

PAVING PLANS FOR

SHANNON WOODS AT TALLGRASS

SHANNON WOODS : FROM THE CENTERLINE OF SHANNON WOODS COURT TO THE NORTH LINE OF LOT 1, BLOCK 1, LAKEPOINT FROM THE CENTERLINE OF SHANNON WOODS CIRCLE TO THE EAST LINE OF LOT 6, BLOCK 1 AND PLUMTHICKET FROM THE NORTH LINE OF LOT 6, BLOCK 1 TO THE NORTH LINE OF LOT 1, BLOCK 1.

SHANNON WOODS CIRCLE : FROM THE WEST LINE OF SHANNON WOODS TO AND INCLUDING THE CUL-DE-SAC.

SHANNON WOODS : FROM THE WEST LINE OF WEBB ROAD TO THE EAST LINE OF PLUMTHICKET.

PROJECT NO.
472-76-245-81594-000-000-001

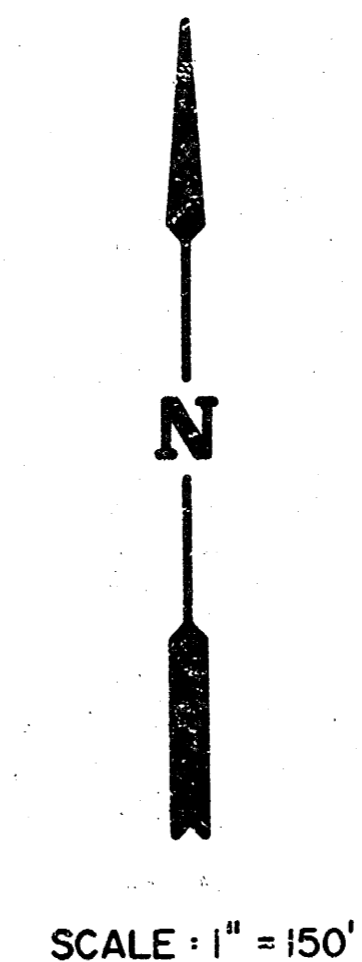
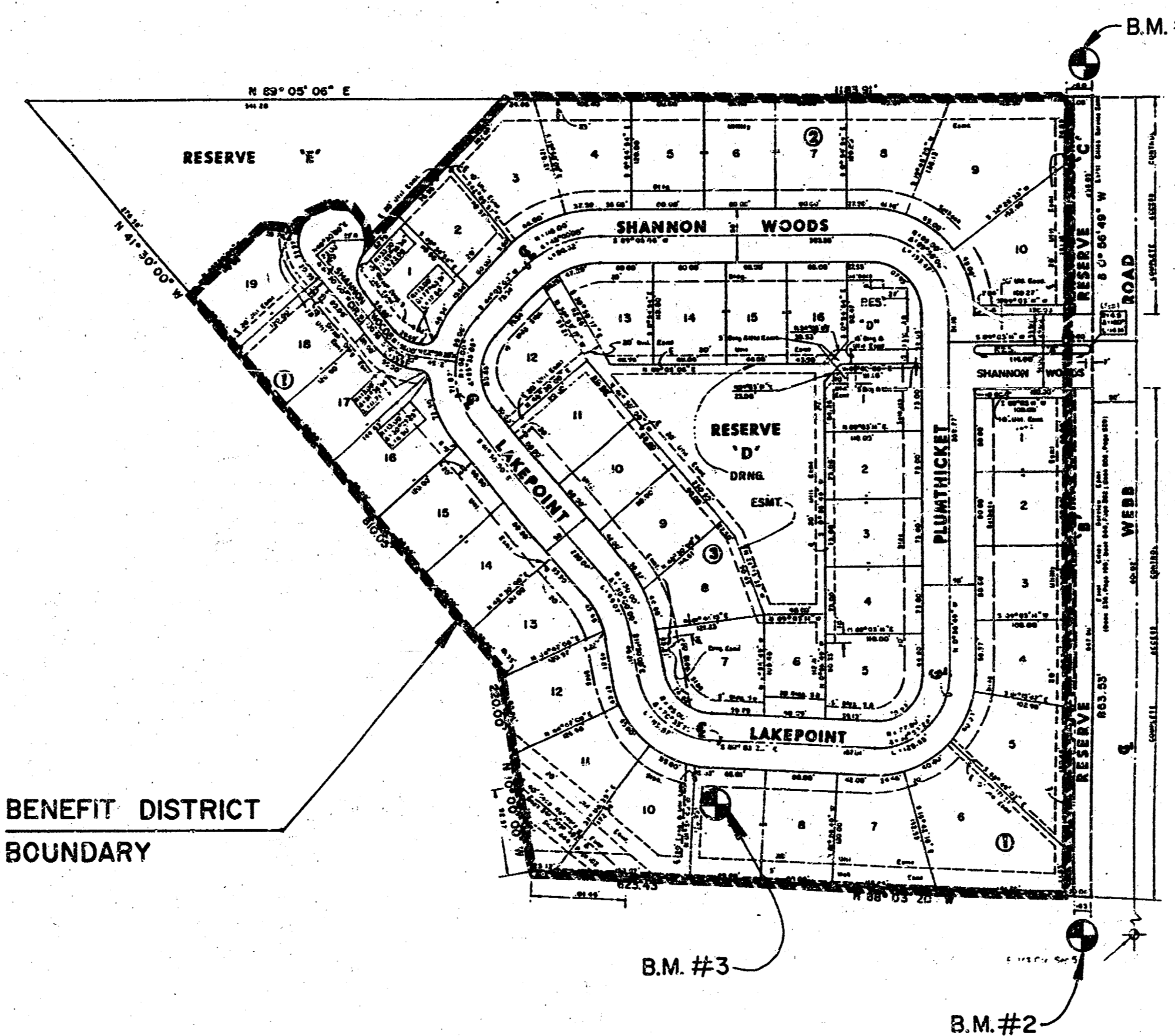
CITY OF WICHITA, KANSAS
 MICHAEL E. LINDEBAK, CITY ENGINEER
 JULY 1989
 INDEX NO. 760116

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 IN ACCORDANCE WITH STATE LAWS.
- TRANSITION CURB FROM FULL HEIGHT COMBINATION CURB AND GUTTER TO ROLL TYPE COMBINATION CURB AND GUTTER IS TO BE PAID AS BID FOR LINEAL FEET COMBINED CURB AND GUTTER (3 5/8" ROLL).
- ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
 KANSAS ONE-CALL 1-800-344-7233
 THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:
 ARKLA GAS COMPANY 942-8350 or 263-8161
 BELL TELEPHONE 1-316-571-2611
 CABLEVISION 262-4270 or 262-2061
 GAS SERVICE COMPANY 263-7511
 KANSAS GAS & ELECTRIC 264-1141
 CITY OF WICHITA WATER DEPARTMENT 268-4908
 CITY OF WICHITA SEWER MAINTENANCE 268-4071
 WILLIAMS NATURAL GAS CO. 529-0454 or 924-3501
- 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.
- THIS PROJECT INCLUDES A CERTAIN AMOUNT OF ROLL TYPE CURB CONSTRUCTION. ROLL CURBS SHALL BE DEPRESSED THROUGH ALL DRIVEWAY OPENINGS WHEN SUCH DRIVES ARE CONSTRUCTED AS A PART OF THE PROJECT. NO MORE THAN 2 DRIVES 20 FEET IN WIDTH OR EQUIVALENT COMBINATIONS THEREOF, ARE TO BE CONSTRUCTED WITH THIS PROJECT.
- 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.
- SEVERAL TREES HAVE BEEN REMOVED. CONTRACTOR SHOULD VERIFY REMAINING TREES BEFORE PREPARING HIS BID.

