

# STORM SEWERS IN WOODLANDS EAST

## PROJECT NO. 468-76-245-81158-000-000-001

S.W.S. NO. 235

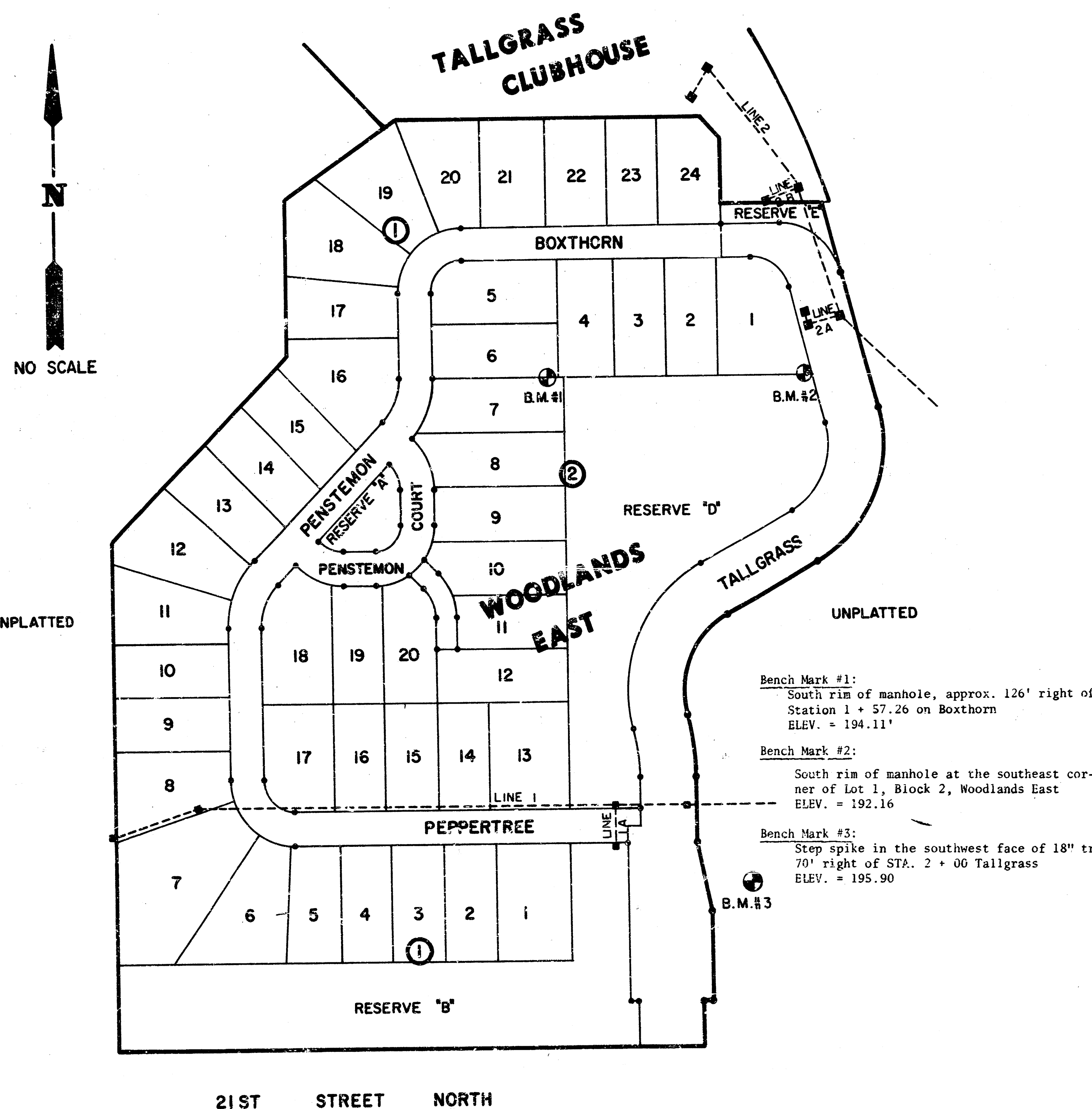
CITY OF WICHITA, KANSAS  
R. W. BRUGGEMAN, CITY ENGINEER  
JANUARY 1982

### GENERAL NOTES

- The Contractor shall be responsible for preserving property irons. The Contractor shall 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 or a licensed professional engineer in accordance with state laws.
- The tops of inlets and manholes as noted on the plans may vary so as to meet proposed top of curb elevations or pavement elevations. The Field Engineer shall locate inlets and manholes with reference to proposed paving plans of the pertinent streets (available through Van Doren-Hazard-Stallings).
- All metal pipes shall be helically corrugated pipe fully coated both inside and outside. The coating may be bituminous or polymeric as specified in AASHTO Designation: M246-78, Type B. All such coated corrugated pipe shall be smooth flow pipes for sizes 24" diameter and larger. All connections for these fully coated or fully paved and fully coated pipes shall be of fairly watertight construction using hugger type coupler or equal.
- All concrete shall be Standard Paving Mix unless otherwise noted.
- The riprap for this project shall be type 3. The type 3 riprap shall be 12" riprap. The rock for riprap and gravel protection shall be hard, dense, durable and shall be reasonably well graded. The size range of rock used shall be a maximum of one cubic foot and a minimum of 1 1/2".
- The Contractor shall avoid uncovering existing water lines unless absolutely necessary. Uncovering shall be done only in the presence of a Water Department Engineer.
- The Contractor shall have the option of installing precast concrete type 1A curb inlets in lieu of the brick type structure. See standard detail precast type 1A curb inlet, dated August, 1979.
- Inlets with concrete tops shall have manhole rings and covers according to the following schedule:

| Length | No. of Rings & Covers |
|--------|-----------------------|
| 5'     | 1                     |
| 6-10'  | 2                     |
| 11-15' | 3                     |
| 16-20' | 4                     |

Rings shall be spaced such that there is a maximum of 2.5 feet from inside of wall to center of ring and a maximum of 5 feet (center to center) between rings. Rings and covers shall be centered front to back of concrete tops. The number and spacing of rings and covers may vary with the approval of the Field Engineer and Sewer Maintenance Department.



### NOTE TO CONTRACTORS

Notify the following Companies prior to any construction:

|                         |          |
|-------------------------|----------|
| Bell Telephone Co.      | 268-3087 |
| Gas Service Co.         | 263-7511 |
| Kansas Gas & Electric   | 261-6248 |
| Golf Course Maintenance | 681-0243 |
| Ken Pong                |          |

Due to extensive, on going construction, special attention should be given to the location of underground utilities.

