

# GENERAL NOTES:

1. Notify the following companies prior to any excavation:

|                       |                |
|-----------------------|----------------|
| Arkla Gas Company     | 942-8350       |
| Bell Telephone        | 268-2256       |
| Cablevision           | 269-3340       |
| Gas Service Company   | 263-7511       |
| Kansas Gas & Electric | 261-6375       |
| Kansas One-Call       | 1-800-344-7233 |

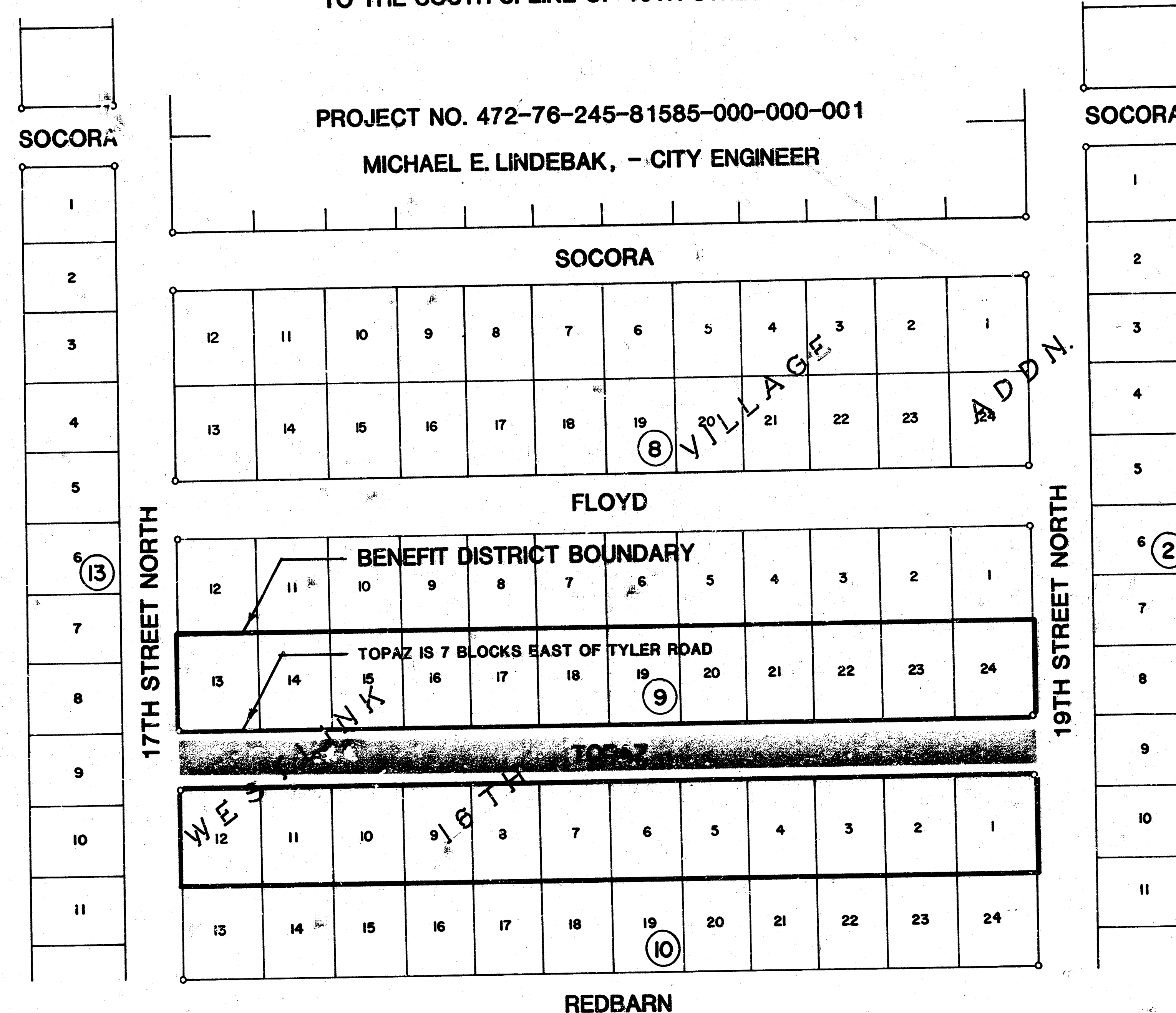
2. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.

3. 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.

## CONSTRUCTION PLANS FOR STREET IMPROVEMENTS

### WESTLINK VILLAGE 16TH ADDITION TO THE CITY OF WICHITA, KANSAS

TOPAZ FROM THE N. LINE OF 17TH STREET NORTH  
TO THE SOUTH S. LINE OF 19TH STREET NORTH



## INDEX

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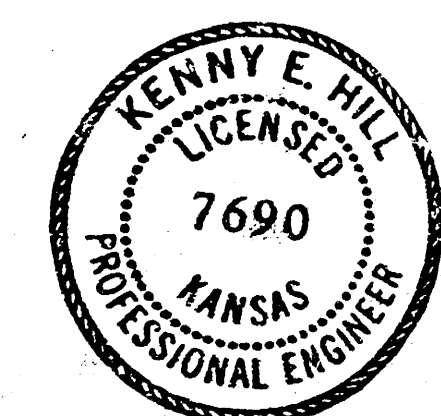
## BENCH MARKS

- B.M. 169.949 City of Wichita Standard Disk. 38' West and 90' South of Centerline Tyler and 21ST St.
- B.M. 161.34 "x" Cut on S.E. Cor. Ch. Inlet at S.W. Cor. of 19TH and Reda.
- B.M. 159.83 "x" Cut on N.E. Cor. Ch. Inlet at N.W. Cor. 17TH and Topaz.

NOVEMBER 1986

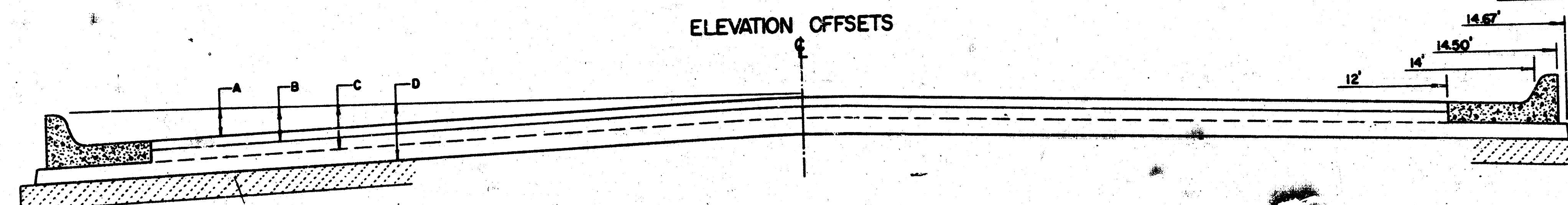
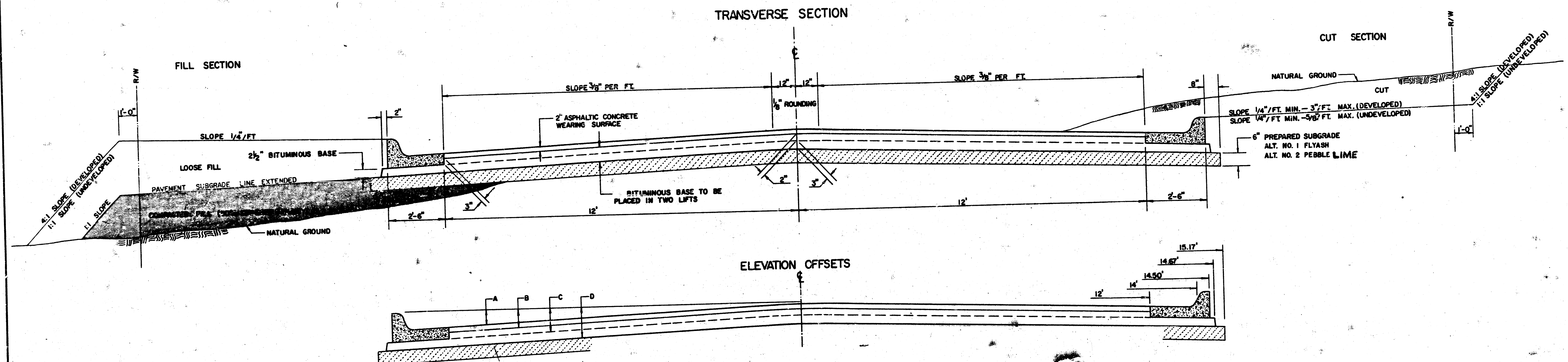
PLANS PREPARED  
BY