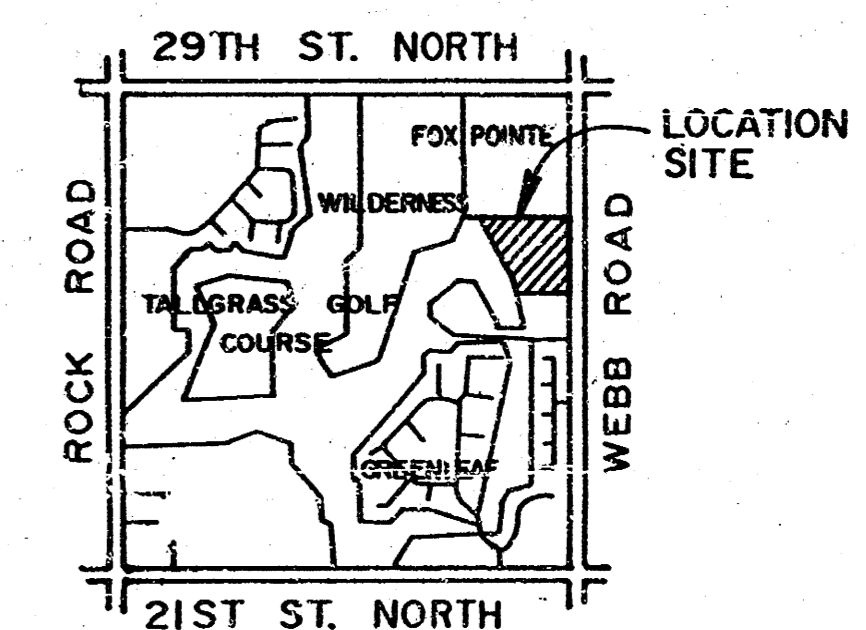
BENCH MARKS

- B.M. #1: Top of "U" Post 4.5' W & 2' N of the NE cor. of Res. "C" Shannon Woods at Tallgrass ELEV. = 222.20'
- B.M. #2: RR spike in W. face Hedge tree 185' N of CL Entrance to Wood-springs and 30' W CL Webb ELEV. = 225.20'
- B.M. #3: T-post 3' S of P.C. on Lot 5, Blk. 1, Shannon Woods at Tallgrass ELEV. = 216.41'

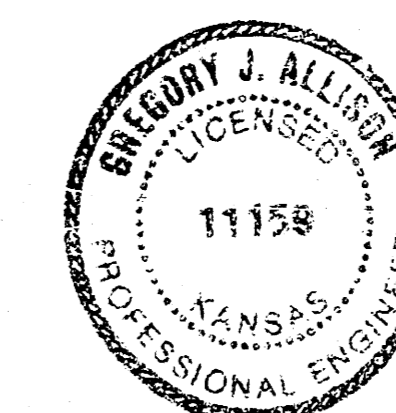


INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	PAVING DETAILS
5	SHANNON WOODS
6	SHANNON WOODS/PLUMTHICKET
7	LAKEPOINT
8	LAKEPOINT
9	SHANNON WOODS (ENTRANCE)
10	SHANNON WOODS CIRCLE
11-22	CROSS SECTIONS
23	FINAL PLAT



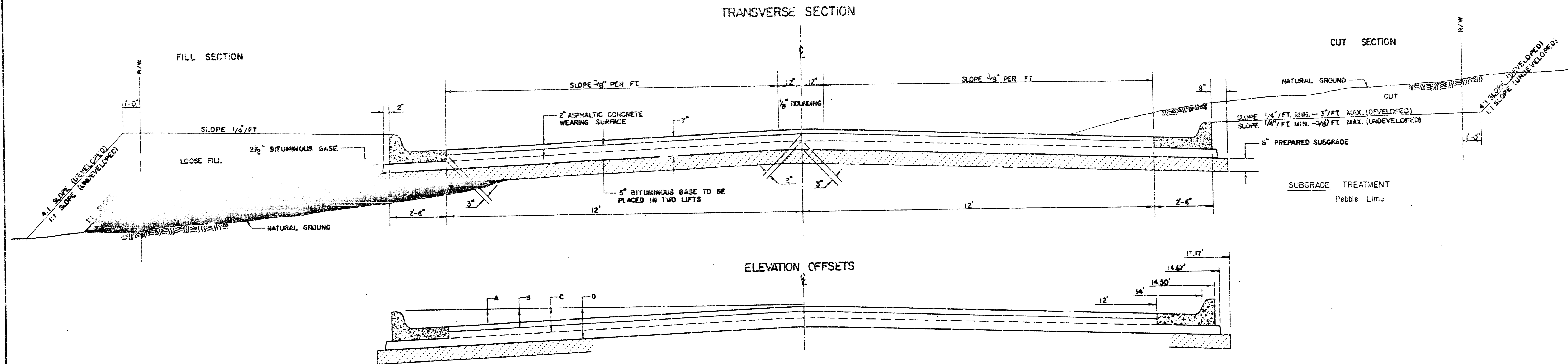
LOCATION MAP



	SHANNON WOODS AT TALLGRASS	Design: GJA Drawn by: KSM Checked by: DSS
	PAVING PLANS	Date: AUG. 1989 Job no.
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		Sheet 1 of 23

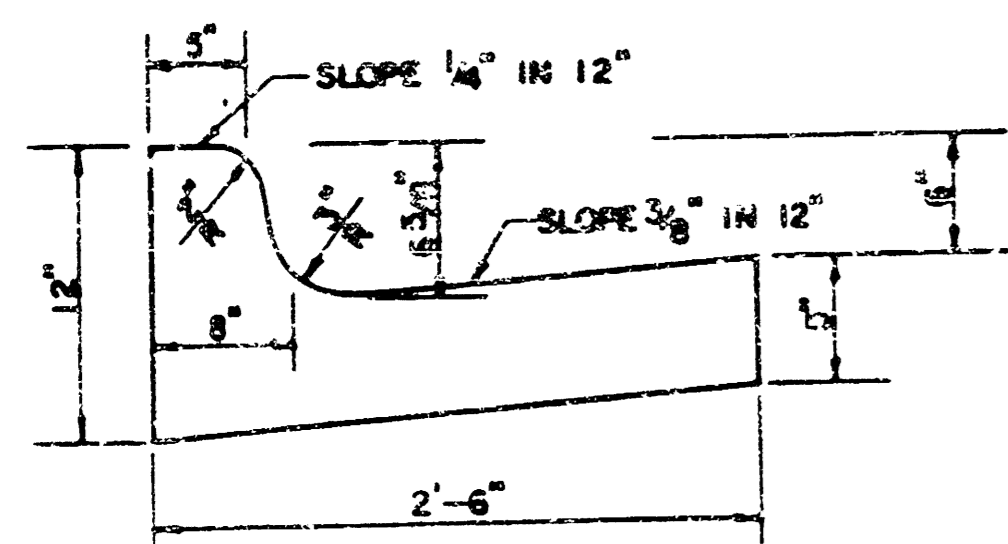
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TYPICAL 29' PAVEMENT DETAILS

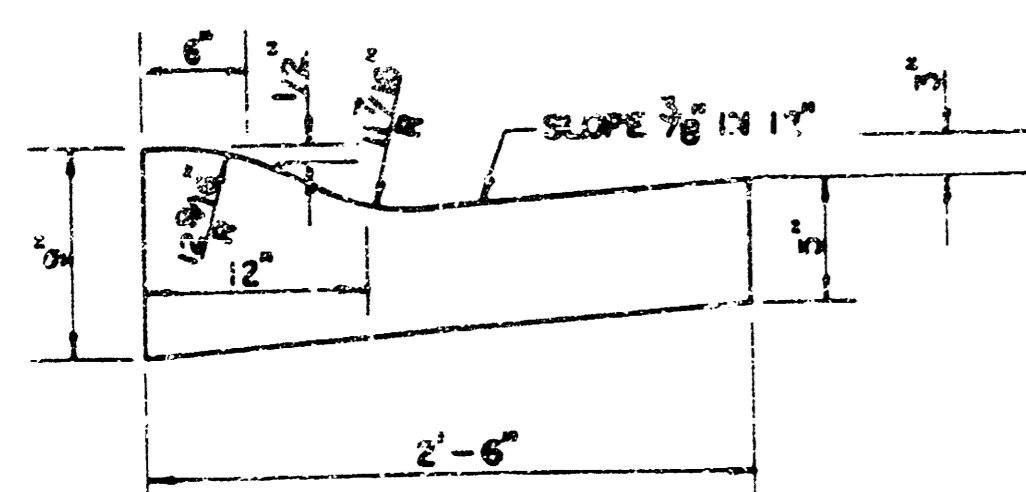


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—	
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.38	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—	
C: TOP OF CURBS TO TOP 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	

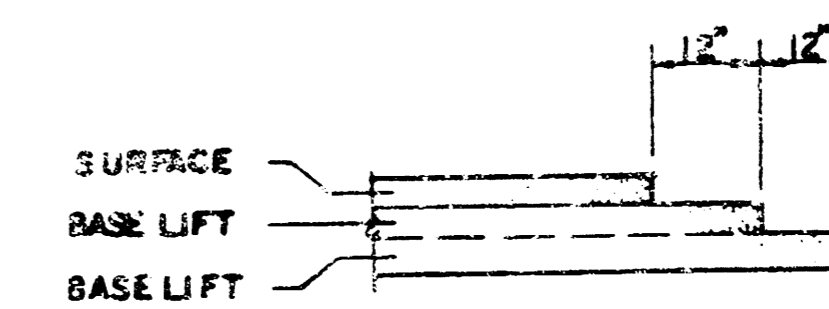
COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



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).