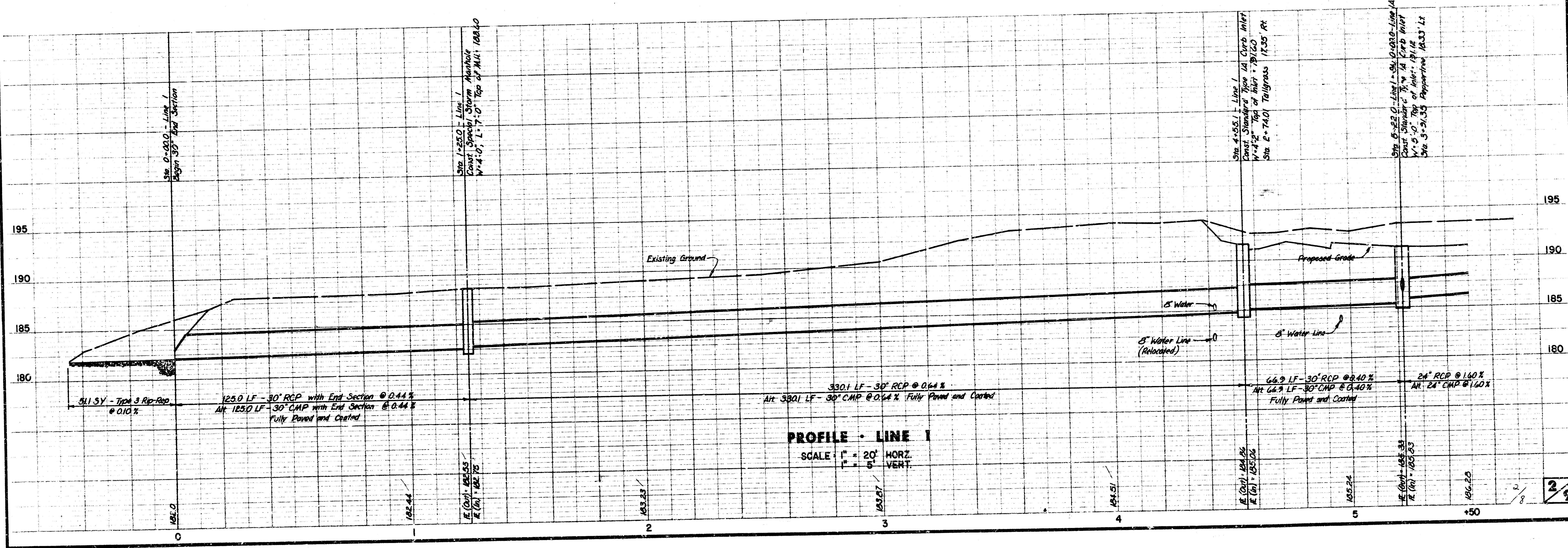
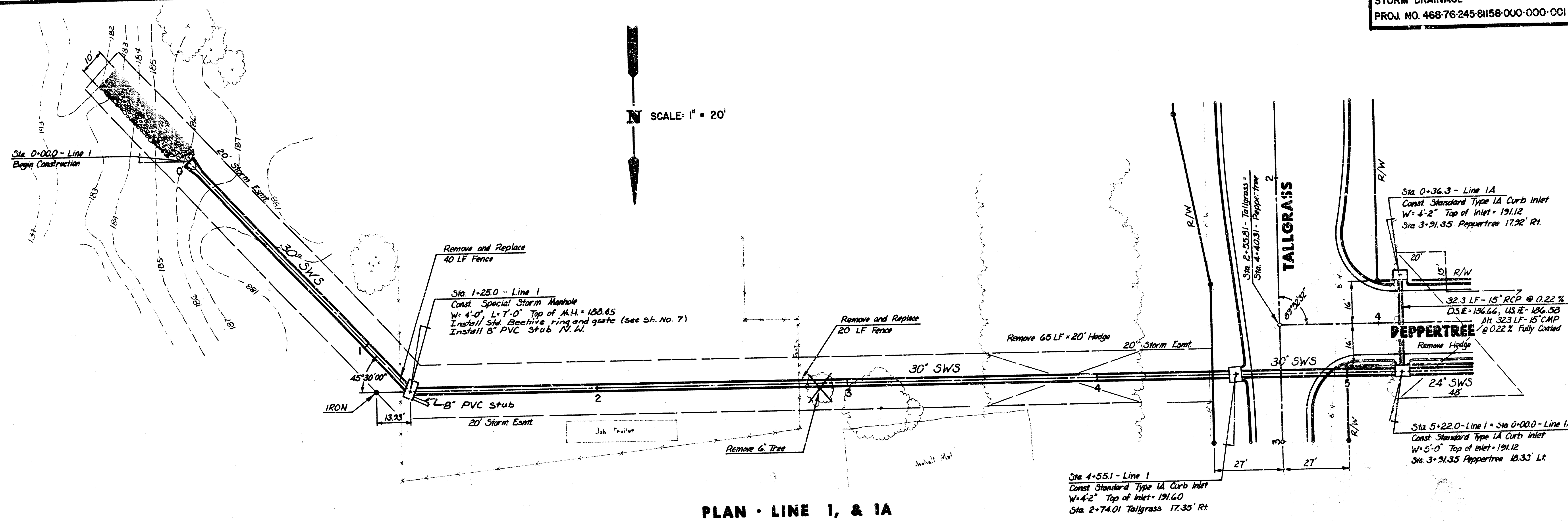
### INDEX OF DRAWINGS

| SHEET NO. | DESCRIPTION                  |
|-----------|------------------------------|
| 1         | TITLE SHEET                  |
| 2         | LINE 1, LINE 1A              |
| 3         | LINE 1                       |
| 4         | LINE 2, 2A                   |
| 5         | LINE 2, 2B                   |
| 6         | TYPE 1A CURB INLET           |
| 7         | MANHOLE, SPECIAL DITCH INLET |
| 8         | WOODLANDS EAST PLAT          |
| 9         | TALLGRASS CLUBHOUSE PLAT     |



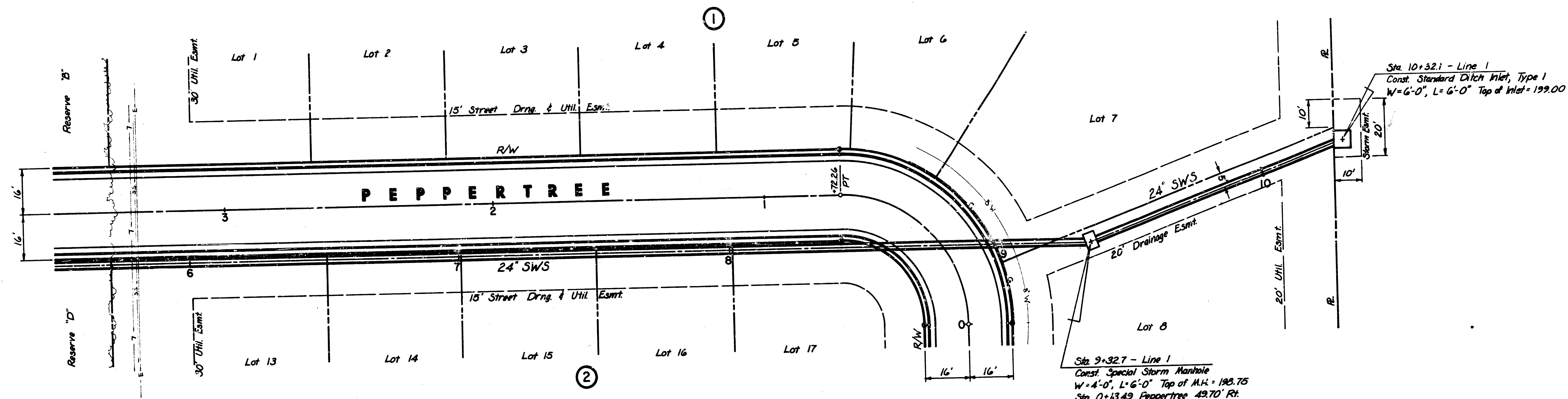
Van Doren Hazard Stallings  
Architects - Engineers - Planners  
Topeka - Wichita - Minneapolis - Kansas City

Sheet 1  
of 9

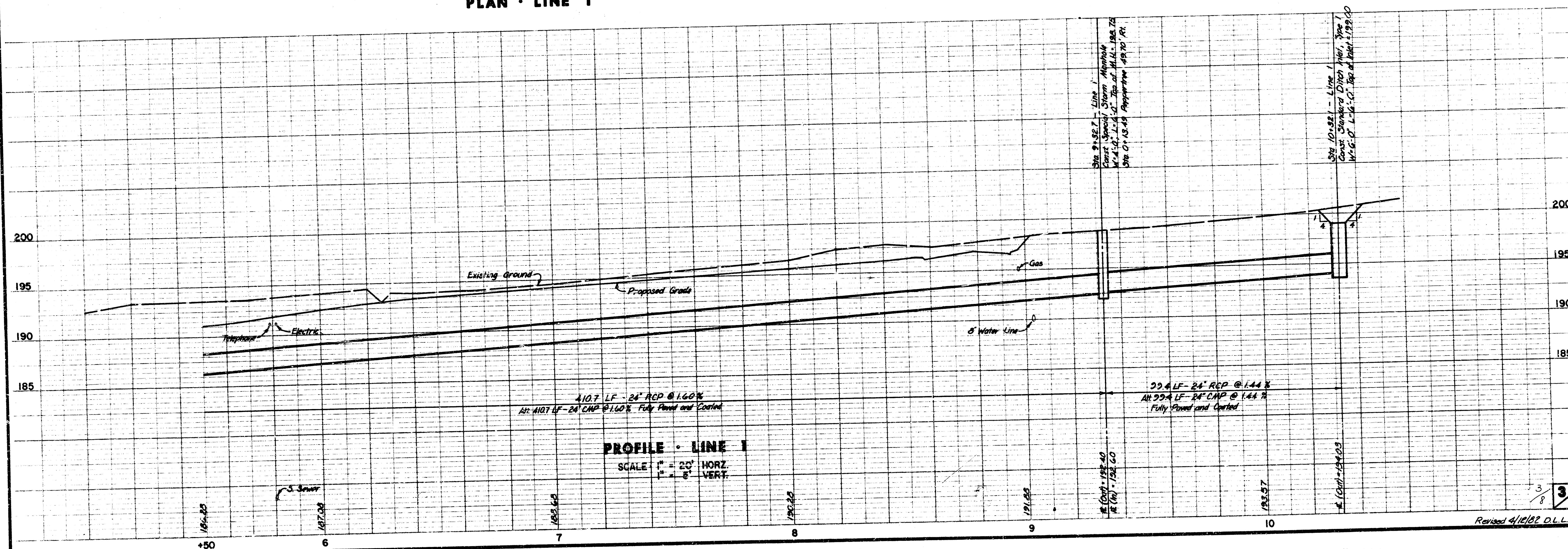




SCALE: 1" = 20'



