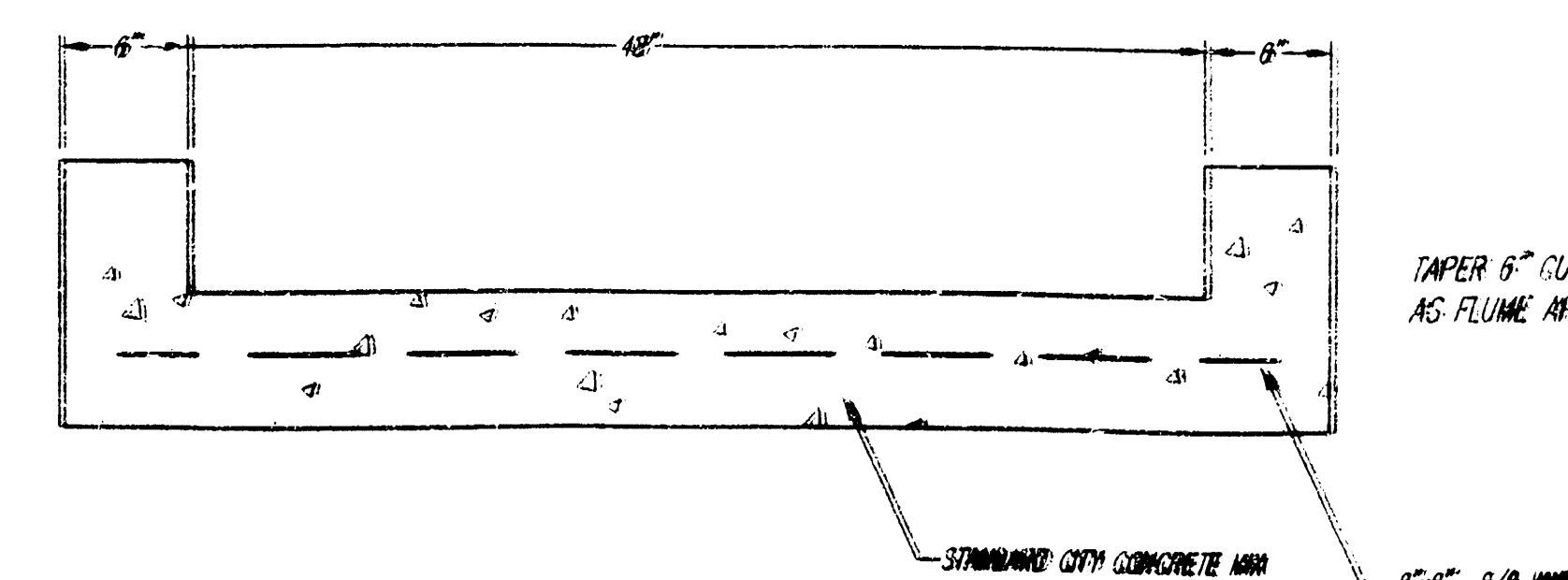
- Mortar used in masonry construction shall be Class III. Concrete used in manhole bases shall be Class I. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Type "A" shallow manholes can be used on sewers when the manhole is not located within public street pavement. 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 5" centers in both directions. The manhole base reinforcement shall be placed 5" 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 slopes 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 "A" and "B" shall be paid for at the unit price bid per each for the type and diameter indicated. Standard special shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
- All brick used in manhole construction shall meet Grade SW of ASTM C632 or C62-87.



SPECIAL DROP INLET DETAIL (SINGLE GRATE)



SPECIAL DROP INLET DETAIL (DOUBLE GRATE)



CONCRETE FLUME DETAIL

DROP INLET DETAILS

REVISIONS BY

ADDITION AND RENOVATION FOR:  
AMERICAN HIGHWAYS  
Serving  
"AMERICA"  
Safely  
4831 S. VICTORIA, WICHITA, KANSAS

PATRICK W. BROWN  
CORPORATE ARCHITECT  
3000 Broadway Drive  
Wichita, Kansas 67202  
Phone (316) 261-1000 Fax (316) 261-1001

PROFESSIONAL ENGINEER  
10-2-84

DRAWN: CMB  
CHECKED BY:  
START DATE: SEPT 22, 1994  
SCALE: 1"=20'  
JOB NO: 750-WTK-94  
SHEET

C-5