

# 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

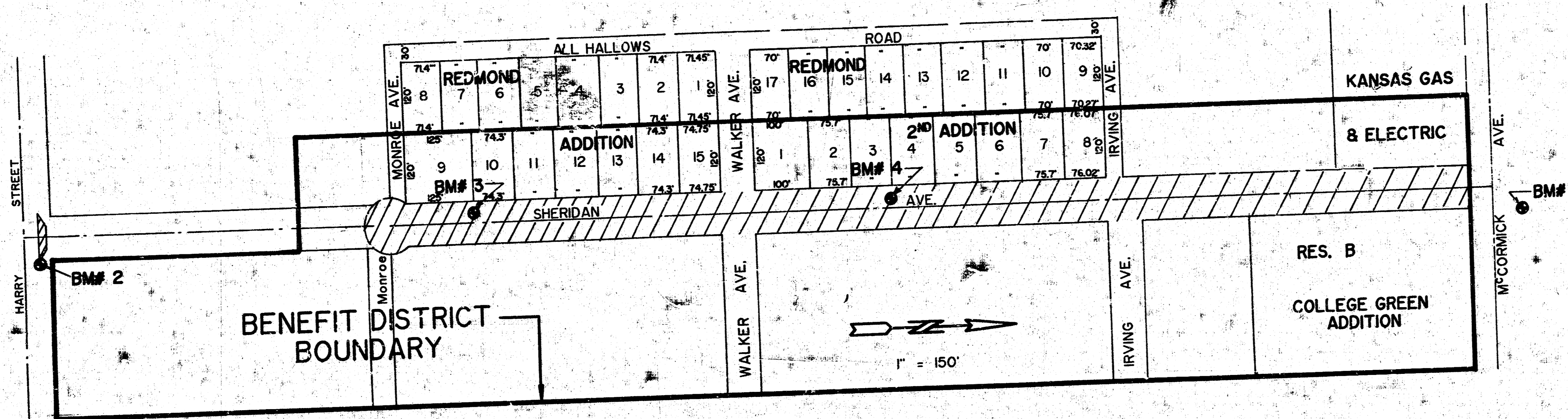
INDEX NO. - 607226

**INDEX:**

SHEET 1	TITLE
SHEET 2	TYPICAL 31' PAVEMENT DETAIL SHEET
SHEET 3	STANDARD TYPE 'A' INLET DETAIL SHEET
SHEET 4-7	PLAN SHEETS
SHEET 8-15	CROSS-SECTION SHEETS

**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 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. 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 televise 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. Television 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.

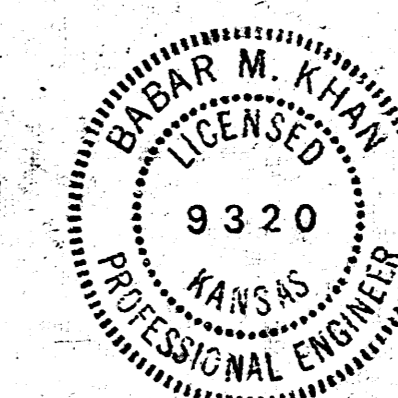


**LOCATION MAP**

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

**BENCH MARKS:**

- BM# 1 - "a" Cut in west curb, hdwl, in the NE<sup>c</sup> of the intersection of Sheridan & McCormick Streets ELEV. - #4.84
- BM# 2 - "a" Cut in East curb return in the NE<sup>c</sup> of Harry & Sheridan Streets ELEV. - #10.37
- BM# 3 - Spk. Step in Power Pole 24' Lt. of Sta. 37+02 ELEV. - #12.90
- BM# 4 - Spk. Step in Power Pole 25' Lt. of Sta. 37+32 ELEV. - #13.23

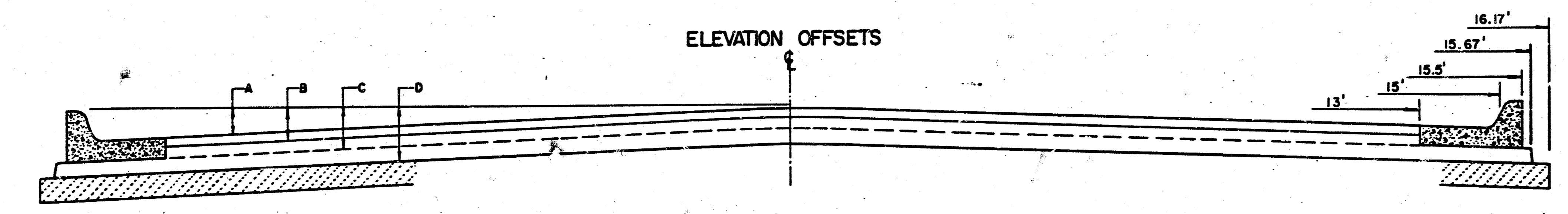
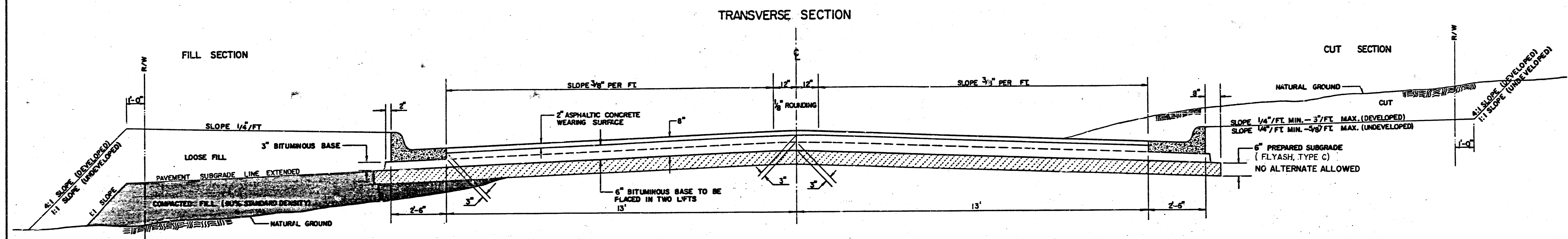


**MUNICIPAL ENGINEERS**  
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854 Laura, Suite 201  
Wichita, Kansas 67211

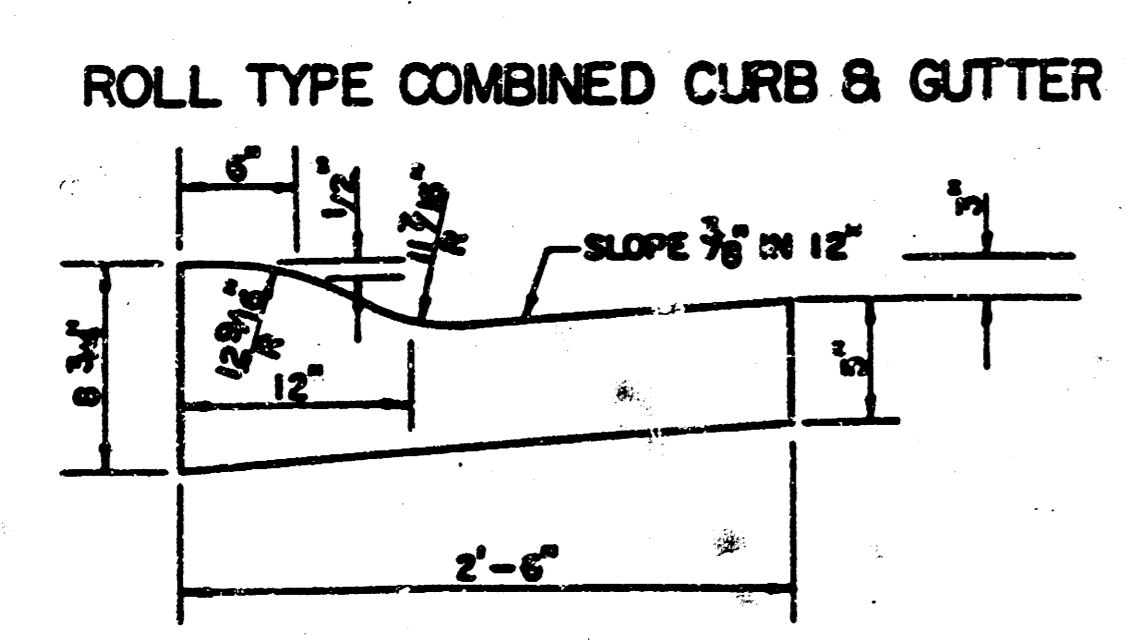
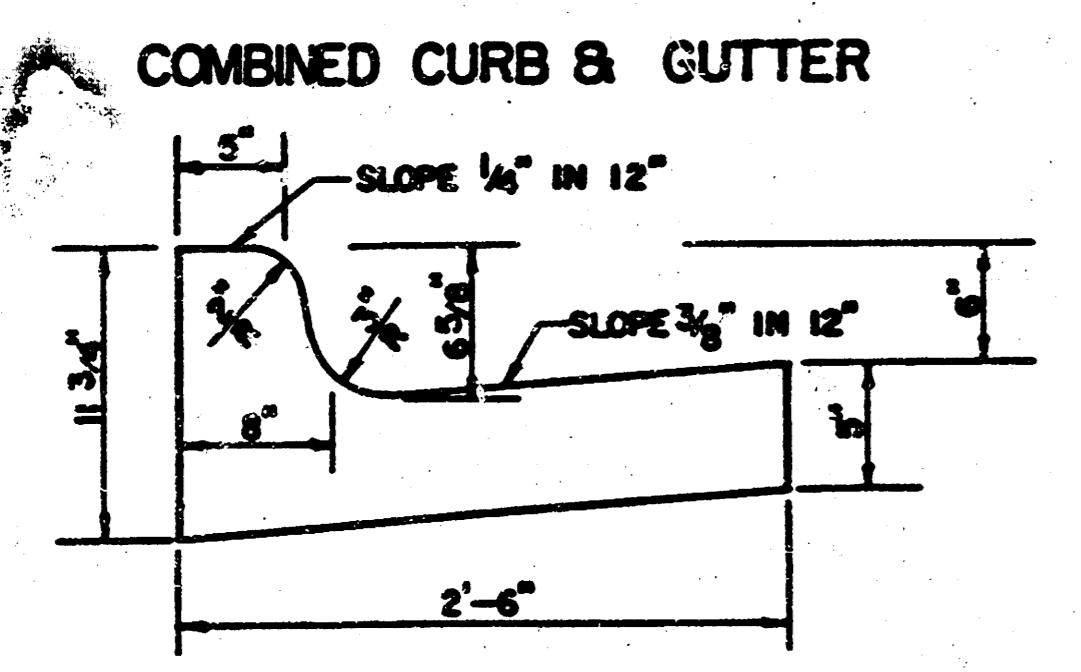
TITLE SHEET			
SCALE: AS SHOWN	APPROVED BY: BK	DRAWN BY: M.W.	
DATE: 2-89		REVISION:	
			DRAWING NUMBER: 1 OF 15

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# TYPICAL 31' PAVEMENT DETAILS



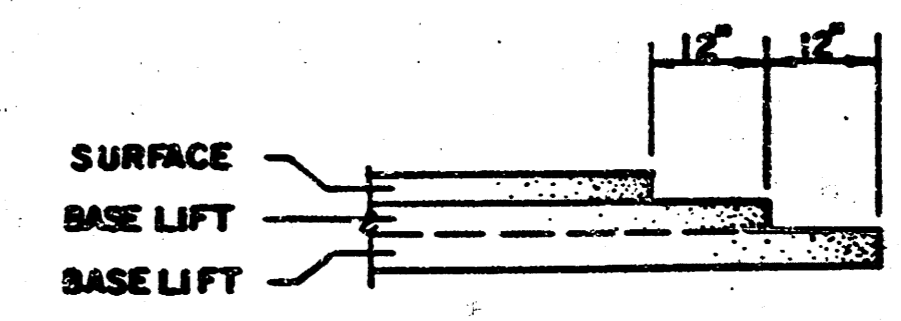
	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.10	.14	.21	.27	.32	.39	.46	.49	---	---	---	---
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.27	.31	.37	.44	.48	.56	.62	.65	---	---	---	---
C: TOP OF CURBS TO TOP 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



### GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8\"/>
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3\"/>
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.03 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.