PLAN - LINE 1

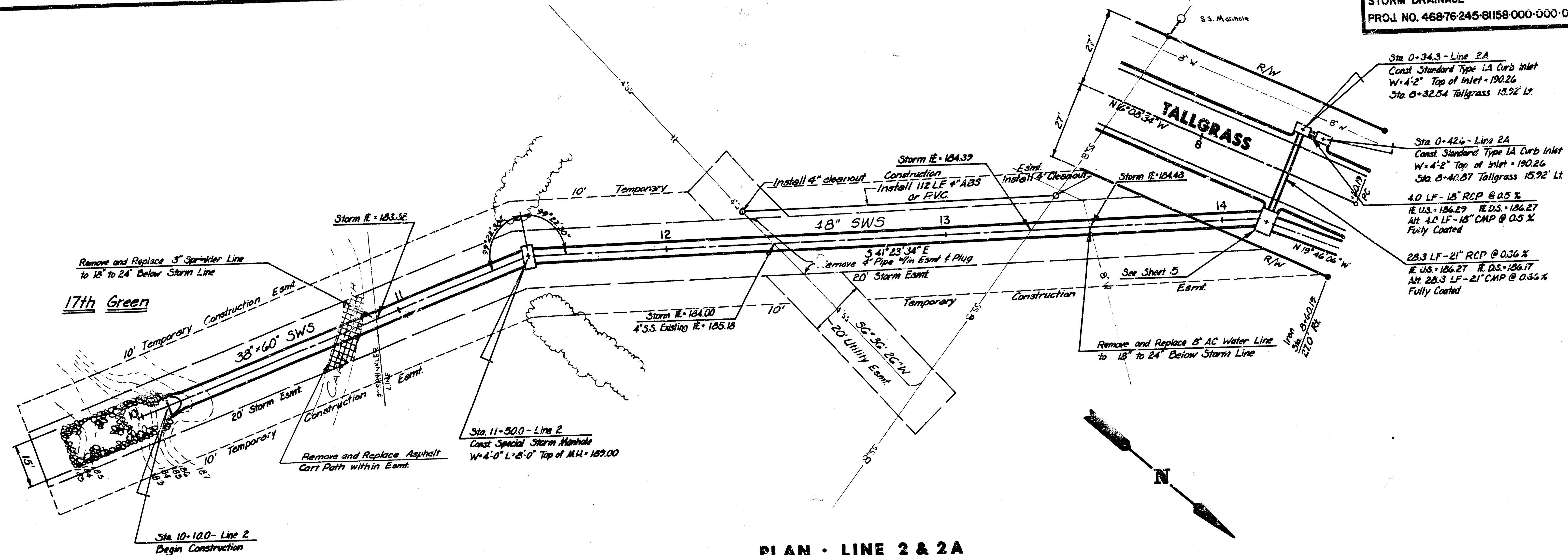


PROFILE - LINE 1

SCALE: 1" = 20' HORIZ.  
1" = 8' VERT.

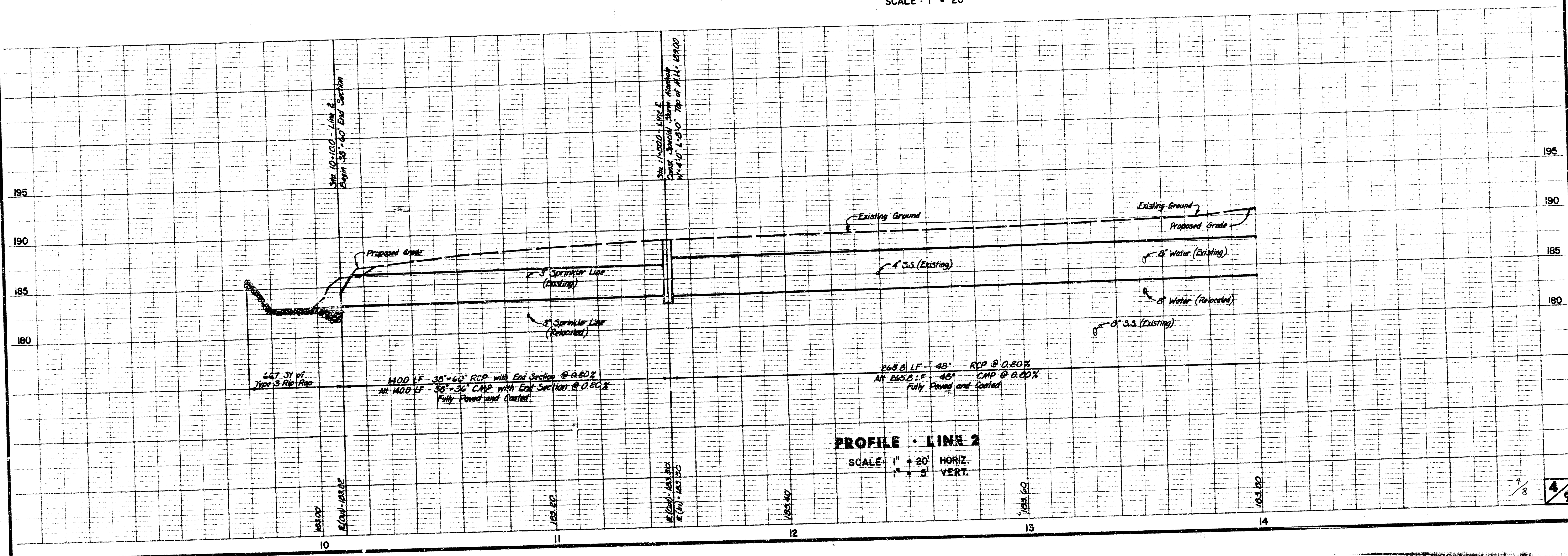
Revised 4/10/02 D.L.L.

WOODLANDS EAST  
STORM DRAINAGE  
PROJ. NO. 468-76-245-81158-000-000-001



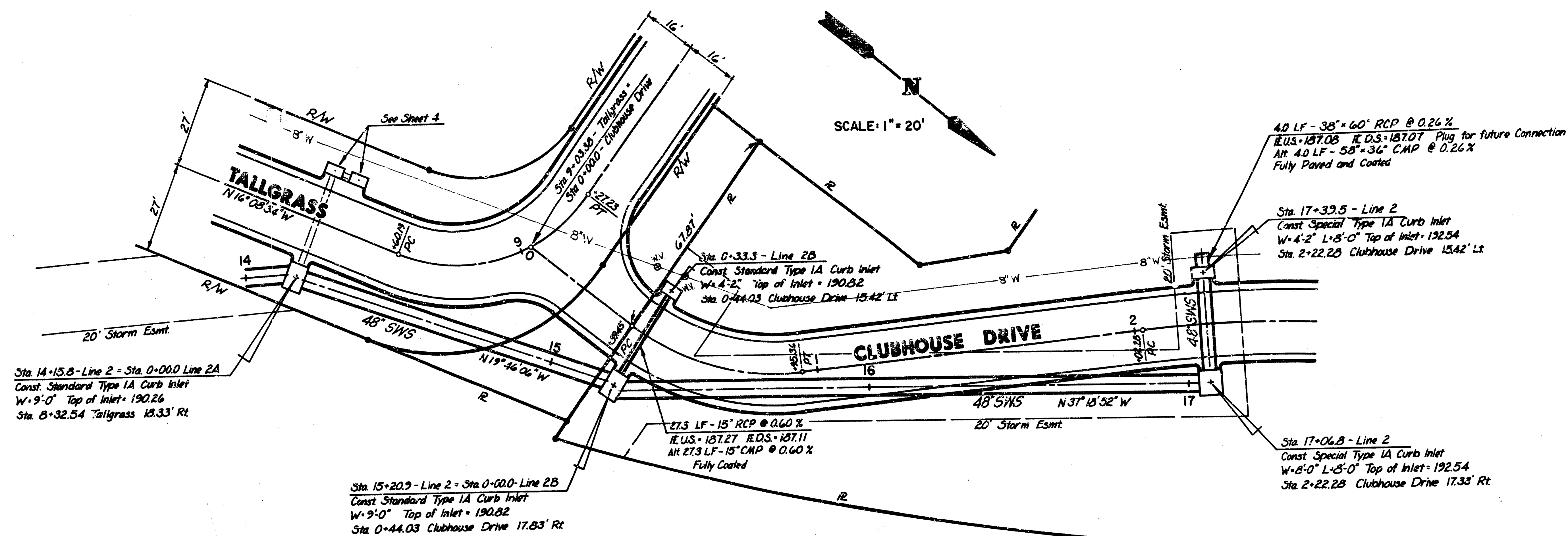
**PLAN • LINE 2 & 2A**

SCALE : 1" = 20'