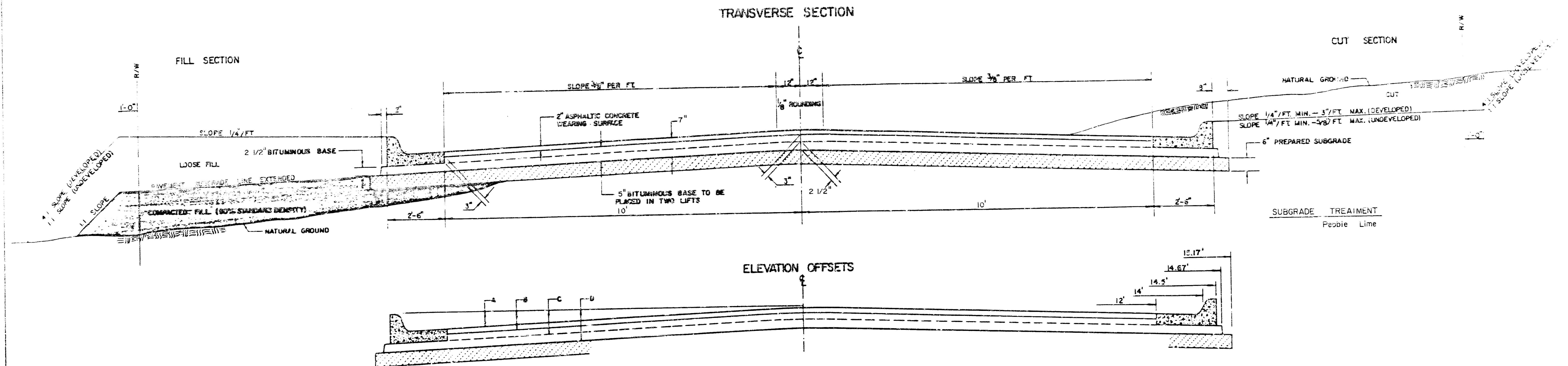
GENERAL NOTES

- 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 (CC-1H OR CS-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.

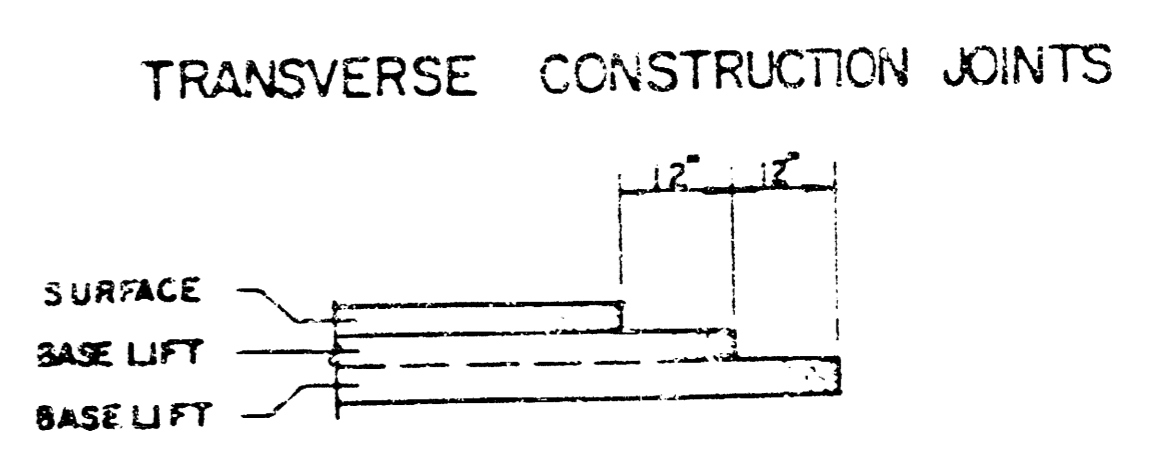
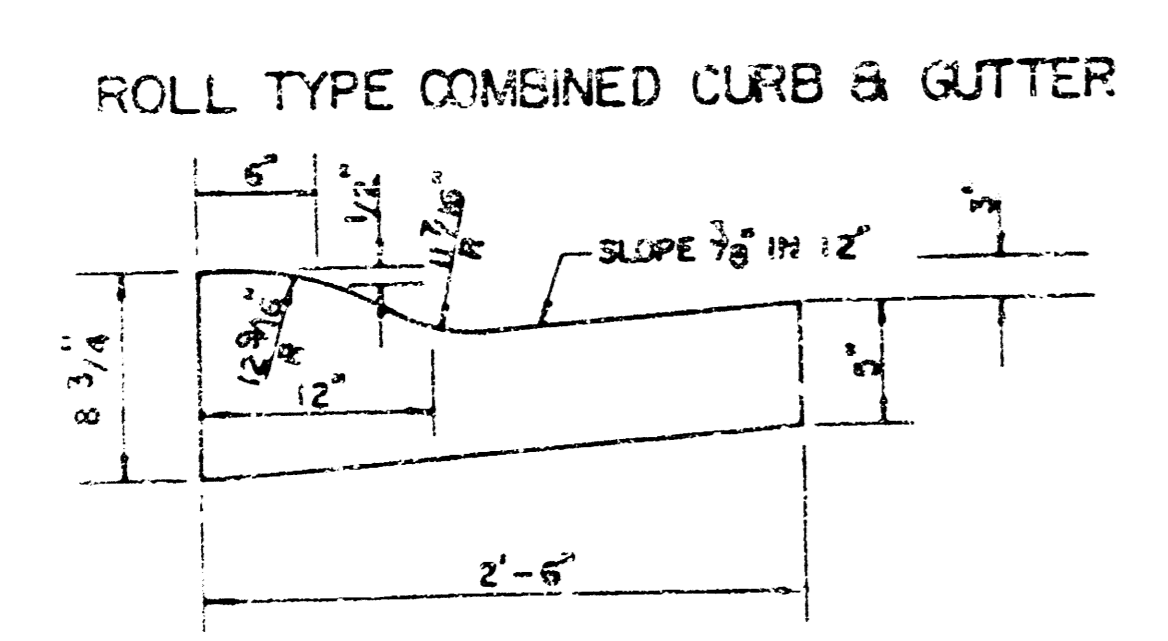
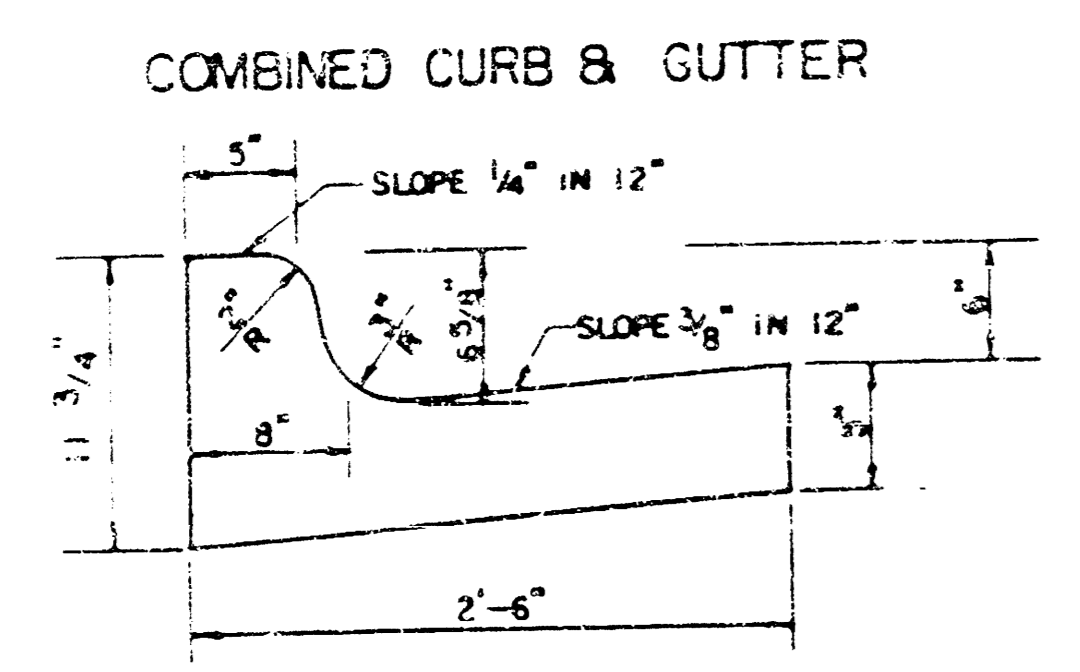
2
23
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81594-000-000-001