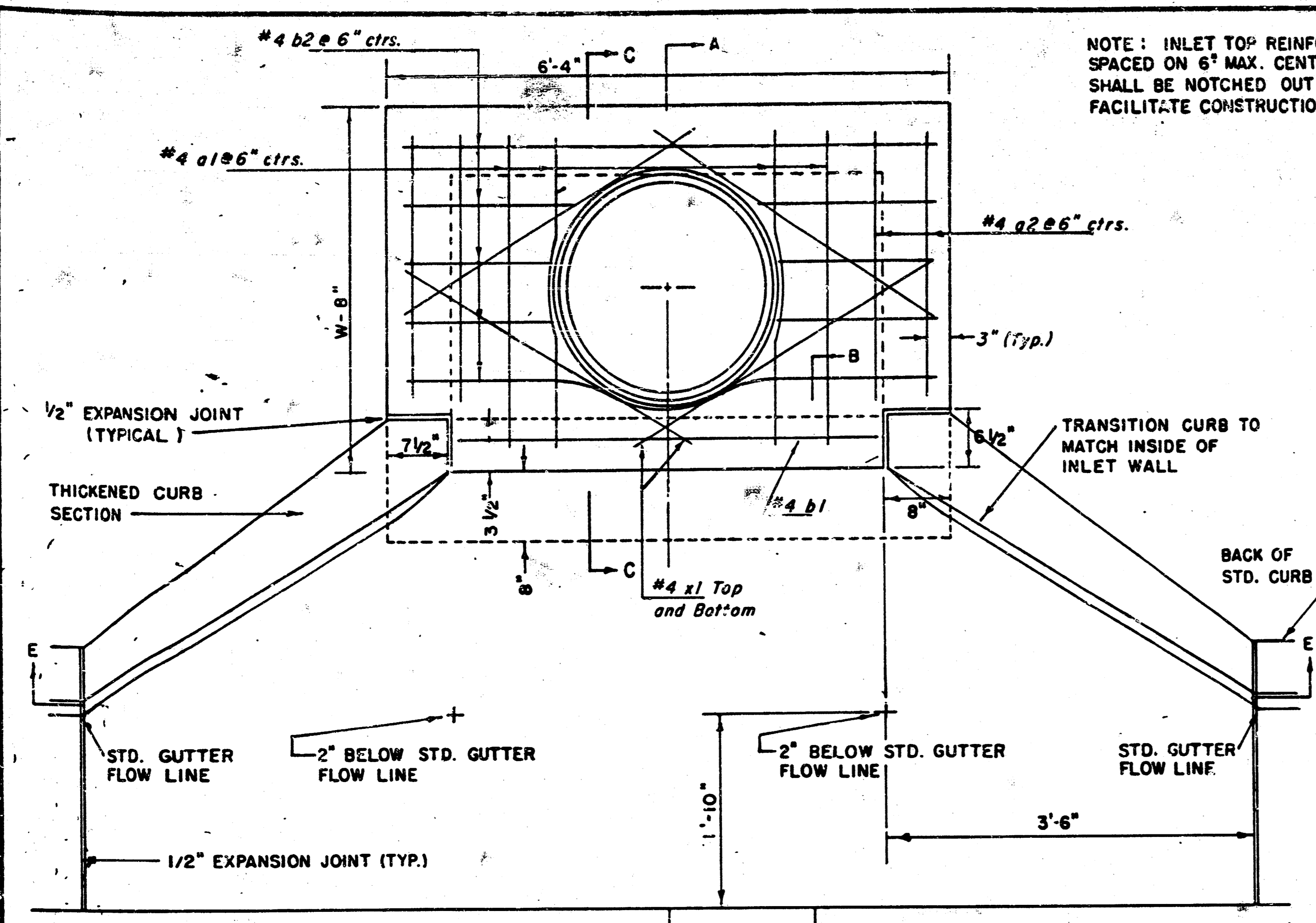
### TRANSVERSE CONSTRUCTION JOINTS



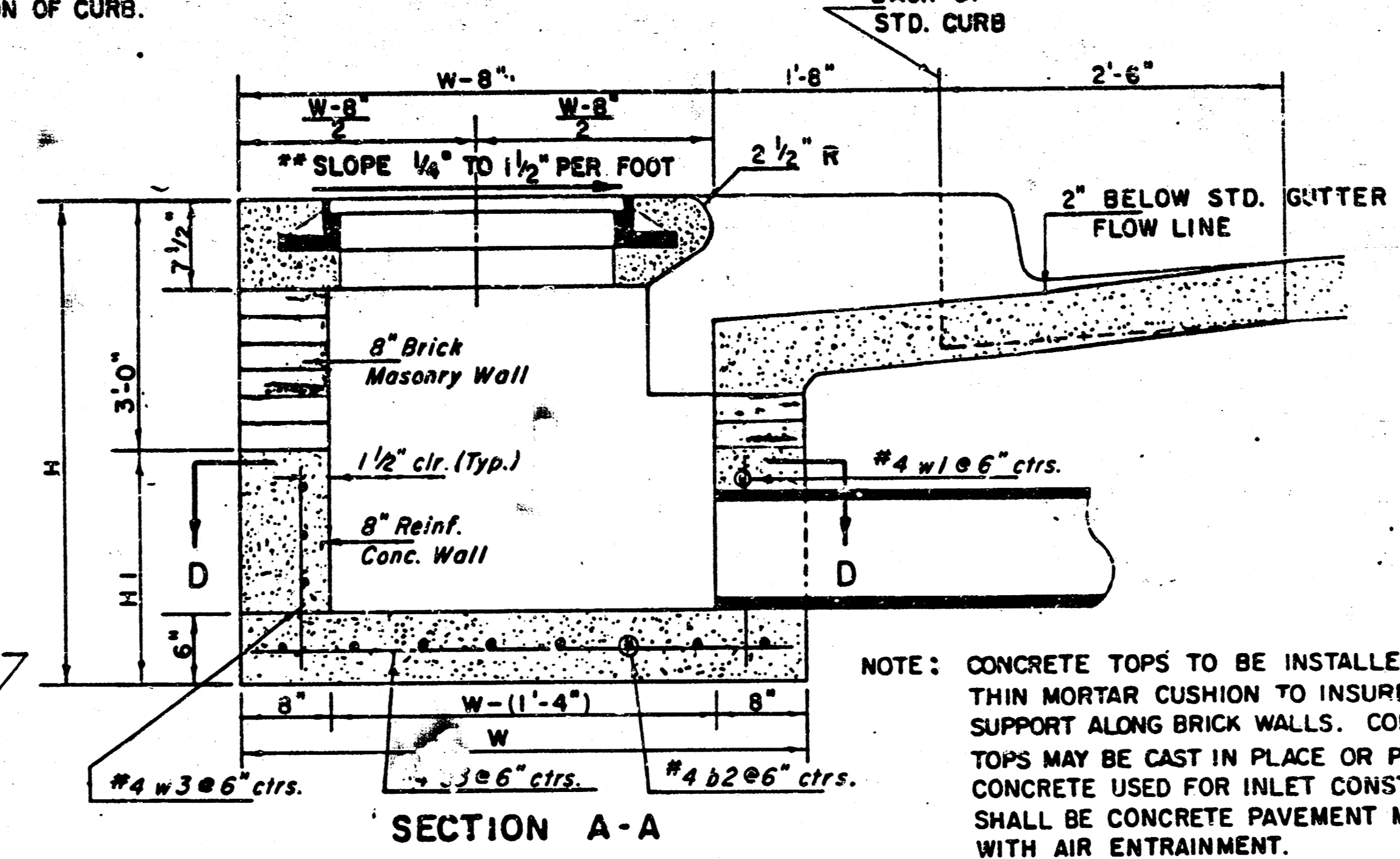
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8\"/>

8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE  
**CITY OF WICHITA, KANSAS**  
 PROJECT NUMBER  
 472-76-245-81862-000-000-001

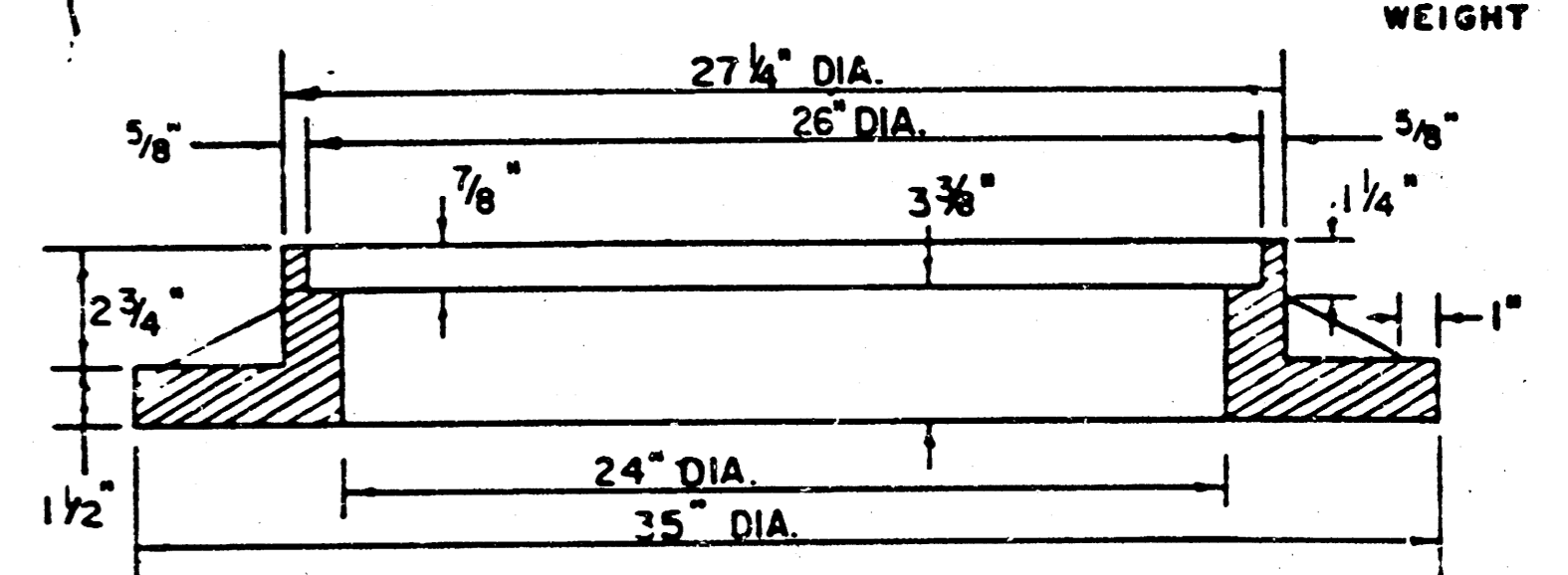
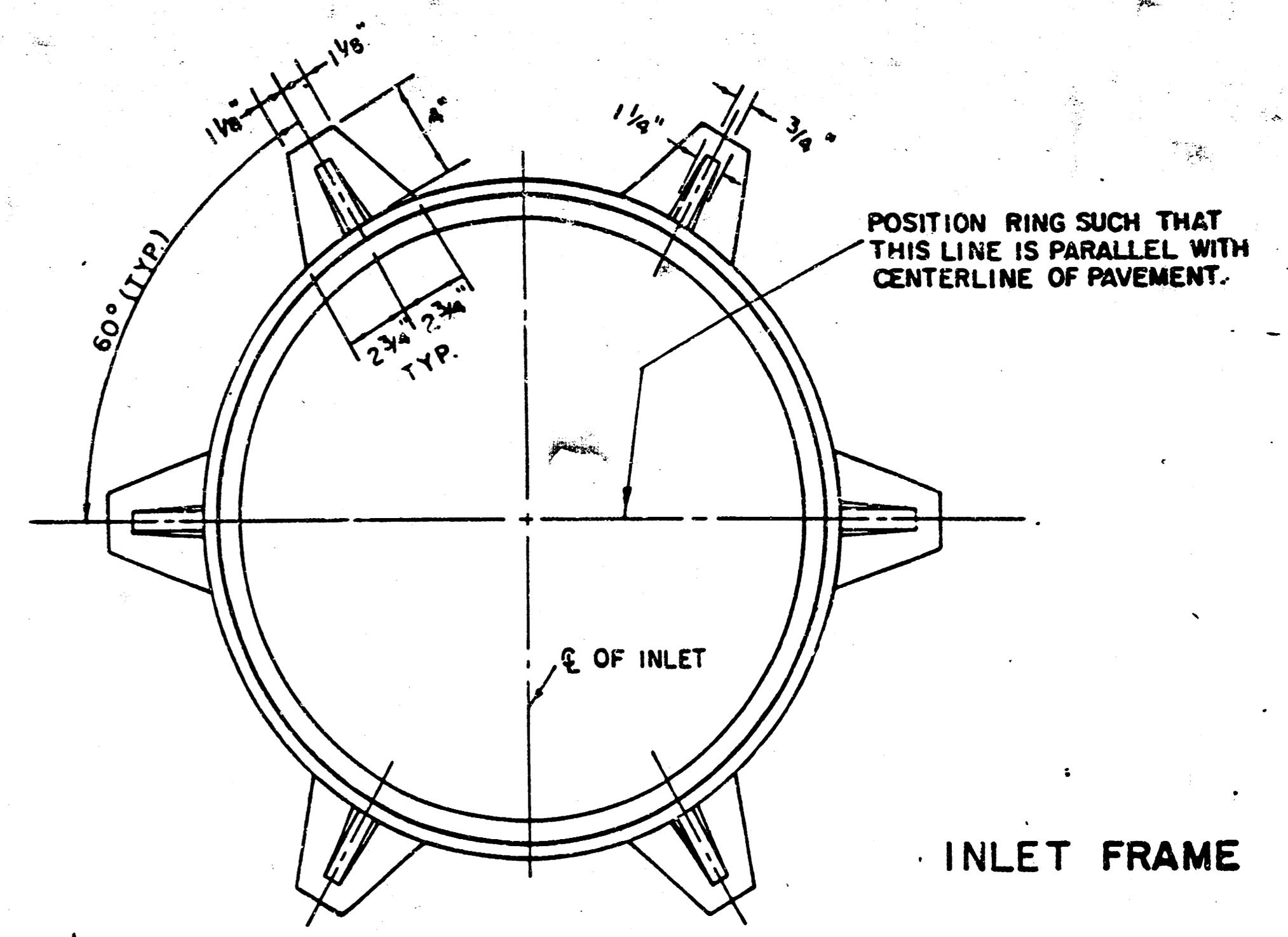
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NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.



