CITY OF WICHITA, KANSAS

PAVING IMPROVEMENTS

SHERIDAN AVENUE

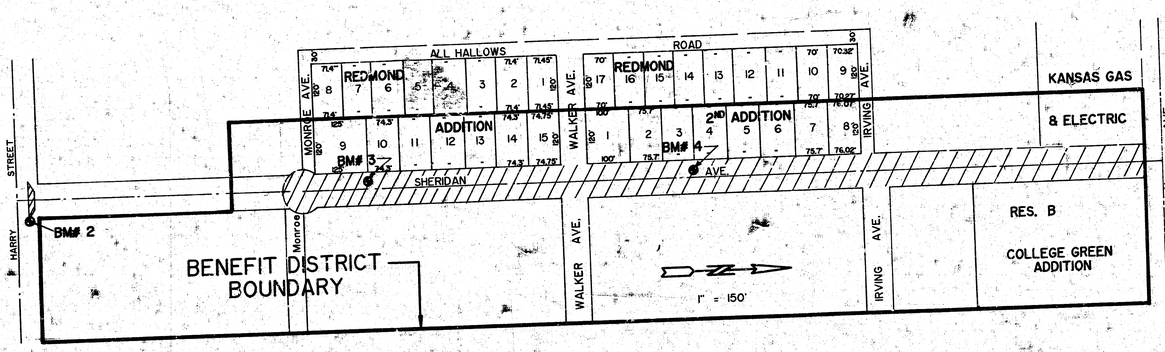
[FROM THE SOUTH LINE OF McCORMICK TO AND INCLUDING CUL-DE-SAC]

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 1A INLET DETAIL SHEET
SHEET	4-7	PLAN SHEETS
SHEET	8-15	CROSS-SECTION SHEETS



LOCATION MAP

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

BENCH MARKS :

BM# 1 - "a" Cut in west corner hdwl. in the NE^{c} of the intersection of Sheridan & McCormick Streets
ELEV.- 114.84

BM# 2 -"a" Cut in East curb return in the NE^{c} of Harry & Sheridan Streets
ELEV. - 110.37

BM# 3 - Spk. Step in Power Pole 24' Lt. of Sta. 37+02
ELEV. - 112.90

BM# 4 - Spk. Step in Power Pole 25' Lt. of Sta. 57+32
ELEV. - 113.23

GENERAL NOTES:

1. Utility service lines, poles, valve boxes, meters and etcetera 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 it's 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.

2. 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.

3. 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.

4. The City of Wichita's Sewer Maintenance Division of the Department of Water and Water 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 retelevise 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.

5. INLET HOOKUPS AND INLET ADJUSTMENTS SHALL BE PAID FOR PER EACH REGARDLESS OF THE SIZE OF INLET.

6. 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.

7. 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 permissable slopes to match the existing ground surface.

8. All entrance and cross road pipe within the project limits shall be removed by the Contractor unless otherwise noted on the plans. Removal of such pipes shall conform to the applicable section of the Standard Specifications.

9. 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.

10. The Contractor shall be responsible for preserving property irons. The Contractor will 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.

11. The Contractor shall adjust water valve boxes and fire hydrants as directed by the Engineer. ~~at the point in his pre-con's adjustments~~. 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.

12. 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.

BARBAR M. KHAN LICENSED 9320 KANSAS PROFESSIONAL ENGINEER

5.90

MUNICIPAL ENGINEERS
Civil Engineers & Land Surveyors
804 Lewis, Suite 201
Wichita, Kansas 67211

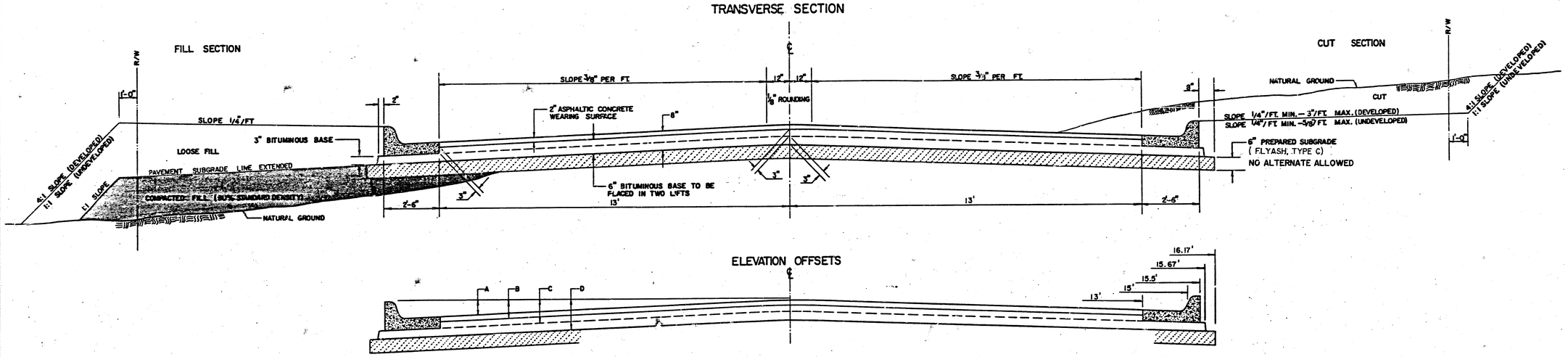
TITLE SHEET

SCALE: AS SHOWN	APPROVED BY: B.K.	DRAWN BY M.W.
DATE: 2-89		REVISED
		DRAWING NUMBER 1 OF 15

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TYPICAL 31' PAVEMENT DETAILS

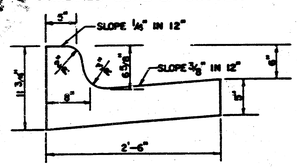
TRANSVERSE SECTION



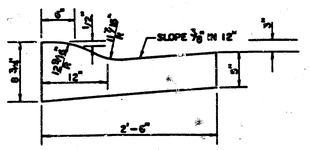
ELEVATION OFFSETS

	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



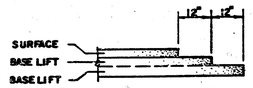
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" 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.

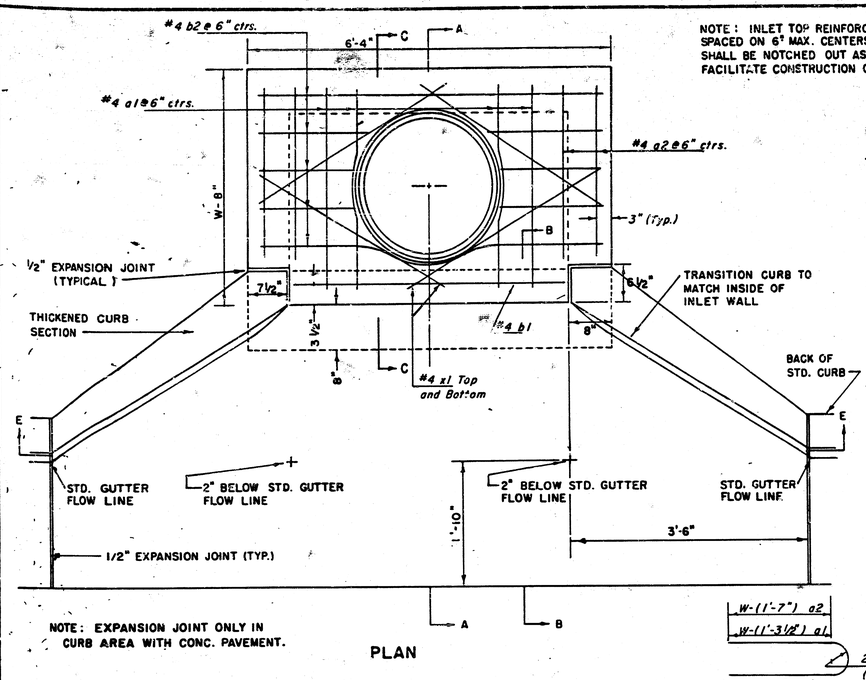
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT 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" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

