

# CITY OF WICHITA, KANSAS

## PAVING IMPROVEMENTS

### SHERIDAN AVENUE

[FROM THE SOUTH LINE OF MCCORMICK TO AND INCLUDING CUL-DE-SAC]

PROJECT NO.: 472-76-245-81862-000-000-001

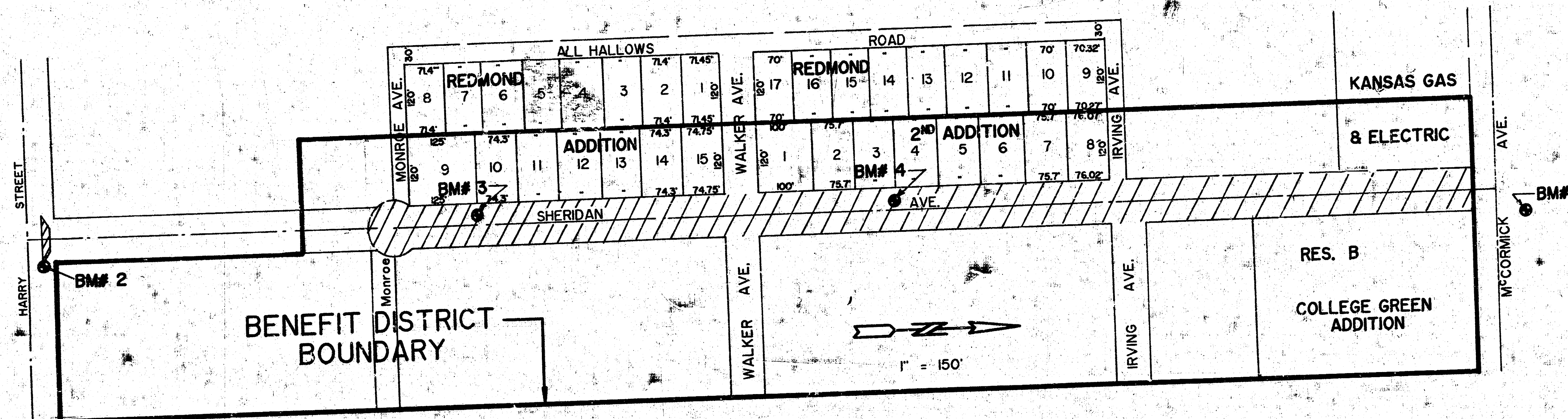
INDEX NO. - 607226

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#### GENERAL NOTES:

- Utility service lines, poles, valve boxes, meters and structures are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joints to facilitate removal within three feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
- The City of Wichita's Sewer Maintenance Division of the Department of Water and Sewer Pollution Control has televised sewers within the limits of the project and have found no defects requiring repairs. The Division shall be notified and afforded the opportunity to reteleviser sewer lines after subgrade work has been completed and prior to pavement construction to determine if such sewer lines have been damaged by the Contractor's operations. Damaged sewer lines will be repaired by the Contractor, as directed by the Engineer, at the Contractor's expense. Televiser logs are available for inspection by the Contractor during normal office hours at Sewer Maintenance Division's office at City Hall.
- INLET HOOKUPS AND INLET ADJUSTMENTS SHALL BE PAID FOR PER EACH REGARDLESS OF THE SIZE OF INLET.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- All entrance and cross road pipe within the project limits shall conform to the applicable section of the Standard Specifications.
- Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before such excess material is delivered to such properties.
- 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 adjust water valve boxes and fire hydrants as directed by the Engineer. The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be Contractor's responsibility to preserve such field locations during construction process. Water Valves, Water Valve Boxes or Fire Hydrants damaged during construction shall be repaired by the Contractor at his own expense.
- The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.

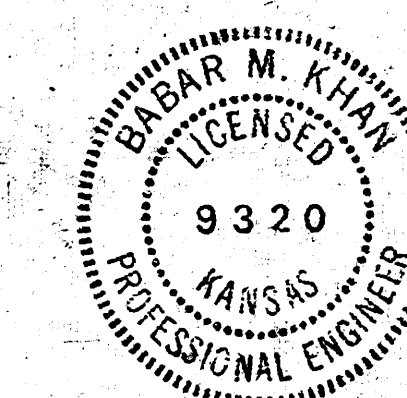


#### LOCATION MAP

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

#### BENCH MARKS:

- BM# 1 - "a" Cut in west curb, hdl, in the NE<sup>1</sup> of the intersection of Sheridan & McCormick Streets ELEV. - 114.84
- BM# 2 - "a" Cut in East curb return in the NE<sup>1</sup> of Harry & Sheridan Streets ELEV. - 110.37
- BM# 3 - Spk. Step in Power Pole 24' L.I. of Sta. 37+02 ELEV. - 112.90
- BM# 4 - Spk. Step in Power Pole 25' L.I. of Sta. 37+32 ELEV. - 113.23



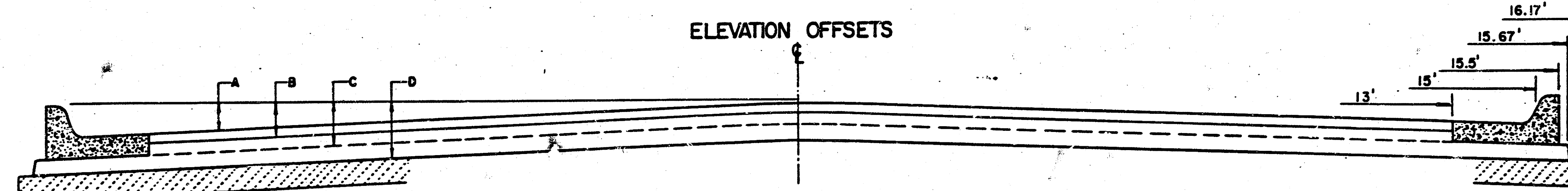
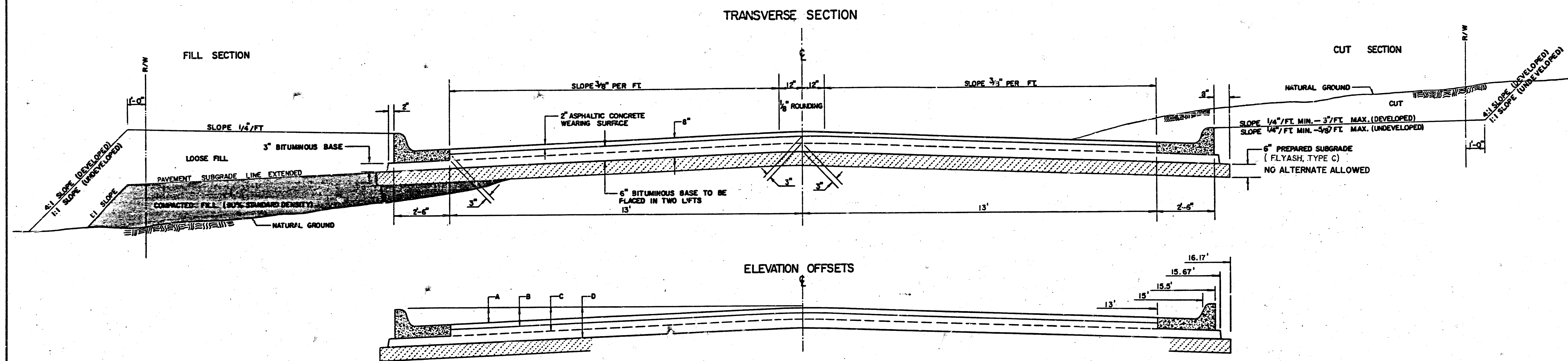
MUNICIPAL ENGINEERS  
Civil Engineers & Land Surveyors  
854 Laura, Suite 201  
Wichita, Kansas 67211

| TITLE SHEET     |                 |                |         |
|-----------------|-----------------|----------------|---------|
| SCALE: AS SHOWN | APPROVED BY: BK | DRAWN BY: M.W. |         |
| DATE: 2-89      |                 | REVISED        |         |
| DRAWING NUMBER  |                 |                | 1 OF 15 |

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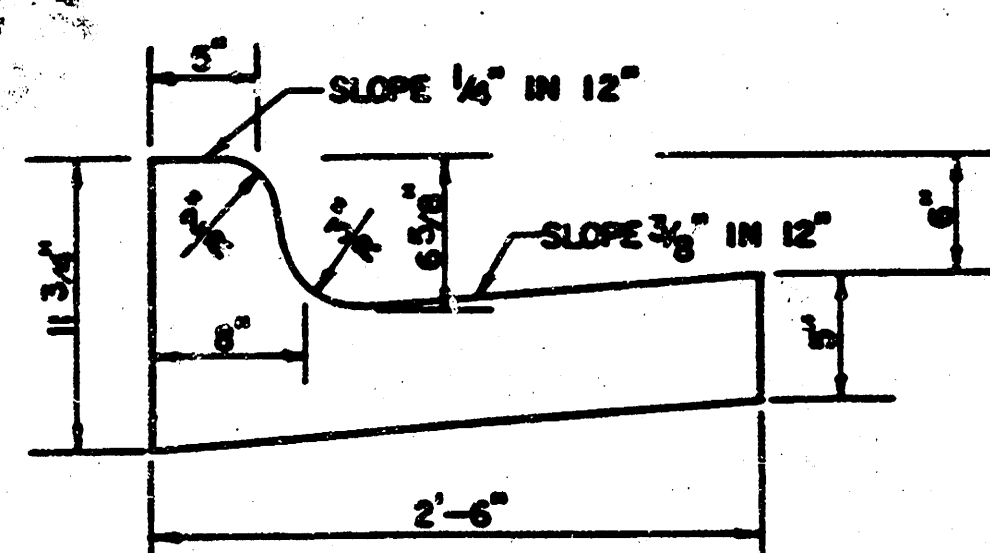
# TYPICAL 31' PAVEMENT DETAILS

2 OF 15

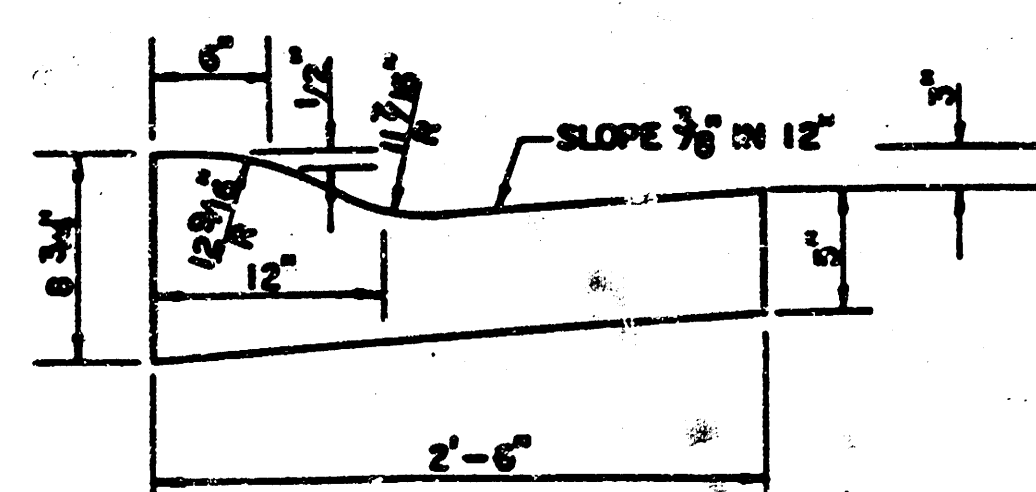


|                                           | DISTANCE FROM CENTERLINE (LT. & RT.) |     |     |     |      |      |      |      |      |       |        |        |
|-------------------------------------------|--------------------------------------|-----|-----|-----|------|------|------|------|------|-------|--------|--------|
|                                           | 0'                                   | 2'  | 4'  | 6'  | 7.5' | 10'  | 12'  | 13'  | 15'  | 15.5' | 15.67' | 16.17' |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT    | .10                                  | .14 | .21 | .27 | .32  | .39  | .46  | .49  | —    | —     | —      | —      |
| B: TOP OF CURBS TO TOP OF UPPER BASE LIFT | .27                                  | .31 | .37 | .44 | .48  | .56  | .62  | .65  | —    | —     | —      | —      |
| C: TOP OF CURBS TO TOP OF LOWER BASE LIFT | .52                                  | .56 | .62 | .69 | .73  | .81  | .87  | .90  | .97  | .98   | .99    | —      |
| D: TOP OF CURBS TO TOP OF SUBGRADE        | .77                                  | .81 | .87 | .94 | .98  | 1.06 | 1.12 | 1.15 | 1.22 | 1.23  | 1.24   | 1.25   |