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TYPICAL 25' PAVEMENT DETAILS



	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	7'	8'	10'	12'	12.50'	12.67'	13.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.20	.24	.30	.37	.40	.43	.49	---	---	---	---
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.37	.41	.47	.54	.57	.60	.66	---	---	---	---
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.62	.66	.72	.79	.82	.85	.91	.97	.99	1.00	---
D: TOP OF CURBS TO TOP OF SUBGRADE	.83	.87	.93	1.00	1.03	1.06	1.12	1.18	1.20	1.21	1.22

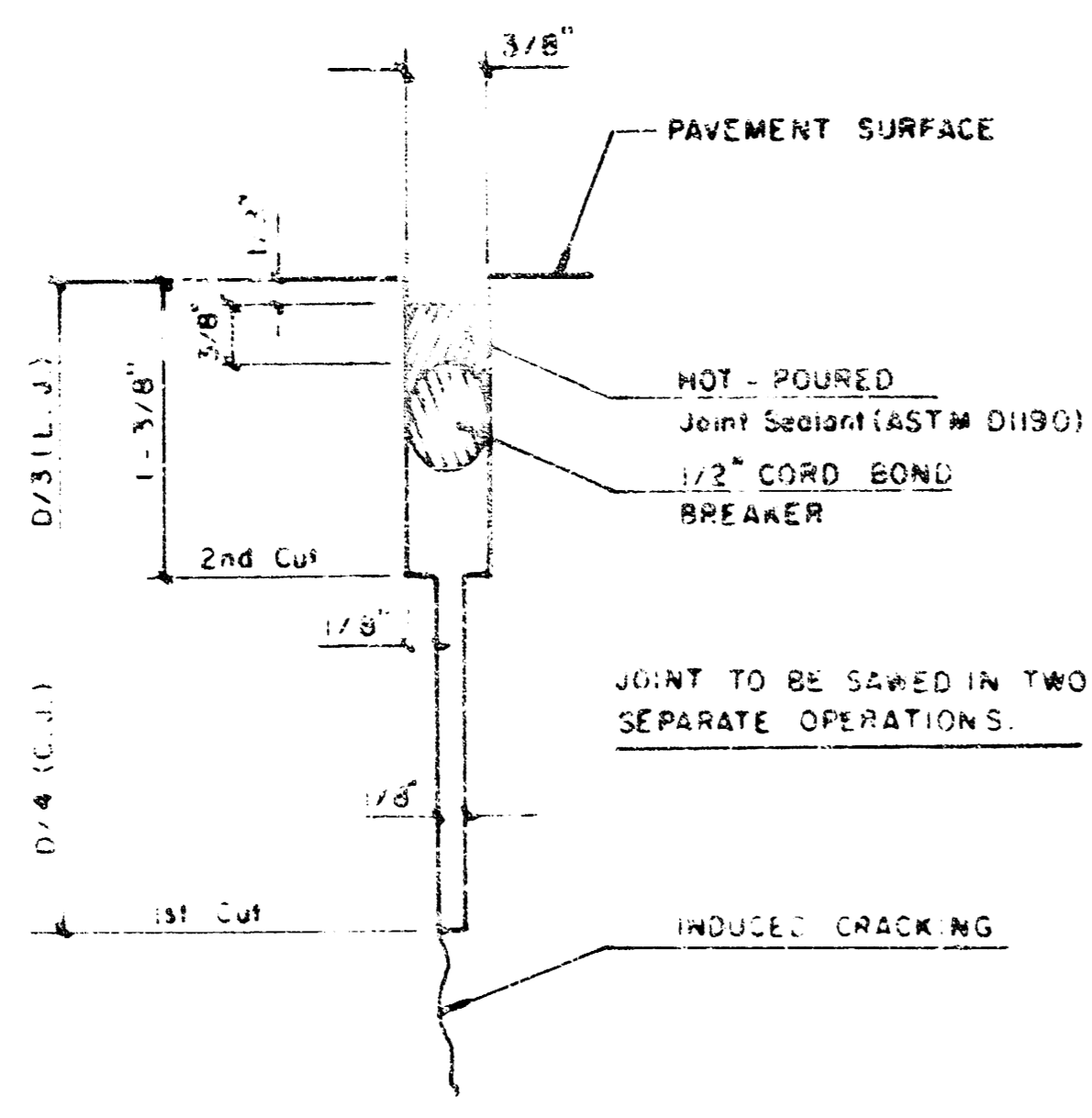


GENERAL NOTES

- 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 (50-50 OR OSS-10) 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.

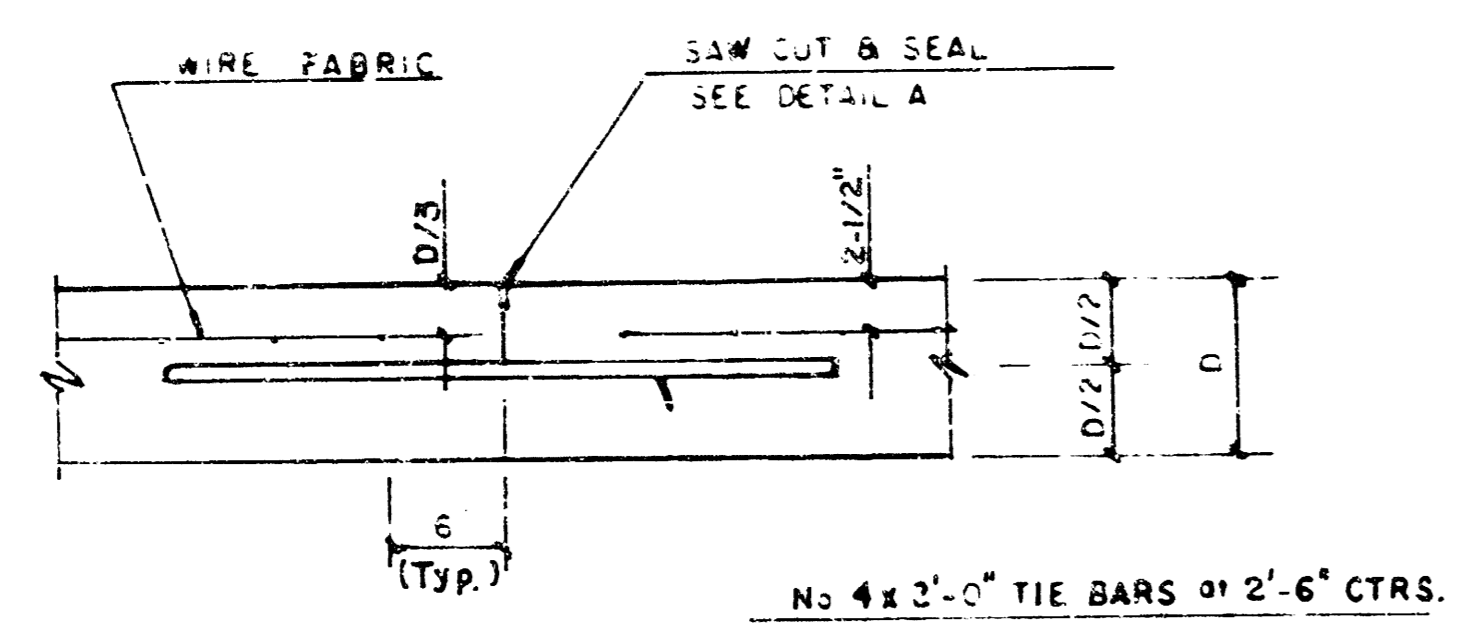
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE
 CITY OF WICHITA, KANSAS
 PROJECT NO. 17
 472-76-245-81594-000-000-001