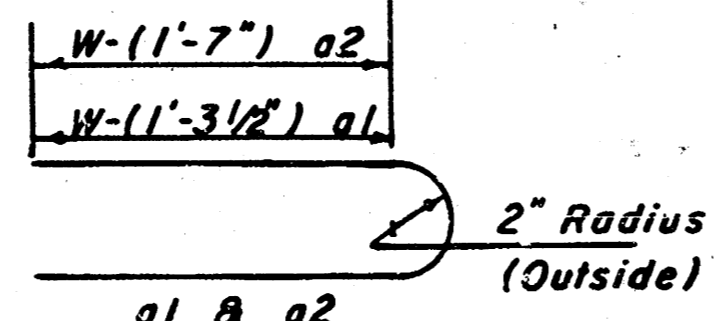
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.



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

NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN



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.

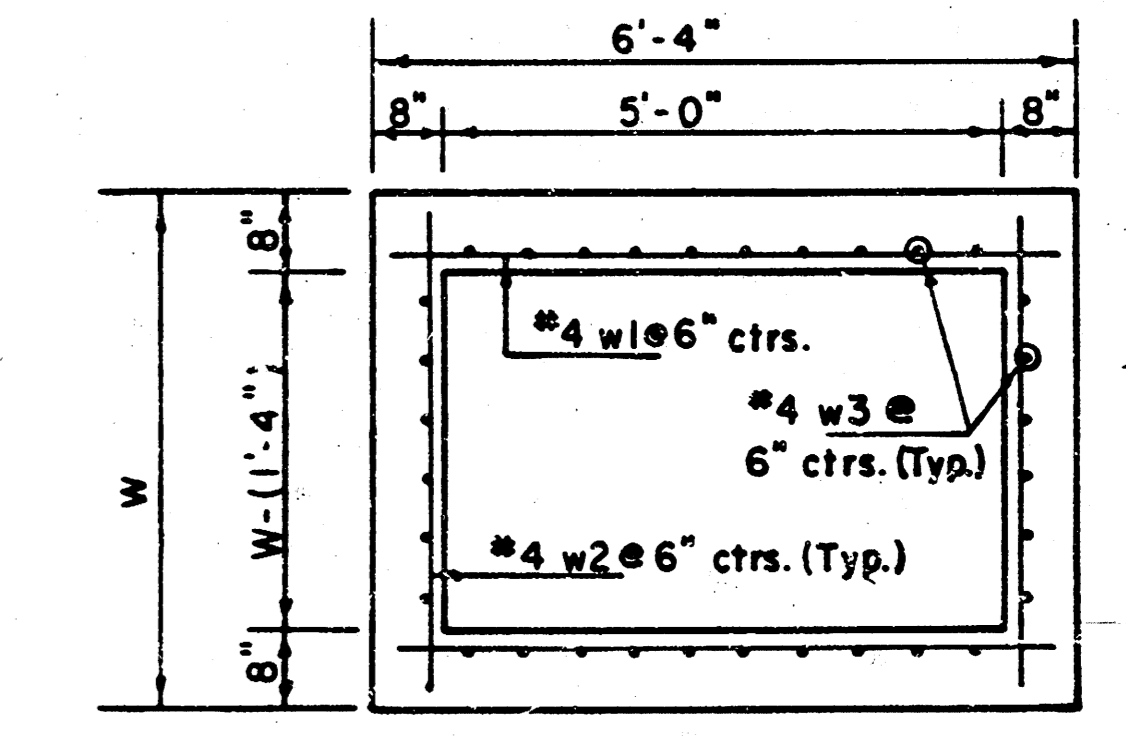
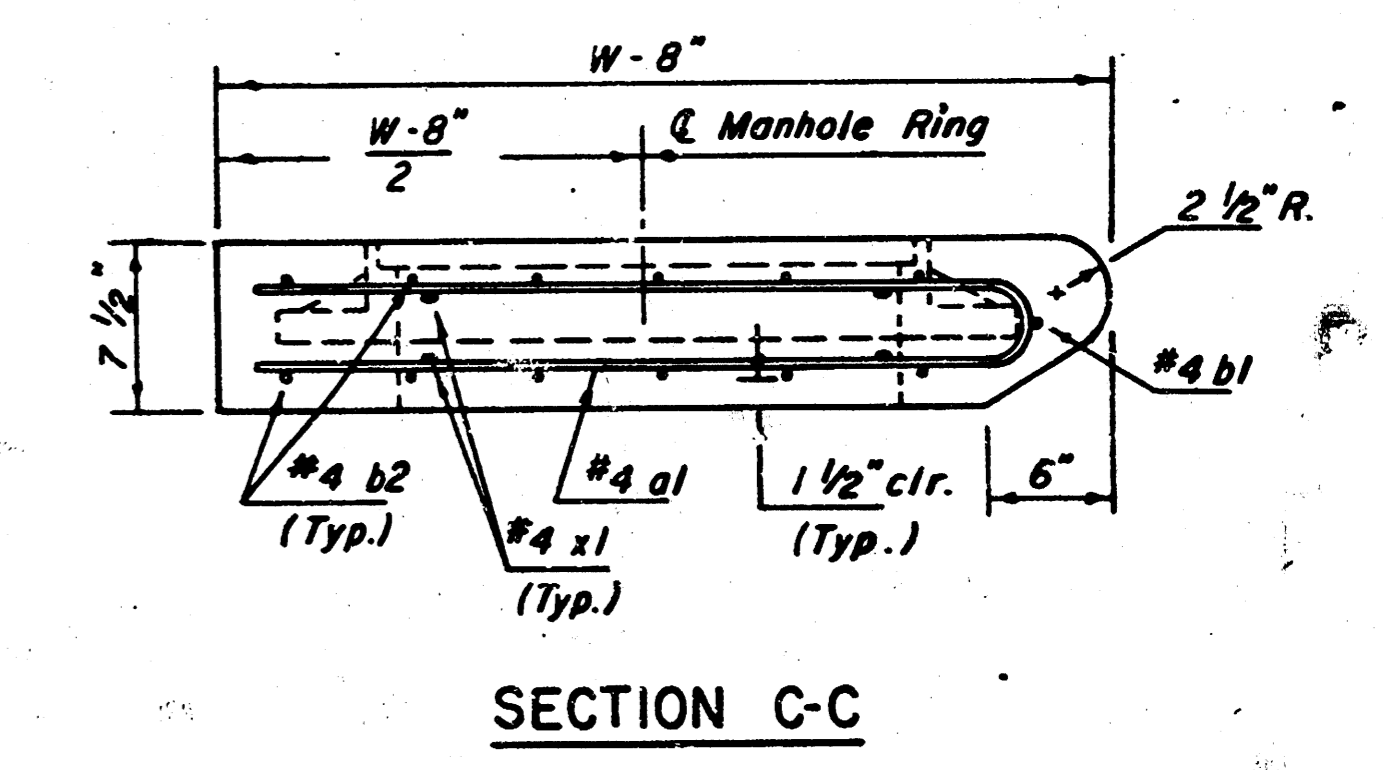
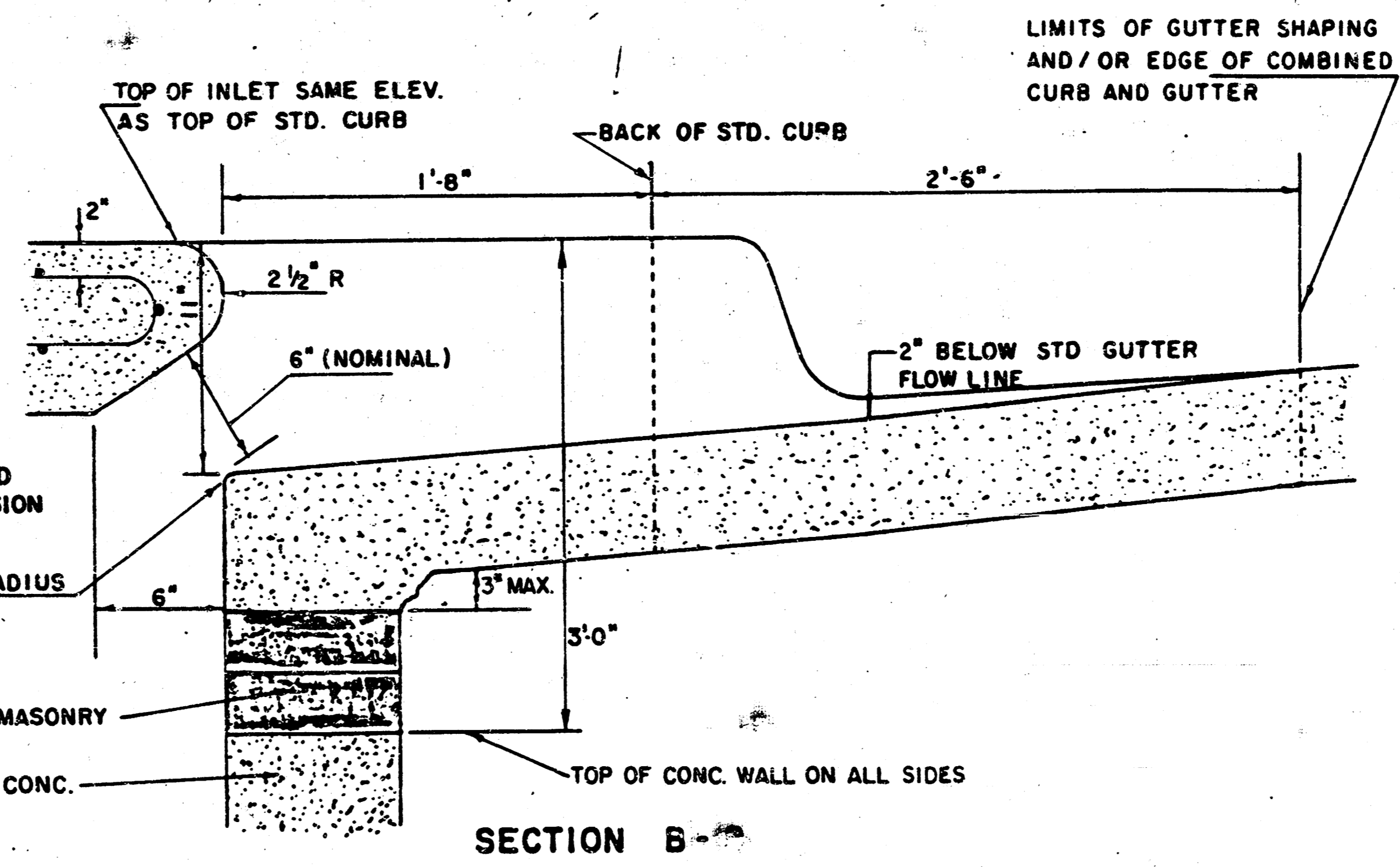
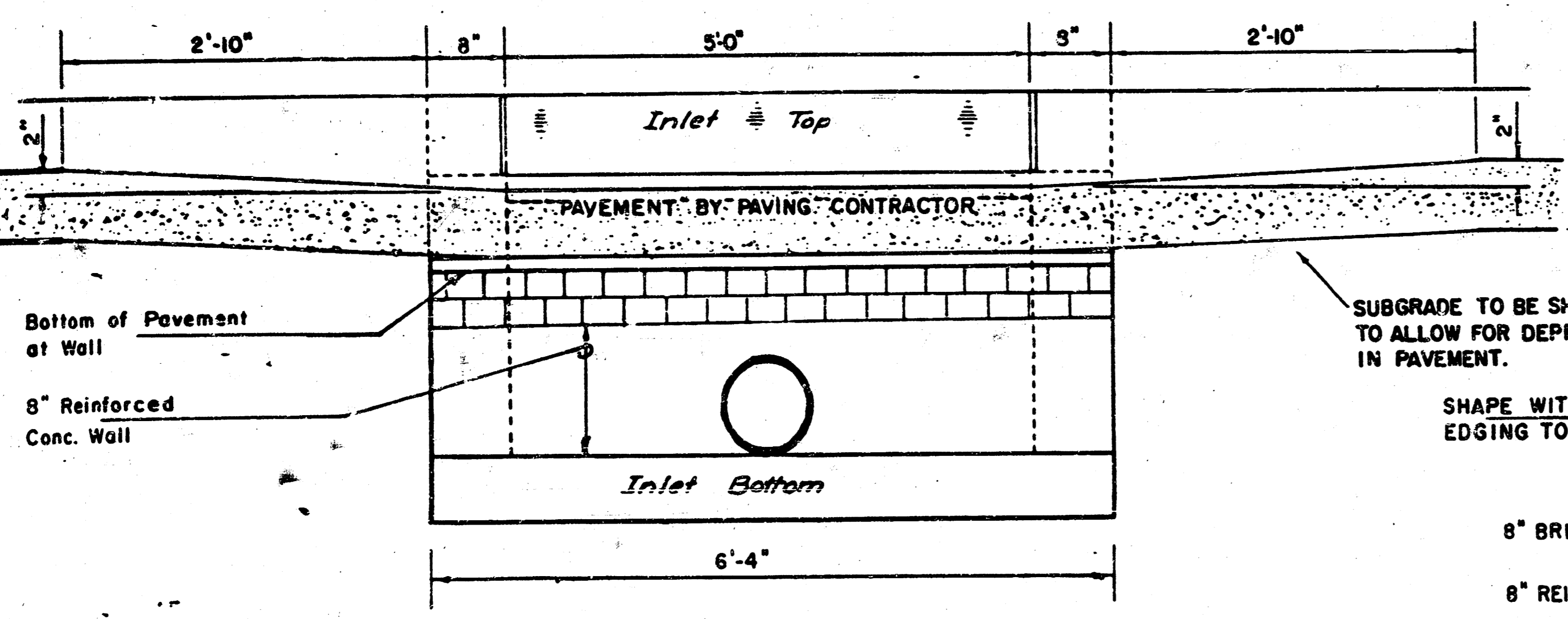
PRECAST SLAB AND FLOOR REINFORCING											
Mark	Size	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	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	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		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"