## COMBINED CURB & GUTTER



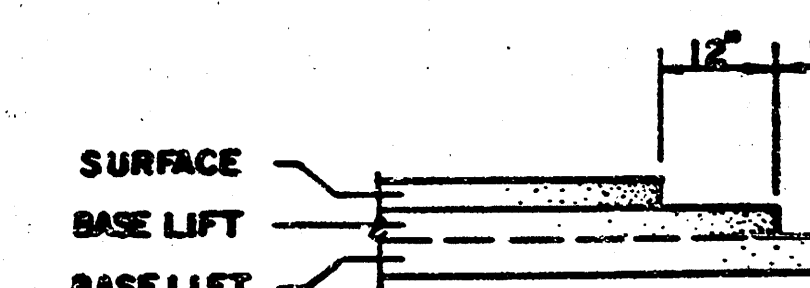
## ROLL TYPE COMBINED CURB & GUTTER



## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8\"/>

## TRANSVERSE CONSTRUCTION JOINTS

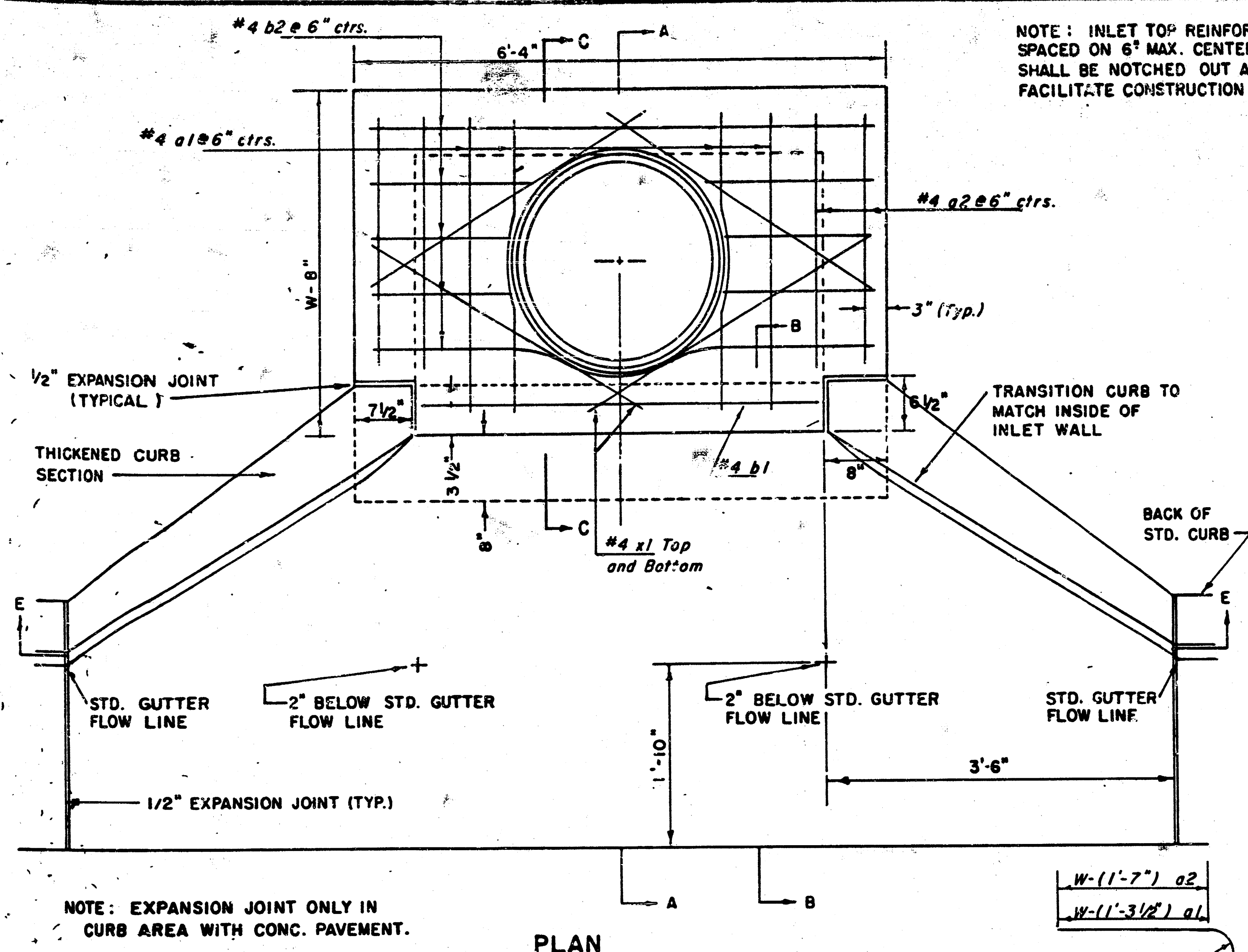


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8\"/>

8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE  
CITY OF WICHITA, KANSAS

PROJECT NUMBER  
472-76-245-81862-000-000-001

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PLAN

| PRECAST SLAB AND FLOOR REINFORCING |      |     |        |     |        |     |        |     |        |     |        |
|------------------------------------|------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| Mark                               | Size | No. | Length | No. | Length | No. | Length | No. | Length | No. | Length |
| a1                                 | #4   | 6   | 6'-7"  | 6   | 6'-7"  | 6   | 10'-7" | 6   | 12'-7" | 6   | 14'-7" |
| a2                                 | #4   | 4   | 6'-0"  | 4   | 6'-0"  | 4   | 10'-0" | 4   | 12'-0" | 4   | 14'-0" |
| a3                                 | #4   | 13  | 4'-1"  | 13  | 4'-1"  | 13  | 6'-1"  | 13  | 7'-1"  | 13  | 8'-1"  |
| b1                                 | #4   | 1   | 4'-9"  | 1   | 4'-9"  | 1   | 4'-9"  | 1   | 4'-9"  | 1   | 4'-9"  |
| b2                                 | #4   | 23  | 6'-1"  | 29  | 6'-1"  | 35  | 6'-1"  | 41  | 6'-1"  | 47  | 6'-1"  |
| z1                                 | #4   | 8   | 3'-10" | 8   | 4'-2"  | 8   | 4'-6"  | 8   | 4'-10" | 8   | 5'-2"  |

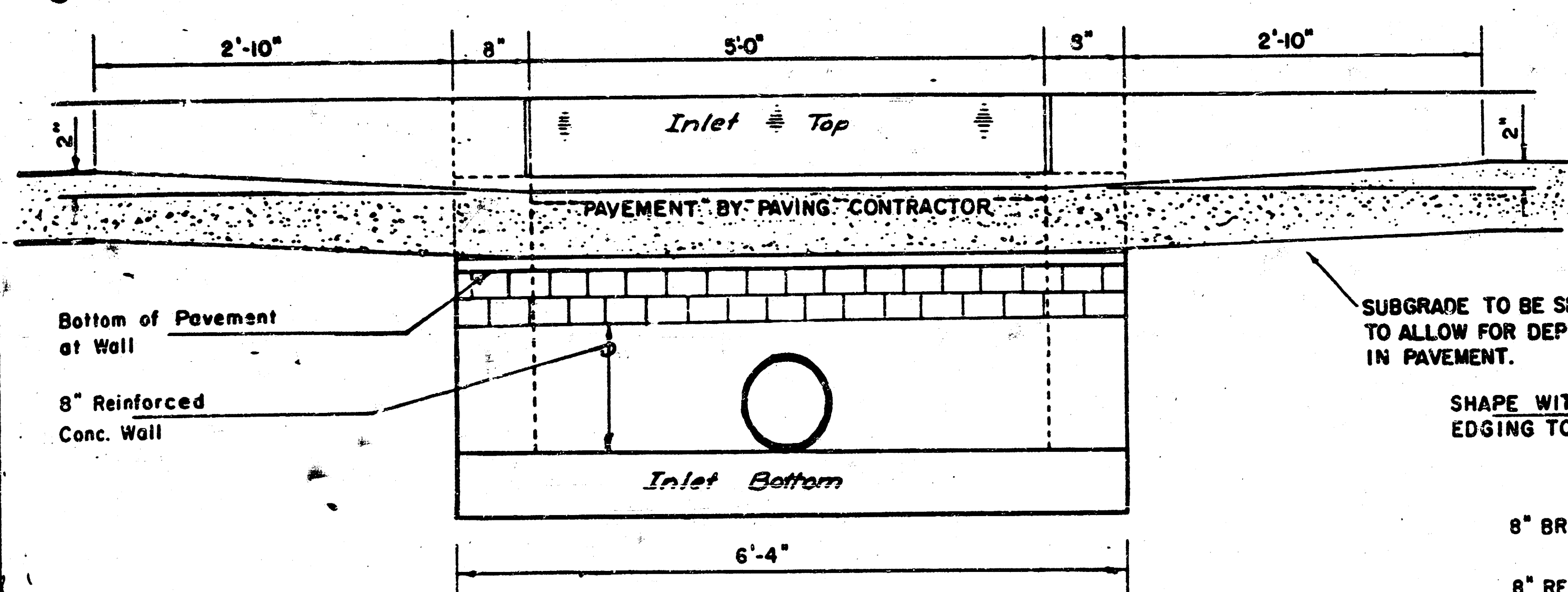
  

| WALL REINFORCING |      |     |        |     |        |     |        |     |        |     |        |
|------------------|------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| Mark             | Size | No. | Length | No. | Length | No. | Length | No. | Length | No. | Length |
| w1               | #4   | 1   | 6'-1"  | 1   | 6'-1"  | 1   | 6'-1"  | 1   | 6'-1"  | 1   | 6'-1"  |
| w2               | #4   | 1   | 4'-1"  | 1   | 5'-1"  | 1   | 6'-1"  | 1   | 7'-1"  | 1   | 8'-1"  |
| w3               | #4   | 32  | 2      | 36  | 2      | 40  | 2      | 44  | 2      | 48  | 2      |

\* Field bend or cut Reinforcing as required for clearance.