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

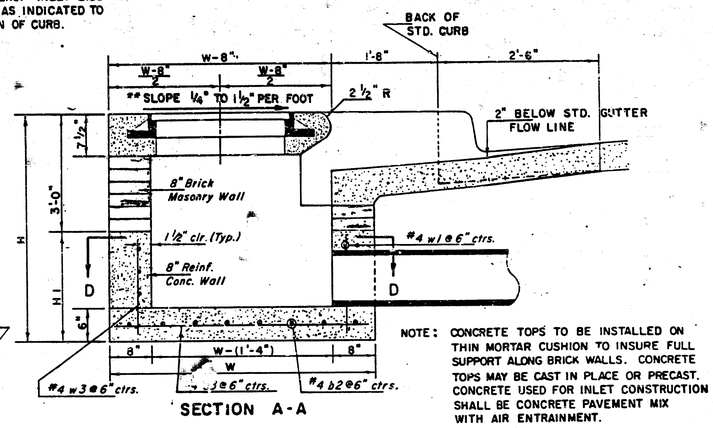
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NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

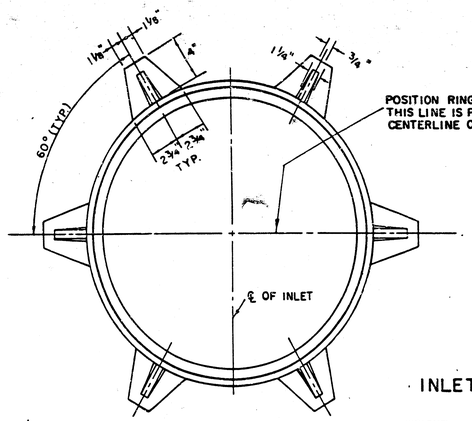
PLAN

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



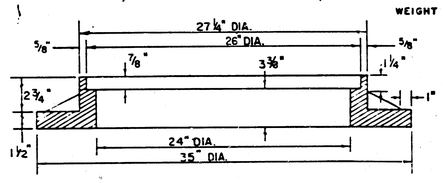
SECTION A-A

NOTE: 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.

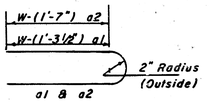


INLET FRAME

WEIGHT = 180 LBS.



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



BENDING DIAGRAM

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.

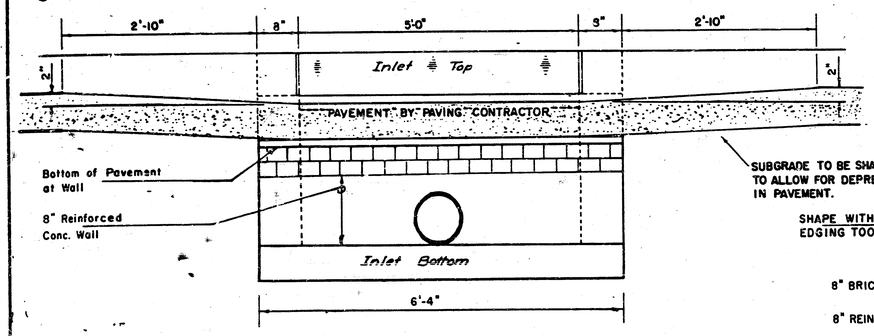
PRECAST SLAB AND FLOOR REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	8	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	6	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	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"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"
WALL REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
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.

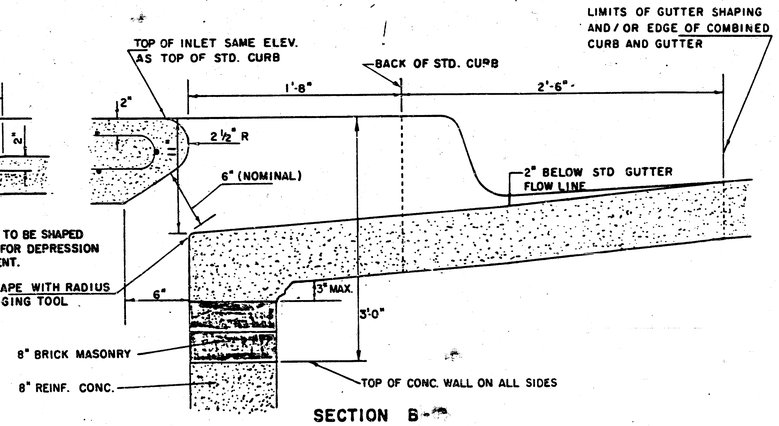
① 4(H1-12"); (H1-12") Round down to nearest 0.5'

② H1-3"

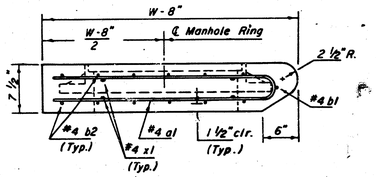
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'6"x 6'4" x7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'6"x 6'4" x7 1/2"	24" & 30"	0.51 ±
6' 4"	5'6"x 6'4" x7 1/2"	36" & 42"	0.64 ±
7' 4"	6'6"x 6'4" x7 1/2"	48" & 54"	0.77 ±
8' 4"	7'6"x 6'4" x7 1/2"	60" & 66"	0.90 ±



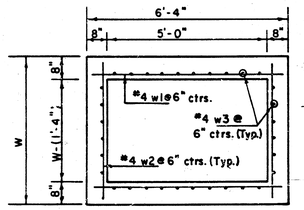
SECTION E-E



SECTION B-B



SECTION C-C



SECTION D-D

~~REVISED 11-30-1988~~

~~REVISED 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

3/15

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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

ADJUSTMENT OF WATER VALVES, WATER METERS AND MANHOLES

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	39+13	22' LT	111.50	111.25
WM	39+58	22' LT	111.83	111.40
WV	40+21	21' LT	111.67	111.46
WV	41+52	22' LT	111.40	111.35
WV	55+50	21' LT	110.44	110.33
WV	61+69	23' LT	110.60	110.54
MH	37+62	@ C.L.	111.22	110.64
MH	59+71	@ C.L.	110.74	109.98
MH	64+12	@ C.L.	111.23	111.20
MH	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

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.

+ 0.32 %

- 0.32 %

+ 0.32 %

REDMOND

MONROE AVE.

+43.92

+73.92

R=20'(c)
Δ=50° 29' 05"
L=17.62

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

ADDITION

Concrete Drive to be removed

Construct Std. Combined Curb & Gutter (6 5/8" & 1 1/2")

40' R/W

ARKLA GAS

WATER

8"-SANITARY SEWER

8" - Sanitary Sewer

SHERIDAN AVE.