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 ±	



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

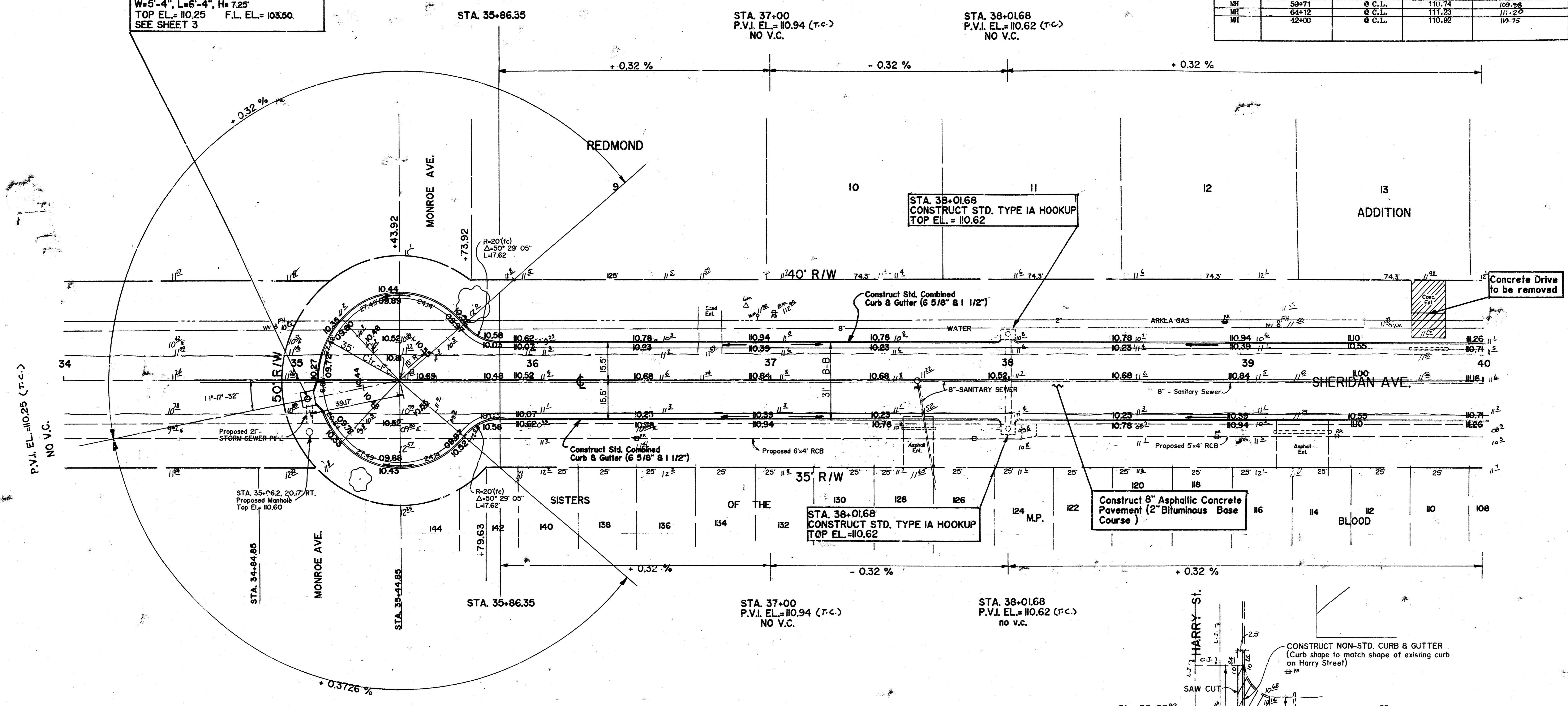
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TYPE	STATION	OFFSET	EXISTING ELEVATION	ADJUST TO ELEVATION
WV	34+90	21' LT	110.85	DO NOT ADJUST
WM	36+96	26' LT	111.90	111.27
WV	36+13	22' LT	111.50	111.25
WM	39+58	22' LT	111.83	111.40
WV	40+21	21' LT	111.67	111.44
WV	41+52	22' LT	111.40	111.35
WV	52+29	21' LT	110.44	110.13
WV	61+69	23' LT	110.30	110.54
MI	37+62	@ C.L.	111.22	110.64
MI	59+71	@ C.L.	110.74	109.26
MI	64+12	@ C.L.	111.23	111.25
MI	42+00	@ C.L.	110.92	110.75

STA. 35+42.93 CENTER OF CUL-DE-SAC  
60d PK NAIL

1. 40d SPK IN TREE 75.49' SE  
2. 40d SPK IN TREE 44.13' ESE  
3. 40d SPK IN TREE 65.75' NW

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. 35+06.2, 20.7 RT.  
Proposed Manhole  
Top EL.=110.60

STA. 35+44.85  
+79.93

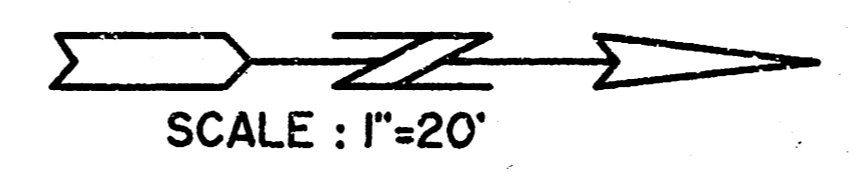
STA. 38+01.68  
CONSTRUCT STD. TYPE IA HOOKUP  
TOP EL.=110.62

Construct 8" Asphaltic Concrete  
Pavement (2" Bituminous Base  
Course)

Concrete Drive  
to be removed

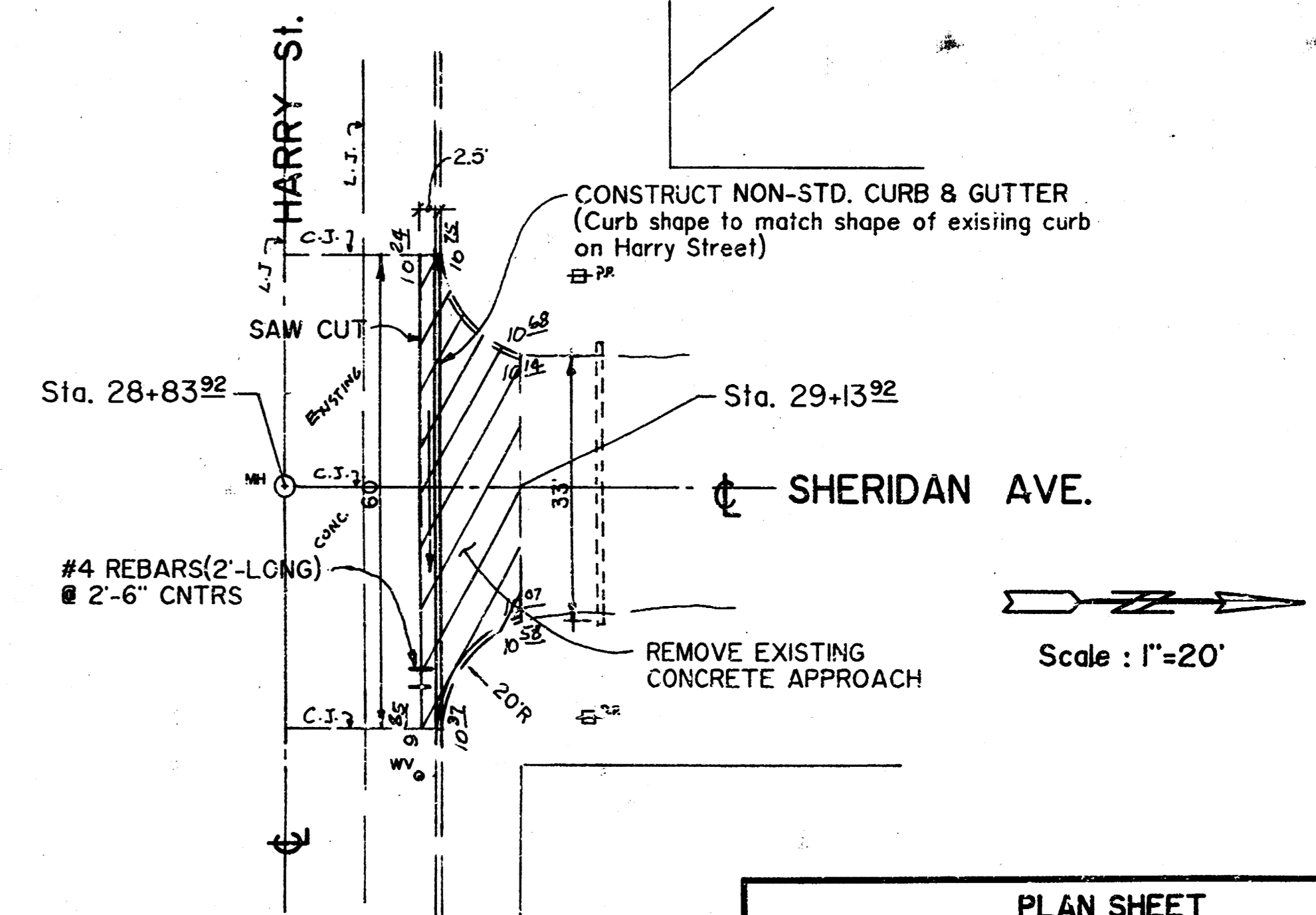
EARTHWORK QUANTITIES			
	EXCAVATION	LOOSE FILL	COMPACTED FILL
	3,400 C.Y.	453 C.Y.	0
+ 10%	3,740 C.Y.	498 C.Y.	0
<b>TOTAL</b>	<b>3,740 C.Y.</b>	<b>498 C.Y.</b>	<b>0</b>

NOTE: Storm sewer shown as proposed storm sewer will be constructed through city of Wichita project # 468-76-245-S1777-000-000-001 Prior to construction of these paving improvements.