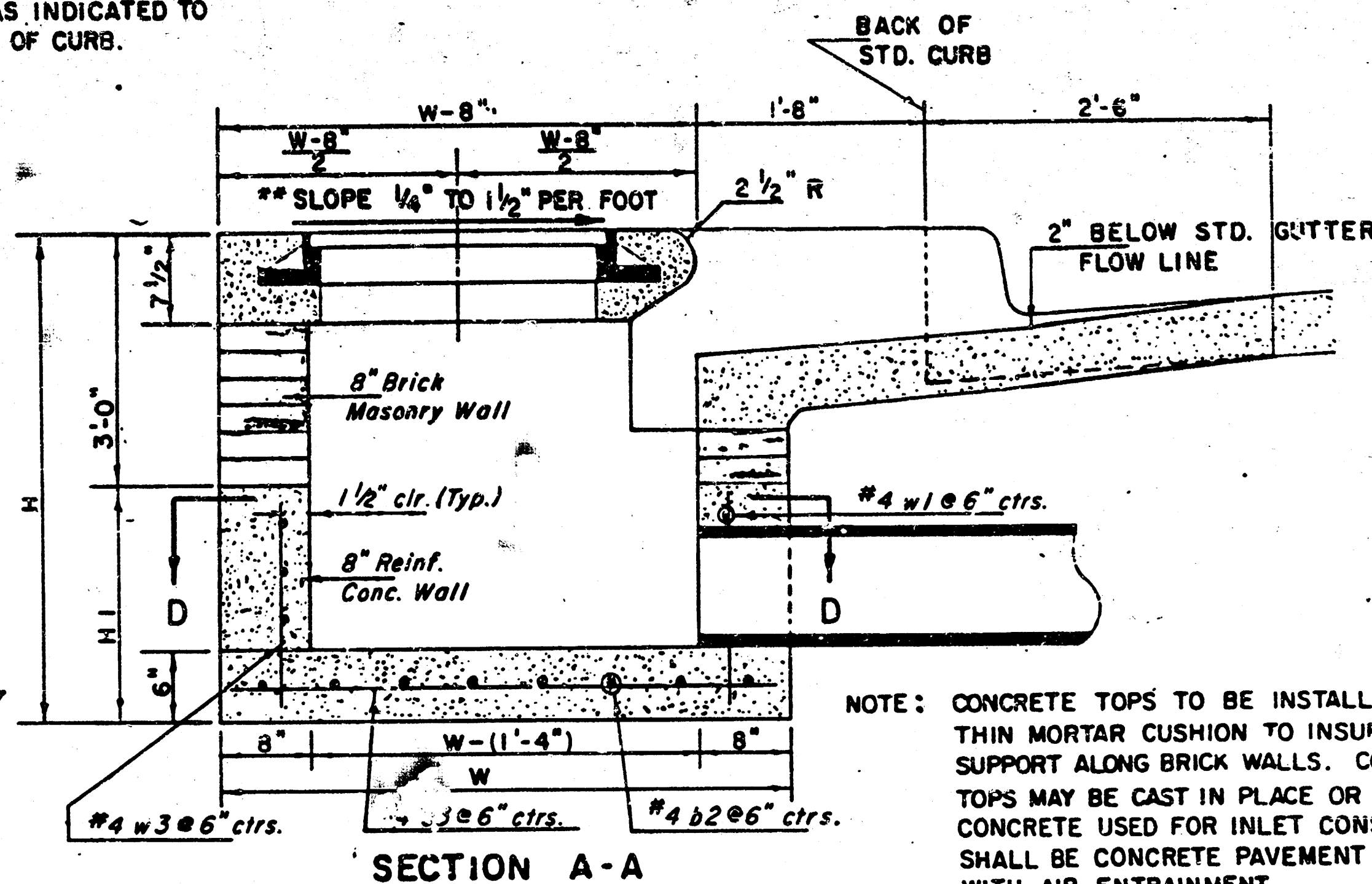
① 4(HI-12"); (HI-12") Round down to nearest 0.5'

② HI-3"



SECTION E-E

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



SECTION A-A

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'-4" AND H = 7'-0" OR LESS.

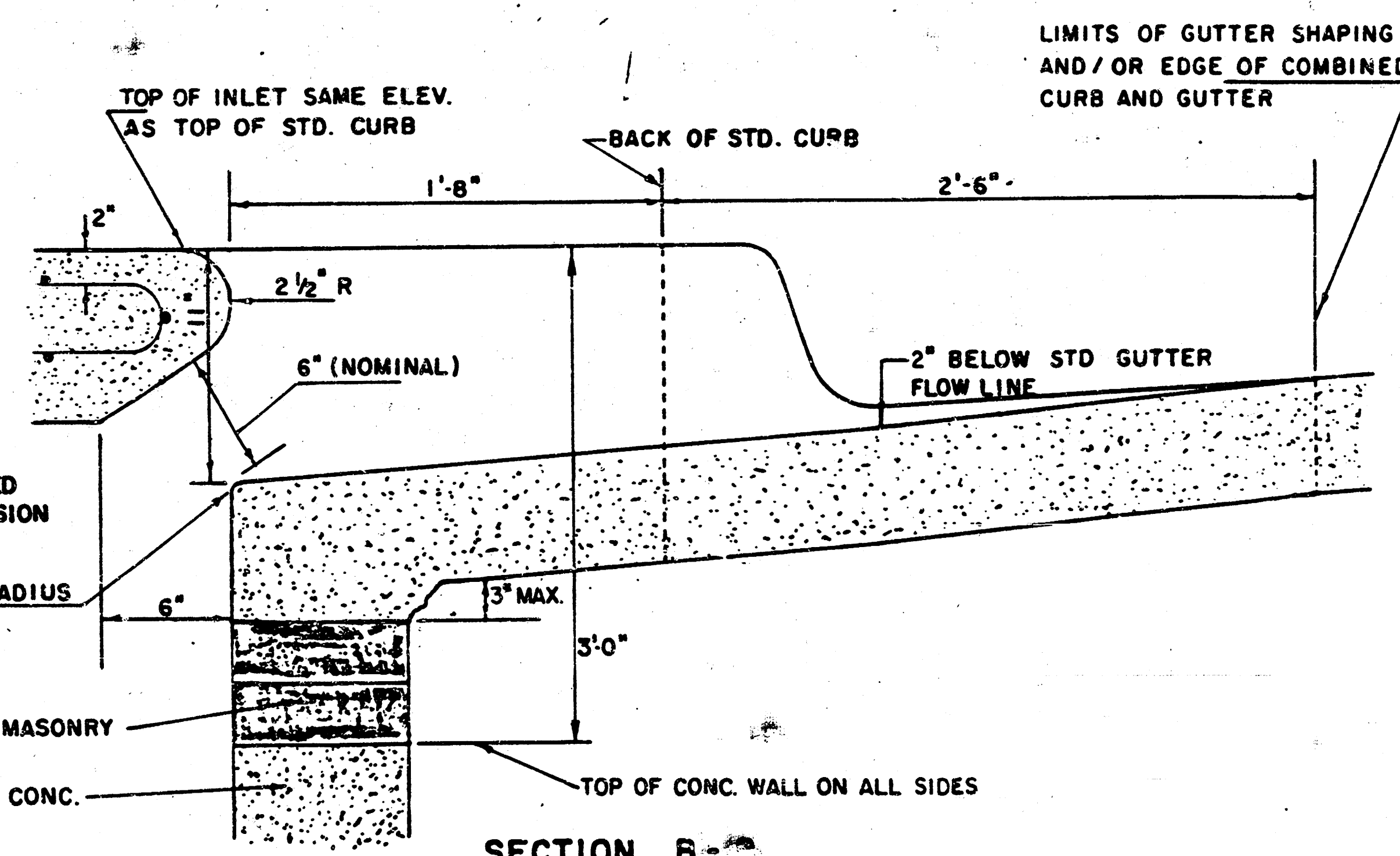
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

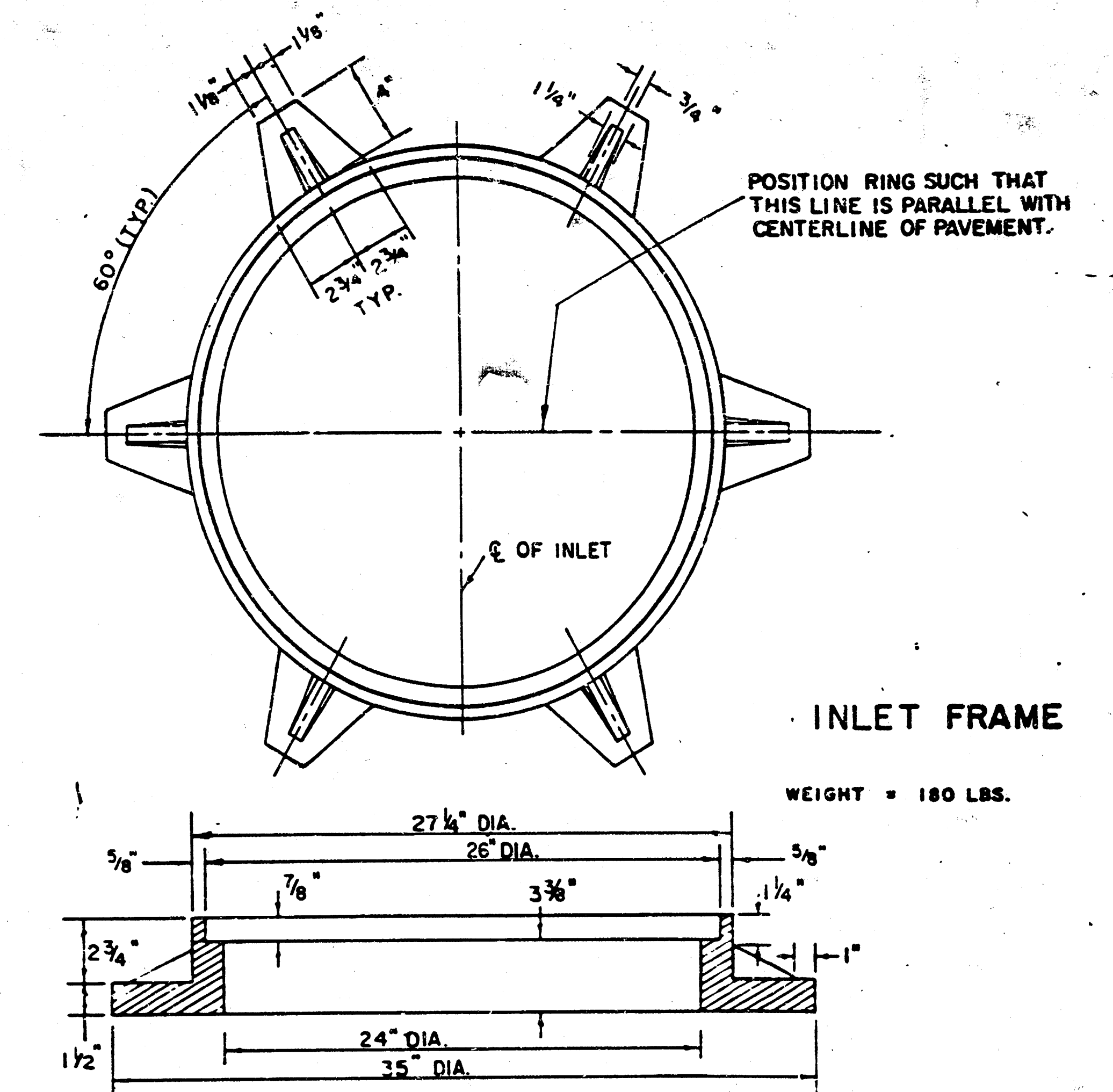
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