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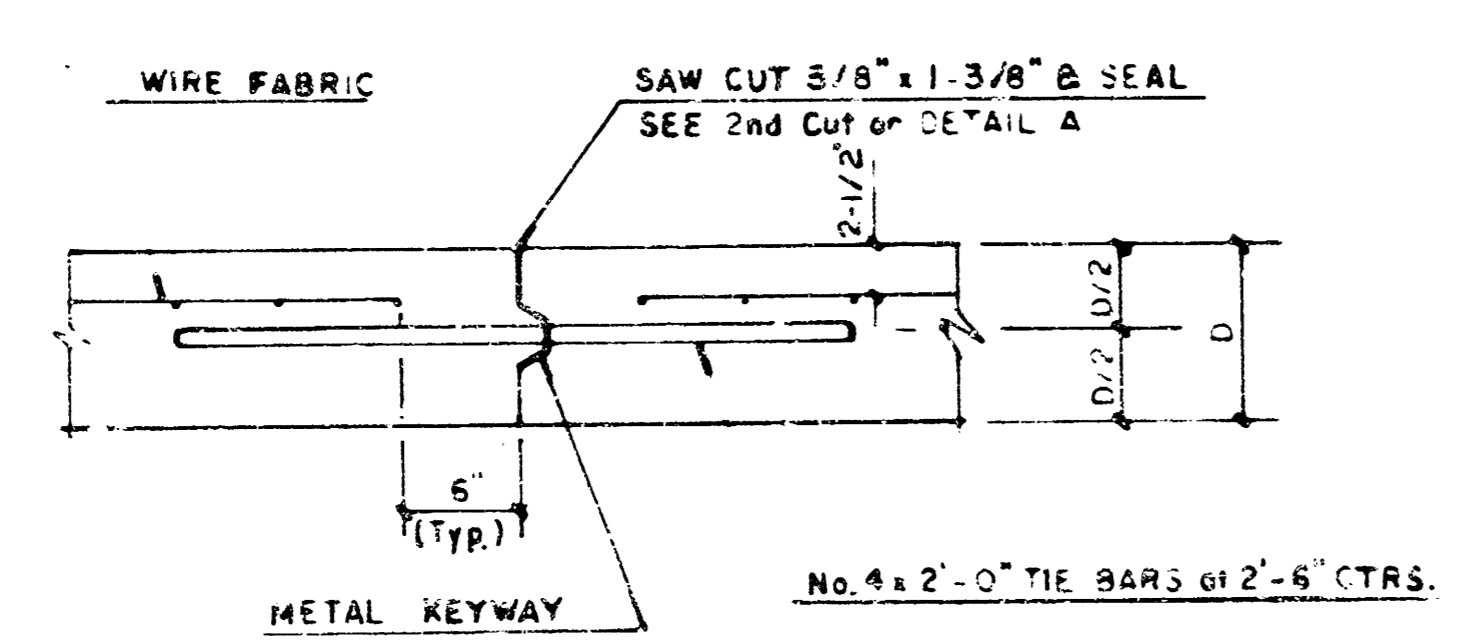


DETAIL A

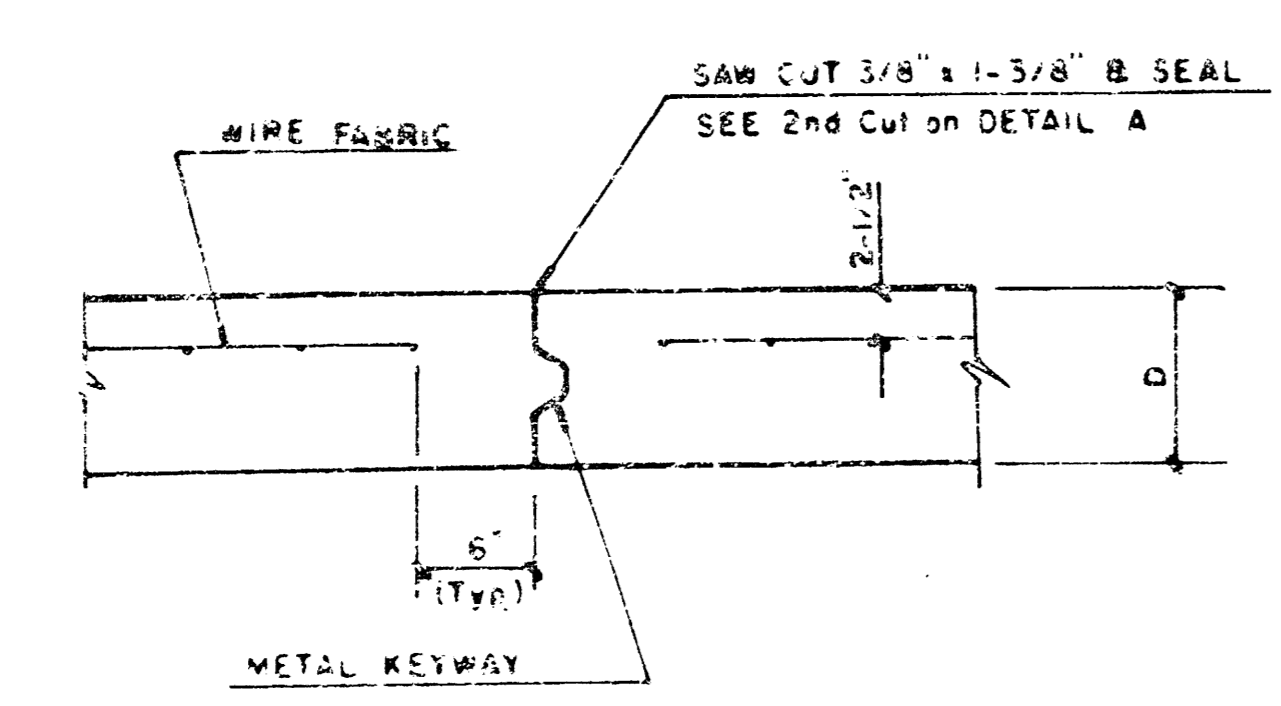
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER



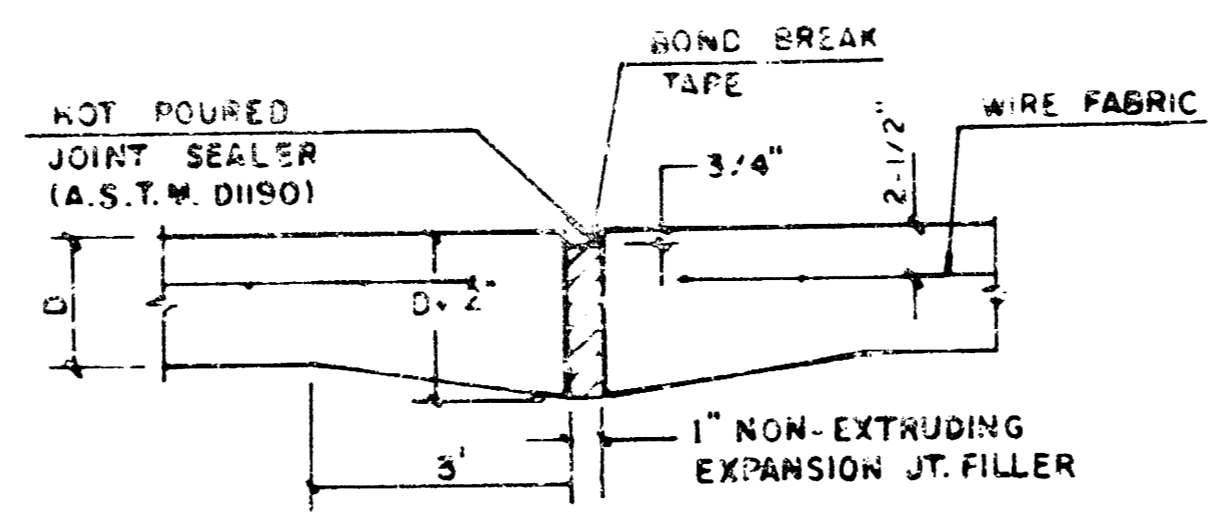
LONGITUDINAL JOINT DETAIL (L.J.)