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

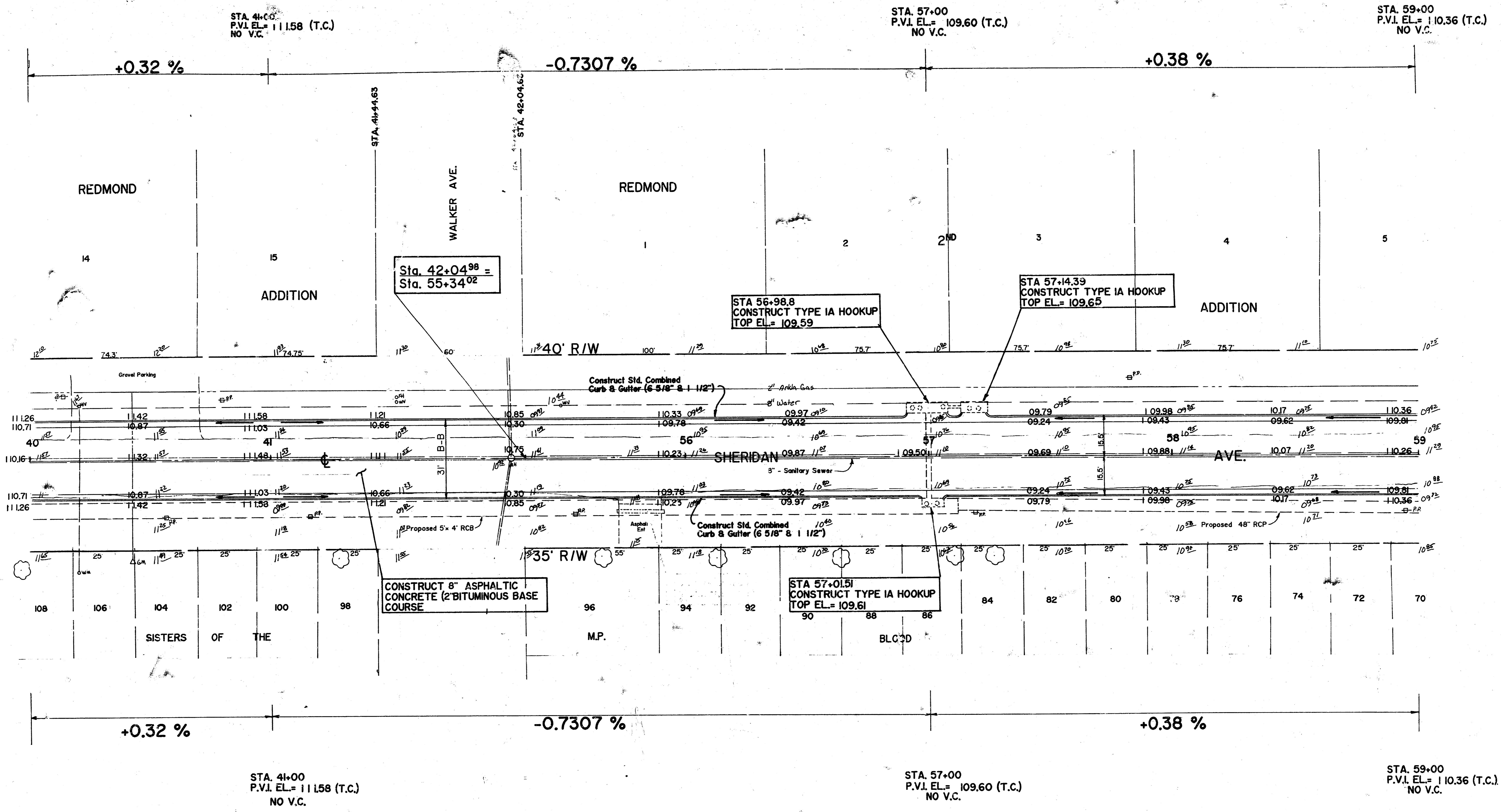
1. 40d SPK IN P.P. 37.60' SW  
2. 40d SPK & WASHER IN P.P. 45.50' NW  
3. 40d SPK IN P.P. 47.50' NE



PLAN SHEET SHERIDAN AVENUE			
SCALE: 1"=20'	APPROVED BY:	DRAWN BY: M.W.	
DATE: 2-88	B.K.	REVISED	
472-76-245-81862-000-000-001			DRAWING NUMBER 4 OF 15

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

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SCALE: 1"=20'

PLAN SHEET		
SHERIDAN AVENUE		
SCALE: 1"=20'	APPROVED BY: B.K.	DRAWN BY: M.W.
DATE: 2-88		REVISED:
472-76-245-81862-000-001		DRAWING NUMBER: 5 OF 15

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

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STA. 59+00  
P.V.I. EL. = 110.36  
NO V.C.

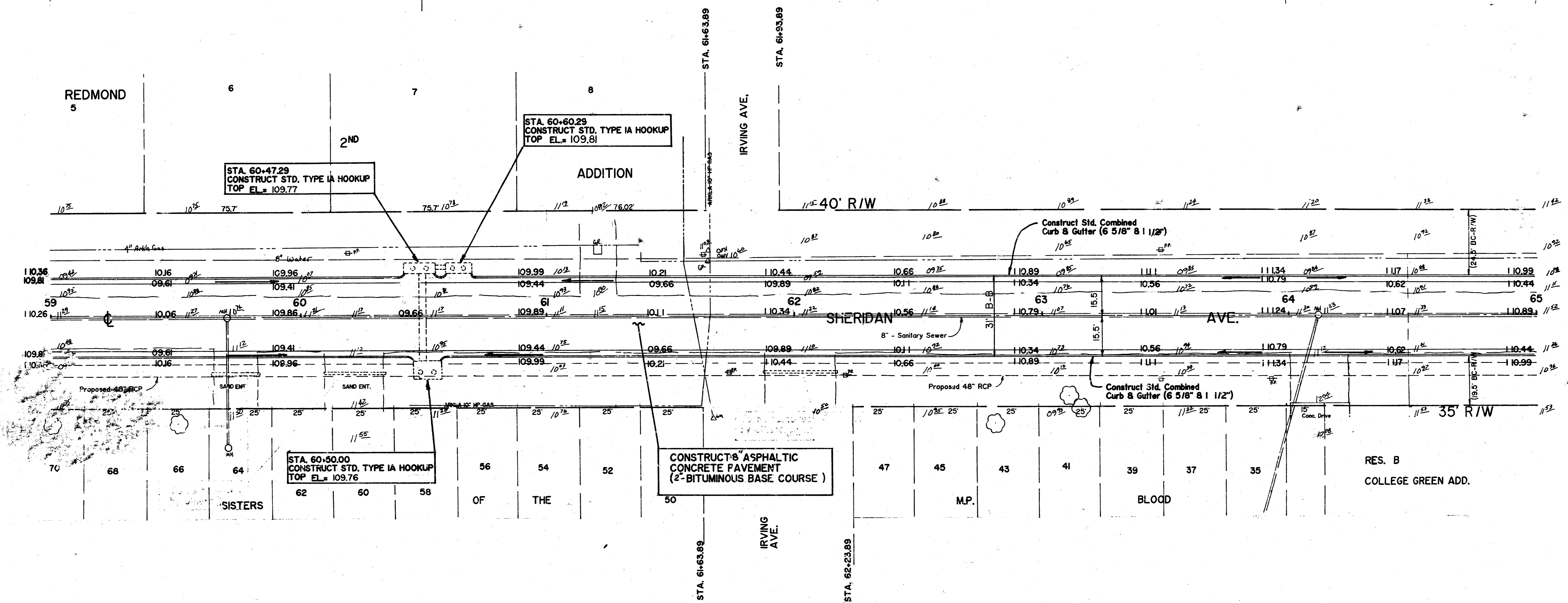
STA. 60+50  
P.V.I. EL. = 109.76  
NO V.C.

STA. 64+00  
P.V.I. EL. = 111.34  
NO V.C.

-0.40 %

+0.45 %

-0.35 %



-0.4 %

+0.45 %

-0.35 %

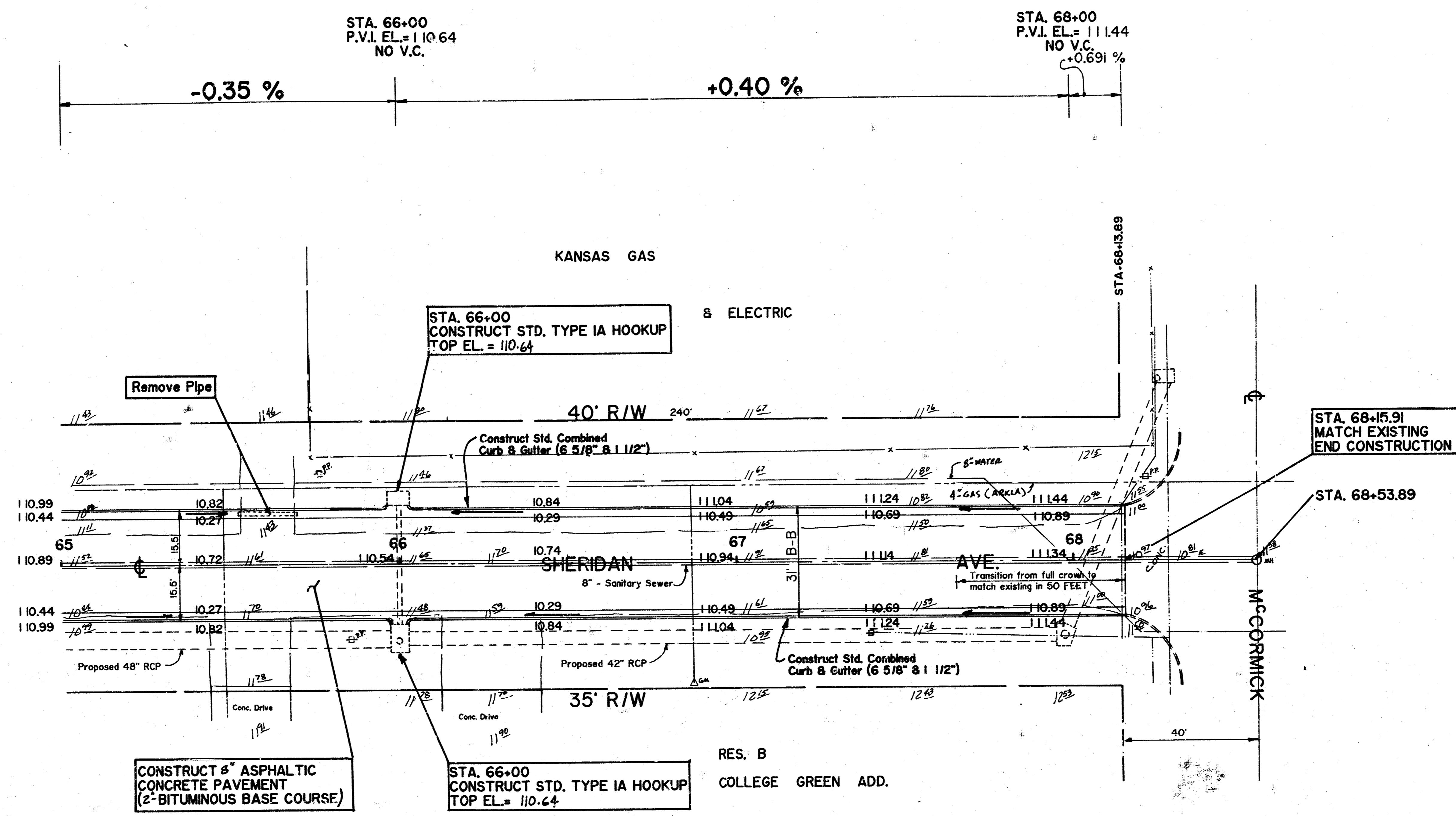
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P.V.I. EL. = 110.36  
NO V.C.