\*\*NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

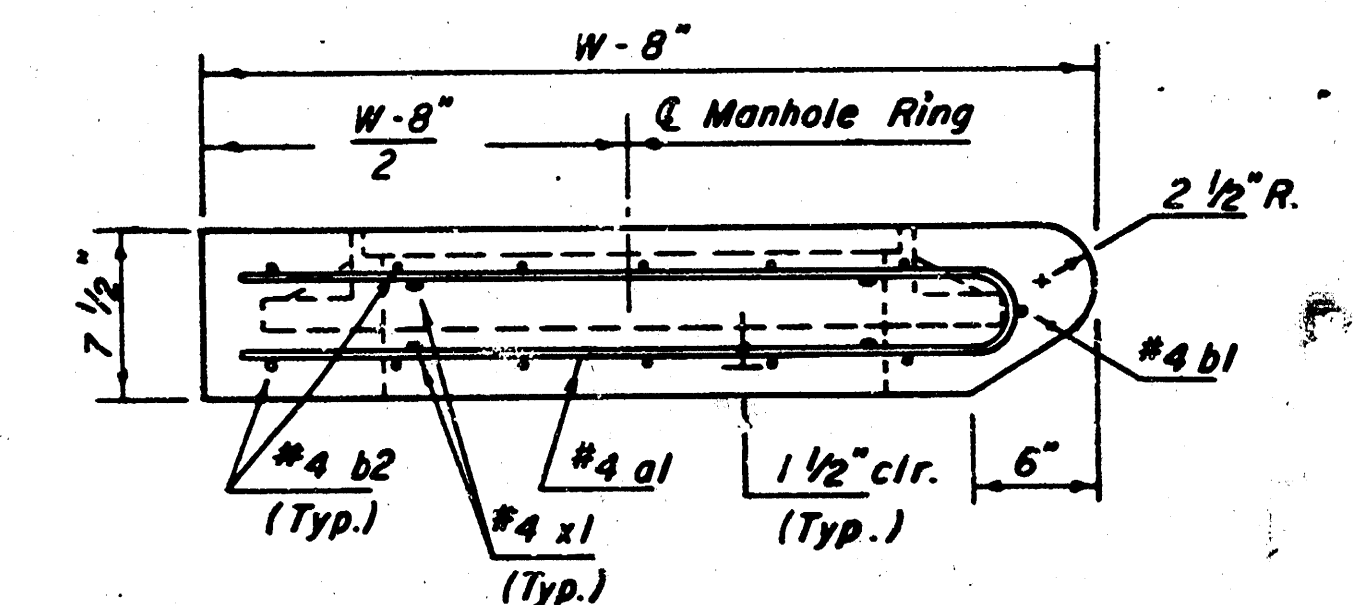
| STANDARD CURB INLET PRECAST TOPS |                      |               |               |  |
|----------------------------------|----------------------|---------------|---------------|--|
| W                                | PRE-CAST TOP SIZE    | PIPE SIZE     | CU. YD. CONC. |  |
| 4' 4"                            | 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"                            | 5'6" x 6'4" x 7 1/2" | 36" & 42"     | 0.64 ±        |  |
| 7' 4"                            | 6'6" x 6'4" x 7 1/2" | 48" & 54"     | 0.77 ±        |  |
| 8' 4"                            | 7'6" x 6'4" x 7 1/2" | 60" & 66"     | 0.90 ±        |  |



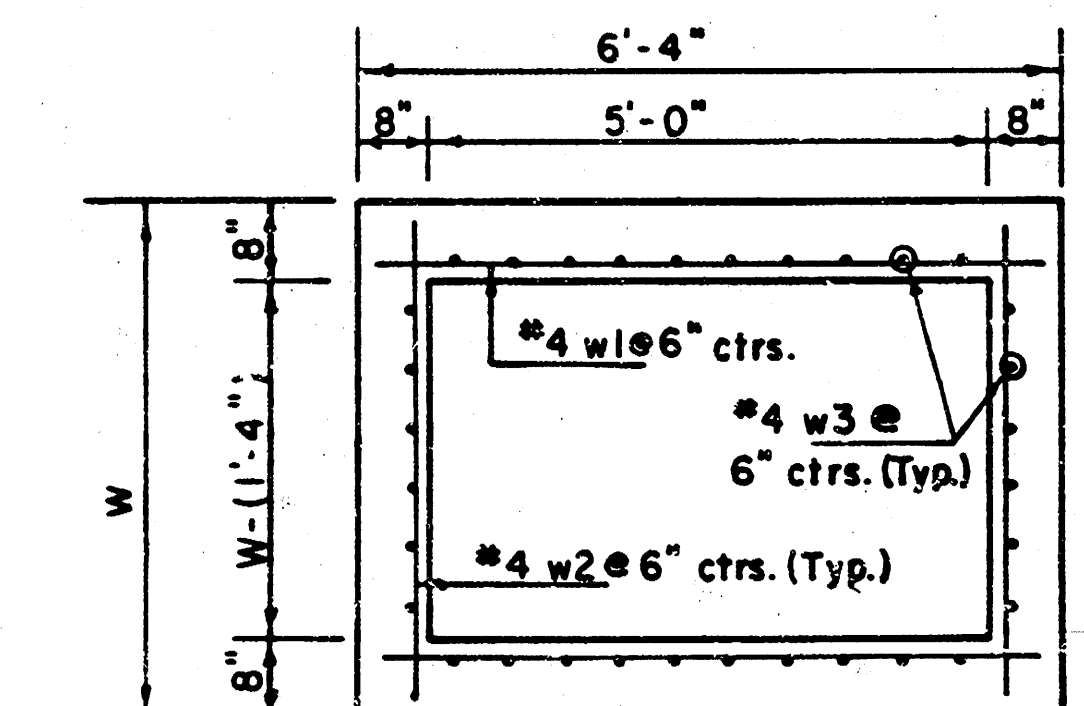
SECTION B-B



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



SECTION C-C



SECTION D-D

REVISION 11-30-1988  
REVISION 12-31-1984  
Revised 2-16-1989

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

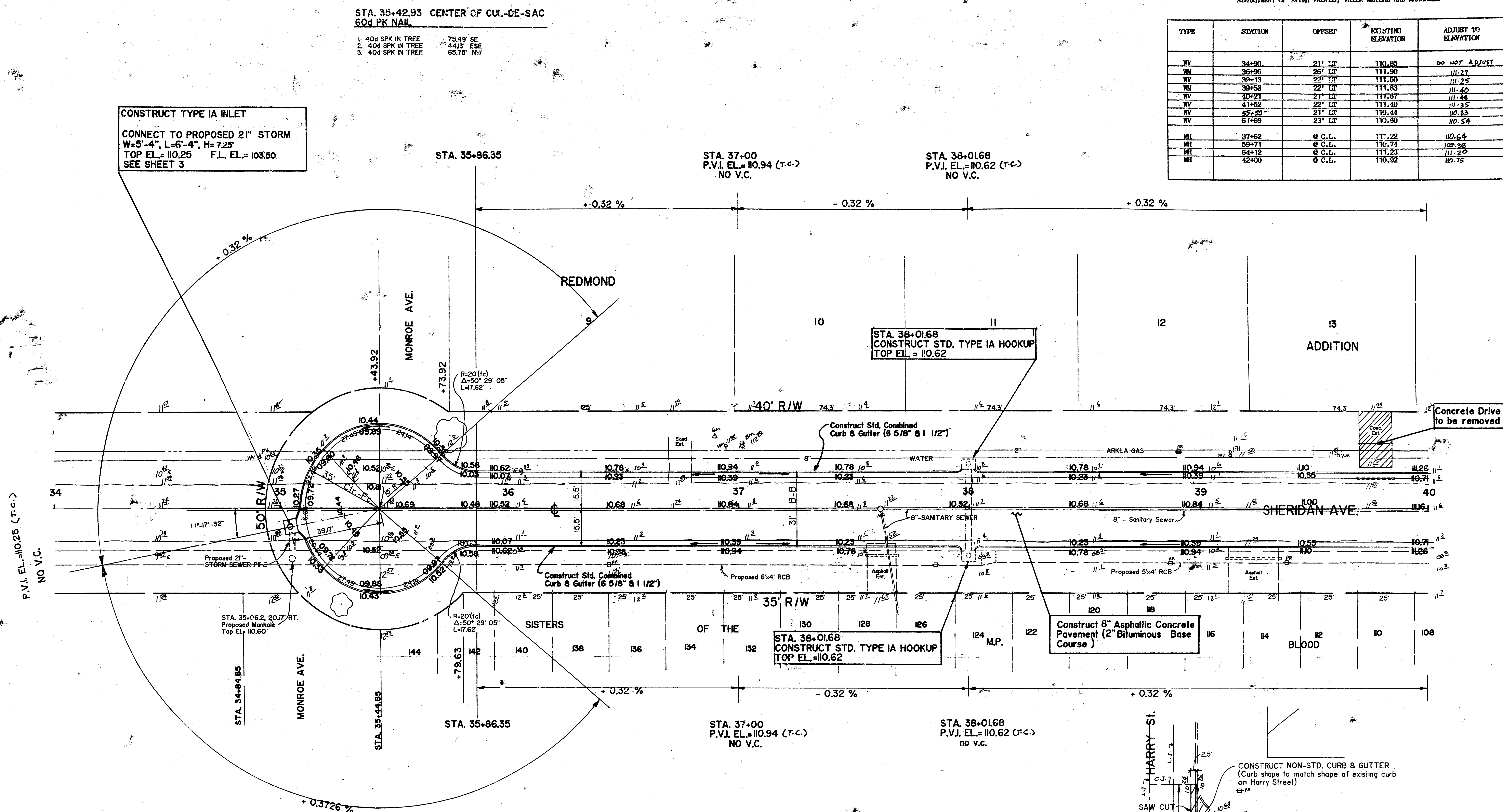
JUNE 1984

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ADJUSTMENT OF WATER VALVES, WATER METERS AND MANIFOLDS

| TYPE | STATION | OFFSET | EXISTING ELEVATION | ADJUST TO ELEVATION |
|------|---------|--------|--------------------|---------------------|
| WV   | 34+90   | 21' LT | 110.85             | DO NOT ADJUST       |
| WM   | 36+96   | 26' LT | 111.90             | 111.27              |
| WV   | 36+13   | 22' LT | 111.50             | 111.25              |
| WM   | 38+58   | 22' LT | 111.83             | 111.40              |
| WV   | 40+21   | 21' LT | 111.67             | 111.44              |
| WV   | 41+52   | 22' LT | 111.40             | 111.35              |
| WV   | 55+20   | 21' LT | 110.44             | 110.13              |
| WV   | 61+69   | 23' LT | 110.30             | 110.54              |
| ME   | 37+62   | @ C.L. | 111.22             | 110.64              |
| ME   | 59+71   | @ C.L. | 110.74             | 109.96              |
| ME   | 64+12   | @ C.L. | 111.23             | 111.20              |
| ME   | 42+00   | @ C.L. | 110.92             | 110.75              |

CONSTRUCT TYPE IA INLET  
CONNECT TO PROPOSED 21" STORM  
W=5'-4", L=6'-4", H=7.25'  
TOP EL.=110.25 F.L. EL.=103.50  
SEE SHEET 3



P.V.I. EL.=110.25 (T.C.)  
NO V.C.

STA. 34+94.85  
STA. 35+44.85  
STA. 35+86.35  
STA. 37+00 P.V.I. EL.=110.94 (T.C.) NO V.C.  
STA. 38+01.68 P.V.I. EL.=110.62 (T.C.) NO V.C.