50' R/W

Proposed 21"-STORM SEWER PIPE

Proposed 6'x4' RCB

Proposed 5'x4' RCB

Asphalt Ent.

Conc. Ent.

Sand Ent.

35' R/W

STA. 35+06.2, 20.7' RT.
Proposed Manhole
Top Elv. 110.60

SISTERS OF THE BLOOD M.P.

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

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

STA. 34+84.85

MONROE AVE.

STA. 35+44.85

+79.63

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.

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

+ 0.3726 %

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

SCALE : 1"=20'

HARRY ST.

CONSTRUCT NON-STD. CURB & GUTTER
(Curb shape to match shape of exising curb on Harry Street)

SAW CUT

Sta. 28+83.92

Sta. 29+13.92

℄ SHERIDAN AVE.

#4 REBARS(2'-LONG) @ 2'-6" CNTRS

REMOVE EXISTING CONCRETE APPROACH

Scale : 1"=20'

NOTE: Storm sewer shown as proposed storm sewer will be constructed through city of wichita project #: 468-76-245-81777-000-000-001 Prior to construction of these paving improvements.

EARTHWORK QUANTITIES

	EXCAVATION	LOOSE FILL	COMPACTED FILL
	3,400 C.Y.	453 C.Y.	0
+ 10%	340 C.Y.	45 C.Y.	
TOTAL	3,740 C.Y.	498 C.Y.	0

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

PLAN SHEET
SHERIDAN AVENUE

SCALE: 1"=20'	APPROVED BY: B.K.	DRAWN BY M.W.
DATE: 2-88		REVISED

472-76-245-81862-000-000-001

DRAWING NUMBER 4 OF 15

24 X 36 PRINTED ON NO. 1000R CLEARPRINT 4

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STA. 41+00
P.V.I. EL.= 111.58 (T.C.)
NO V.C.

STA. 57+00
P.V.I. EL.= 109.60 (T.C.)
NO V.C.

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

+0.32 %

-0.7307 %

+0.38 %

STA. 41+44.63

STA. 42+04.62

WALKER AVE.

REDMOND

REDMOND

14

15

ADDITION

1

2

2ND

3

4

5

ADDITION

Sta. 42+04.98 = Sta. 55+34.02

STA 56+98.8
CONSTRUCT TYPE IA HOOKUP
TOP EL.= 109.59

STA 57+14.39
CONSTRUCT TYPE IA HOOKUP
TOP EL.= 109.65

40' R/W

35' R/W

Gravel Parking

Construct Std. Combined Curb & Gutter (6 5/8" & 1 1/2")

2" Natl. Gas

8" Water

8" - Sanitary Sewer

Proposed 5'x 4' RCB

Proposed 48" RCP

Asphalt Ext

B-B

31'

15.5'

SHERIDAN AVE.

40

41

56

57

58

59

CONSTRUCT 8" ASPHALTIC CONCRETE (2" BITUMINOUS BASE COURSE

STA 57+01.51
CONSTRUCT TYPE IA HOOKUP
TOP EL.= 109.61

108 106 104 102 100 98 96 94 92 90 88 86 84 82 80 78 76 74 72 70

SISTERS OF THE M.P. BLOCD

+0.32 %

-0.7307 %

+0.38 %

STA. 41+00
P.V.I. EL.= 111.58 (T.C.)
NO V.C.

STA. 57+00
P.V.I. EL.= 109.60 (T.C.)
NO V.C.

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

SCALE : 1"=20'

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

PLAN SHEET
SHERIDAN AVENUE

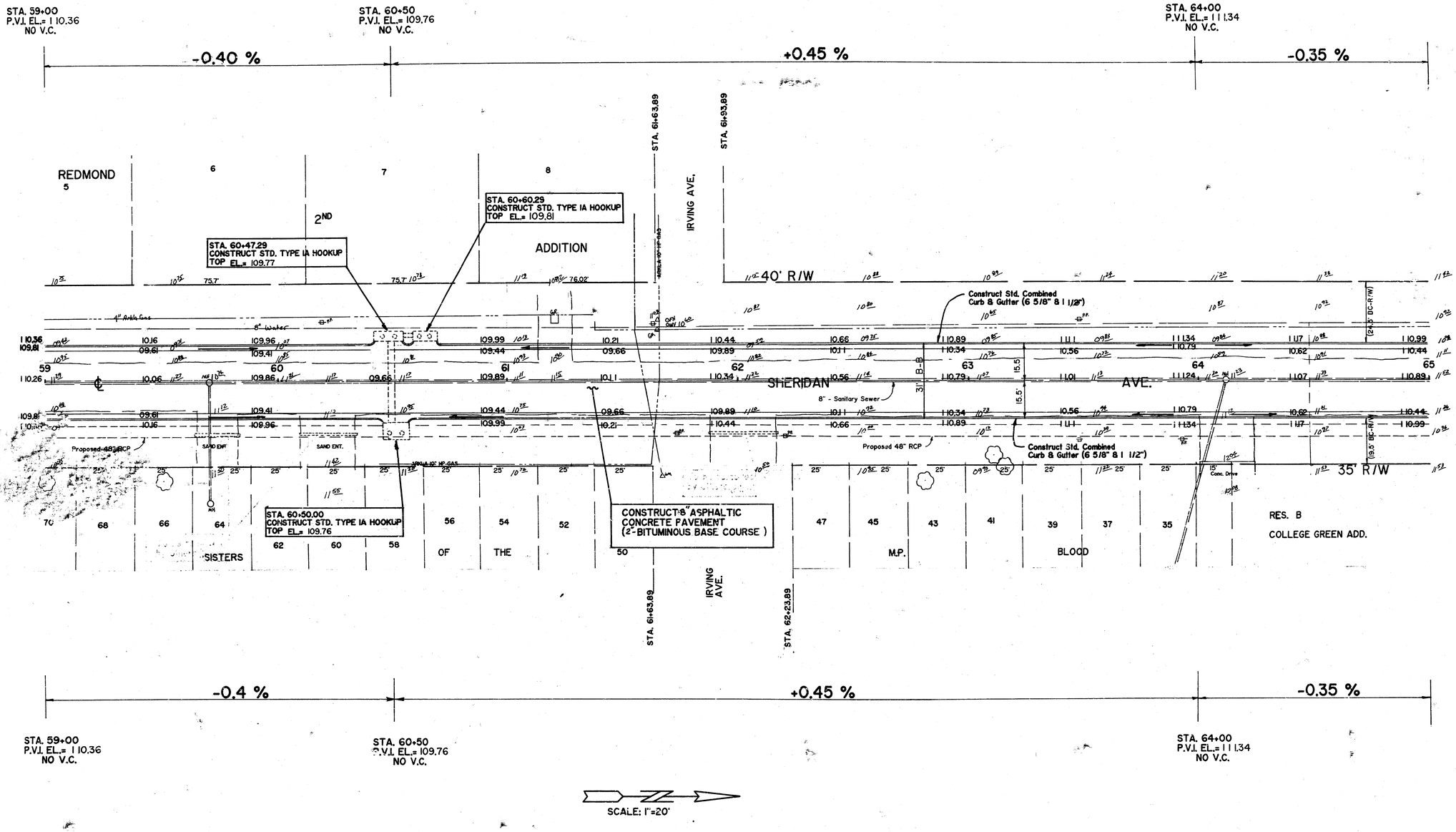
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DATE: 2-88		REVISED