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NO V.C.

STA. 64+00  
P.V.I. EL. = 111.34  
NO V.C.

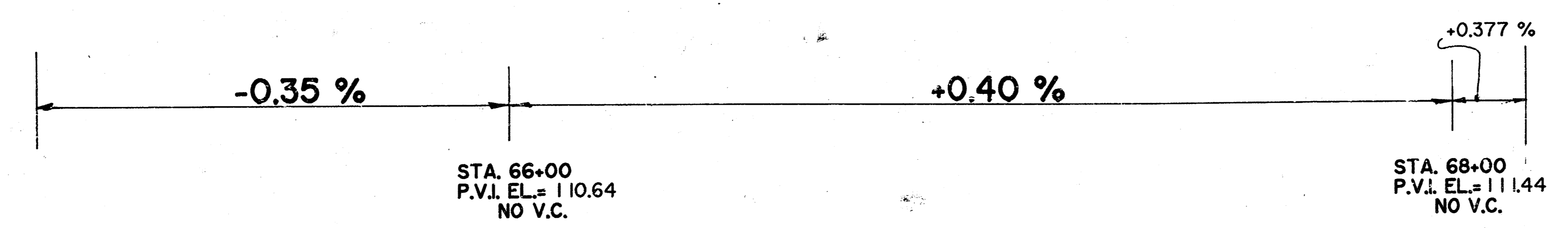


PLAN SHEET		
SHERIDAN AVENUE		
SCALE: 1"=20'	APPROVED BY: B.K.	DRAWN BY: M.W.
DATE: 2-89		REVISED
		DRAWING NUMBER
472-76-245-8862-000-000-001		6 OF 15



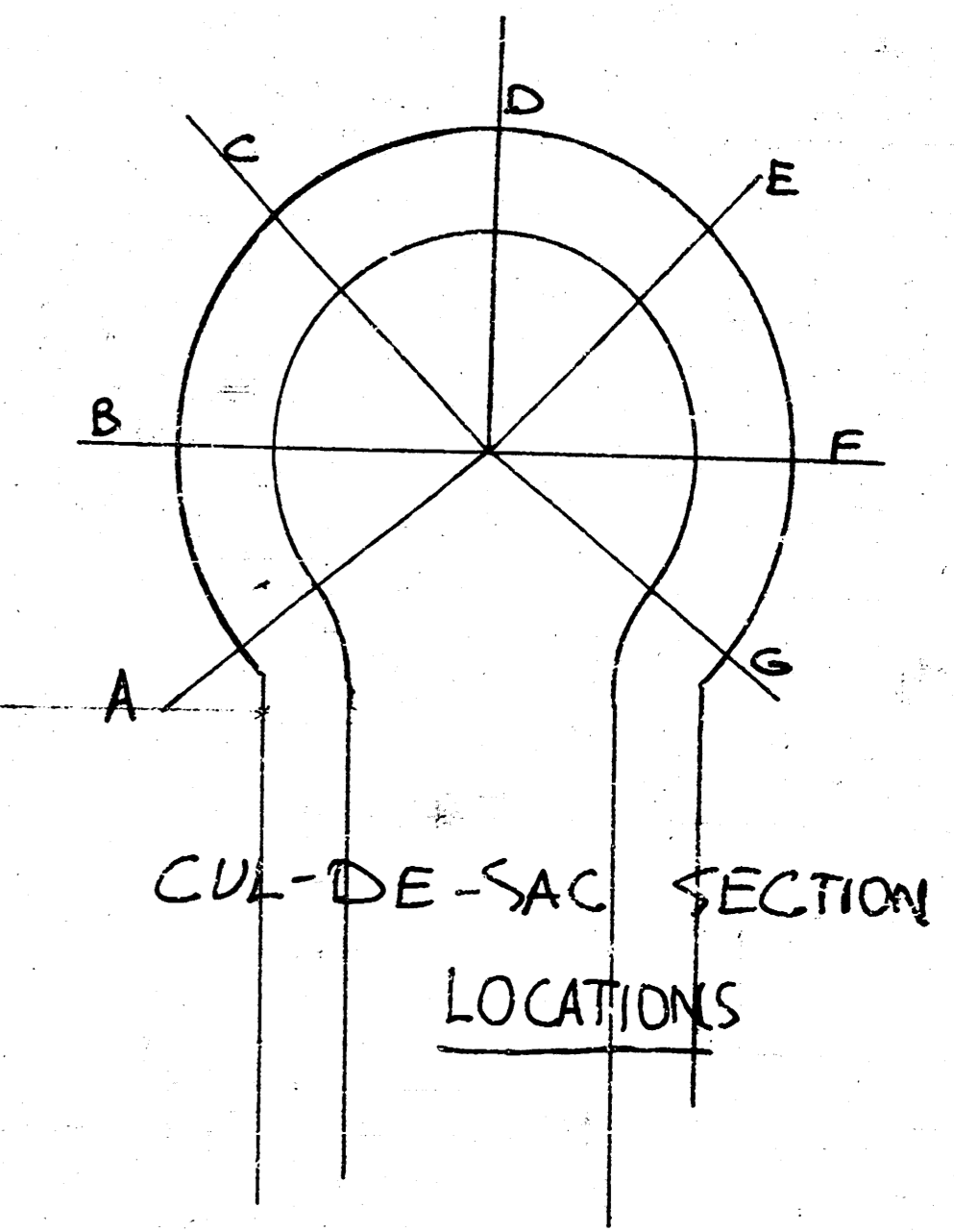
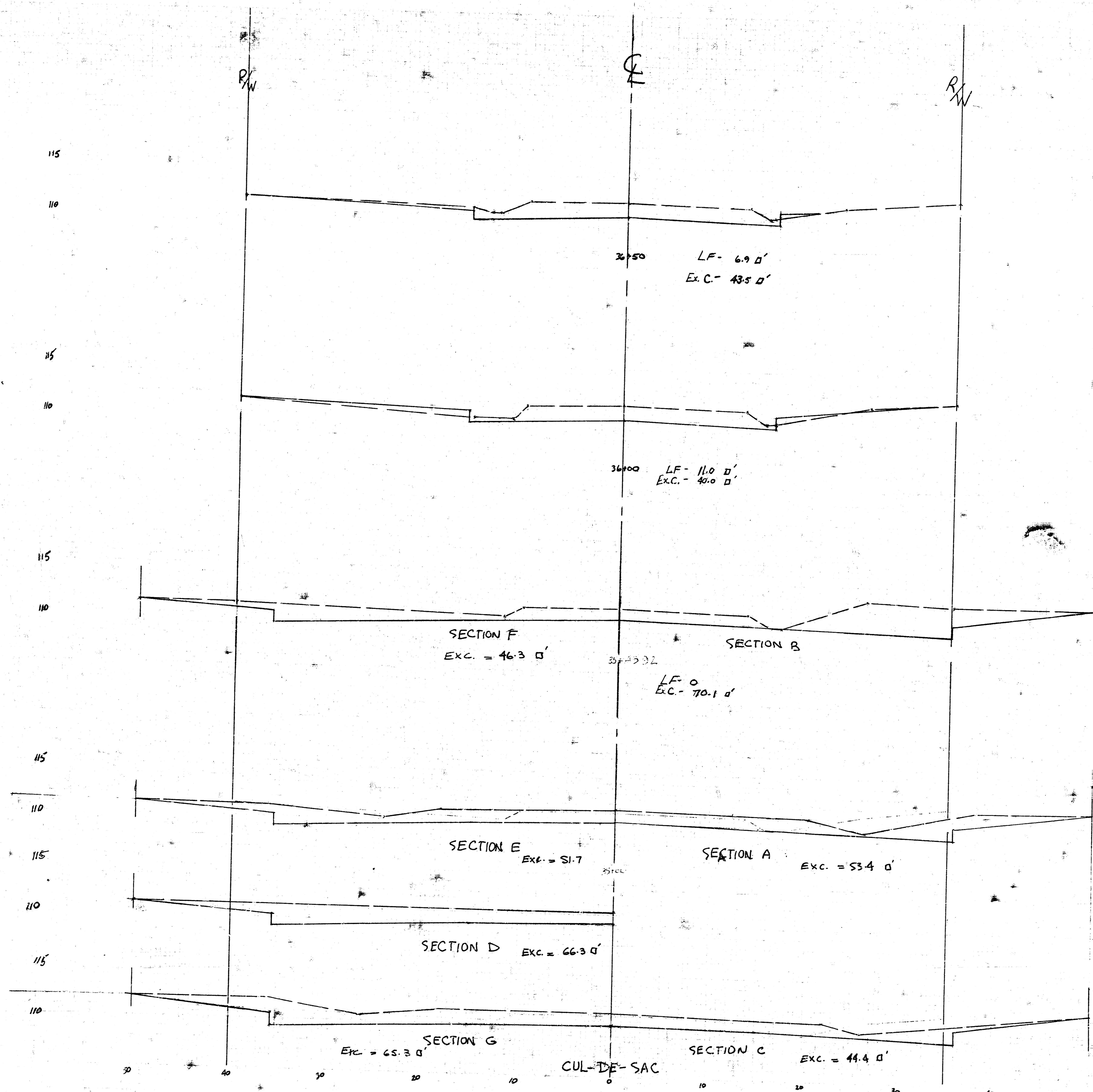
STA. 68+53.89 SHERIDAN/McCORMICK  
PK NAIL IN M.H. COVER

1. CONC. NAIL & BOTTLE CAP IN P.P. 4140' SW
2. 40# NAIL & WASHER IN P.P. 4030' NW
3. 80# SPK(BENT) IN P.P. 3940' NE

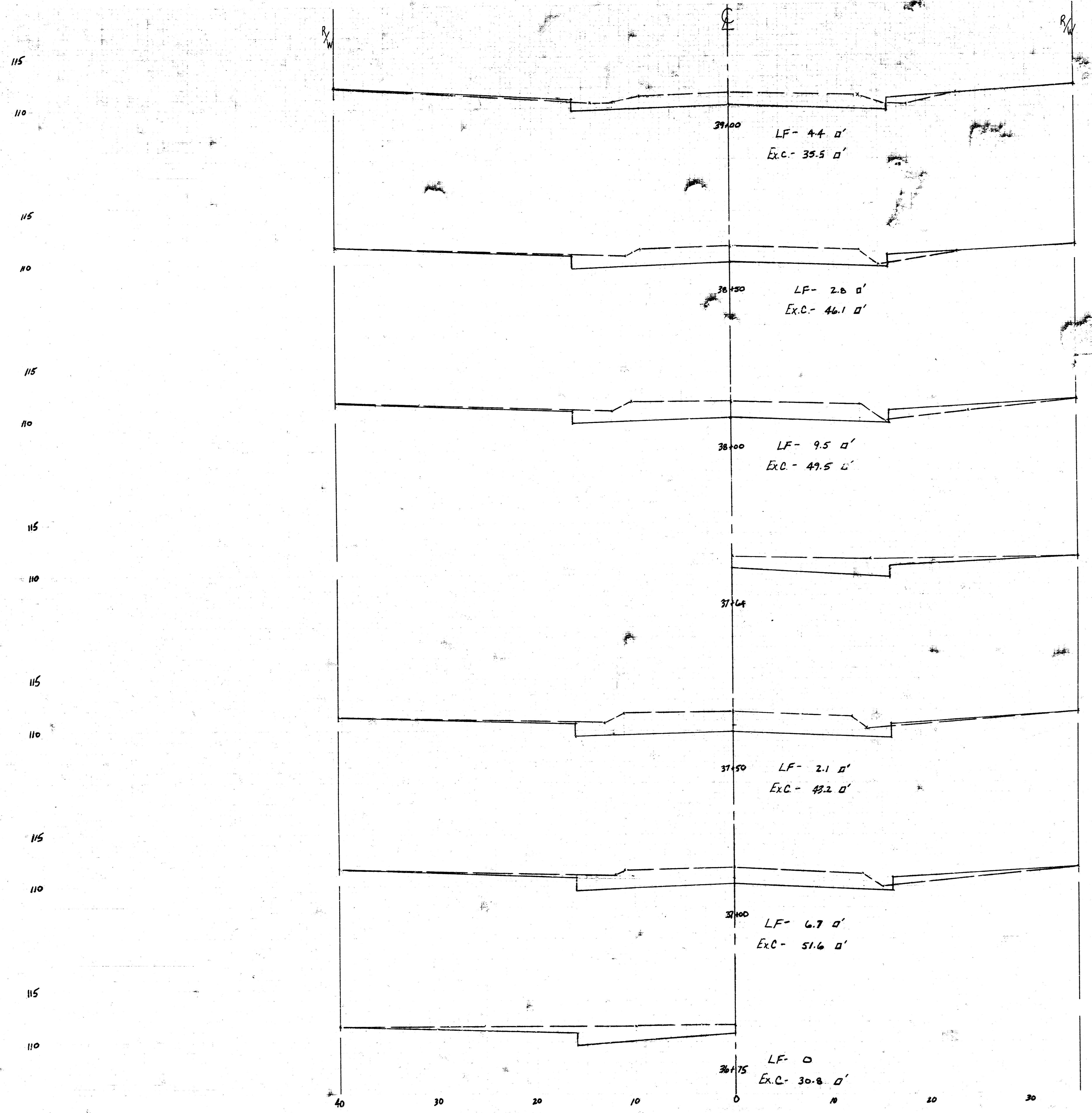


SCALE: 1"=20'