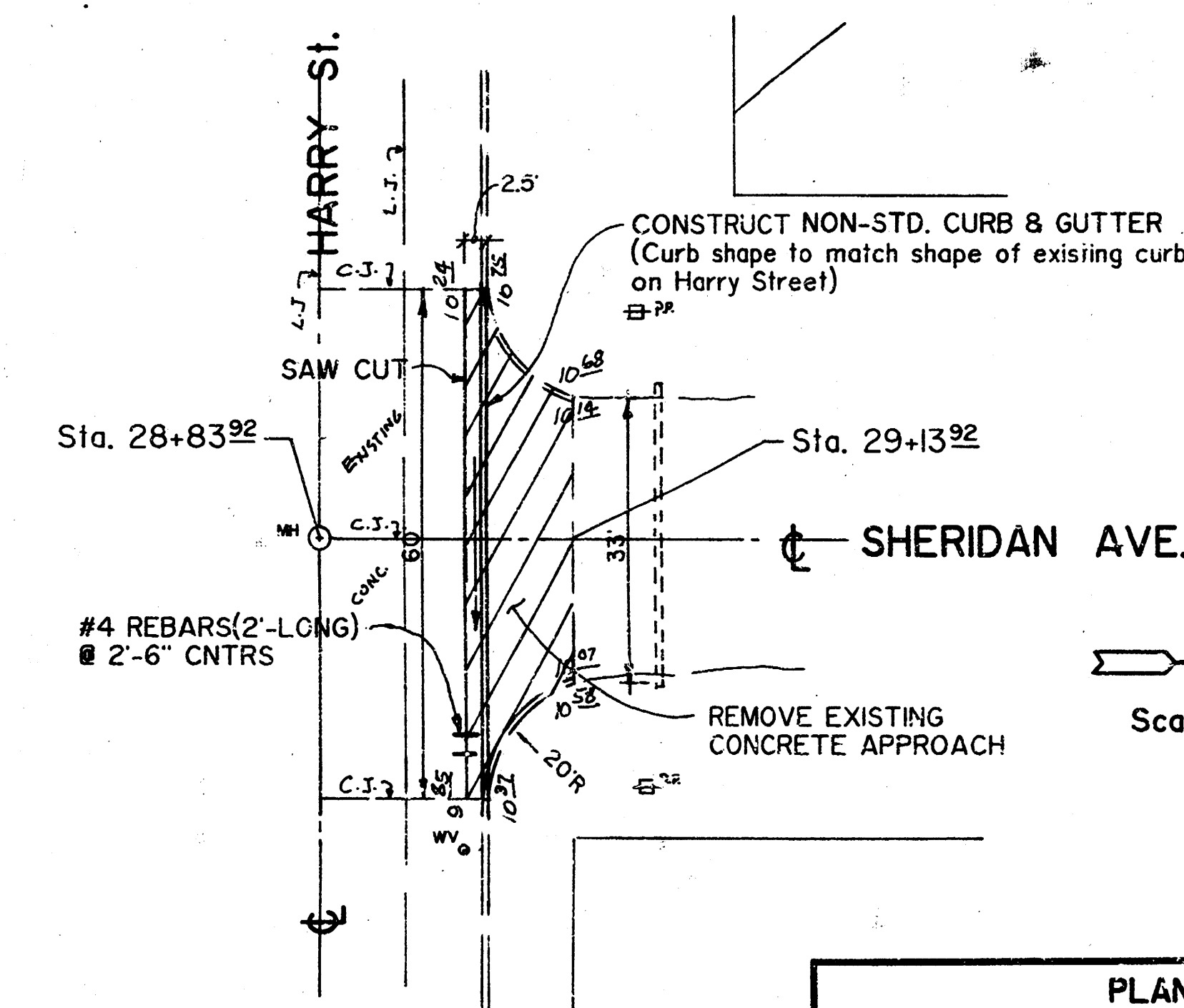
## EARTHWORK QUANTITIES

|       | EXCAVATION | LOOSE FILL | COMPACTED FILL |
|-------|------------|------------|----------------|
|       | 3,400 C.Y. | 453 C.Y.   | 0              |
| + 10% | 3,490 C.Y. | 45 C.Y.    |                |
| TOTAL | 3,740 C.Y. | 498 C.Y.   | 0              |

NOTE: Storm sewer shown as proposed storm sewer will be constructed through city of Wichita project #: 468-76-245-SI777-000-000-001 Prior to construction of these paving improvements.

STA. 28+83.92 SHERIDAN/HARRY CONC. NAIL IN M.H. COVER

1. 40d SPK IN P.P. 37.60' SW  
2. 40d SPK & WASHER IN P.P. 45.50' NW  
3. 40d SPK IN P.P. 47.50' NE

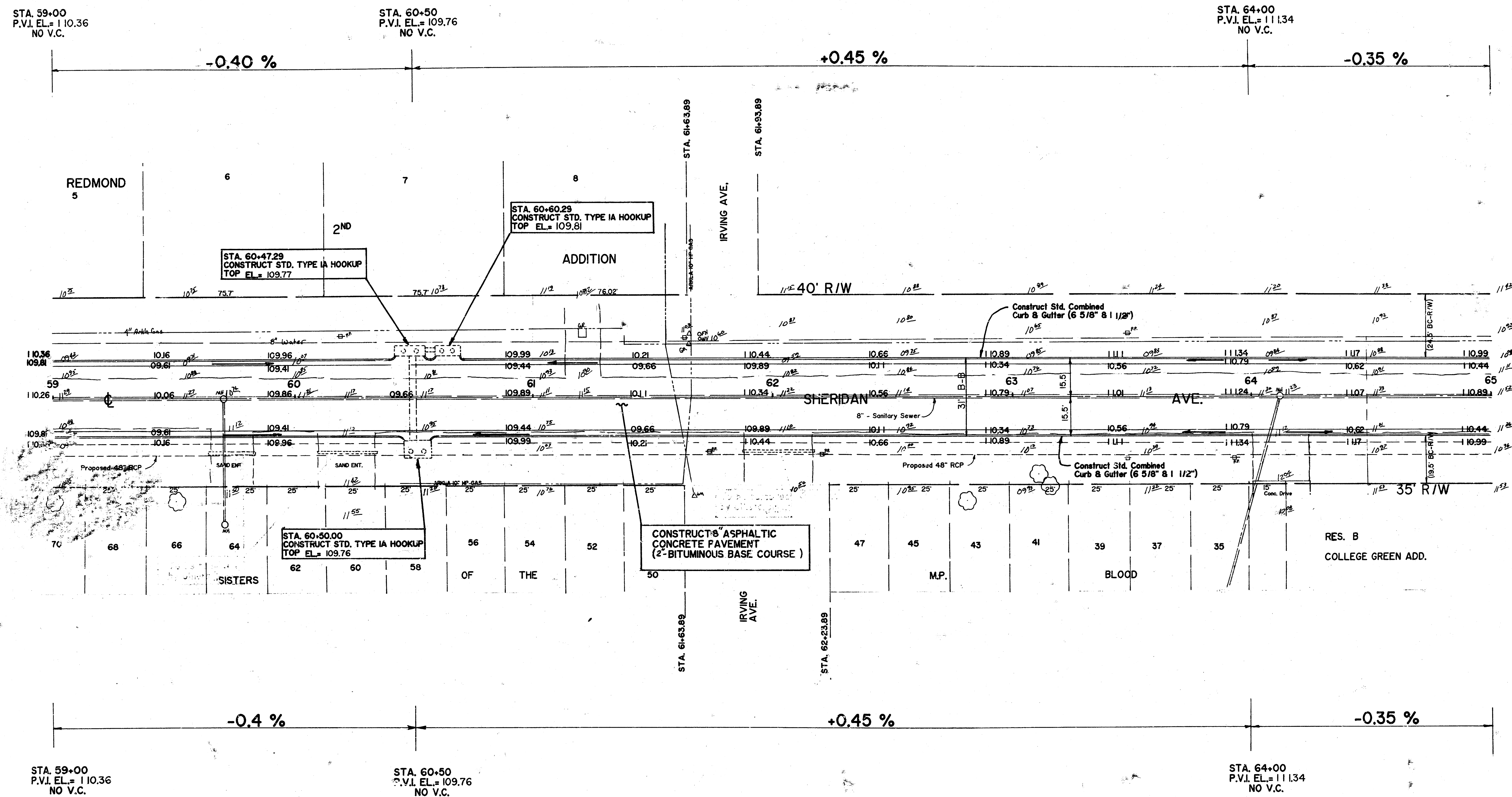
PLAN SHEET  
SHERIDAN AVENUE

| SCALE: 1"=20'                | APPROVED BY: | DRAWN BY: M.W. |
|------------------------------|--------------|----------------|
| DATE: 2-88                   | B.K.         | REVIEWED       |
| 472-76-245-81862-000-000-001 |              | 4 OF 15        |

MUNICIPAL ENGINEERS  
Civil Engineers & Land Surveyors  
244 Laura, Suite 201  
Wichita, Kansas 67211

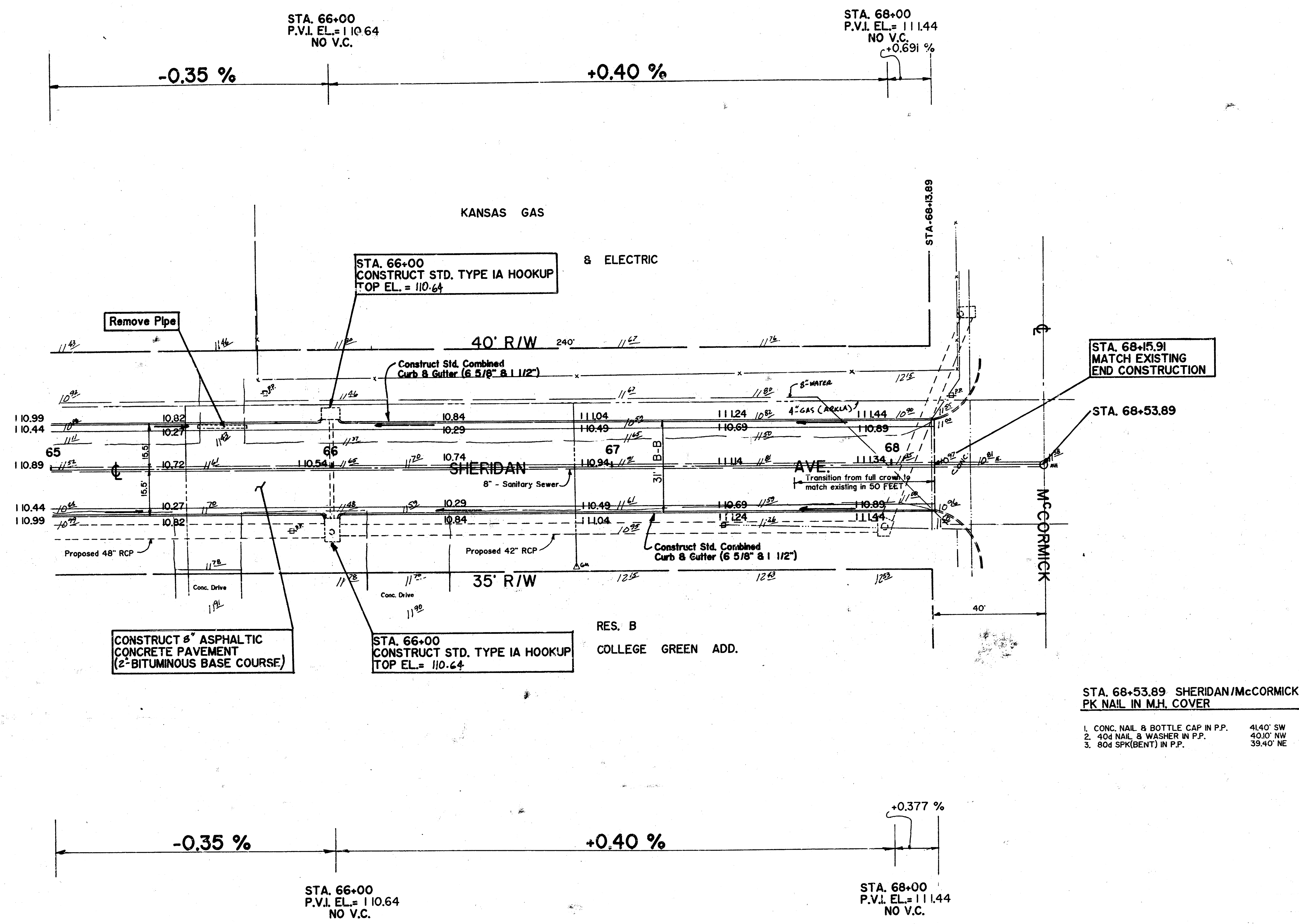
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SCALE: 1"=20'