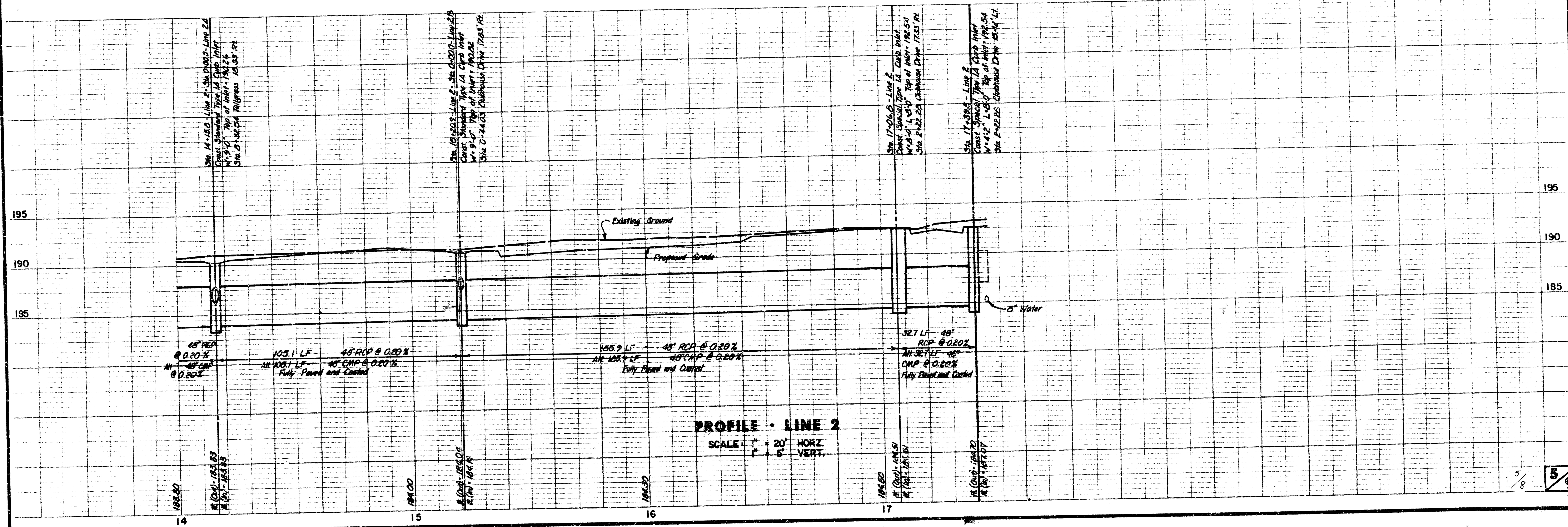


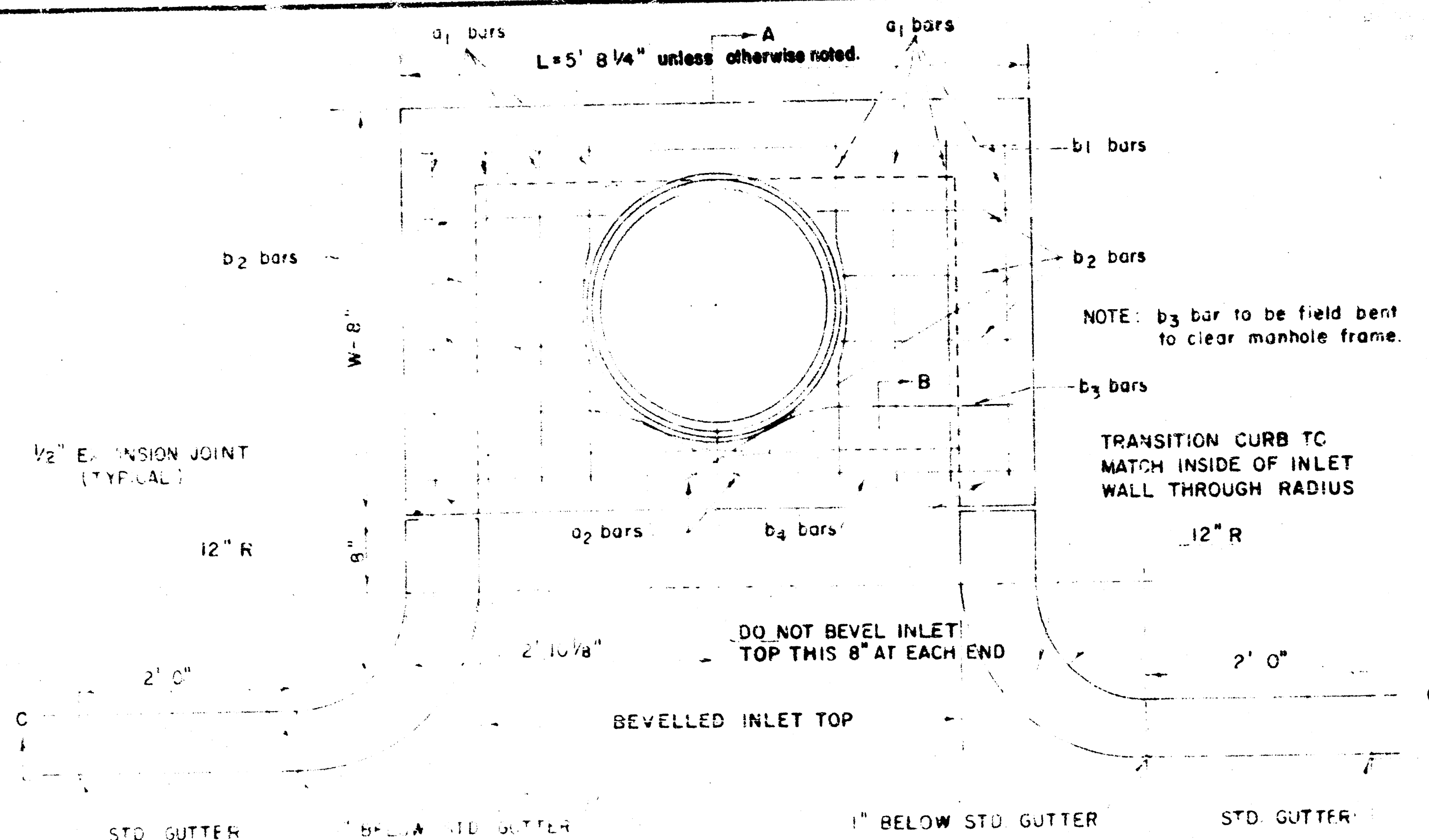
**PROFILE · LINE 2**

SCALE: 1" = 20' HORIZ  
1" = 5' VERT



PLAN - LINE 2, & 2B





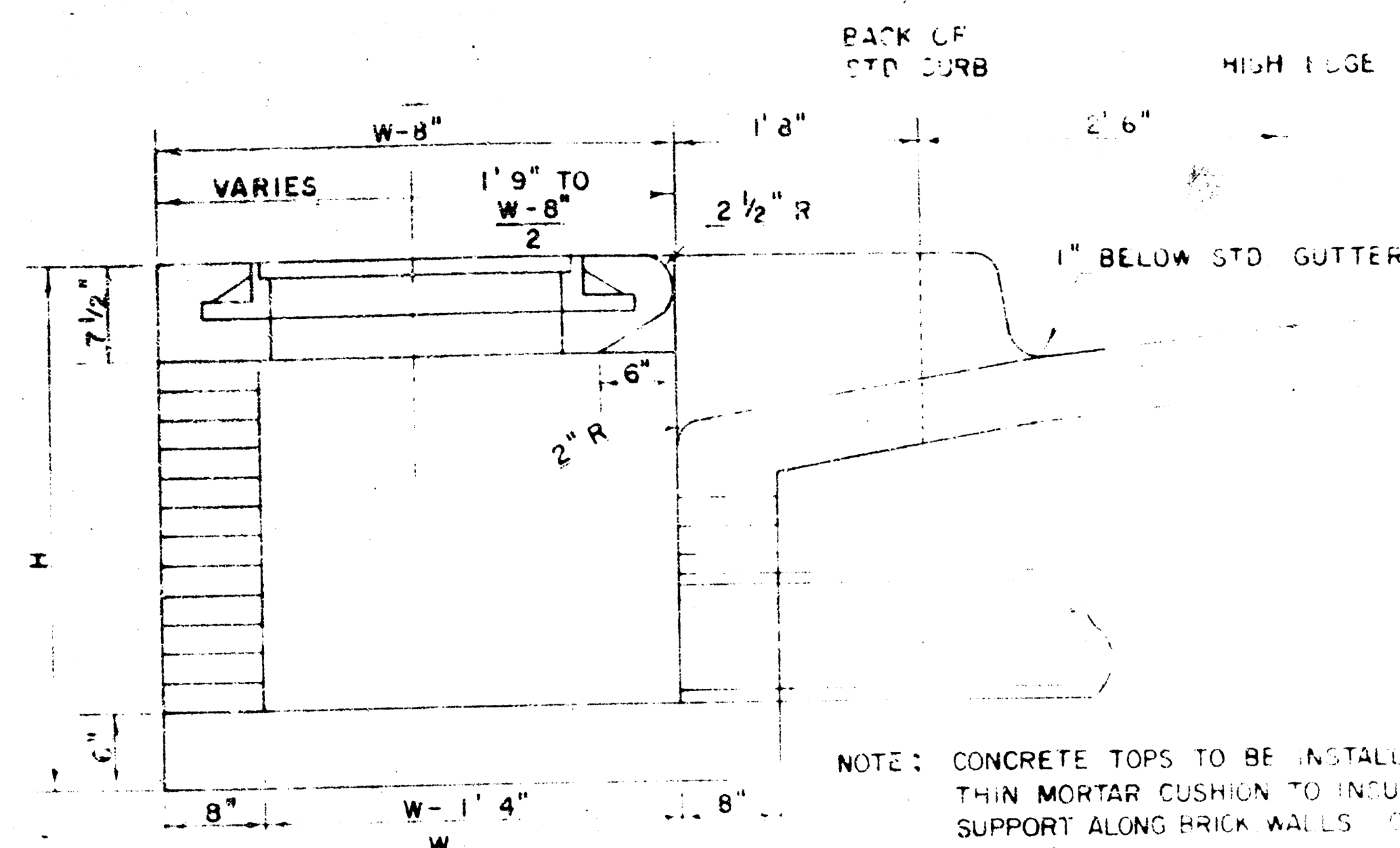
#### STEEL SCHEDULE

| BAR NUMBER | SIZE        | QTY | WT. LBS. |
|------------|-------------|-----|----------|
| 1          | 1/2" x 1/2" | 4   | 60*      |
| 2          | 1/2" x 1/2" | 4   | 77*      |
| 3          | 1/2" x 1/2" | 4   | 97*      |
| 4          | 1/2" x 1/2" | 4   | 111*     |
| 5          | 1/2" x 1/2" | 4   | 124*     |