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DRAWING NUMBER 5 OF 15

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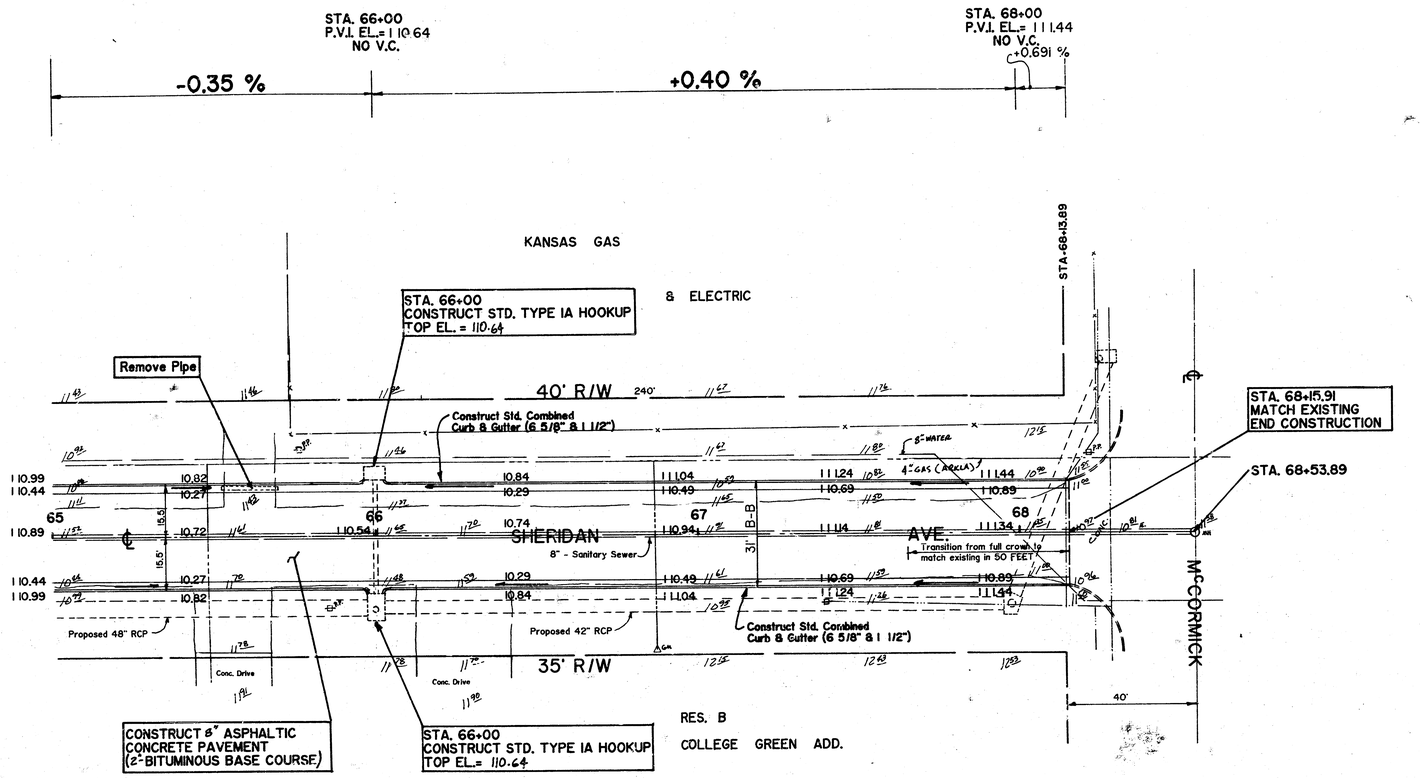


PLAN SHEET
SHERIDAN AVENUE

SCALE: 1"=20'	APPROVED BY: B.K.	DRAWN BY M.W.
DATE: 2-89		REVISED
472-76-245-81862-000-000-001		DRAWING NUMBER 6 OF 15

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

24 X 36 PRINTED ON NO. 1000H CLEARPRINT ®



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

1. CONC. NAIL & BOTTLE CAP IN P.P.	41.40' SW
2. 40d NAIL & WASHER IN P.P.	40.10' NW
3. 80d SPK(BENT) IN P.P.	39.40' NE

PLAN SHEET
SHERIDAN AVENUE

SCALE: 1"=20'	APPROVED BY: B.K.	DRAWN BY M.W.
DATE: 2-89		REVISED

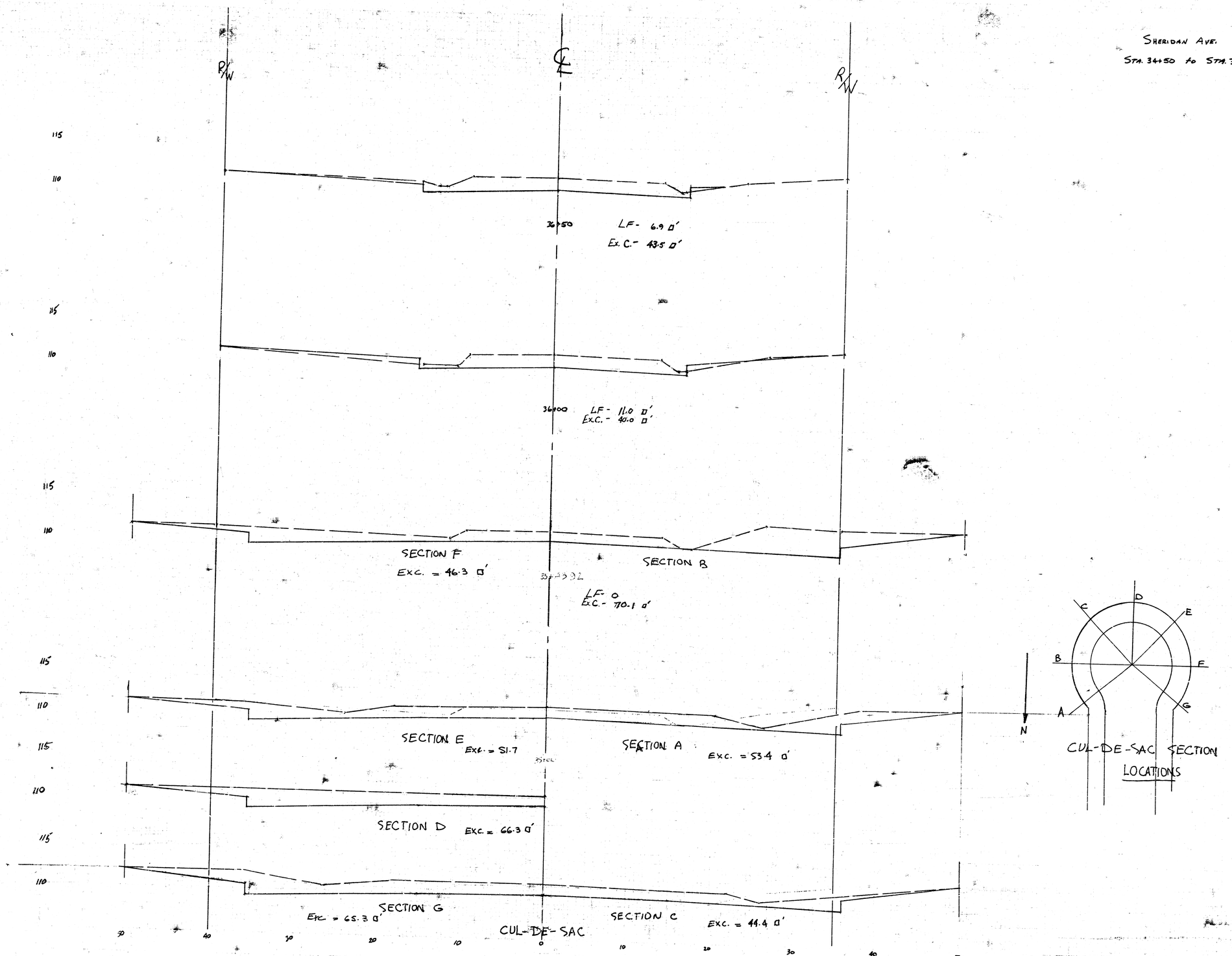
MUNICIPAL ENGINEERS
Civil Engineers & Land Surveyors
154 Laura, Suite 201
Wichita, Kansas 67211