POE & ASSOCIATES OF KANSAS INC.  
CONSULTING ENGINEERS  
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/685-4114



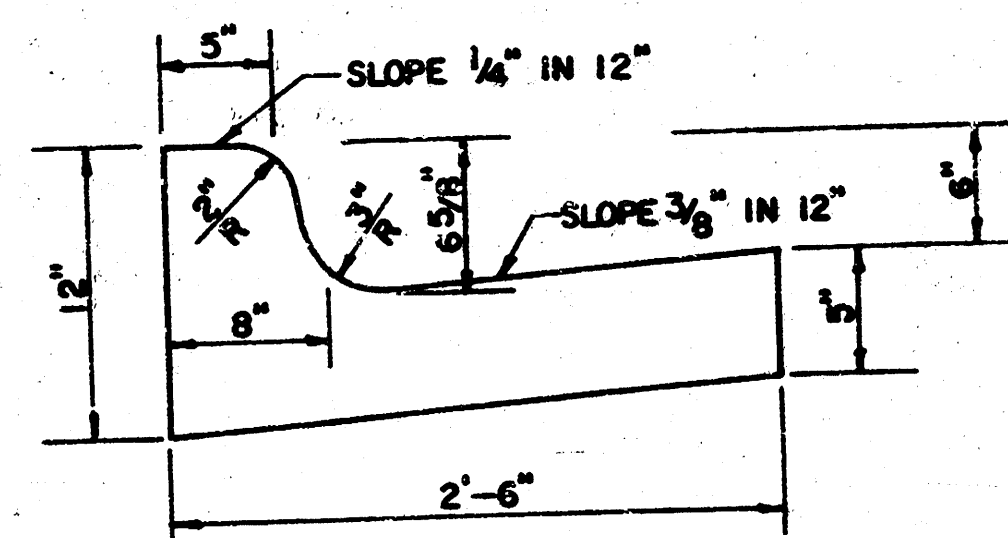
Sheet No. 1 of 8

# TYPICAL 29' PAVEMENT DETAILS

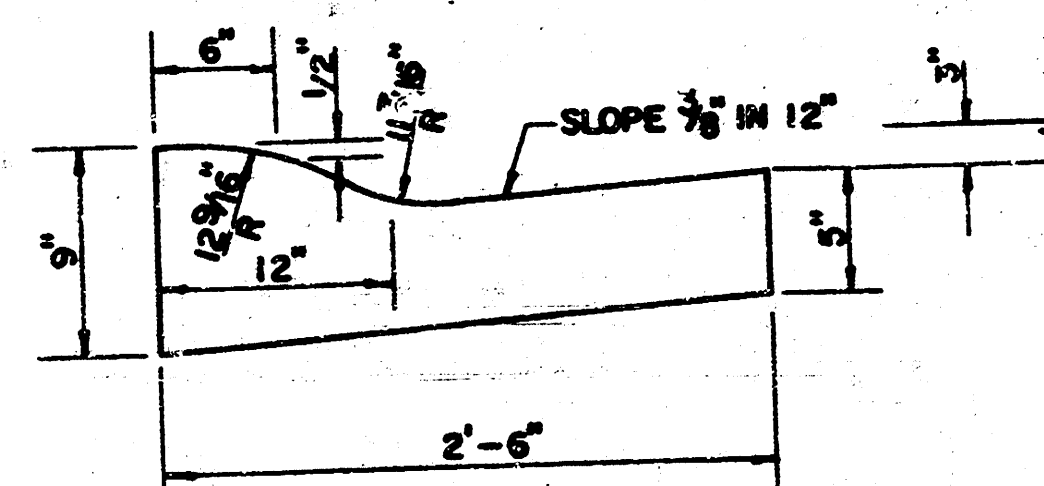


|                                           | DISTANCE FROM CENTERLINE (LT. & RT.) |      |      |      |      |      |      |      |      |       |        |        |
|-------------------------------------------|--------------------------------------|------|------|------|------|------|------|------|------|-------|--------|--------|
|                                           | 0'                                   | 2'   | 4'   | 6'   | 7'   | 8'   | 10'  | 12'  | 14'  | 14.5' | 14.67' | 15.17' |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT    | 0.13                                 | 0.18 | 0.24 | 0.30 | 0.33 | 0.36 | 0.43 | 0.49 | —    | —     | —      | —      |
| B: TOP OF CURBS TO TOP OF UPPER BASE LIFT | 0.30                                 | 0.35 | 0.41 | 0.47 | 0.50 | 0.53 | 0.60 | 0.66 | —    | —     | —      | —      |
| C: TOP OF CURBS TO TOP OF LOWER BASE LIFT | 0.47                                 | 0.52 | 0.60 | 0.68 | 0.71 | 0.75 | 0.83 | 0.90 | 0.98 | 1.00  | 1.01   | —      |
| D: TOP OF CURBS TO TOP OF SUBGRADE        | 0.72                                 | 0.77 | 0.84 | 0.91 | 0.94 | 0.98 | 1.05 | 1.12 | 1.19 | 1.21  | 1.21   | 1.23   |