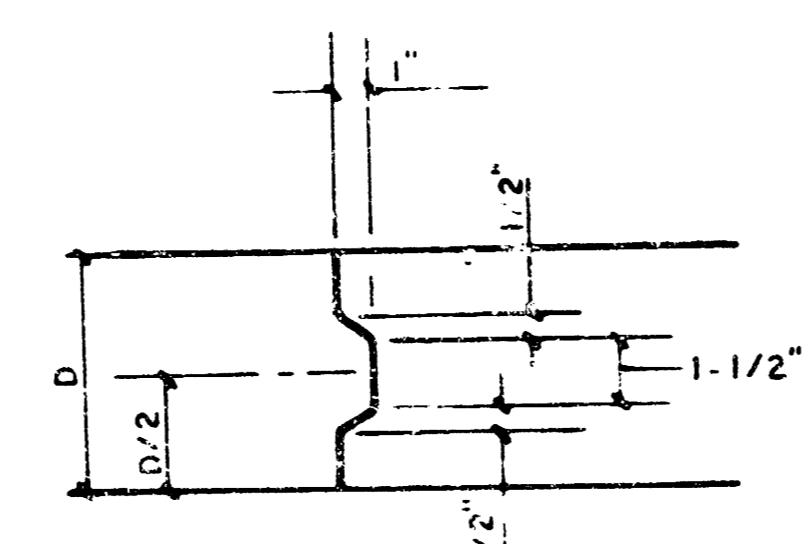
OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.) (Alternate L.J.)



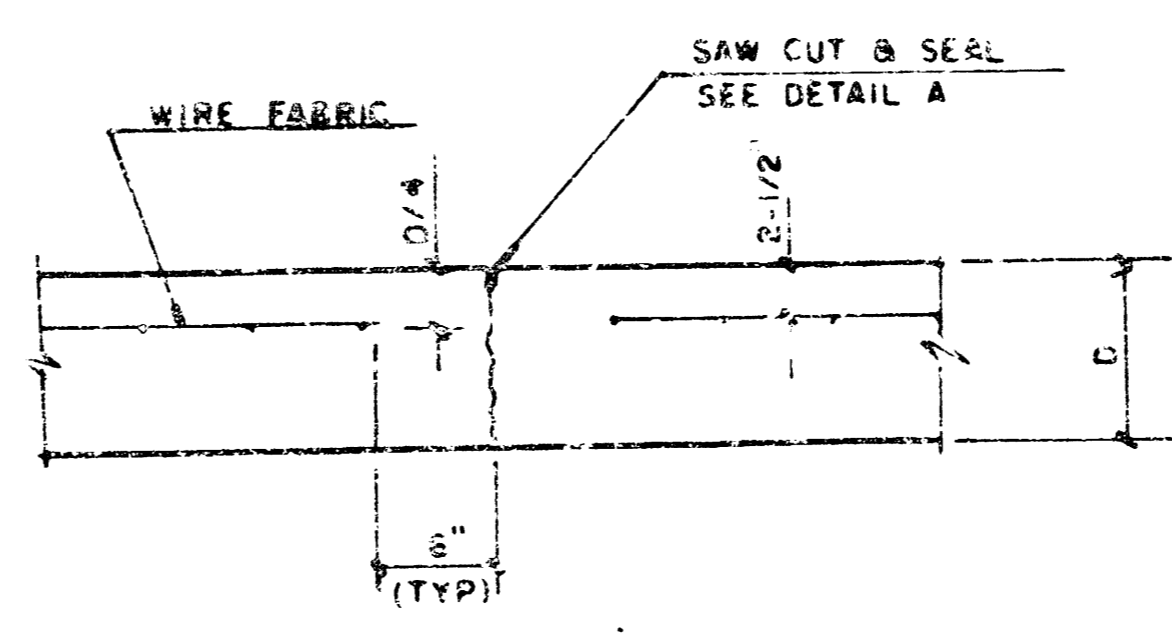
OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.) (Alternate C.J.)



EXPANSION JOINT
NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF 50 YDS PAVEMENT.