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DRAWING NUMBER 7 OF 15

24 X 36 PRINTED ON NO. 1000H CLEARPRINT 4

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

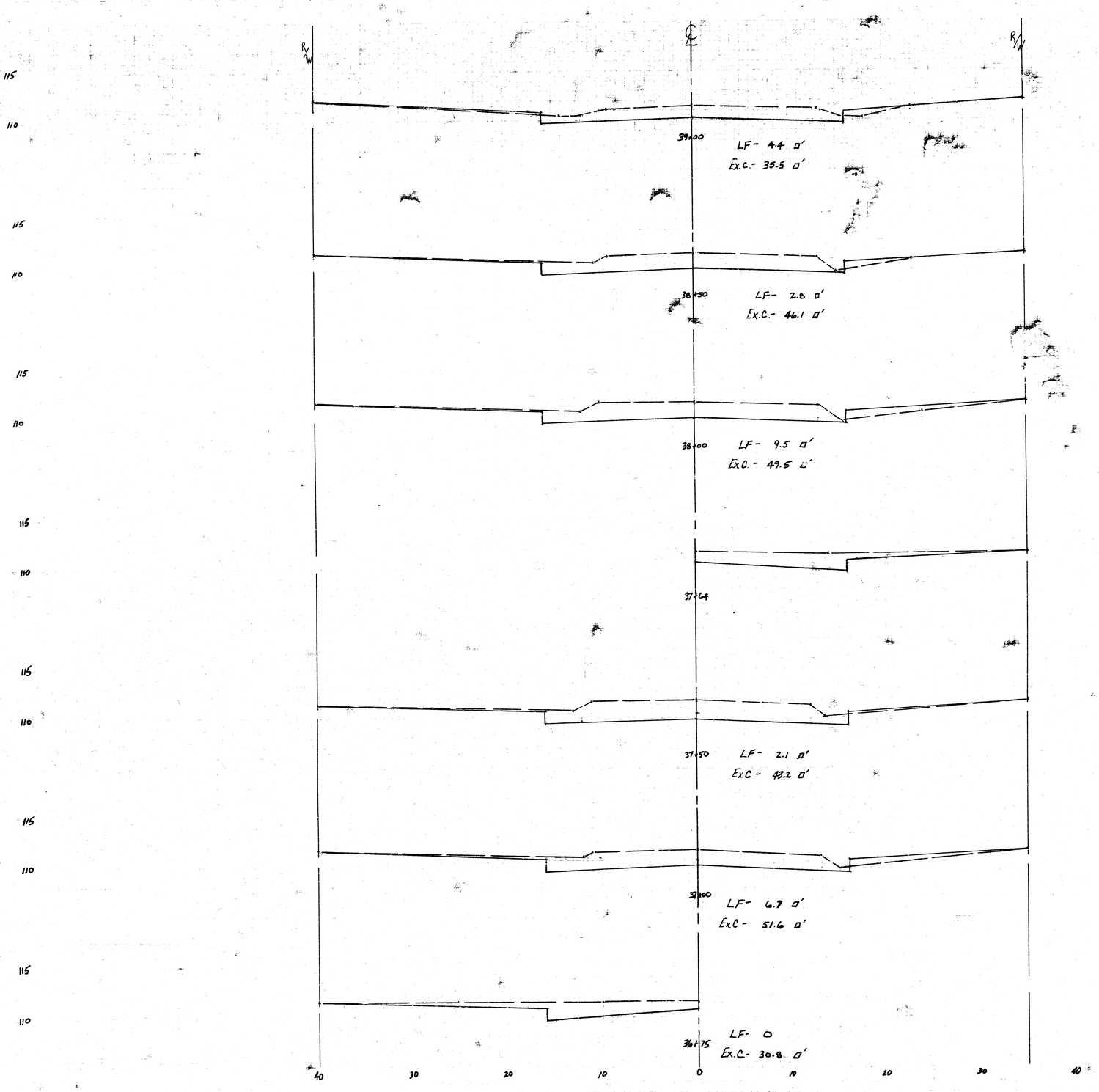


CUL-DE-SAC SECTION LOCATIONS

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

SHERIDAN AVE. (9/15)