## COMBINED CURB & GUTTER



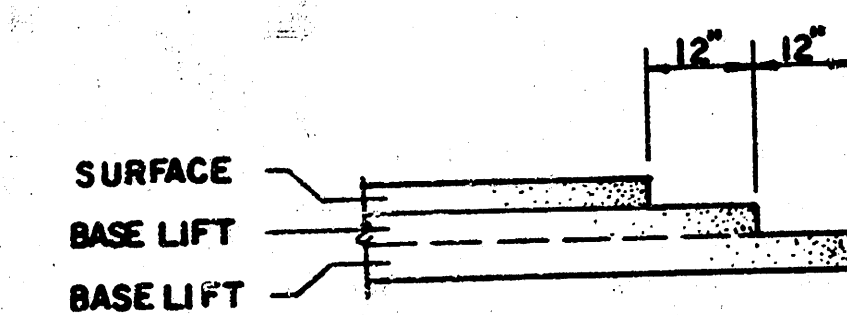
## ROLL TYPE COMBINED CURB & GUTTER



## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

## TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

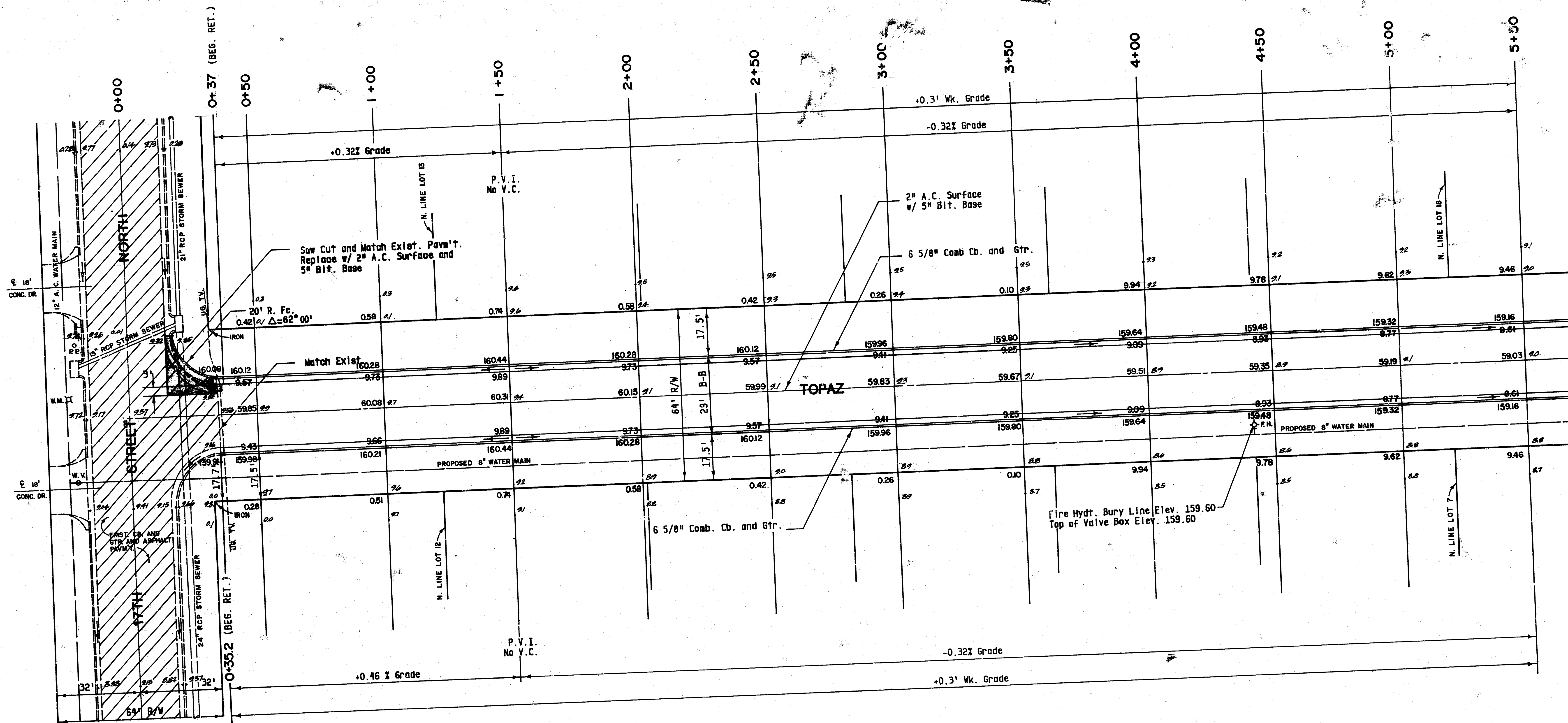
POE & ASSOCIATES OF KANSAS INC.  
CONSULTING ENGINEERS

434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316-685-1114

7 INCH RESIDENTIAL ASPHALTIC CONCRETE  
PAVEMENT WITH 5 INCH BITUMINOUS BASE  
CITY OF WICHITA, KANSAS

DATE: NOV. 1986  
SHEET: 2 OF 8

PROJECT NUMBER  
472-76-245-81585-000-000-001



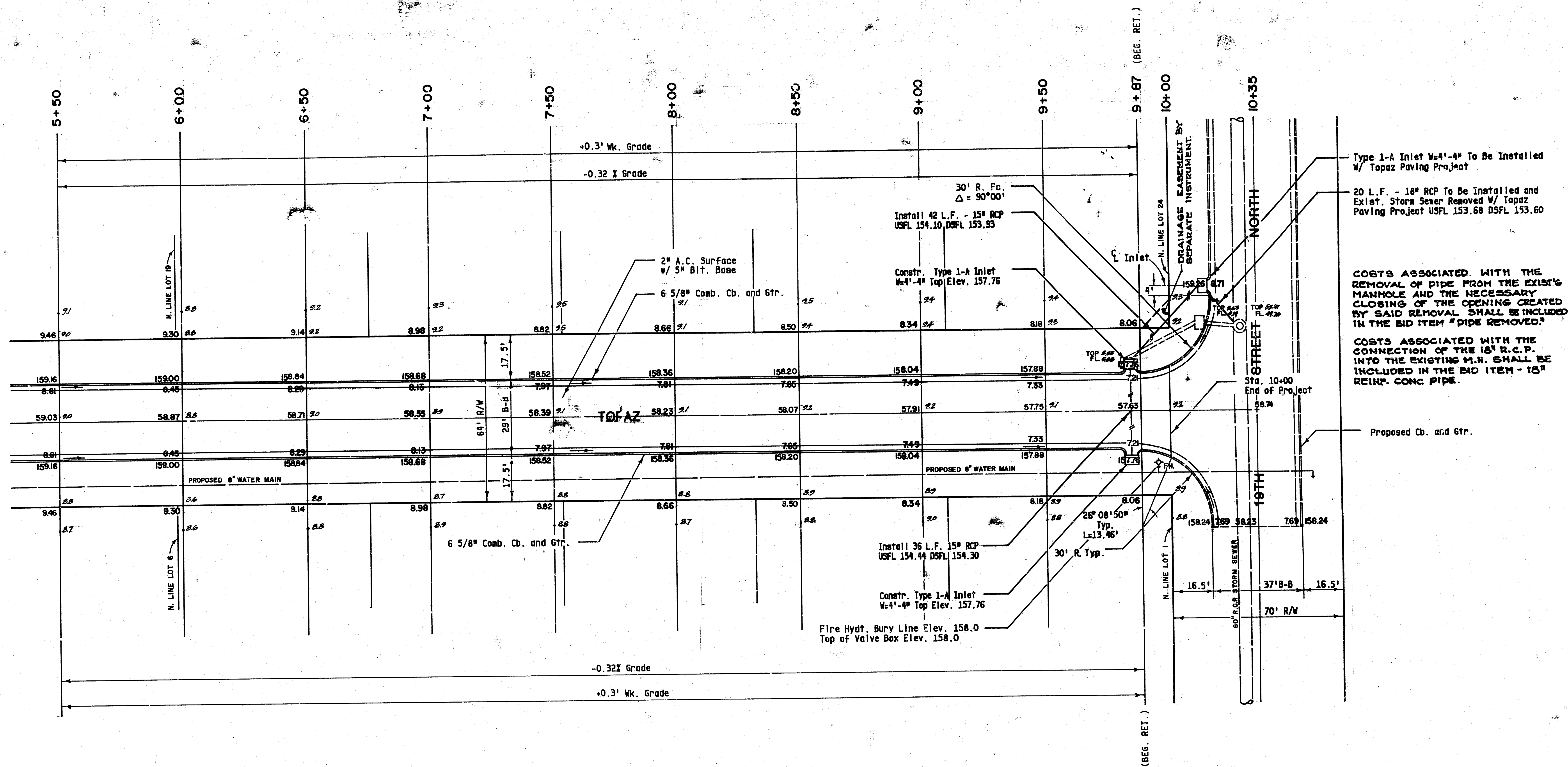
INTERSECTION QUANTITIES

|      |                                                       |
|------|-------------------------------------------------------|
| —    | S.Y. 2" Asphalt Surface                               |
| 18.0 | S.Y. 7" Asphaltic Conc. Pavement (6" Bituminous Base) |
| 8.0  | S.Y. 2 1/2" Bituminous Base                           |
| 26.8 | L.F. Combined Curb & Gutter                           |
| —    | L.F. Integral Curb                                    |
| 2.4  | C.Y. Excavation                                       |
| —    | C.Y. Compacted Fill                                   |
| 27.4 | S.Y. Manipulation                                     |
| 0.22 | Tons Lime or 0.82 Tons Flyash                         |
| —    | S.Y. V.G. 5" Concrete & 3" Asphaltic Concrete Base    |
| 31.4 | L.F. Remove Curb                                      |
| 11.5 | S.Y. Pavm't Removal                                   |

Earthwork Totals  
 Total Excavation 1298.2 C.Y.  
 Loose Fill 639.8 C.Y.  
 Manipulated Fill 24.4 C.Y.  
 Manipulation 3282.6 S.Y.