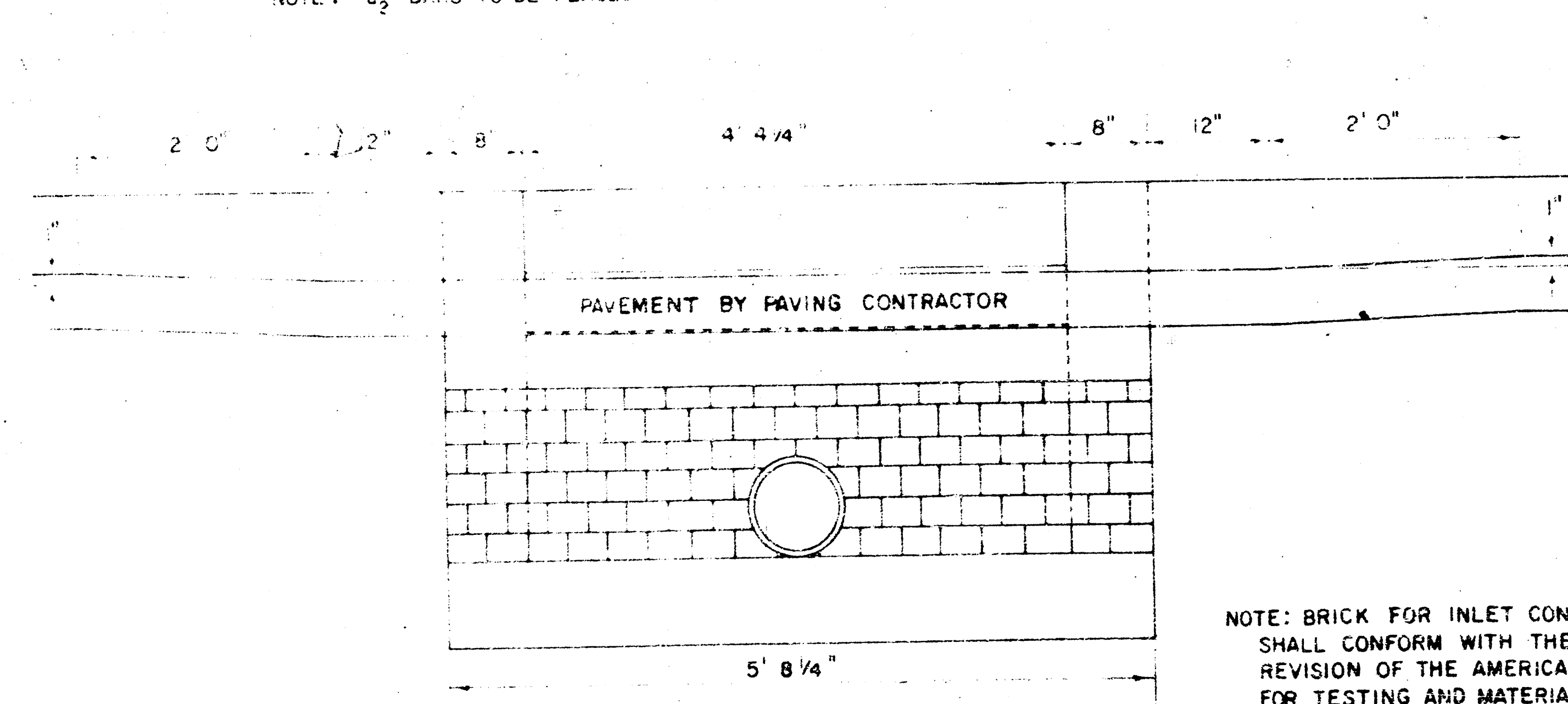
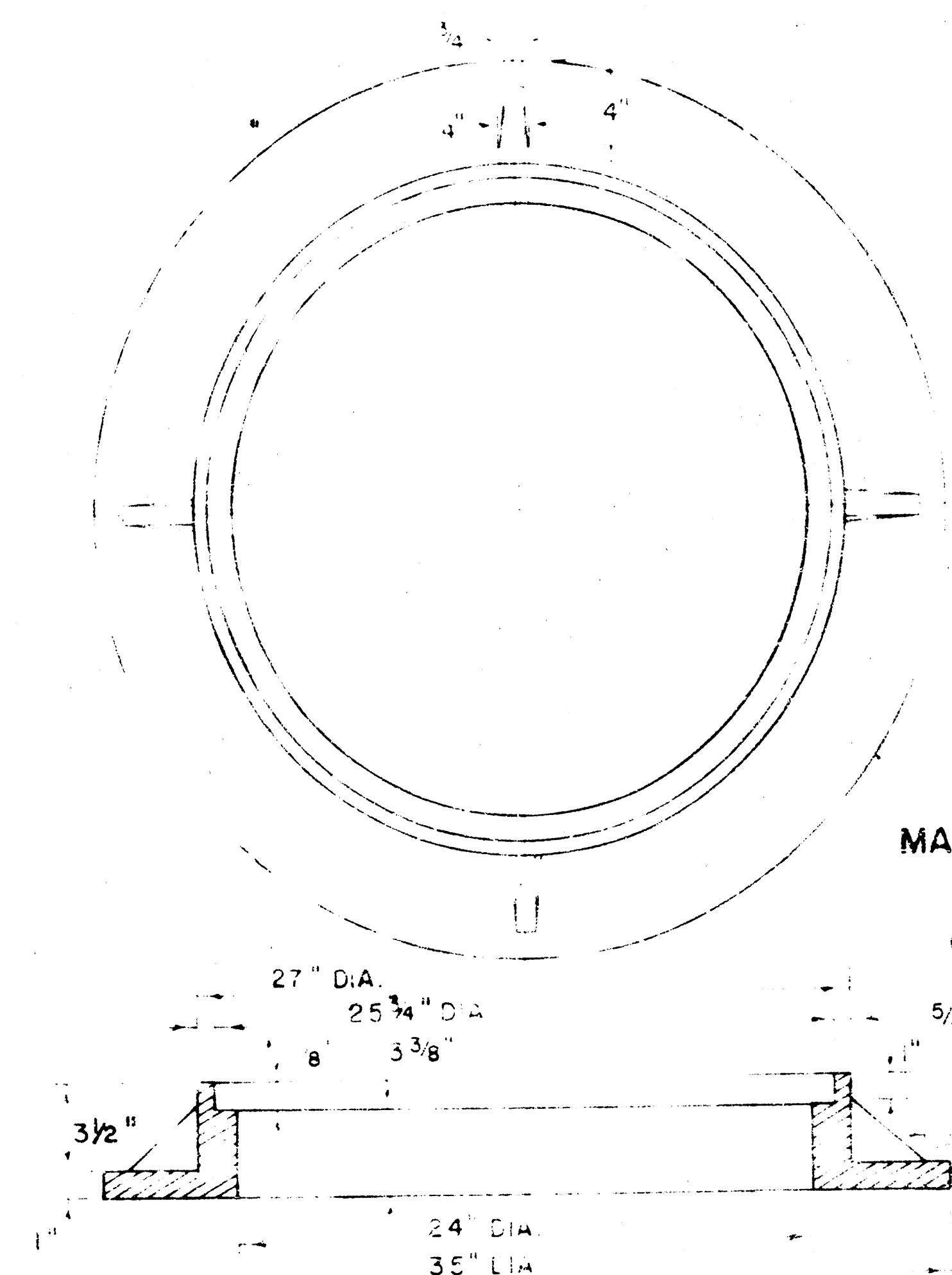
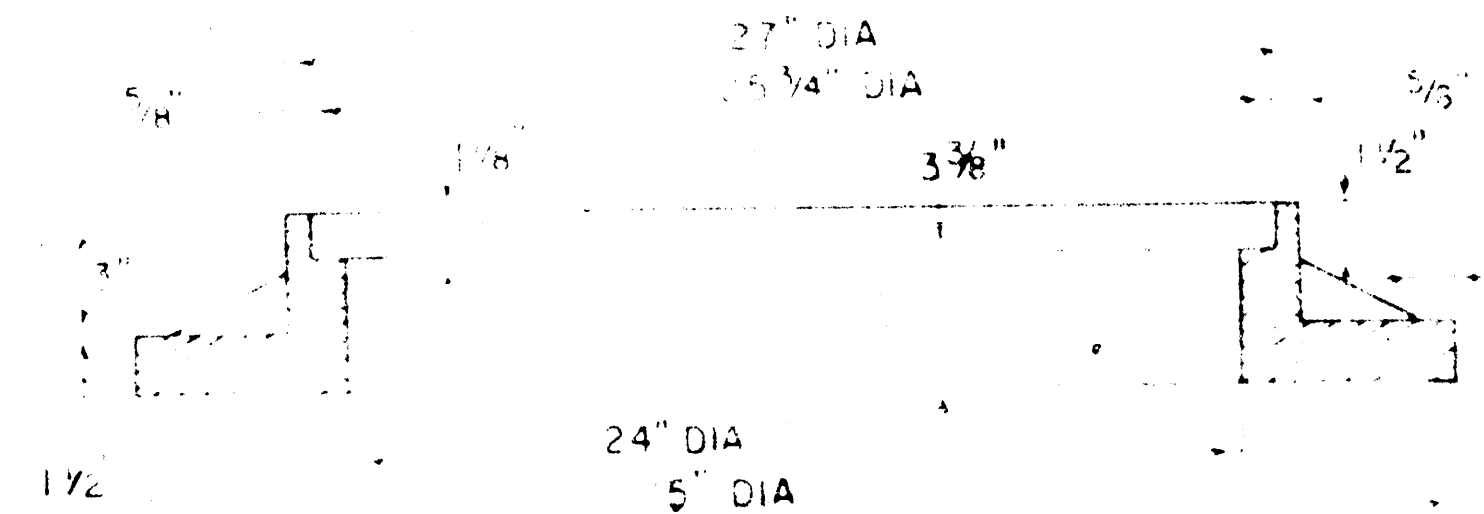