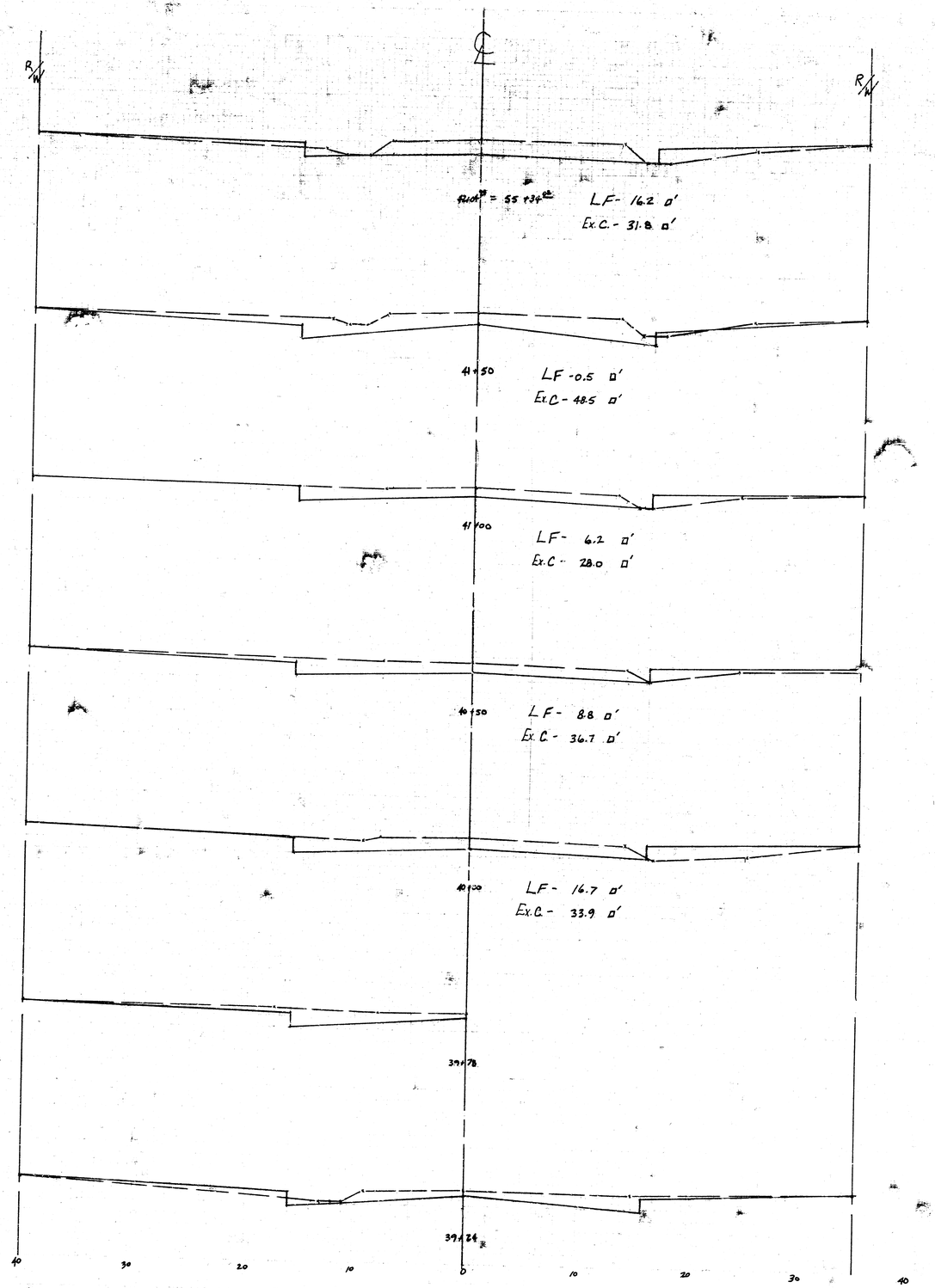
36+75 to 39+00



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SHERIDAN AVE. (10/15)
39+24 to 42+04.28

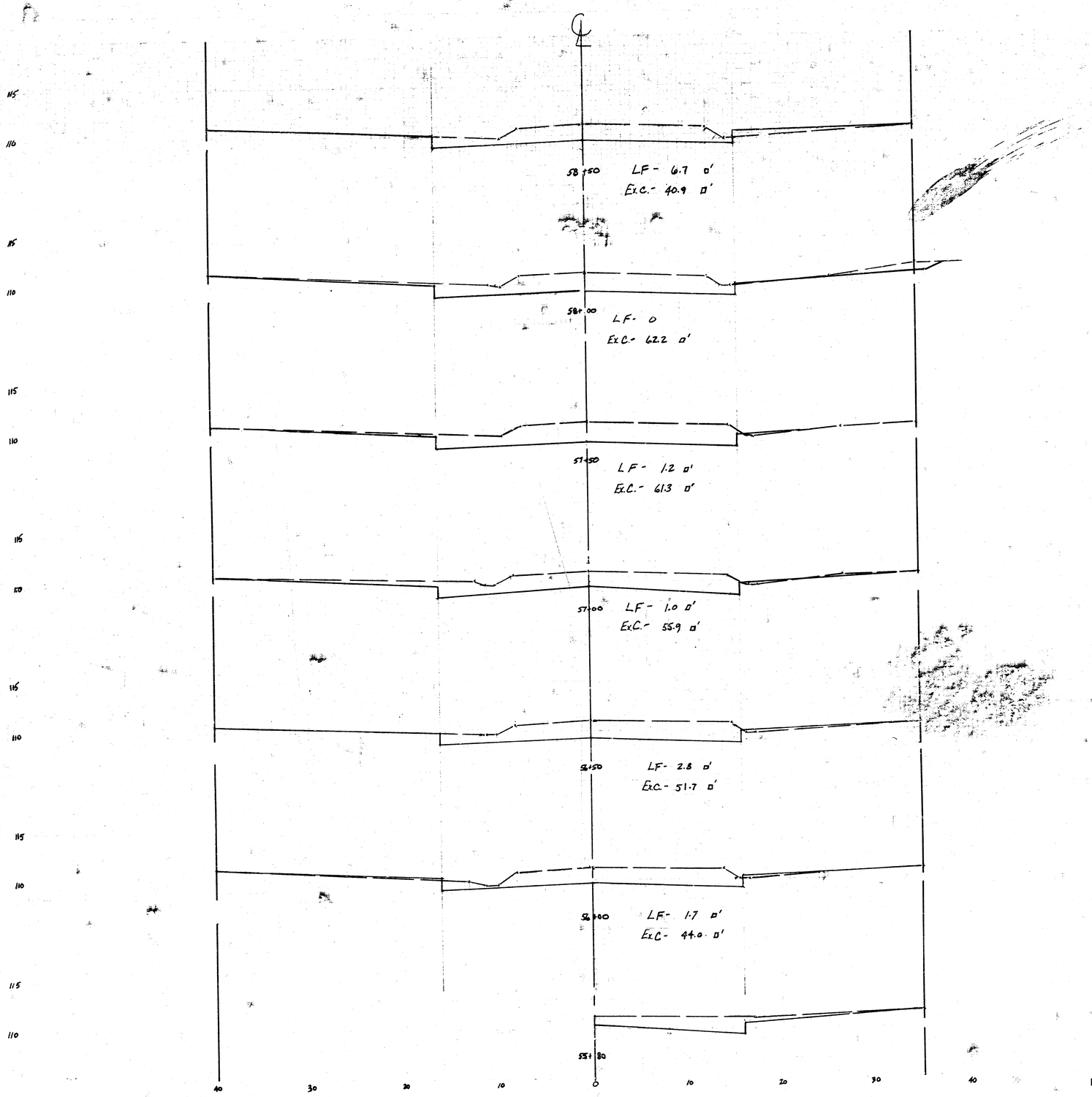


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SHERIDAN AVE. (11/15)