N  
 SCALE: 1" = 20'

|                                                                                                                                                    |                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>POE &amp; ASSOCIATES OF KANSAS INC.</b><br><b>CONSULTING ENGINEERS</b><br><small>434 N. Olive, Suite 110 Wichita, KS 67202 316/265-4114</small> |                                                                                                                                                                 |
| DESIGNED BY: K.H.<br>DRAWN BY: B.H.<br>CHECKED BY:<br>DATE: NOV. 1986<br>SHEET: 3 OF 8                                                             | CITY OF WICHITA, KANSAS<br><b>WESTLINK VILLAGE 16TH ADDITION</b><br>STREET IMPROVEMENTS<br>TOPAZ STA. 0+00 TO STA. 5+50<br>PROJECT NO. 472-76-245-81585-000-000 |



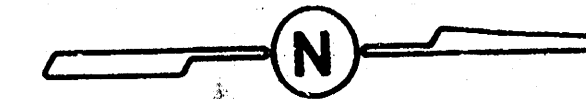
Type 1-A Inlet W-4'-4" To Be Installed w/ Topaz Paving Project

20 L.F. - 18" RCP To Be Installed and Exist. Storm Sewer Removed w/ Topaz Paving Project USFL 153.68 DSFL 153.60

COSTS ASSOCIATED WITH THE REMOVAL OF PIPE FROM THE EXIST'G MANHOLE AND THE NECESSARY CLOSING OF THE OPENING CREATED BY SAID REMOVAL SHALL BE INCLUDED IN THE BID ITEM "PIPE REMOVED."

COSTS ASSOCIATED WITH THE CONNECTION OF THE 18" R.C.P. INTO THE EXISTING M.N. SHALL BE INCLUDED IN THE BID ITEM - 18" REINF. CONC PIPE.

Proposed Cb. and Gtr.

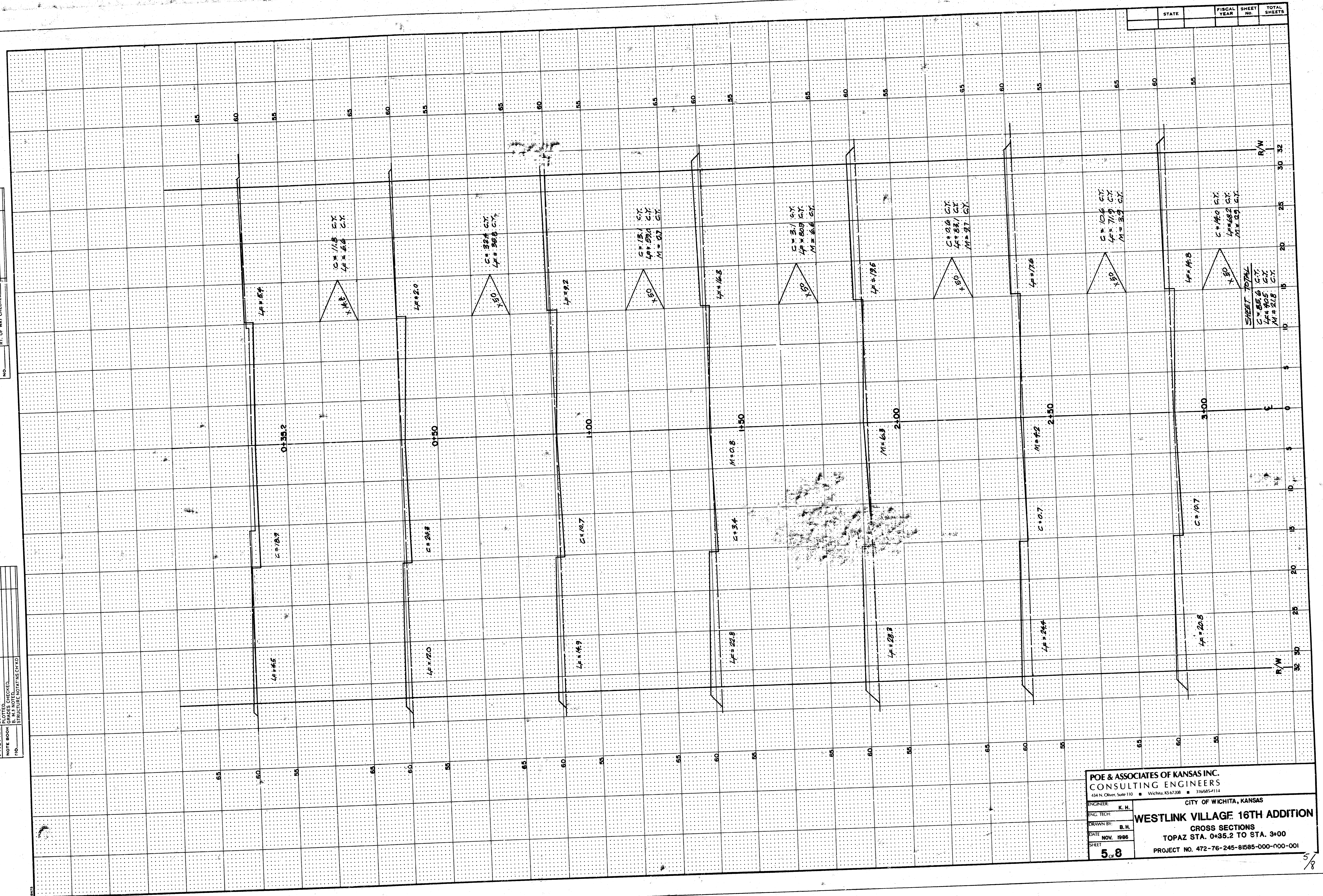


SCALE: 1" = 20'

|                                                                                                                                                         |                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>POE &amp; ASSOCIATES OF KANSAS INC.</b><br><b>CONSULTING ENGINEERS</b><br><small>434 N. Oliver, Suite 110 • Wichita, KS 67203 • 316-265-4114</small> |                                                                                                                                                                        |
| DESIGNED BY: K.H.<br>DRAWN BY: B.H.<br>CHECKED BY:<br>DATE: NOV. 1986<br>SHEET: 4 OF 8                                                                  | CITY OF WICHITA, KANSAS<br><b>WESTLINK VILLAGE 16TH ADDITION</b><br>STREET IMPROVEMENTS<br>TOPAZ STA. 5+50 TO STA. 10+35.2<br>PROJECT NO. 472-76-245-81585-000-000-001 |

|      |                    |    |      |
|------|--------------------|----|------|
| PLAN | SURVISED           | BY | DATE |
|      | NOTE BOOK          |    |      |
|      | RT. OF WAY CHECKED |    |      |

|         |                     |    |      |
|---------|---------------------|----|------|
| PROFILE | GRADES              | BY | DATE |
|         | NOTED               |    |      |
|         | STRUCTURE NOTATIONS |    |      |