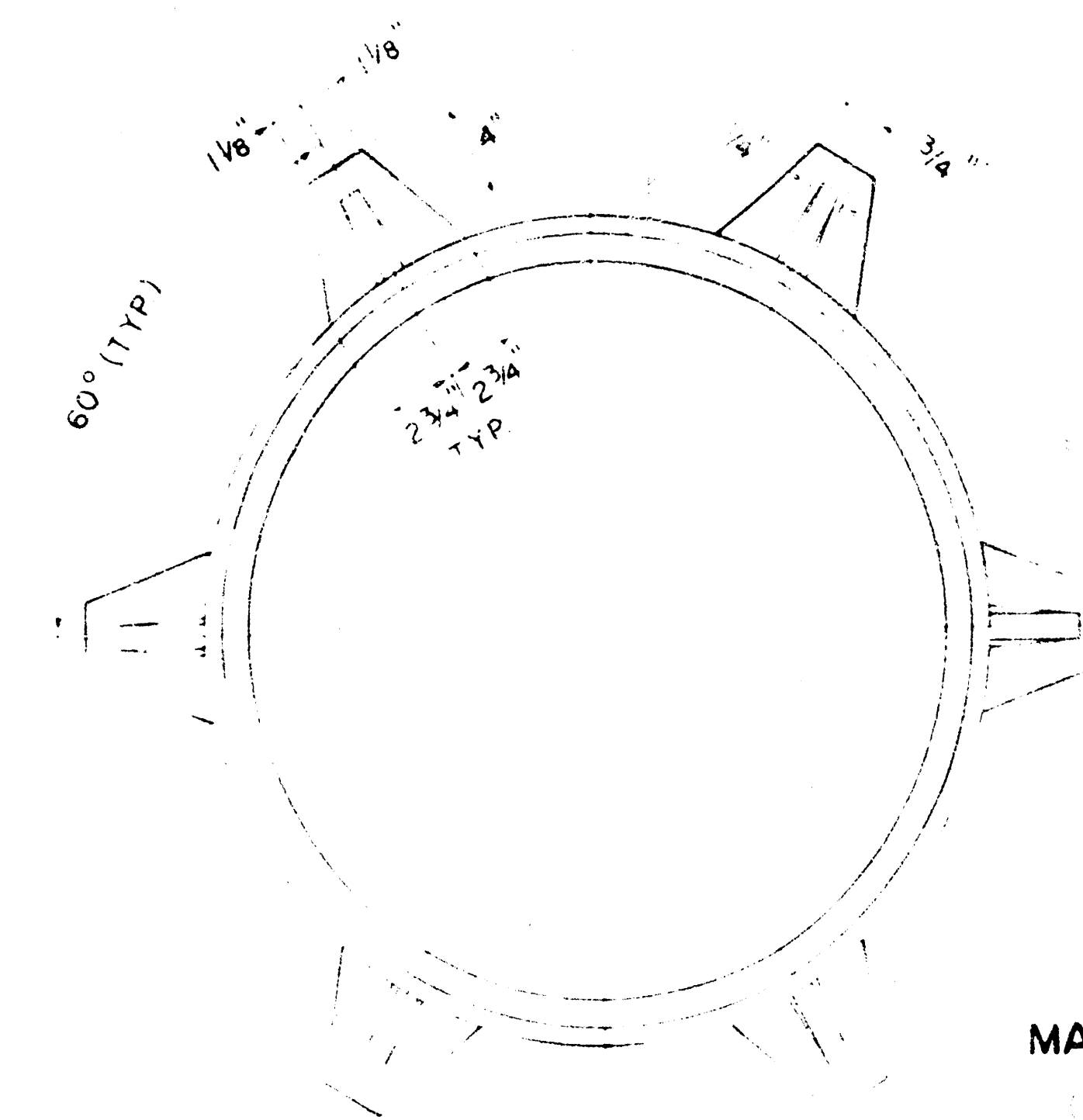
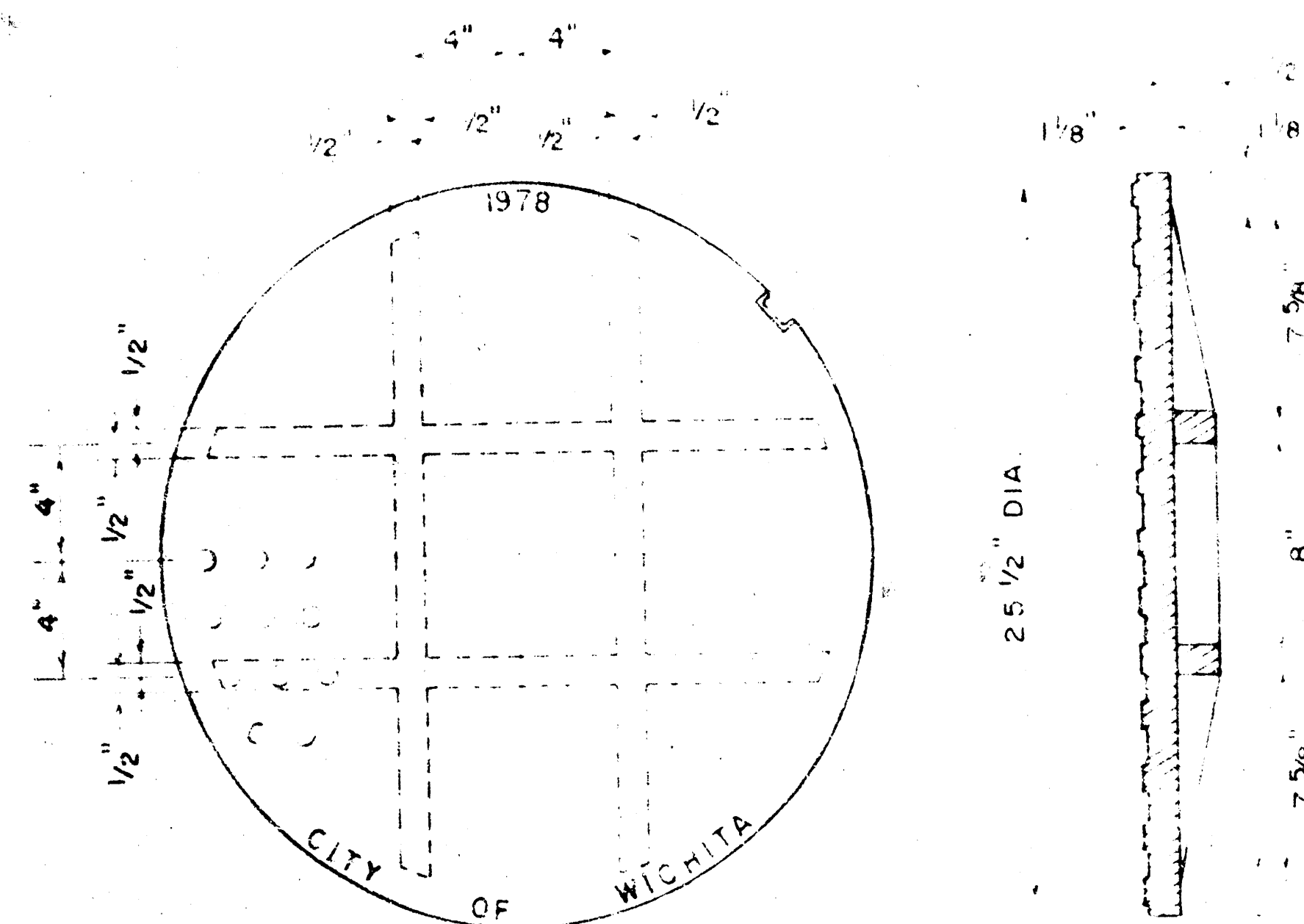
#### BENDING DIAGRAM