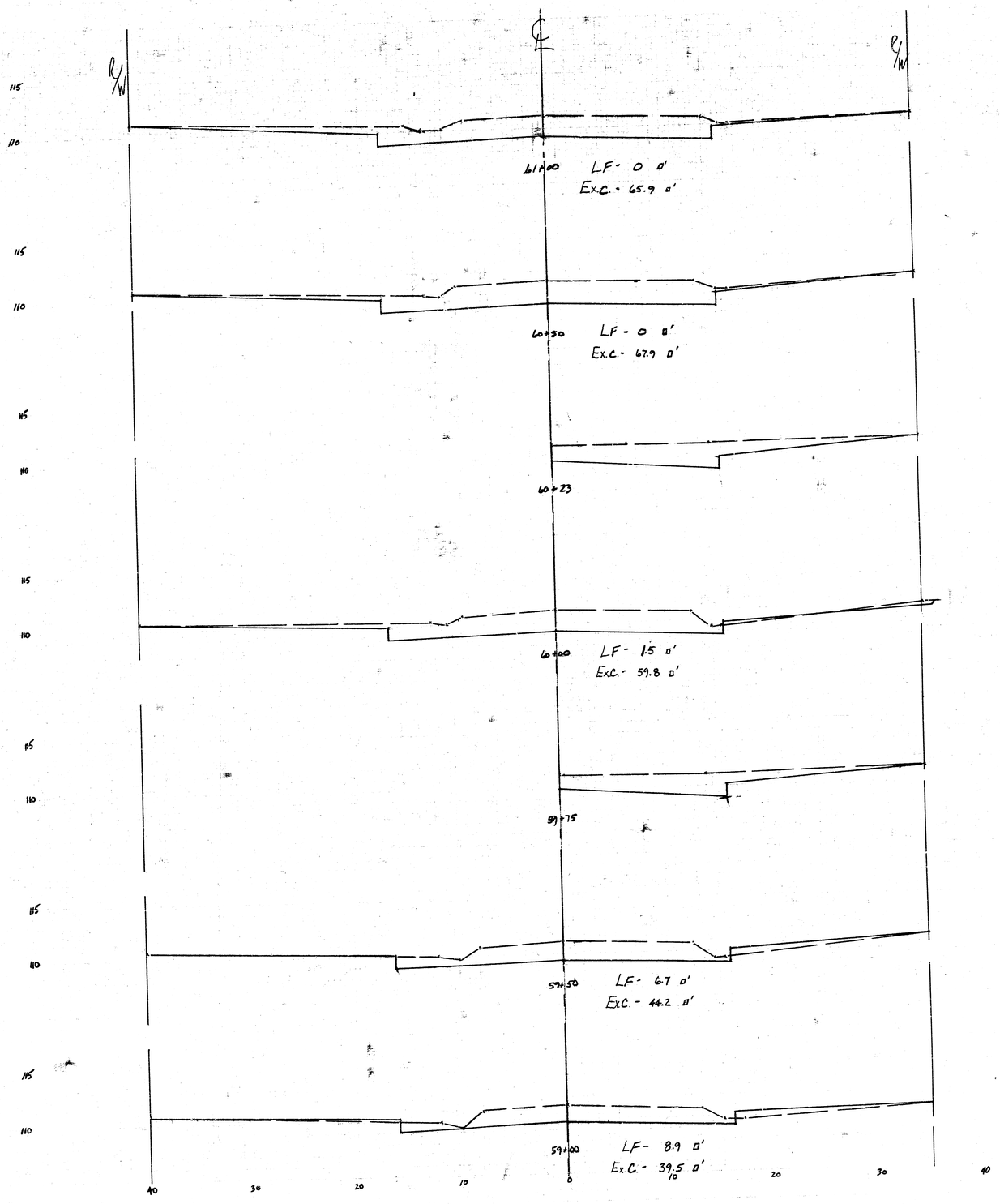
55+80 to 58+50



PROJECT #: 472-76-245-81862-000-000-00.1

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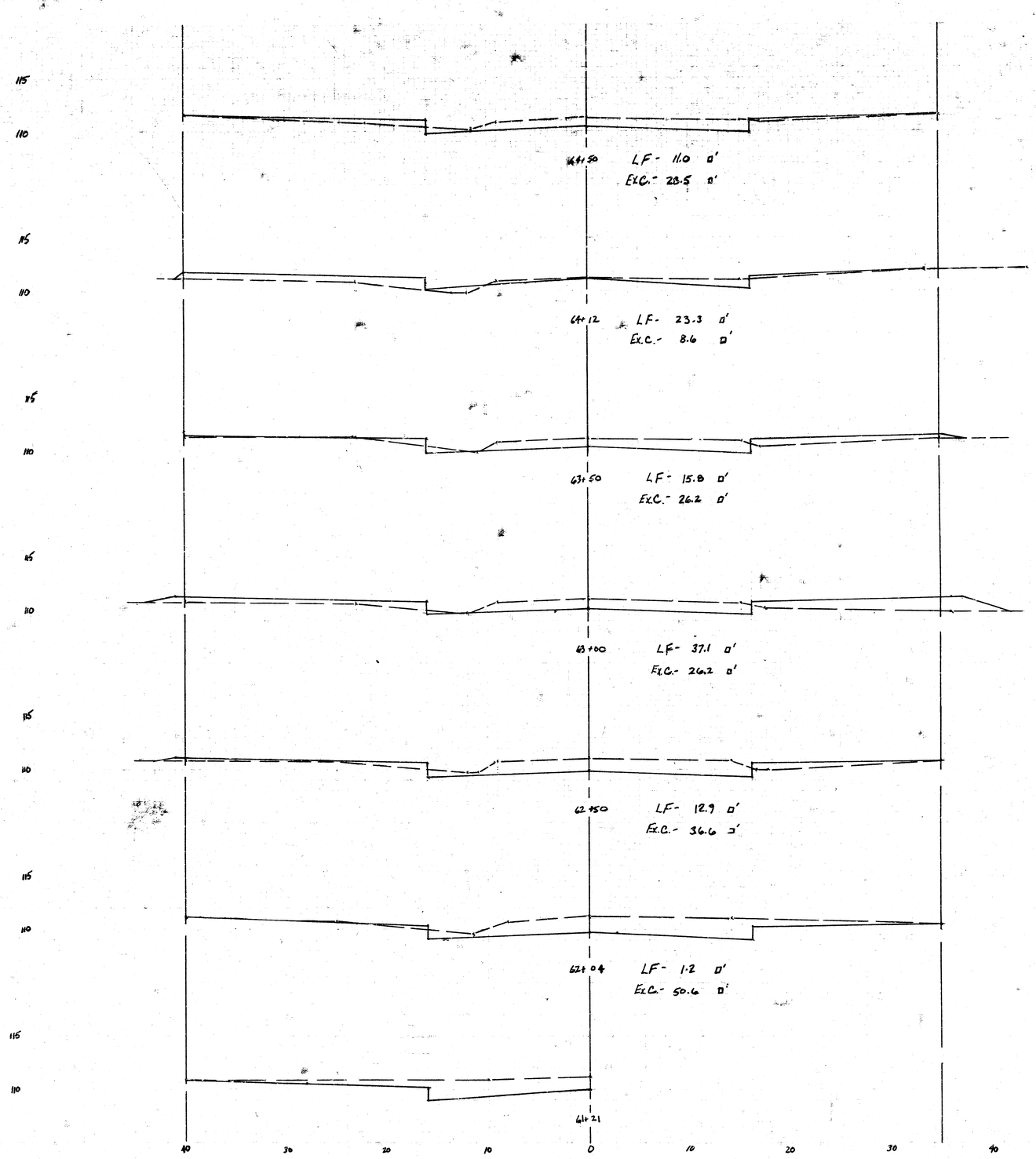
SHERIDAN AVE. (12/15)
59+00 to 61+00