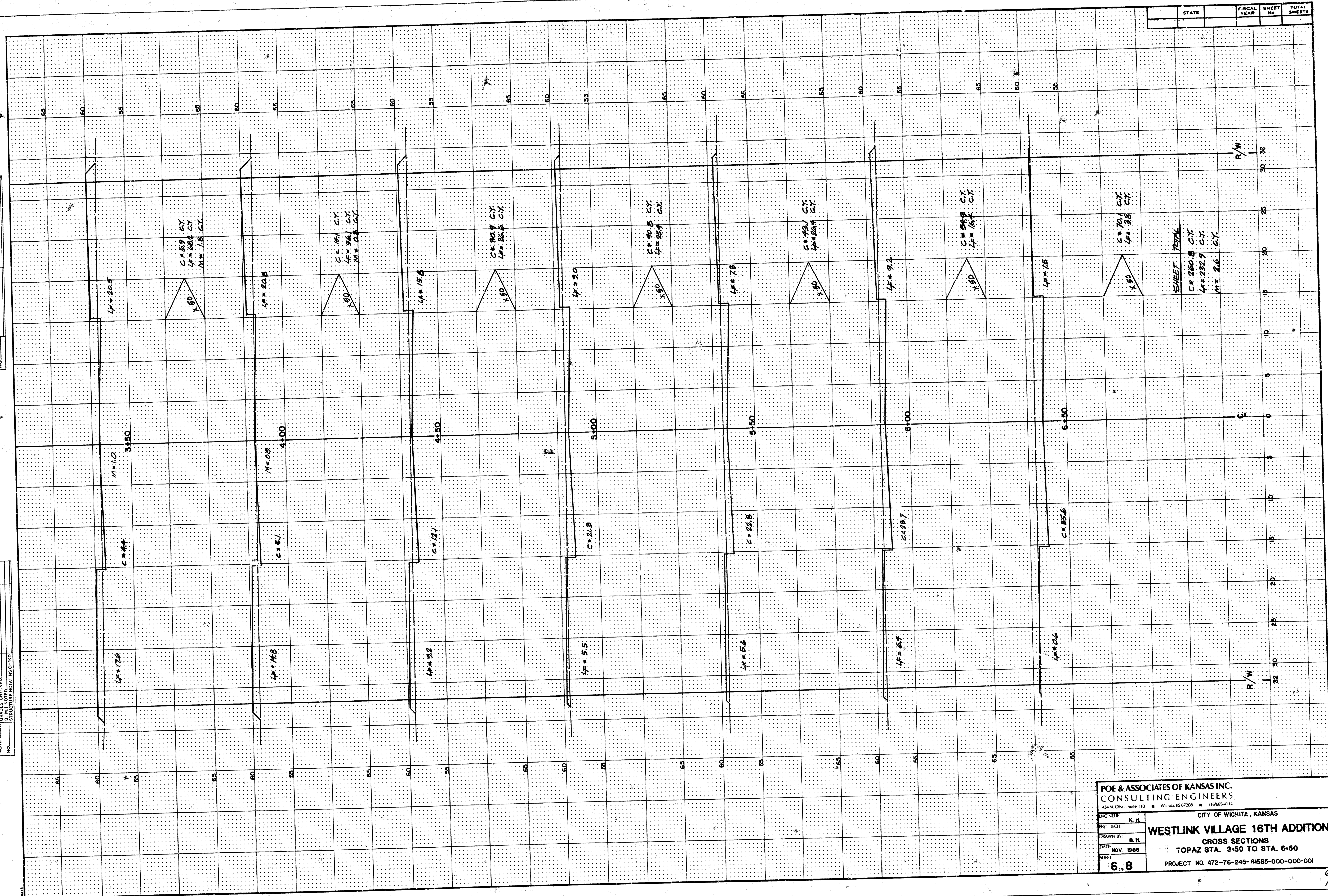


|                                                             |           |
|-------------------------------------------------------------|-----------|
| POE & ASSOCIATES OF KANSAS INC.                             |           |
| CONSULTING ENGINEERS                                        |           |
| 434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/685-1114 |           |
| ENGINEER                                                    | K. H.     |
| DRAWN BY                                                    | B. H.     |
| DATE                                                        | NOV. 1986 |
| SHEET                                                       | 5 OF 8    |

|                                          |
|------------------------------------------|
| CITY OF WICHITA, KANSAS                  |
| WESTLINK VILLAGE 16TH ADDITION           |
| CROSS SECTIONS                           |
| TOPAZ STA. 0+35.2 TO STA. 3+00           |
| PROJECT NO. 472-76-245-81585-000-100-001 |

|      |            |         |      |
|------|------------|---------|------|
| PLAN | SURVEYED   | BY      | DATE |
|      | NOTE BOOK  | ALIGNED |      |
|      | RT. OF WAY | CHECKED |      |

|         |            |         |      |
|---------|------------|---------|------|
| PROFILE | SURVEYED   | BY      | DATE |
|         | NOTE BOOK  | GRADES  |      |
|         | RT. OF WAY | CHECKED |      |

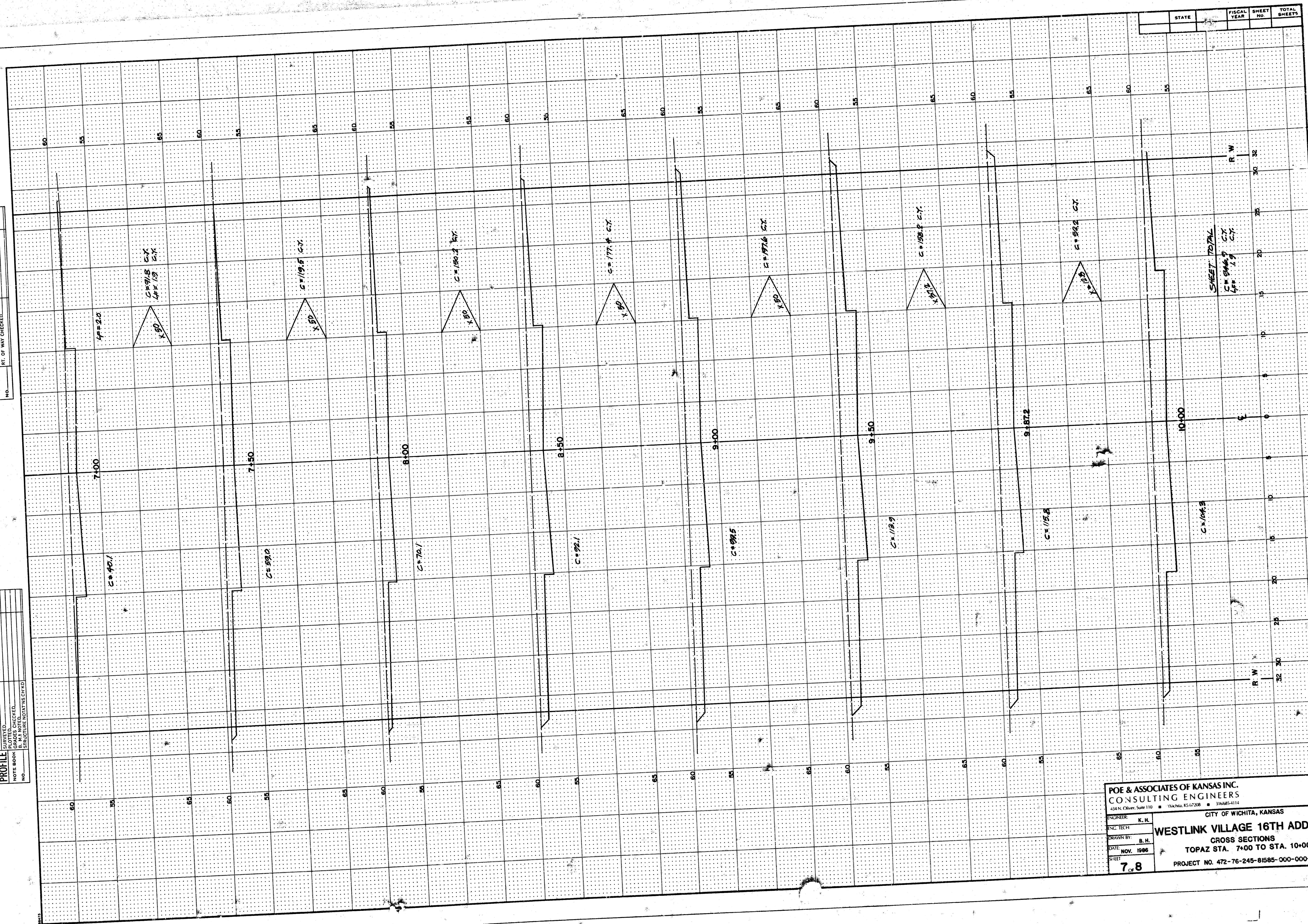


|                                                             |           |
|-------------------------------------------------------------|-----------|
| POE & ASSOCIATES OF KANSAS INC.                             |           |
| CONSULTING ENGINEERS                                        |           |
| 434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/855-4114 |           |
| ENGINEER:                                                   | K. H.     |
| DRAWN BY:                                                   | B. H.     |
| DATE:                                                       | NOV. 1986 |
| SHEET:                                                      | 6/8       |