|                                                                                                                                                                                                       |  |                                             |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|----------------------|
|  <b>MUNICIPAL ENGINEERS</b><br>Civil Engineers & Land Surveyors<br>254 Laura, Suite 201<br>Wichita, Kansas 67211 |  | <b>PLAN SHEET</b><br><b>SHERIDAN AVENUE</b> |                      |
|                                                                                                                                                                                                       |  | SCALE: 1"=20'<br>DATE: 2-89                 | APPROVED BY:<br>B.K. |
|                                                                                                                                                                                                       |  | 472-76-245-81862-000-000-001                |                      |
|                                                                                                                                                                                                       |  | DRAWING NUMBER<br>6 OF 15                   |                      |

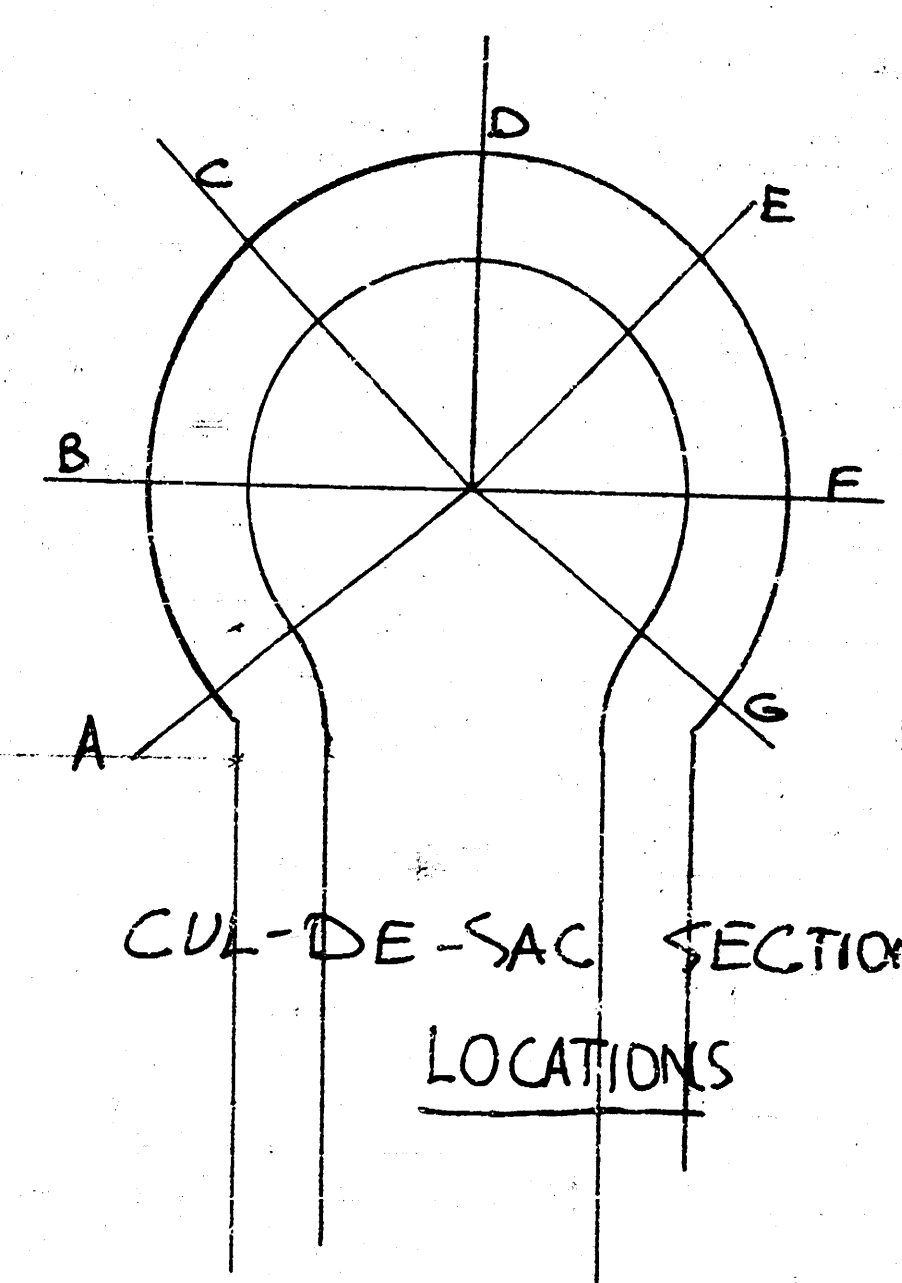
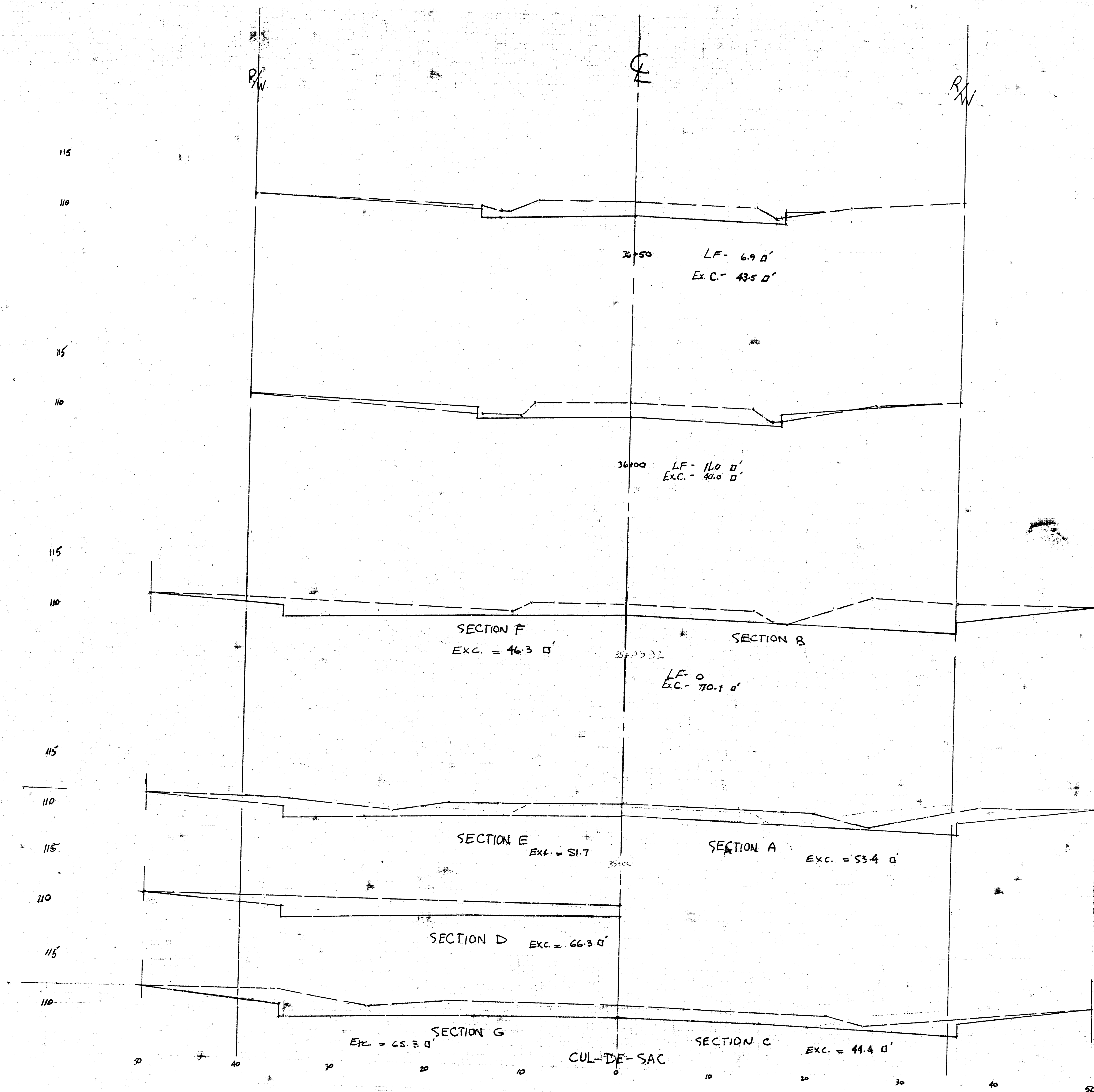


SCALE: 1"=20'

**MUNICIPAL ENGINEERS**  
Civil Engineers & Land Surveyors  
554 Leane, Suite 201  
Wichita, Kansas 67211

| PLAN SHEET<br>SHERIDAN AVENUE |              |                |         |
|-------------------------------|--------------|----------------|---------|
| SCALE: 1"=20'                 | APPROVED BY: | DRAWN BY: M.W. |         |
| DATE: 2-89                    | BK.          | REVISED        |         |
| DRAWING NUMBER                |              |                | 7 OF 15 |
| 472-76-245-81862-000-001      |              |                |         |