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

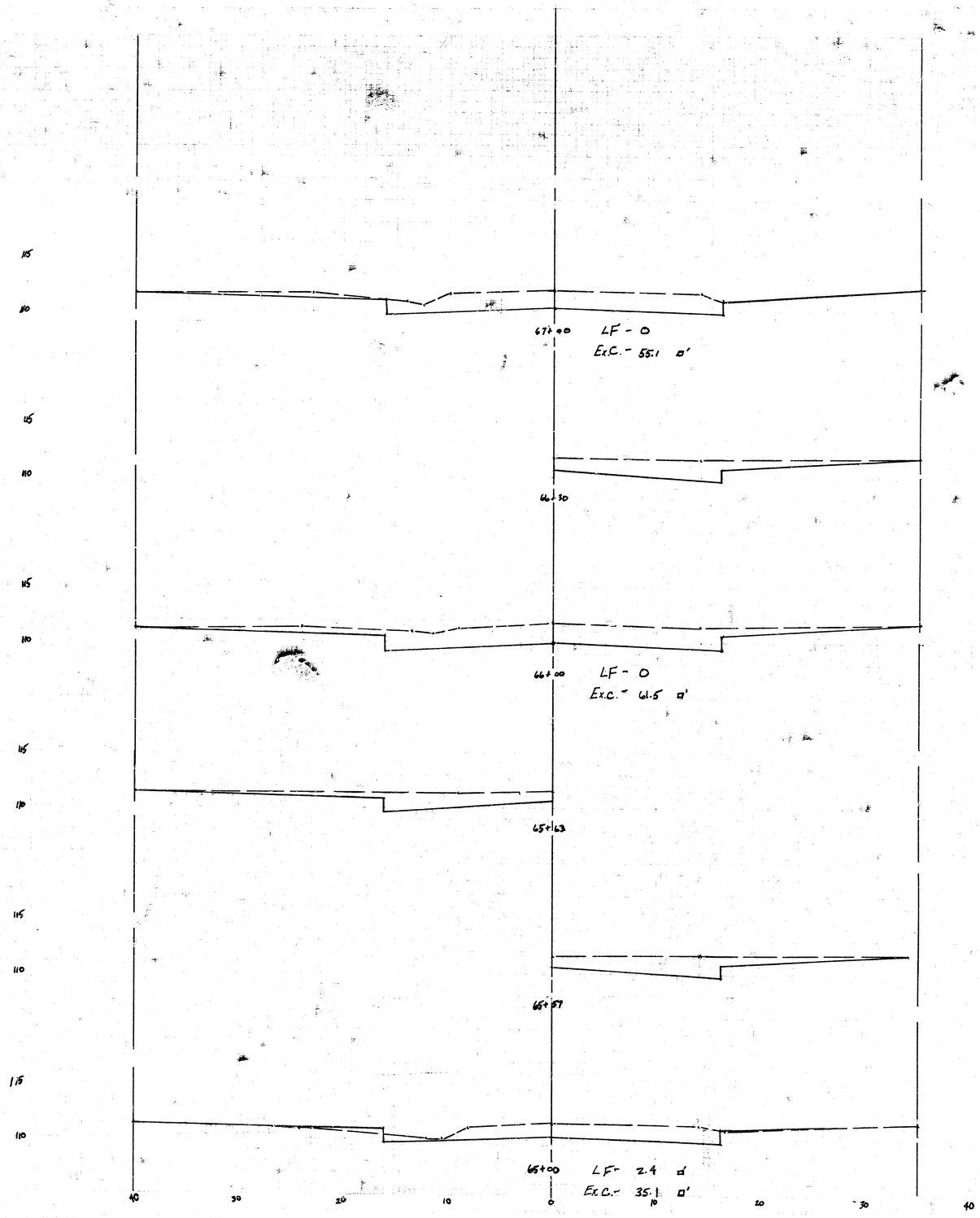


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SHERIDAN AVE. (14/15)

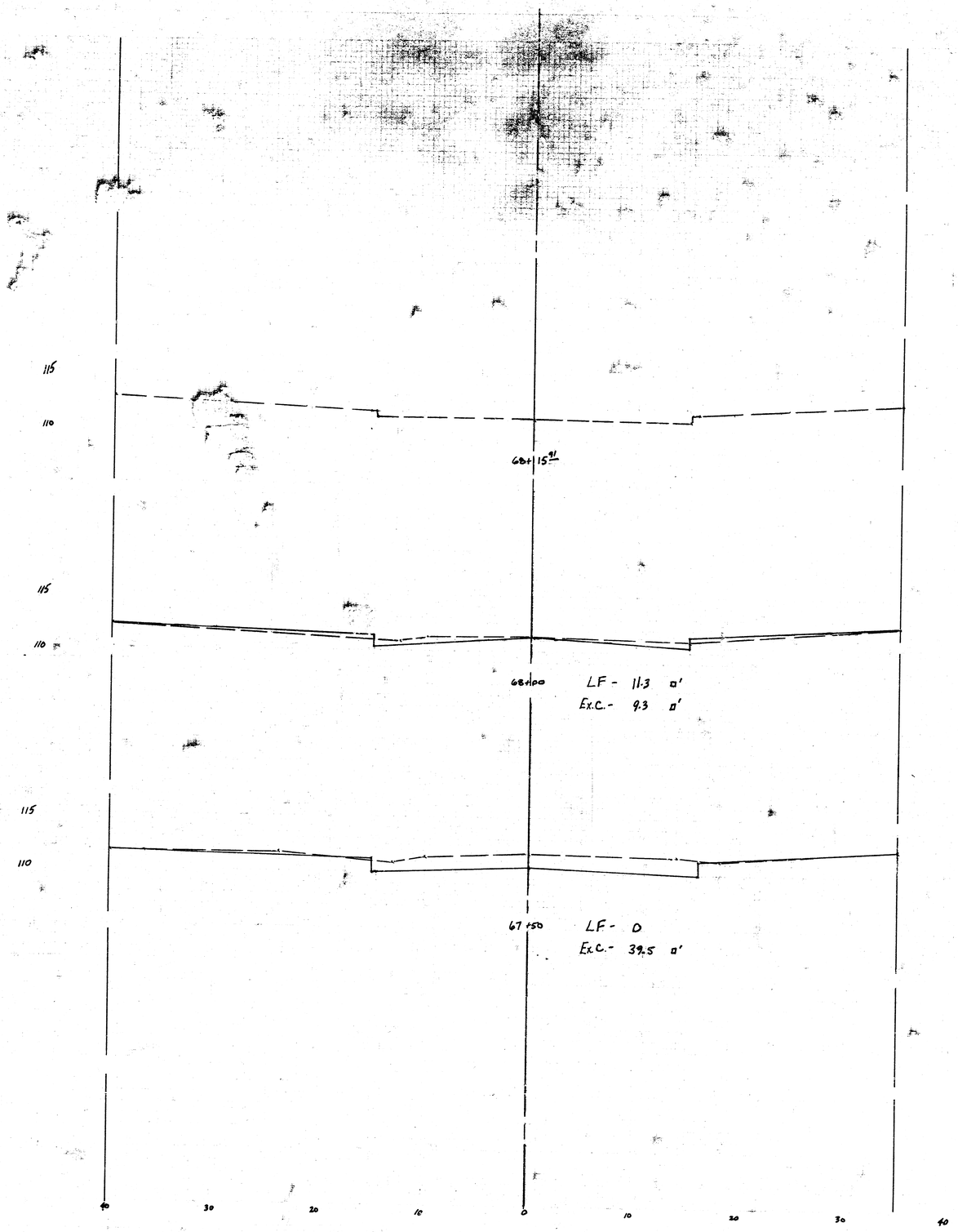
65+00 to 67+00



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SHERIDAN AVE. (15/15)
67+50 to 68+15 ℓ



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