|                                          |
|------------------------------------------|
| CITY OF WICHITA, KANSAS                  |
| WESTLINK VILLAGE 16TH ADDITION           |
| CROSS SECTIONS                           |
| TOPAZ STA. 3+50 TO STA. 6+50             |
| PROJECT NO. 472-76-245-R1565-000-000-001 |

|           |                    |  |      |
|-----------|--------------------|--|------|
| PLAN      | BY                 |  | DATE |
|           |                    |  |      |
| NOTE BOOK | SURVEYED           |  |      |
|           | PLOTTED            |  |      |
|           | ALIGNMENT CHECKED  |  |      |
| NO.       | RT. OF WAY CHECKED |  |      |
|           |                    |  |      |

|                       |       |    |       |      |       |
|-----------------------|-------|----|-------|------|-------|
| NO.                   | _____ | BY | _____ | DATE | _____ |
| NOTE BOOK             | _____ |    |       |      |       |
| GRADES CHECKED        | _____ |    |       |      |       |
| B. M. NOTED           | _____ |    |       |      |       |
| B. M. NOTATIONS CHK'D | _____ |    |       |      |       |
| PROFILE               | _____ |    |       |      |       |
| SURVEYED              | _____ |    |       |      |       |
| PLOTS CHECKED         | _____ |    |       |      |       |



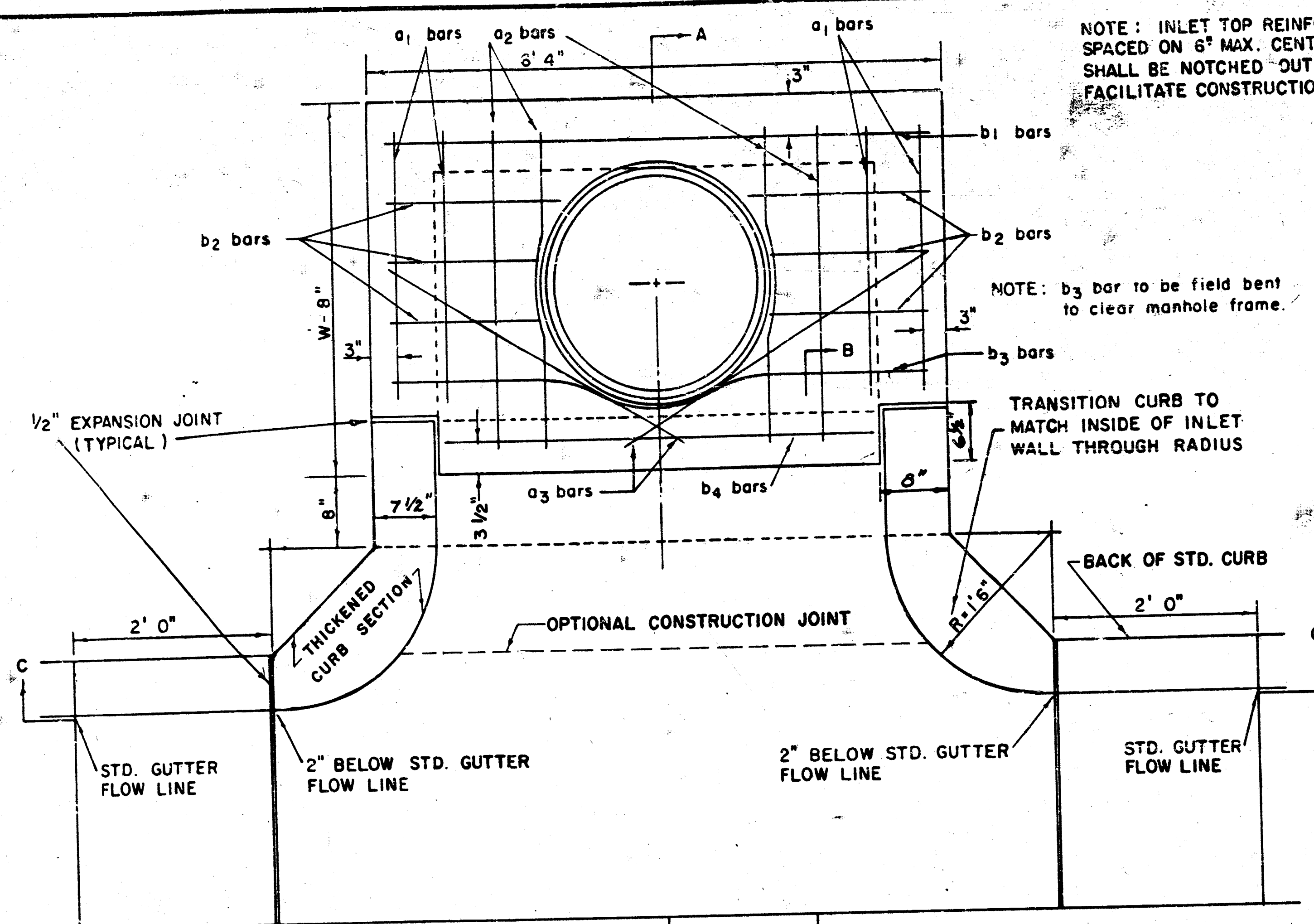
POE & ASSOCIATES OF KANSAS INC.  
CONSULTING ENGINEERS  
414 N. Oliver, Suite 110 • WICHITA, KS 67208 • 316-685-4114

CITY OF WICHITA, KANSAS

ENGINEER: K. H.  
ENCL. TECH.  
DRAWN BY: B. H.  
DATE: NOV. 1986  
SHEET

WESTLINK VILLAGE 16TH ADDITION  
CROSS SECTIONS  
TOPAZ STA. 7+00 TO STA. 10+00  
PROJECT NO. 472-76-245-81585-000-000-001

7 of 8



PLAN

| BAR NUMBER | STEEL SCHEDULE |                |                |                |                |                |                |                |                |                | WT. LBS. |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|
|            | a <sub>1</sub> | a <sub>2</sub> | a <sub>3</sub> | b <sub>1</sub> | b <sub>2</sub> | b <sub>3</sub> | b <sub>4</sub> | b <sub>5</sub> | b <sub>6</sub> | b <sub>7</sub> |          |
| SIZE       | #4             | #4             | #4             | #4             | #4             | #4             | #4             | #4             | #4             | #4             |          |
| W=4'4"     | 5'7"           | 6'7"           | 4'0"           | 6'1"           | -              | -              | -              | -              | 1'9"           | 6'2"           | 60±      |
| W=5'4"     | 7'7"           | 8'7"           | 5'0"           | 6'1"           | -              | -              | -              | -              | 1'9"           | 6'2"           | 81±      |
| W=6'4"     | 9'7"           | 10'7"          | 6'0"           | 6'1"           | -              | -              | -              | -              | 1'9"           | 6'2"           | 101±     |
| W=7'4"     | 11'7"          | 12'7"          | 7'0"           | 6'1"           | -              | -              | -              | -              | 1'9"           | 6'2"           | 121±     |
| W=8'4"     | 13'7"          | 14'7"          | 8'0"           | 6'1"           | -              | -              | -              | -              | 1'9"           | 6'2"           | 141±     |