SHERIDAN AVE. (8/15)  
STA 34+50 to STA 36+50

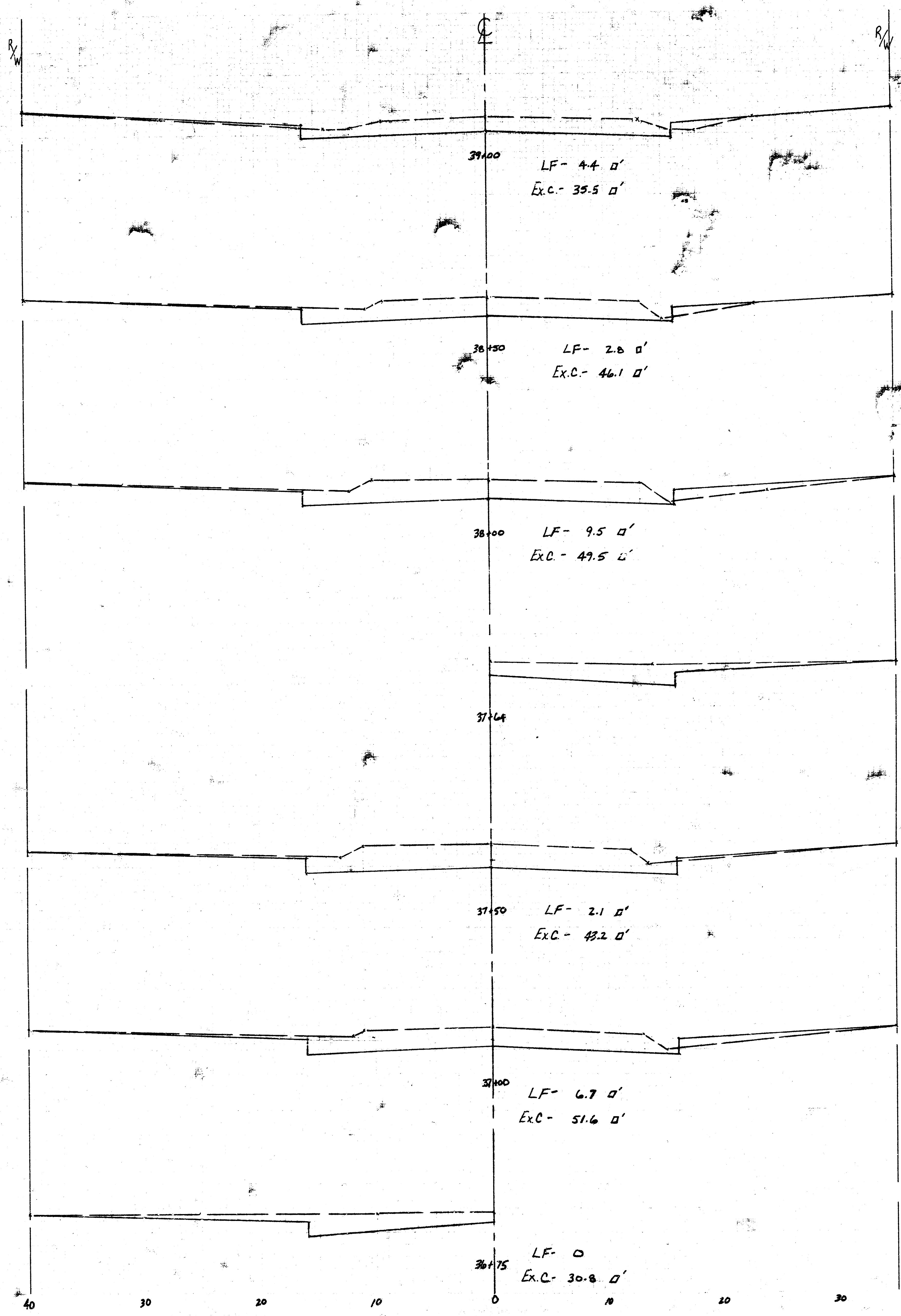


SHERIDAN AVE.

9/15

36+75 to 39+00

115  
110  
115  
110  
115  
110  
115  
110  
115  
110  
115  
110



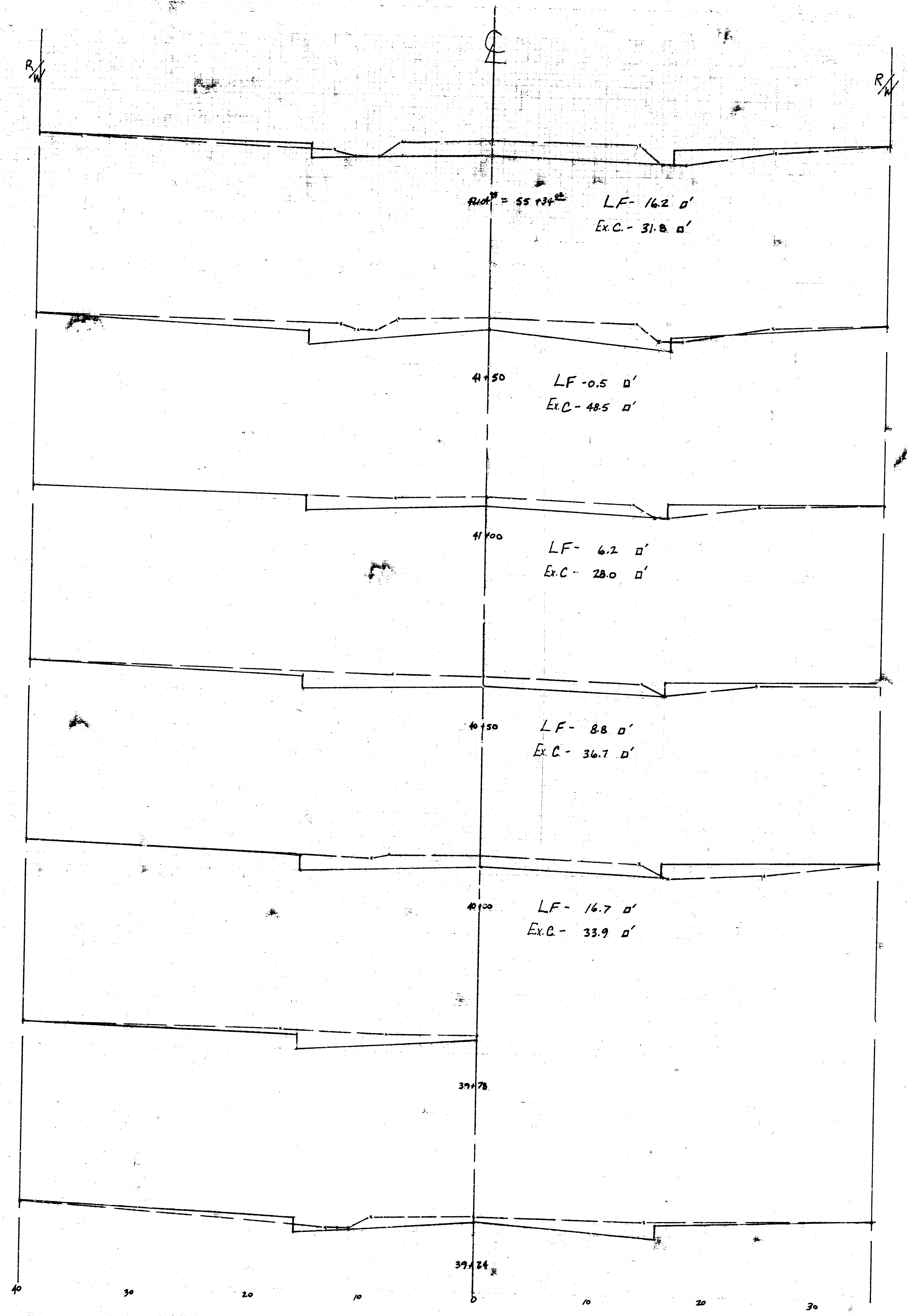
PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVE.  
37+24 to 42+04

10/15

115  
110  
115  
110  
115  
110  
115  
110  
115  
110  
115  
110



PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVE.  
55+80 to 58+50

11/15

115

110

115

110

115

110

115

110

115

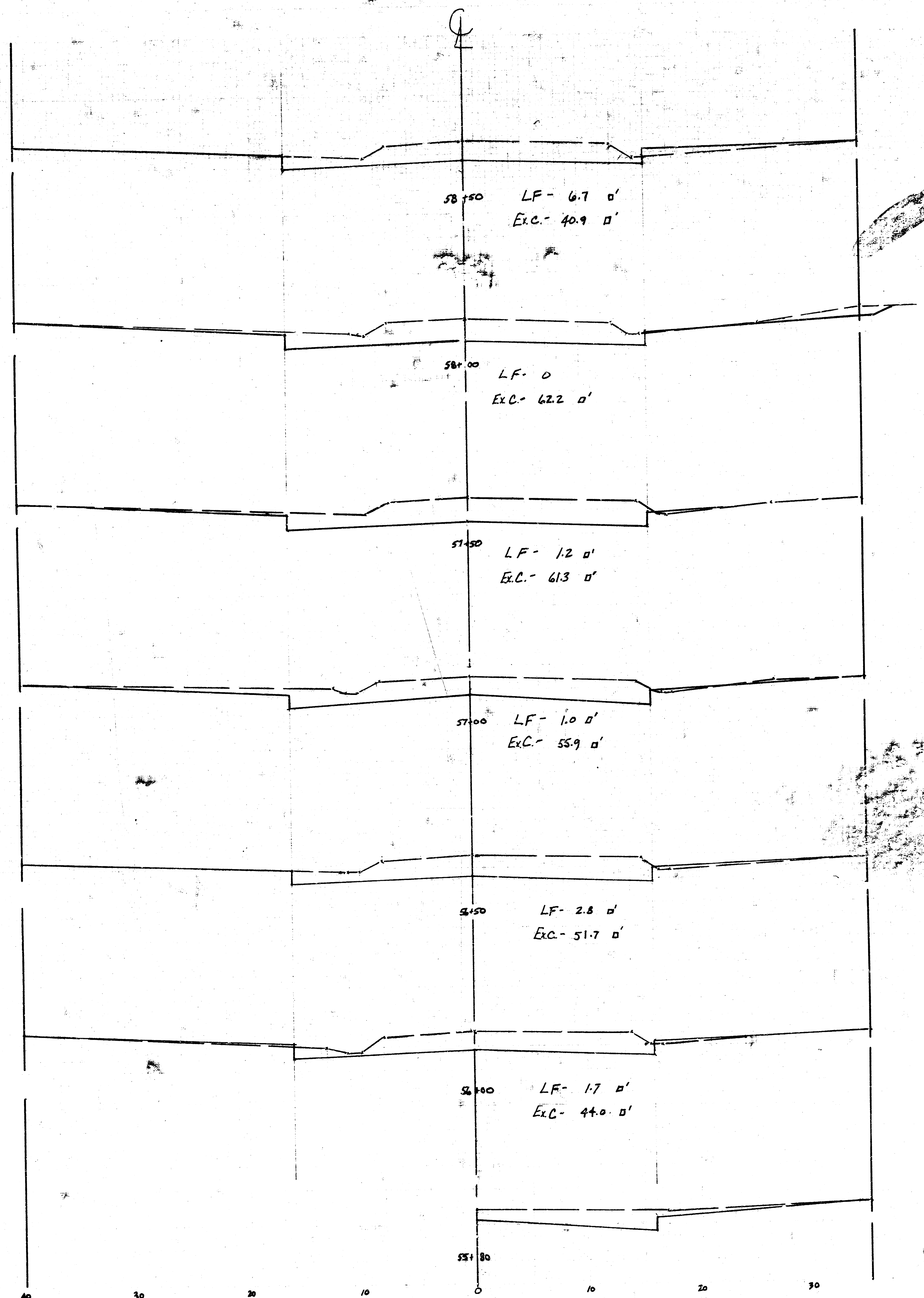
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115