PLAN SHEET		
SHERIDAN AVENUE		
SCALE: 1"=20'	APPROVED BY: BK	DRAWN BY: M.W.
DATE: 2-89		REVISED
MUNICIPAL ENGINEERS Civil Engineers & Land Surveyors 54 Laura, Suite 201 Wichita, Kansas 67211		DRAWING NUMBER: 472-76-245-81862-000-001
		7 OF 15



SHERIDAN AVE. <sup>9/15</sup>  
36+75 to 39+00

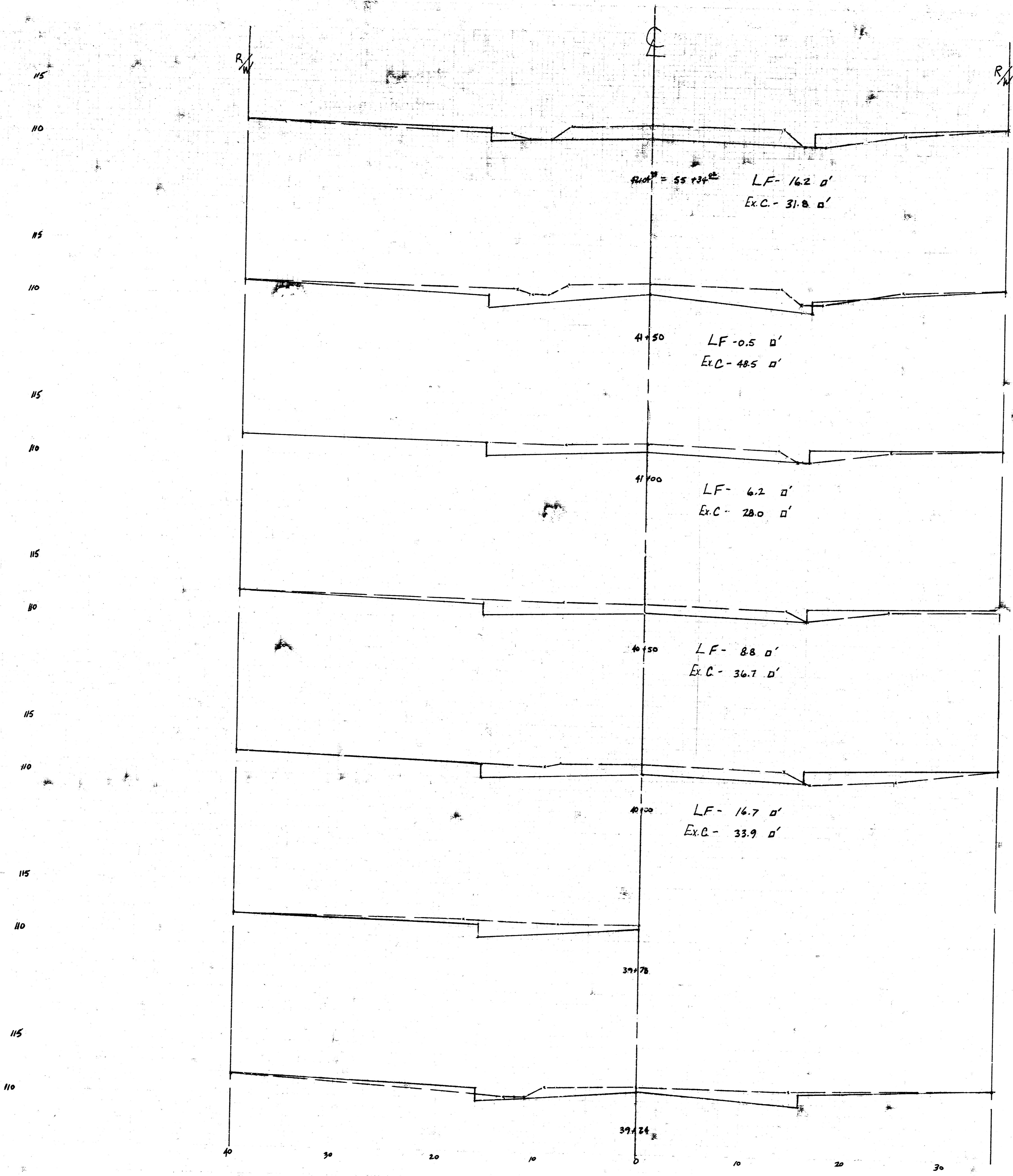


PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVE.  
39+24 to 42+04

10/15



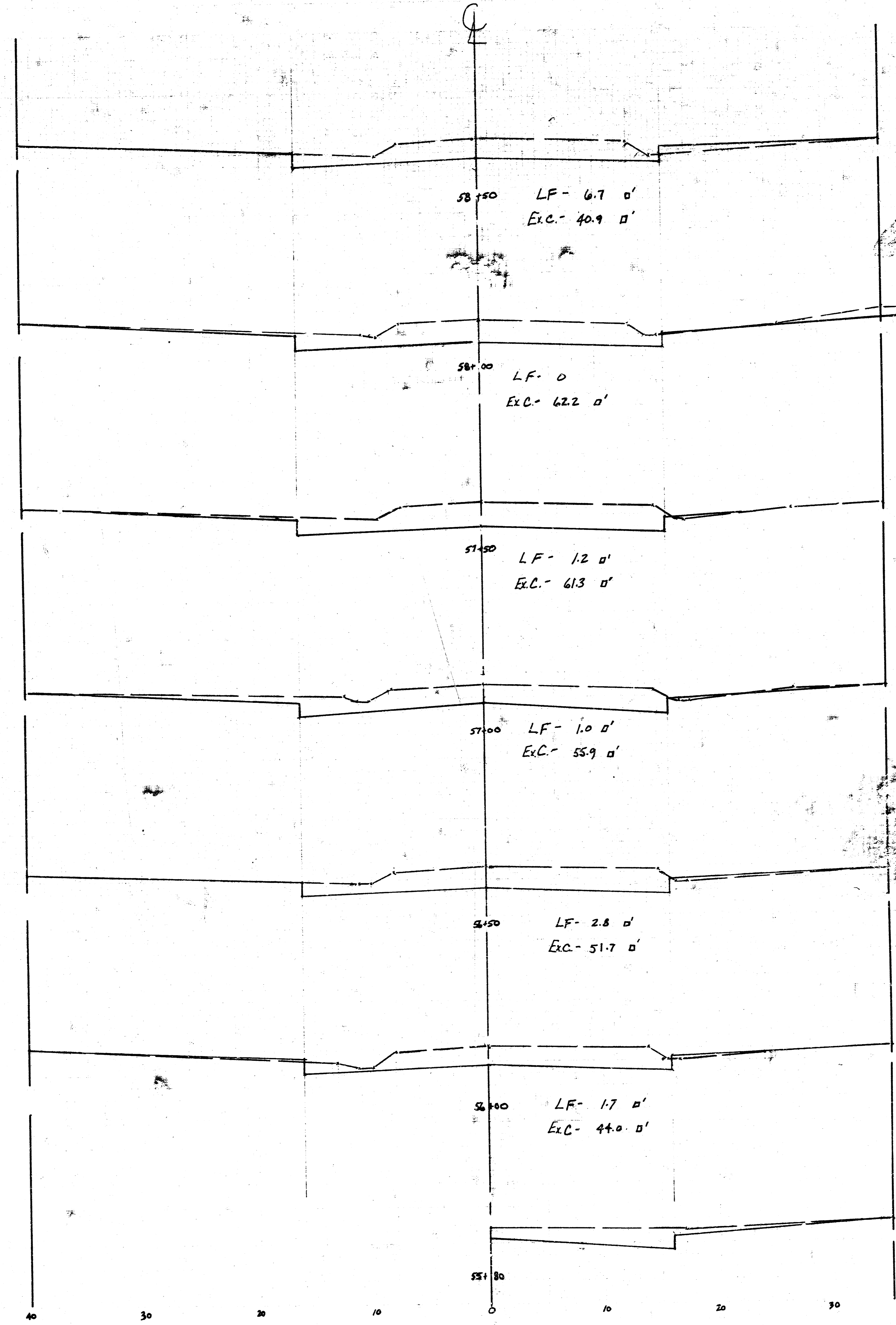
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SHERIDAN AVE.  
55+00 to 58+50

11/15

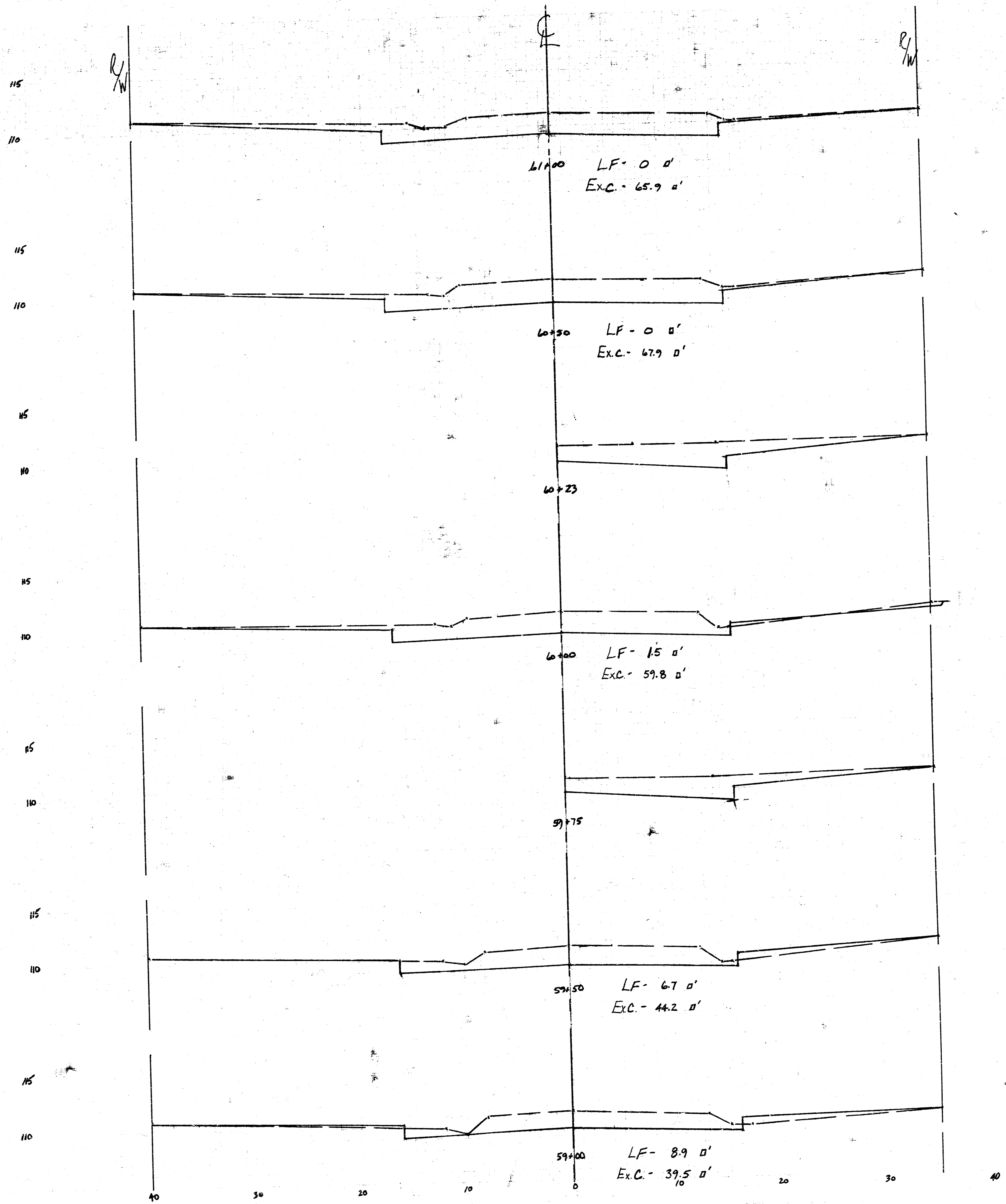
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PROJECT #: 472-76-245-81862-000-000-001