\* NOTE: a<sub>3</sub> BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

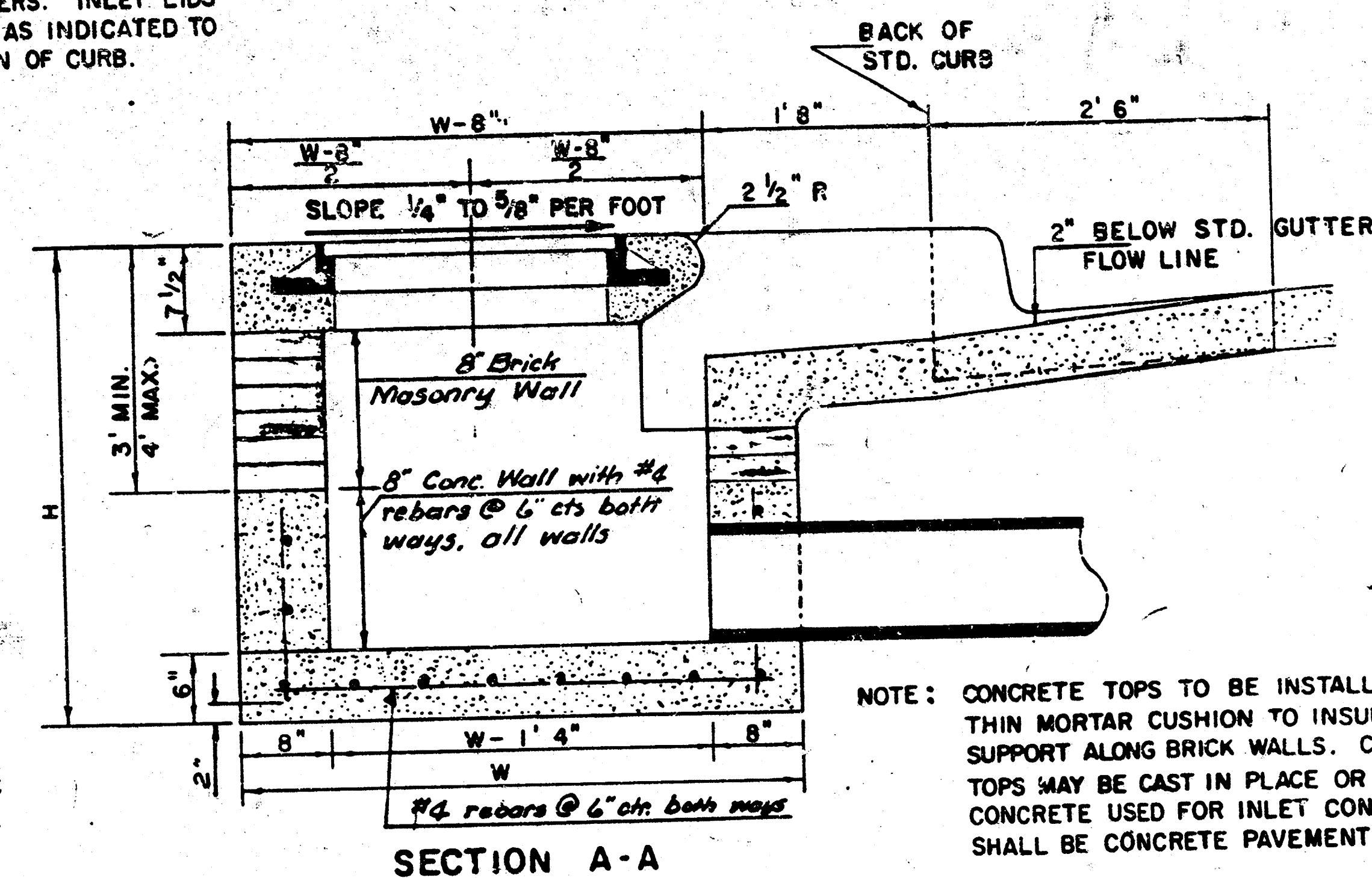
BENDING DIAGRAM

| W     | PRE-CAST TOP SIZE      | PIPE SIZE     | CU. YD. CONC. |
|-------|------------------------|---------------|---------------|
| 4' 4" | 3' 6" x 6' 4" x 7 1/2" | 21" & SMALLER | 0.38 ±        |
| 5' 4" | 4' 6" x 6' 4" x 7 1/2" | 24" & 30"     | 0.51 ±        |
| 6' 4" | 5' 8" x 6' 4" x 7 1/2" | 36" & 42"     | 0.64 ±        |
| 7' 4" | 6' 8" x 6' 4" x 7 1/2" | 48" & 54"     | 0.77 ±        |
| 8' 4" | 7' 8" x 6' 4" x 7 1/2" | 60" & 66"     | 0.90 ±        |

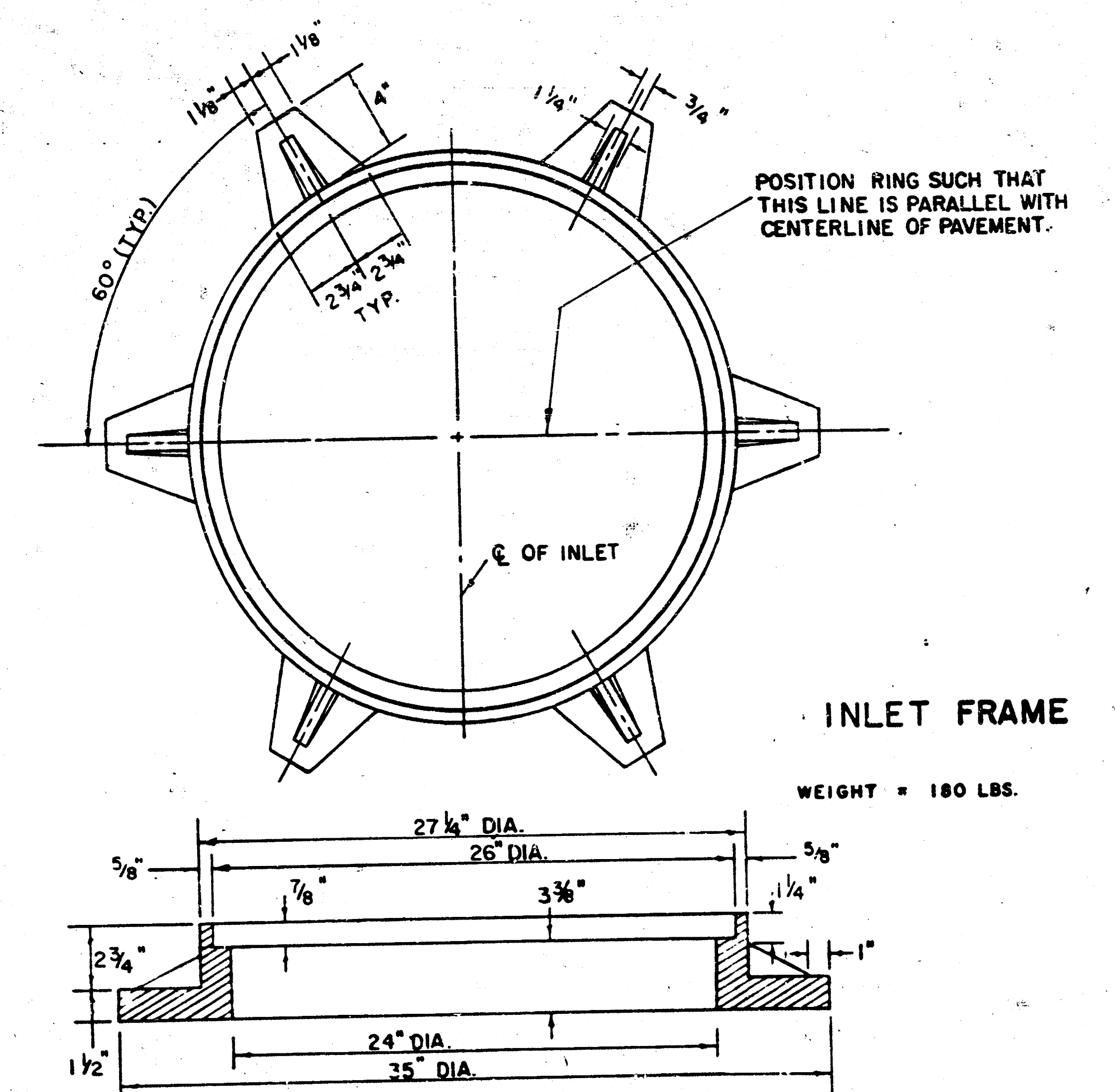
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b<sub>3</sub> bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS

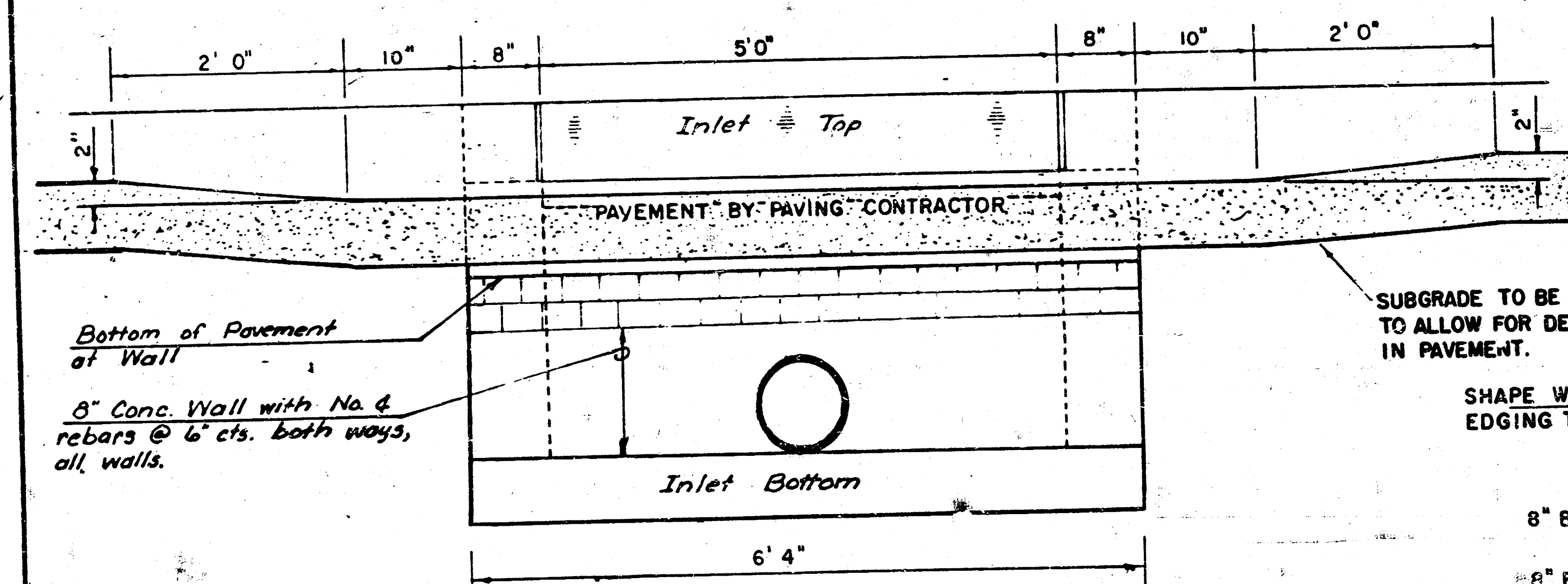


SECTION A-A

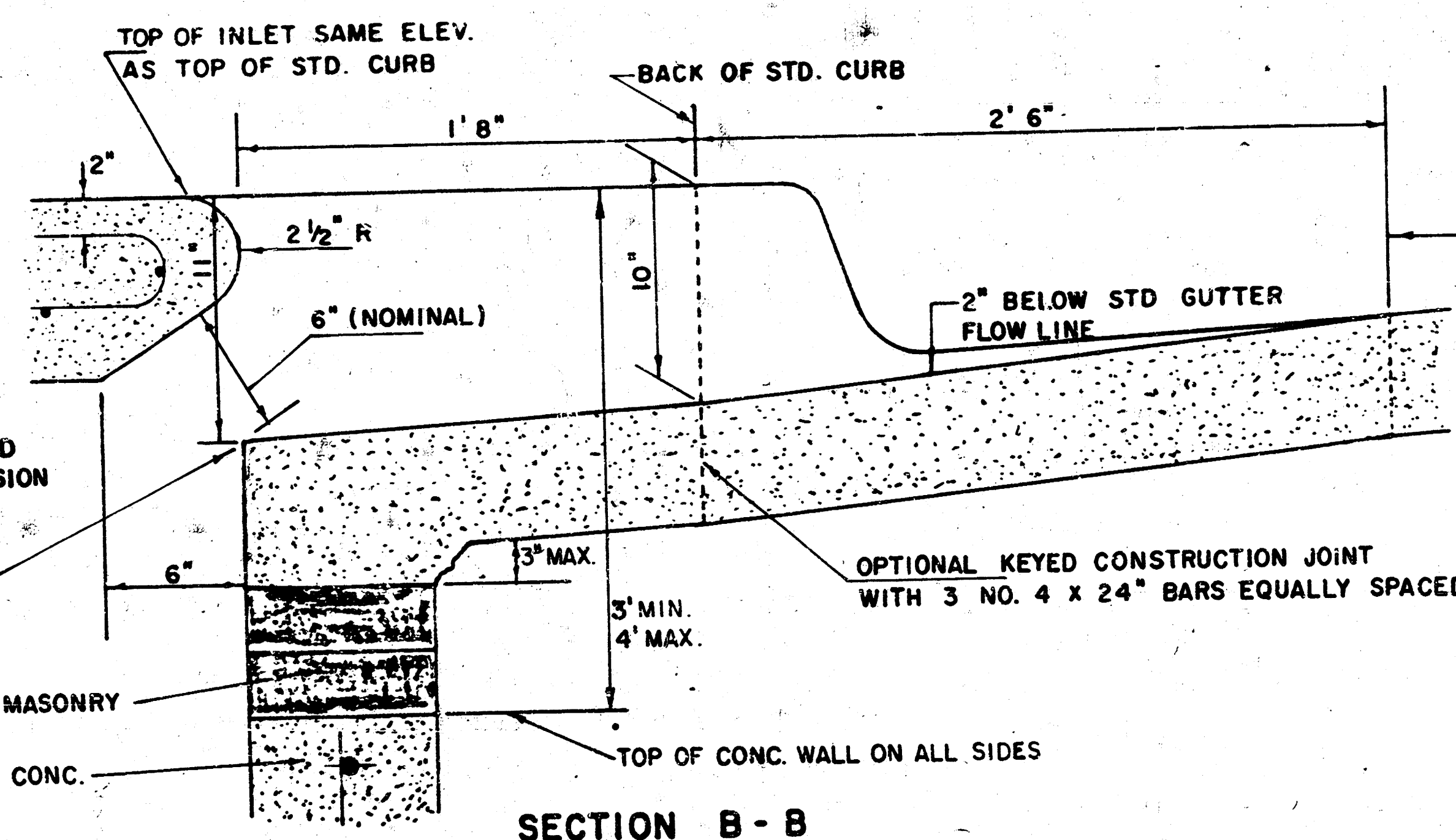


INLET FRAME

SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



SECTION B-B

REVISED 12-21-1984

PROJECT NO. 472-76-245-81585-000-000-001

DETAIL STANDARD TYPE IA CURB INLET  
CITY OF WICHITA, KANSAS  
INLET OPENING = 6" x 5' 0"

JUNE 1984

8/8