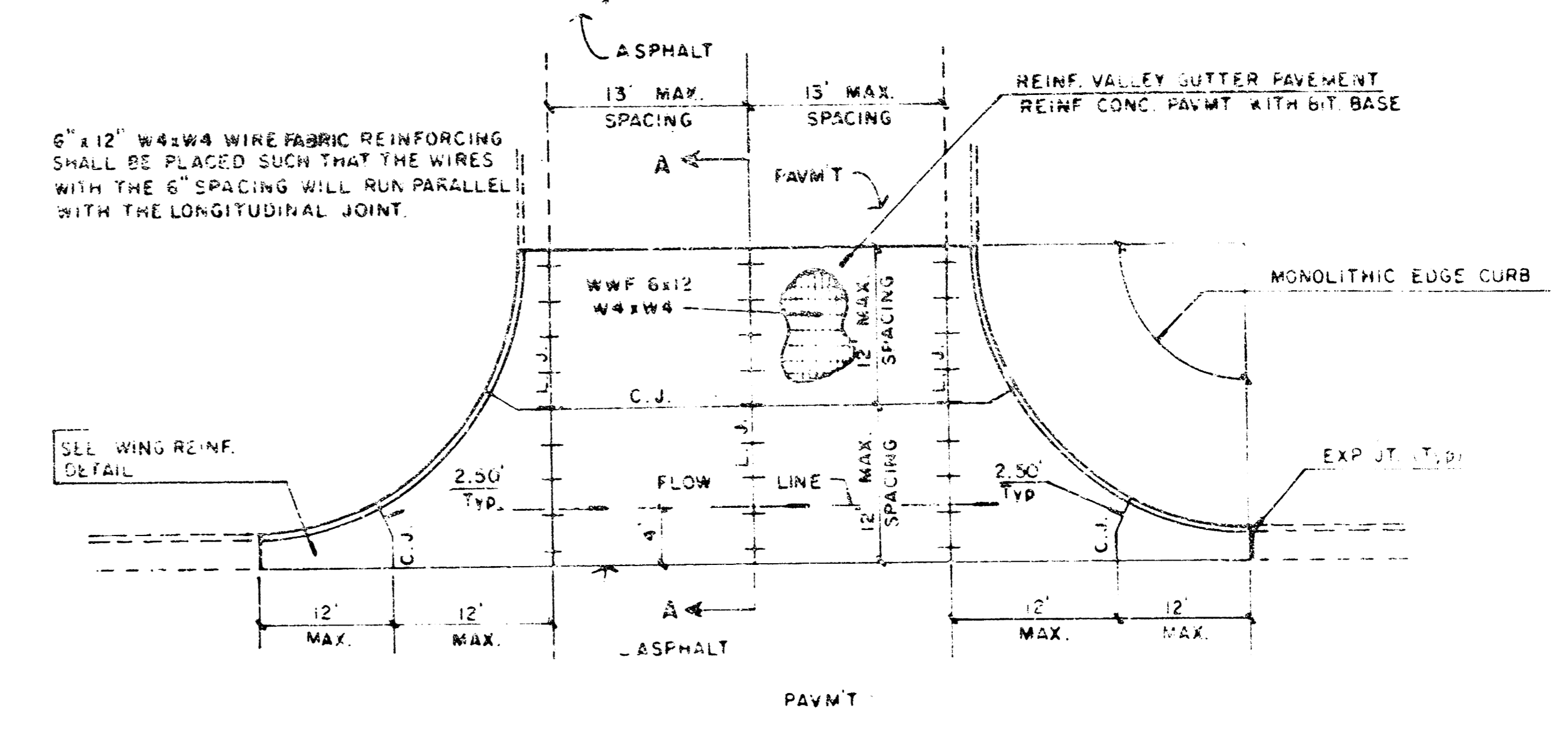


KEYWAY DETAIL

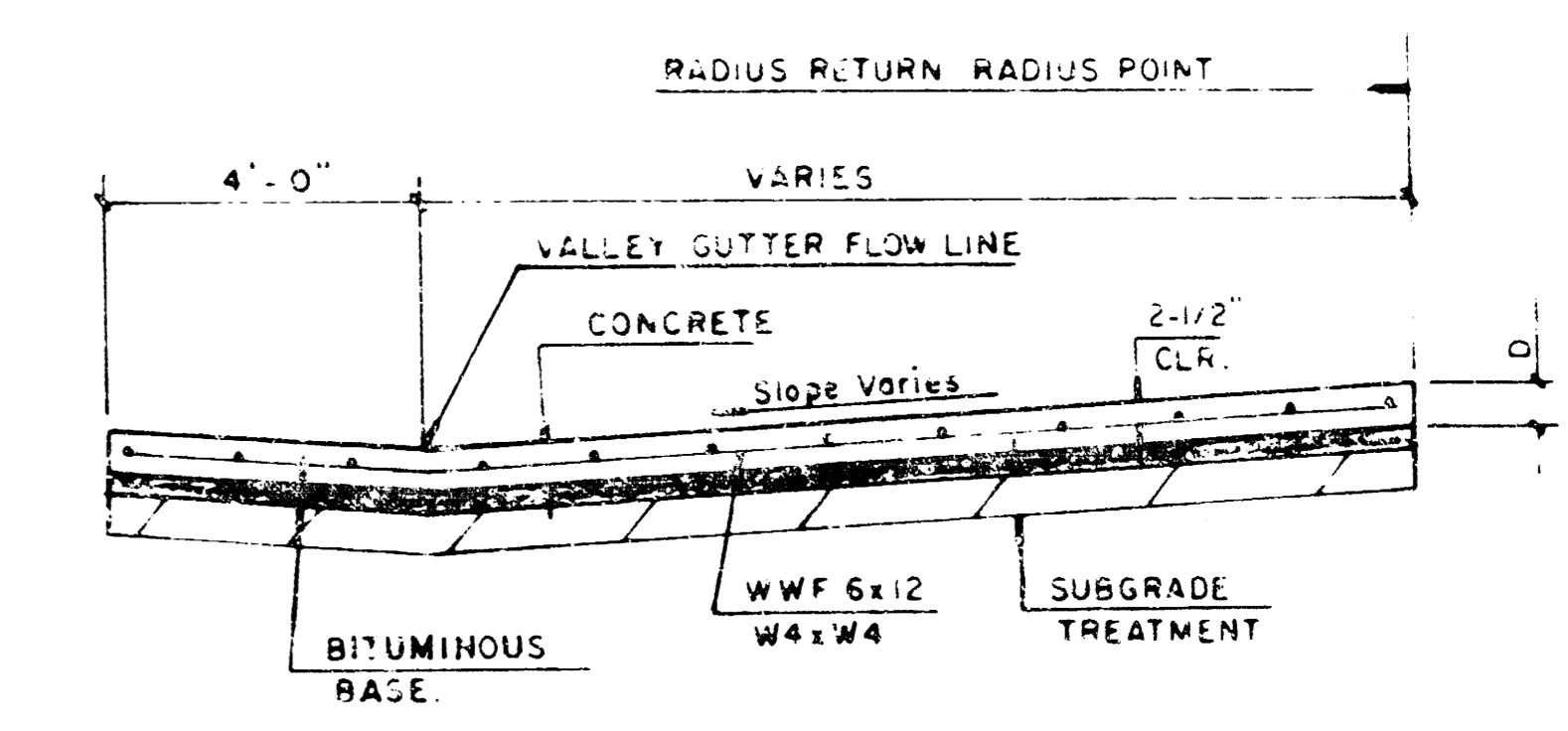


CONTRACTION JOINT DETAIL (C.J.)