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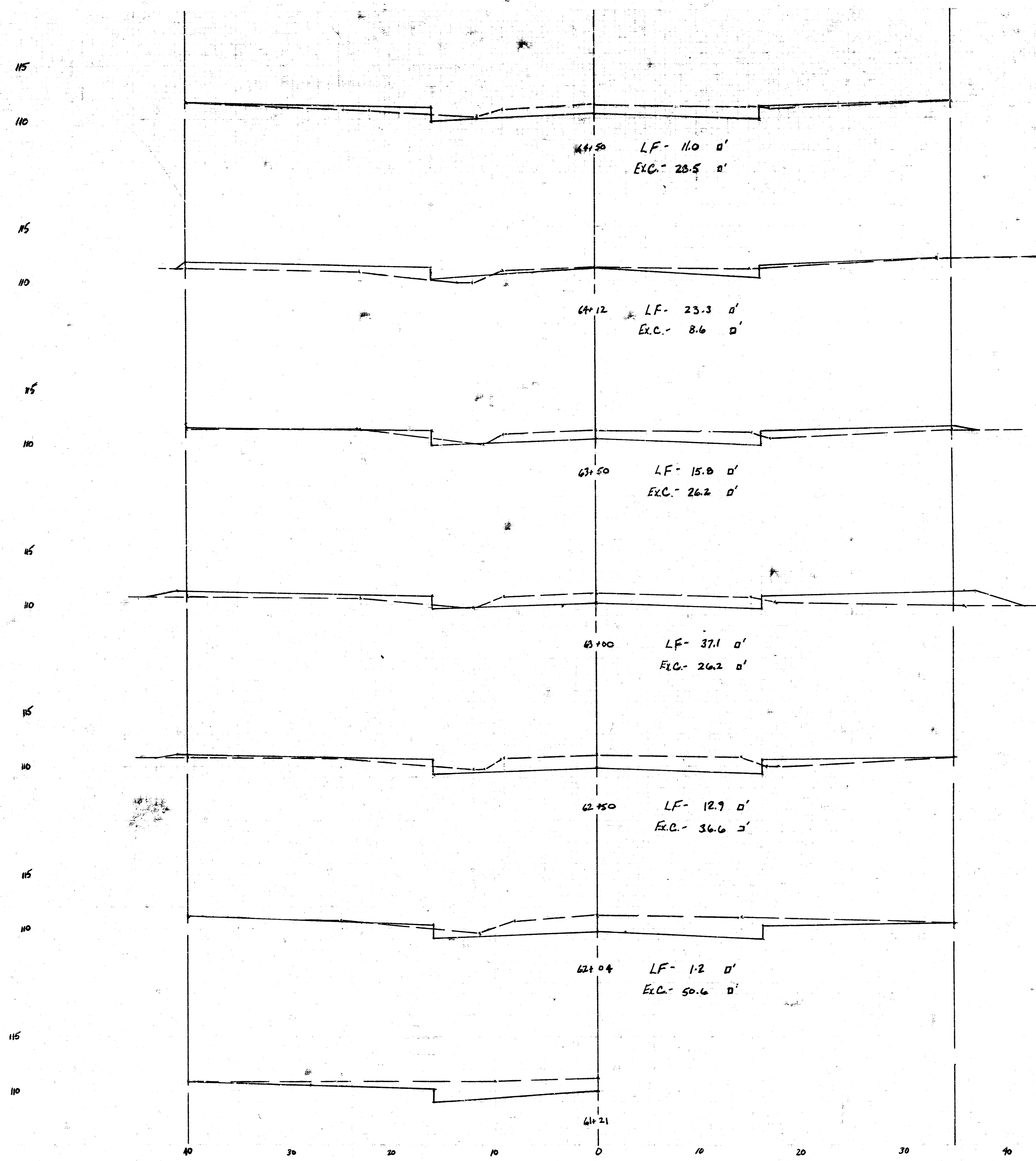
SHERIDAN AVE. (12/15)  
59100 to 61100



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

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SHERIDAN AVENUE (13/15)  
61+21 to 64+50

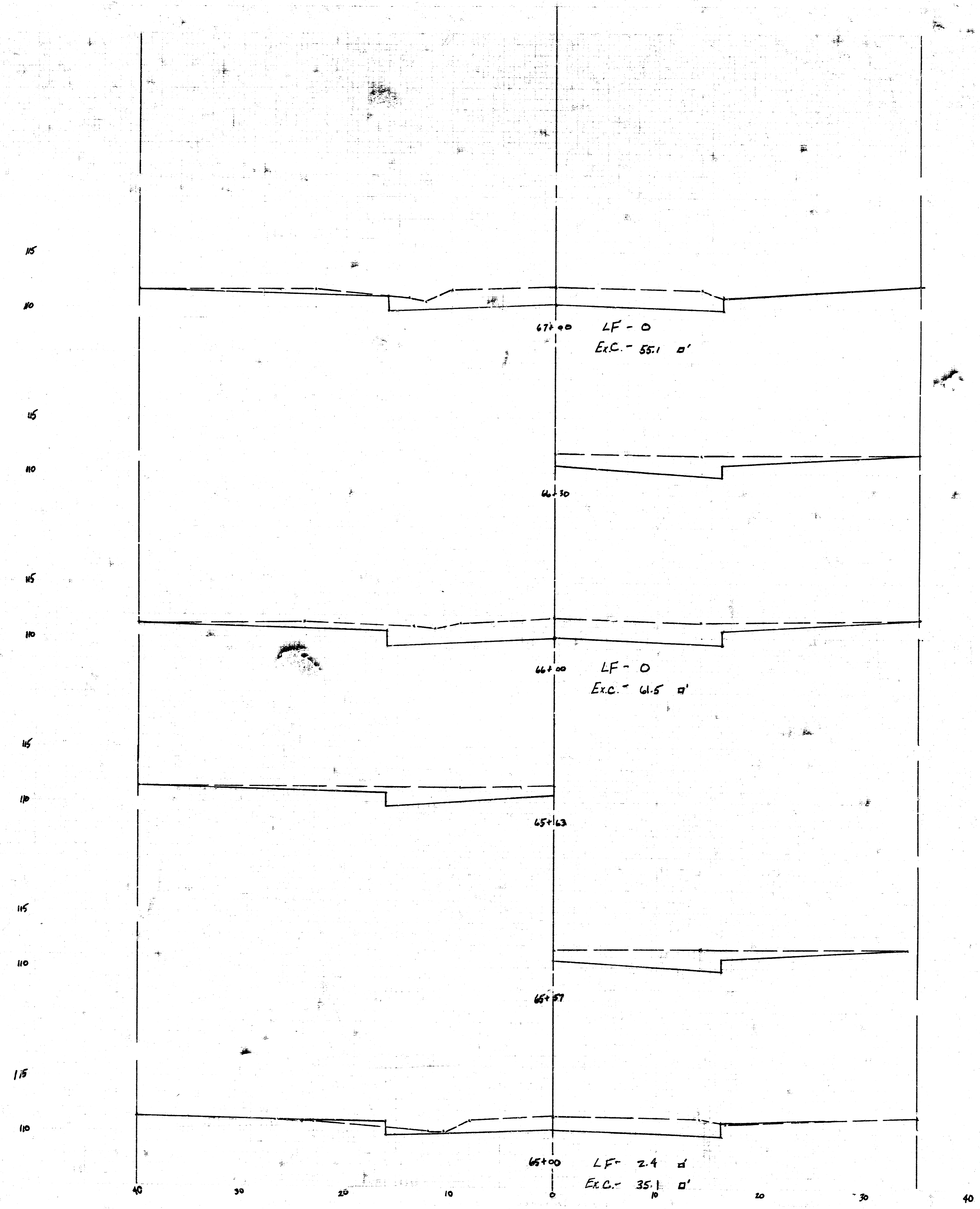


PROJECT #: 472-76-245-81862-000-000-001

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SHERIDAN AVE.  
65+00 to 67+00

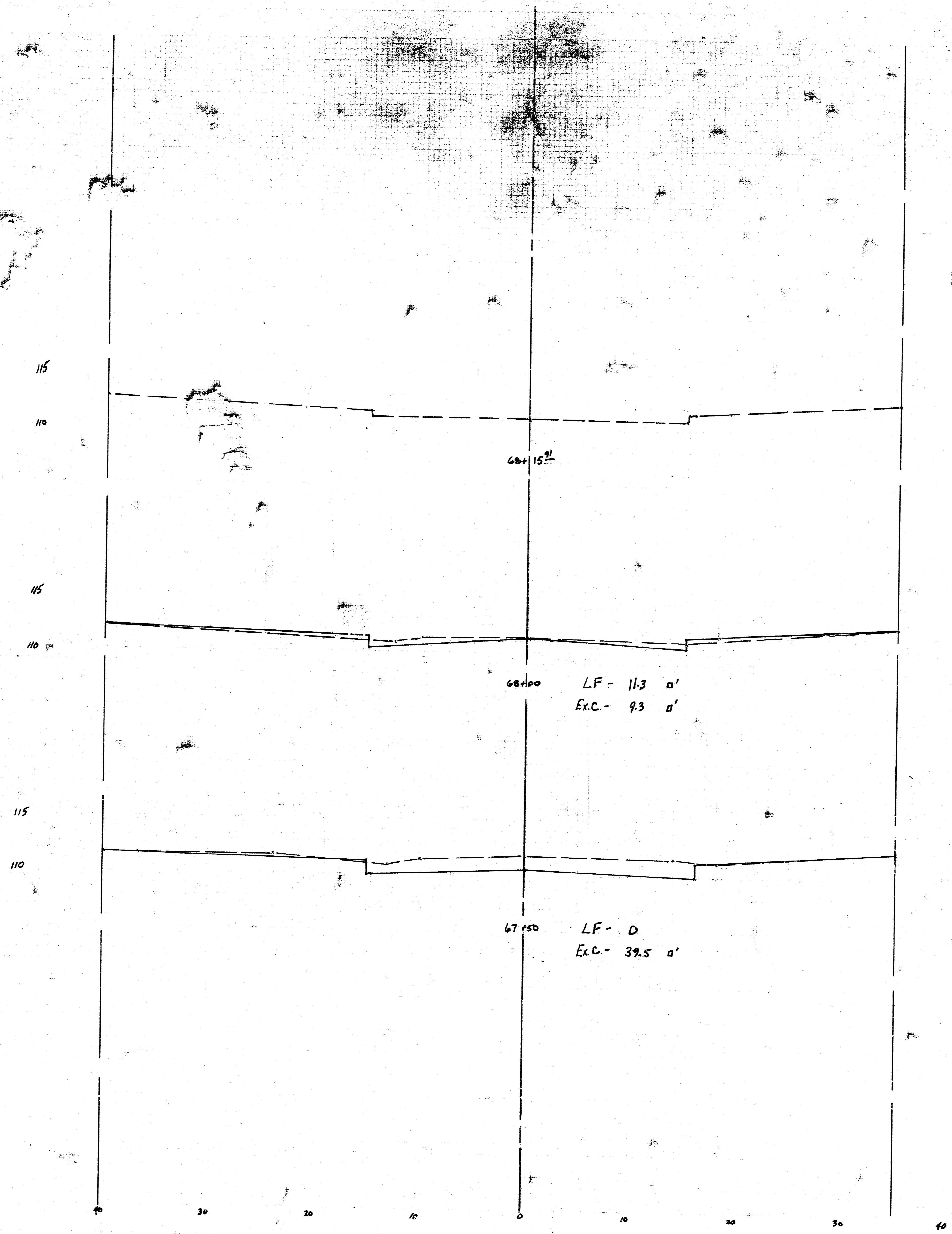
14/15



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SHERIDAN AVE. (15/15)  
67+80 to 68+15<sup>2L</sup>



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