| W     | PRE-CAST TOP SIZE        | PIPE SIZE     | CU YD. CONC. |
|-------|--------------------------|---------------|--------------|
| 4' 2" | 36" x 5' 8 1/4" x 7 1/2" | 21" & SMALLER | 0.46*        |
| 5' 0" | 44" x 5' 8 1/4" x 7 1/2" | 24" & 30"     | 0.57*        |
| 6' 0" | 54" x 5' 8 1/4" x 7 1/2" | 36" & 42"     | 0.71*        |
| 7' 0" | 64" x 5' 8 1/4" x 7 1/2" | 48" & 54"     | 0.84*        |
| 8' 0" | 74" x 5' 8 1/4" x 7 1/2" | 60" & 66"     | 0.97*        |

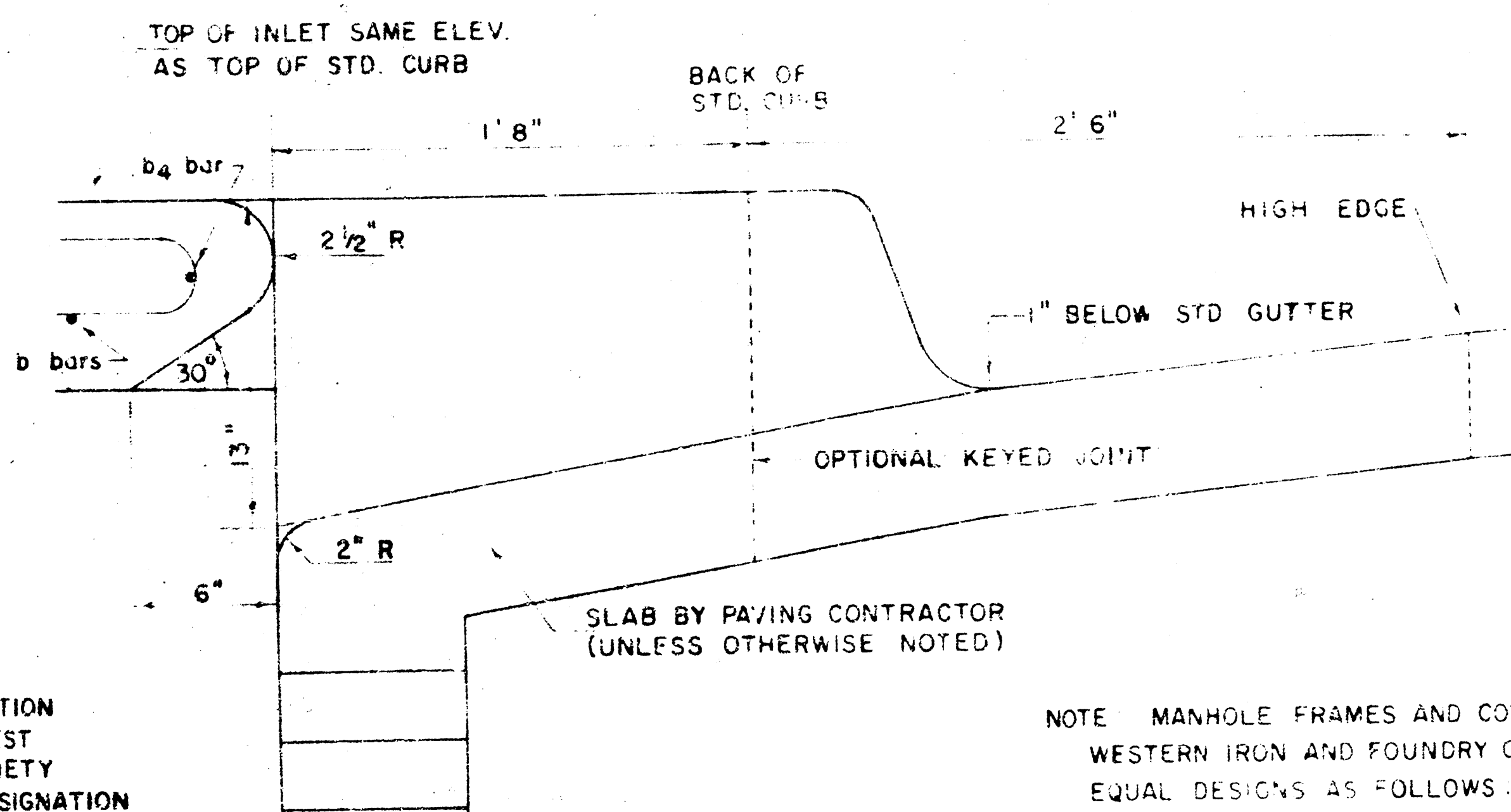
\* GROSS VOLUME



SECTION A-A  
(SCALE 1" = 1'0")