110

115

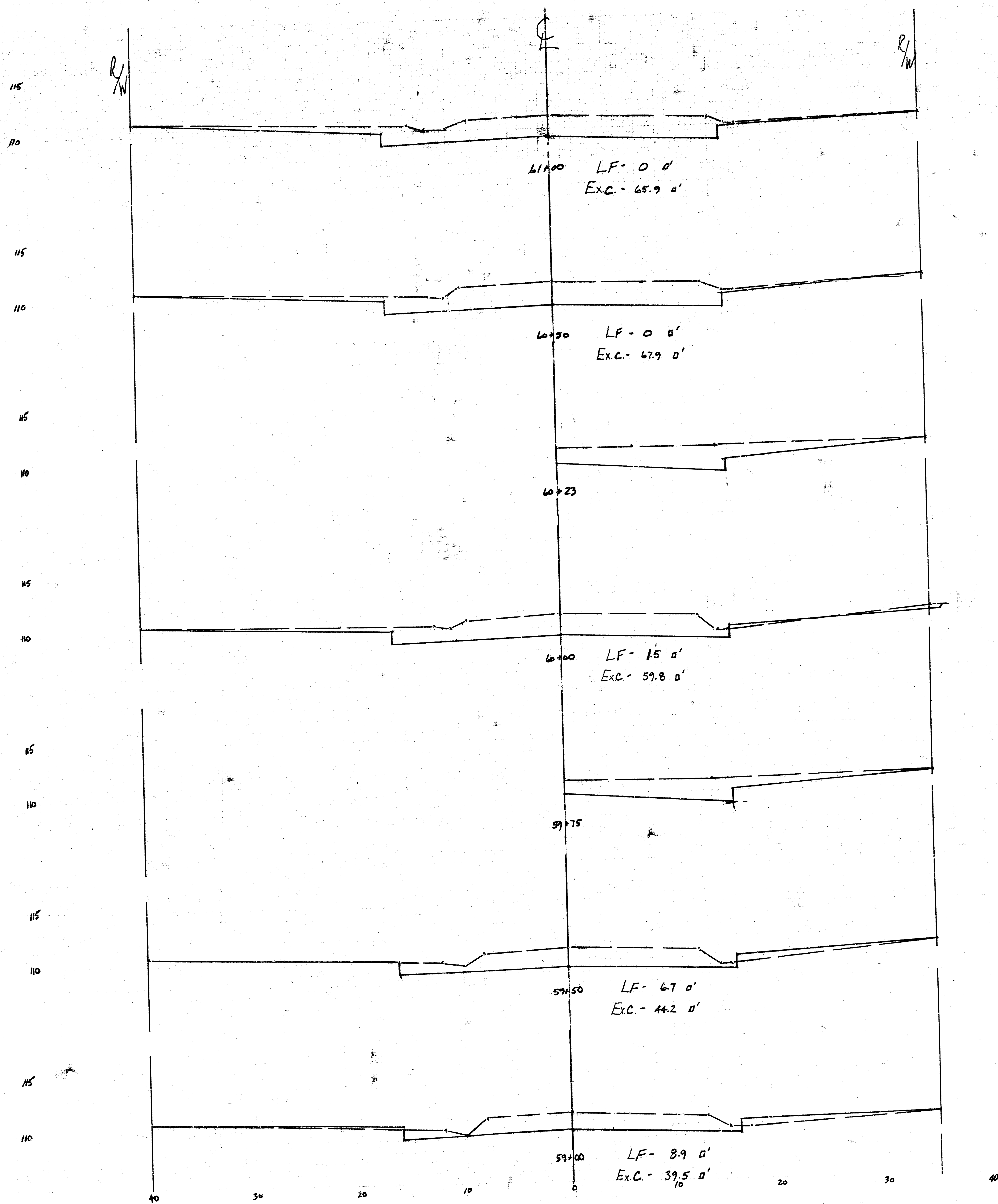
110



PROJECT #: 472-76-245-81862-000-000-001

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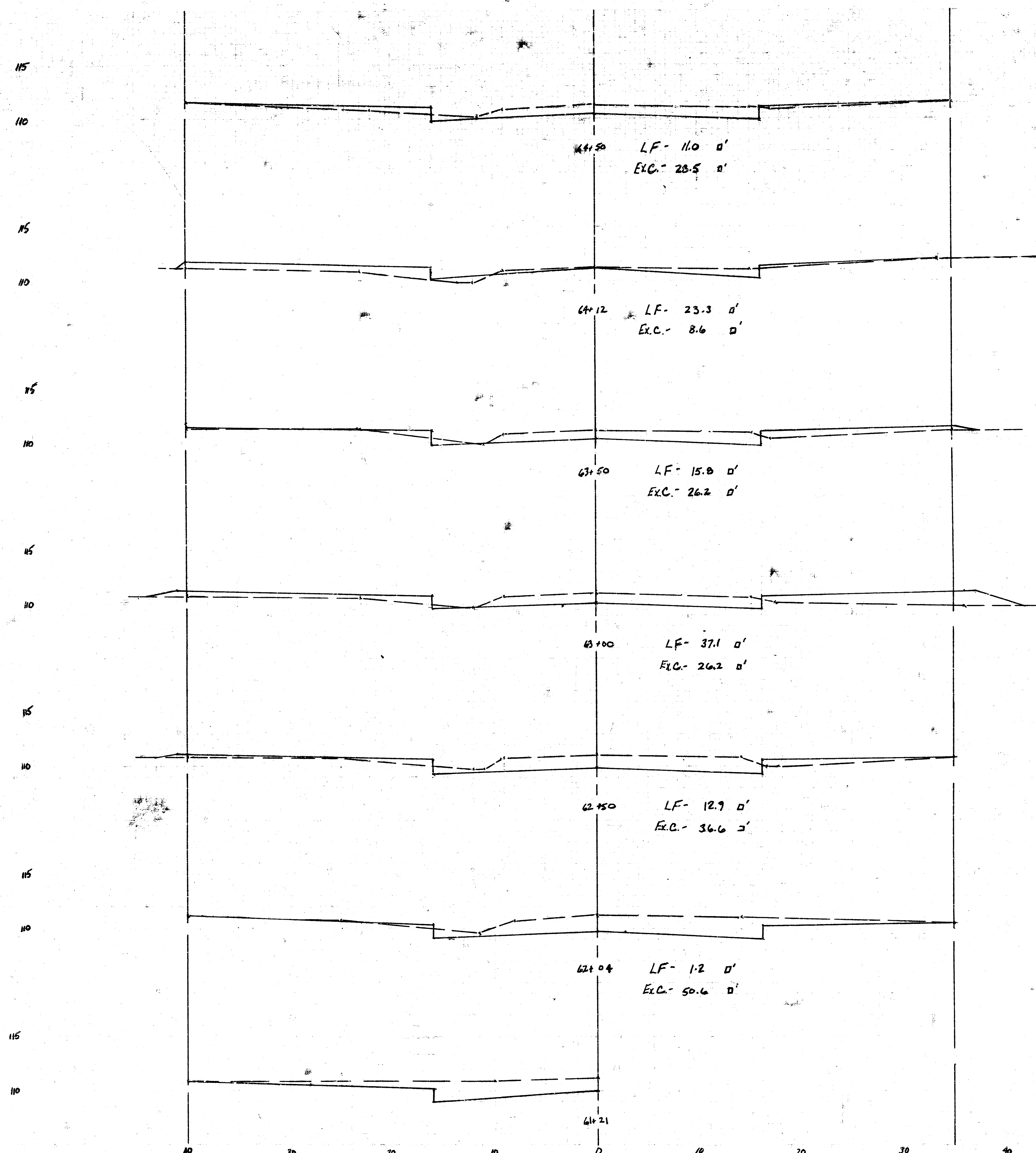
SHERIDAN AVE. (12/15)  
59+00 to 61+00



PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVENUE <sup>13/15</sup>  
 61+21 to 64+50



PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVE.  
65+00 to 67+00

14/15

15

10

15

10

15

10

15

10

15

10

15

10

40

30

20

10

0

10

20

30

40

67+00 LF - 0  
Exc. - 55.1 ft

66+30

66+00 LF - 0  
Exc. - 61.5 ft

65+63

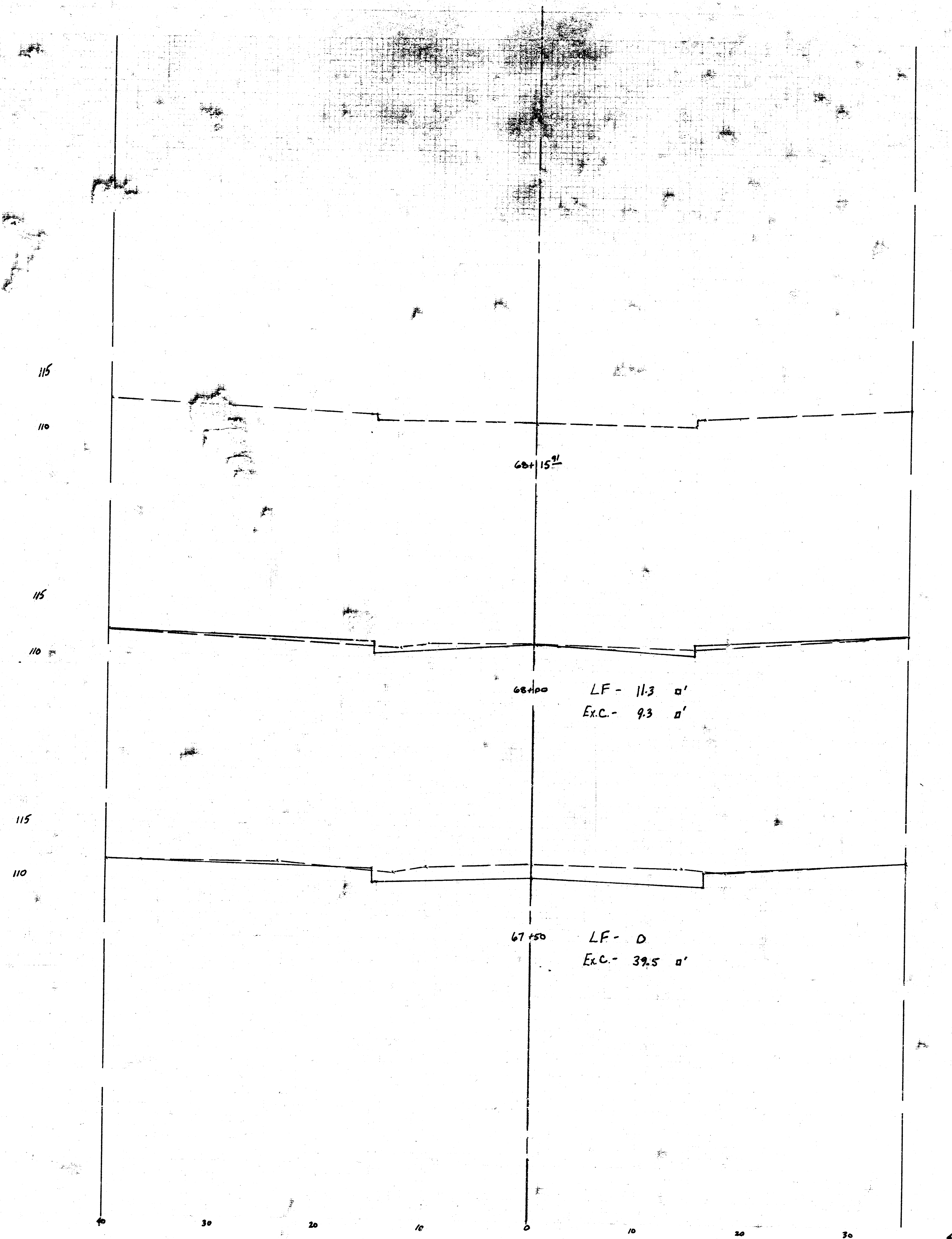
65+57

65+00 LF - 2.4 ft  
Exc. - 35.1 ft

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SHERIDAN AVE. (15/15)  
67+20 to 68+15.21



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