SECTION C-C  
(SCALE 1" = 1'0")



SECTION B-B  
(SCALE 1" = 6")

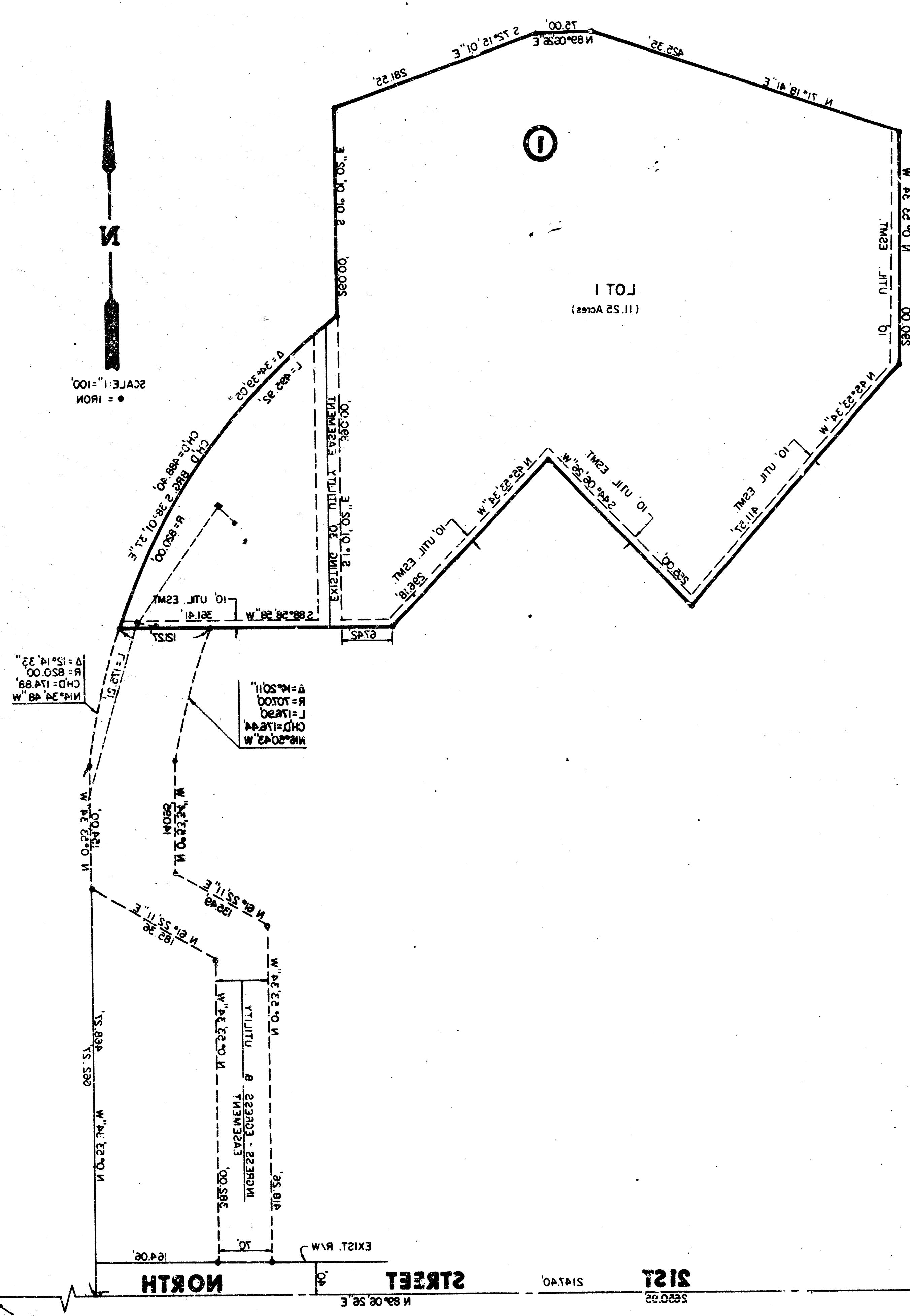
#### DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS  
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/  
CITY ENGINEER

JUNE, 1981



# AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS **TALLGRASS CLUBHOUSE** FINAL PLAT OF



I, Kenneth H. Henderson, a Civil Engineer in Kansas do hereby certify that I have been in responsible charge of surveying and platting of "Tallgrass Clubhouse," an addition to Wichita, Sedgewick County, Kansas into a lot and a block, the same being accurately set forth in the accompanying plat and described as follows:

A tract in the southwest quarter of Section 2, Township 23 South, Range 3 East of the 6th P.M., Sedgewick County, Kansas, commencing at the southwest corner of said Section 2, thence along the south line of said southwest quarter bearing N 89° 00' 20" E, 214.74 feet; thence N 0° 23' 34" W, 602.73 feet to a point on a curve to the left; thence along said curve having a central angle of 12° 11' 11", a radius of 850.00 feet, a long chord of 174.88 feet in length bearing N 73° 54' 48" W, a distance of 172.11 feet to the point of beginning; thence S 88° 28' 58" W, 301.41 feet; thence N 43° 23' 34" E, 320.16 feet; thence S 44° 00' 20" E, 322.00 feet; thence N 43° 23' 34" E, 411.27 feet; thence N 0° 23' 34" W, 300.00 feet; thence N 71° 18' 12" E, 452.25 feet; thence N 89° 00' 20" E, 300.00 feet; thence S 73° 54' 48" W, 12.01 feet; thence S 81° 01' 05" E, 300.00 feet to a point on a curve to the right having a central angle of 34° 28' 02", a radius of 850.00 feet, a long chord of 488.40 feet bearing S 38° 01' 37" E, a distance of 482.93 feet to the point of beginning.

I hereby certify that the details of this plat are correct to a part of my knowledge and belief as of this day of April, 1981.

Kenneth H. Henderson  
 Civil Engineer  
 100 North Rock Road, Suite 250  
 Wichita, Kansas 67202

Know all men by these presents that we the undersigned property owners of the land as hereinafter described in the Civil Engineer's Certificate have caused the same to be surveyed and platted into a lot and a block, the same to be known as "Tallgrass Clubhouse," an addition to Wichita, Sedgewick County, Kansas. These presents for the construction and maintenance of public utilities as indicated on the accompanying plat are hereby granted.

Tallgrass Clubhouse  
 100 North Rock Road, Suite 250  
 Wichita, Kansas 67202

STATE OF KANSAS  
 COUNTY OF SEDGWICK

Be it remembered that on this 22nd day of April, 1981, before me, a Notary Public in and for said State and County, came the Tallgrass Clubhouse, a corporation organized under the laws of the State of Kansas, to me personally known to be the person who executed the foregoing instrument of writing and this acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal this day and year above written.

William S. Hilt  
 Notary Public  
 My Appointment Expires: July 5, 1983

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas this 22nd day of April, 1981.

Mayor  
City Clerk

This plat of "Tallgrass Clubhouse," has been submitted to and approved by the Wichita-Sedgewick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 22nd day of April, 1981.

Chairman  
Vice-Chairman  
Secretary  
Members

This plat approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgewick County, Kansas this 22nd day of April, 1981.

Chairman  
Commissioners  
County Clerk

Entered on transfer record this 22nd day of April, 1981.

County Clerk

STATE OF KANSAS  
 COUNTY OF SEDGWICK

This is to certify that this instrument was filed for records in the Register of Deeds Office at 10:00 AM on the 22nd day of May, 1981.

Register of Deeds  
Deputy