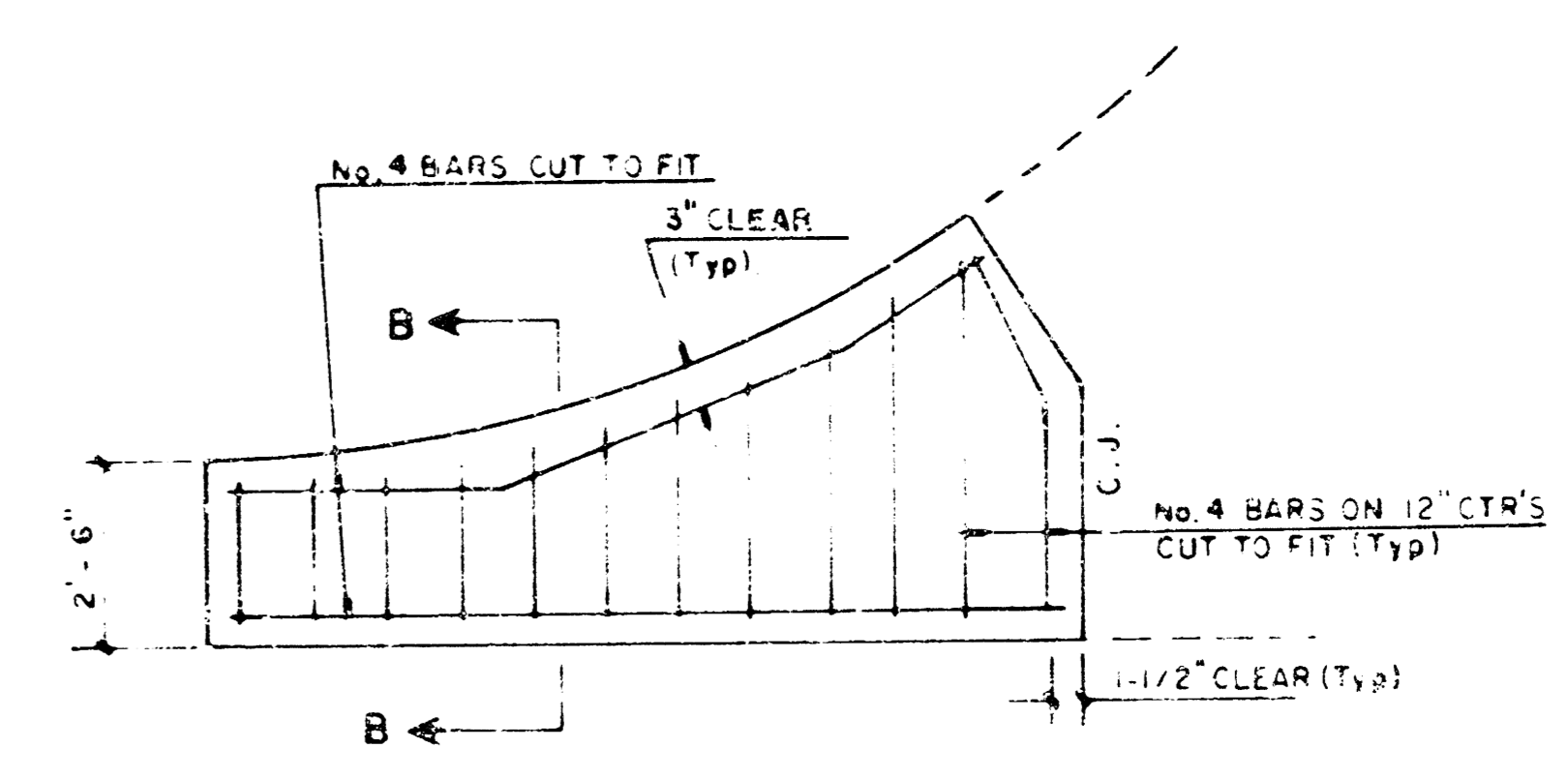
LEGEND
C.J. IDENTIFIES CONTRACTION JOINT
L.J. IDENTIFIES LONGITUDINAL JOINT



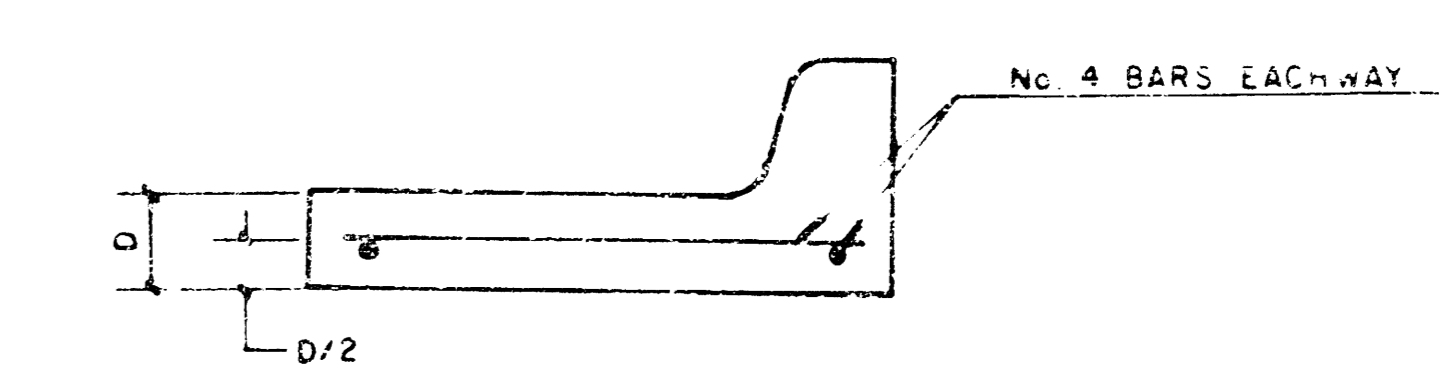
PLAN REINFORCED VALLEY GUTTER



SECTION A-A



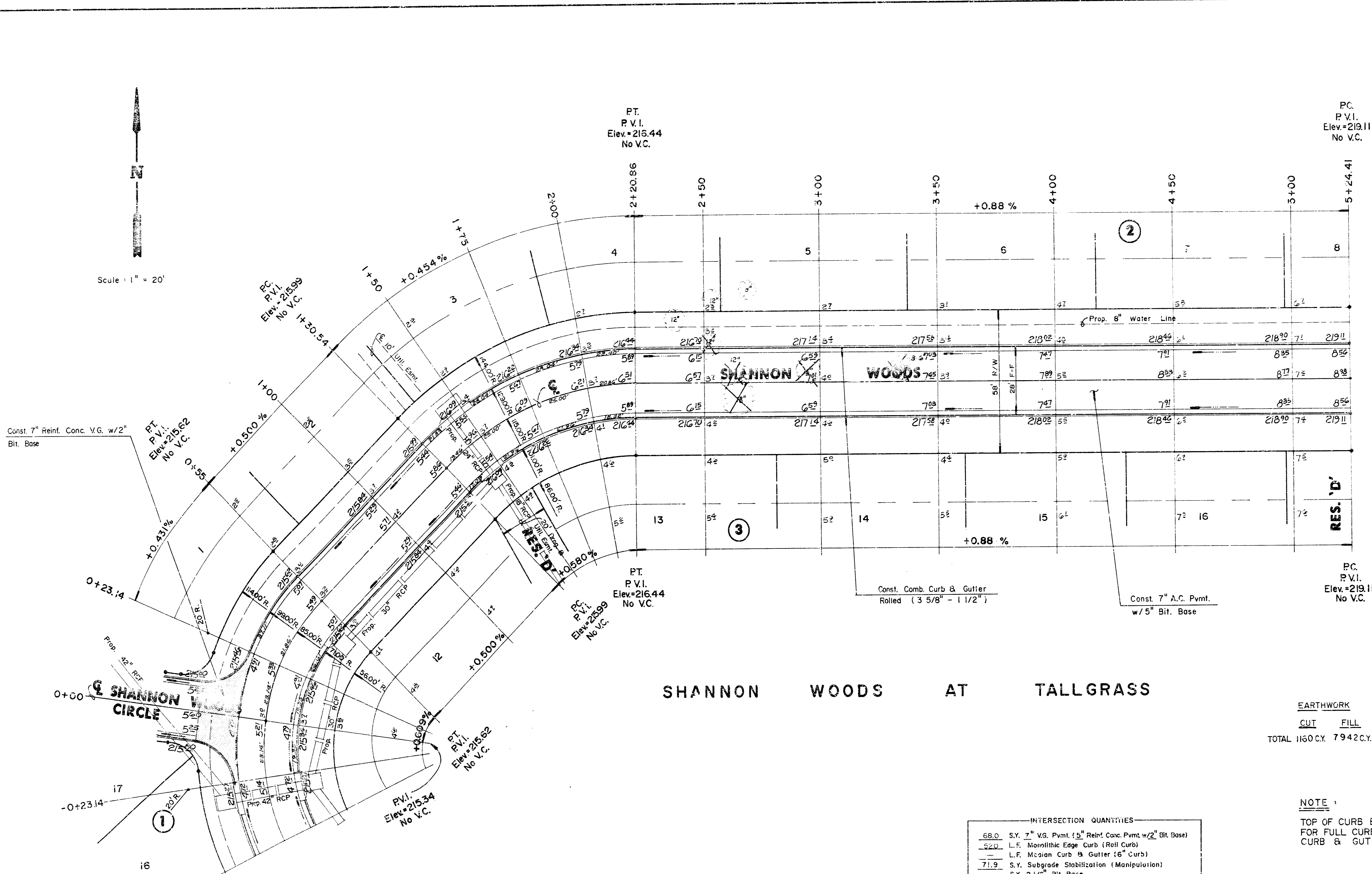
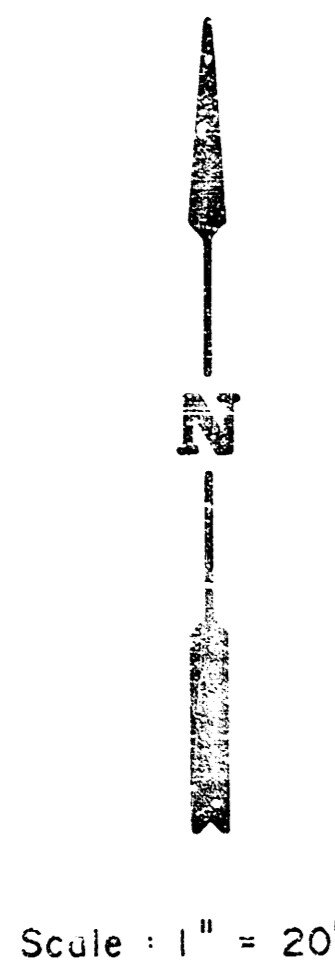
WING REINFORCING DETAIL



SECTION B-B

PROJECT REPORT NO. VALLEY GUTTER DETAILS
PROJECT NUMBER 472-76-245-81594-000-000-001 23

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SHANNON WOODS AT TALLGRASS

EARTHWORK
 CUT FILL
 TOTAL 1160 CY. 7942 CY.

NOTE 1
 TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB, CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

INTERSECTION QUANTITIES

68.0	S.Y.	7" V.S. Pmnt. (9" Reinf. Conc. Pmnt. w/2" Bit. Base)
52.0	L.F.	Municipal Edge Curb (Roll Curb)
71.9	S.Y.	Subgrade Stabilization (Manipulation)
		S.Y. 2 1/2" Bit. Base

SHANNON WOODS/FLUMTHICKET

WATER VALVE BOXES			
Station	Dist. From	Ex. S.I. (Plan)	P. j. E1.
0+23.47	21.75'	Lt.	215.71
6+57.88	21.75'	Lt.	219.92
9+96.25	23'	Lt.	220.25
9+80.21	23'	Lt.	220.25

△ = 85°35'05" R = 85.00' Y = 78.66' L = 126.97' LC = 115.49'

CURVE DATA BASED ON CENTERLINE Δ/2 = 42°47'33"

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off LtCb	8' Off RtCb		
-0+71.97	-	-	-	00°00'00"	00°00'00"
0+50.00	21.97'	27.58'	16.24'	07°24'17"	07°24'17"
0+28.41	20.59'	25.86'	15.22'	05°56'22"	14°20'39"
-C+R=78.78	6.27'	7.89'	4.85'	32°08'48"	18°27'27"
0+00.00	23.14'	29.04'	17.10'	07°47'56"	24°51'23"
0+23.14	23.14'	29.04'	17.10'	07°47'56"	32°03'19"
0+55.00	31.86'	39.87'	23.47'	10°44'14"	42°47'33"

Def/Ft = 20.22204 Min.

△ = 45°00'00" R = 115.00' T = 47.53' L = 90.32' LC = 88.02'

CURVE DATA BASED ON CENTERLINE Δ/2 = 22°30'00"

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off LtCb	8' Off RtCb		
1+30.54	-	-	-	00°00'00"	00°00'00"
1+30.54	19.46'	23.16'	15.72'	04°50'15"	04°50'15"
1+75.00	25.00'	29.72'	20.18'	06°13'40"	11°04'32"
2+00.00	25.00'	29.72'	20.18'	06°13'40"	17°18'12"
2+20.86	20.86'	24.82'	16.85'	05°11'18"	22°30'00"

Def/Ft = 14.94672 Min.

CITY OF WICHITA

SHANNON WOODS

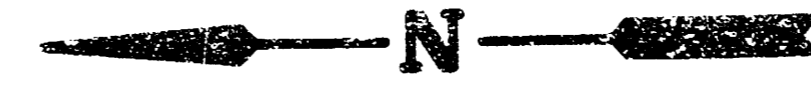
PROJECT NO. 472-76-245-81534-000-000-001

MID-KANSAS ENGINEERING CONSULTANTS P.A.
 3500 NORTH ROCK ROAD
 BUILDING # 800
 WICHITA, KANSAS 67226

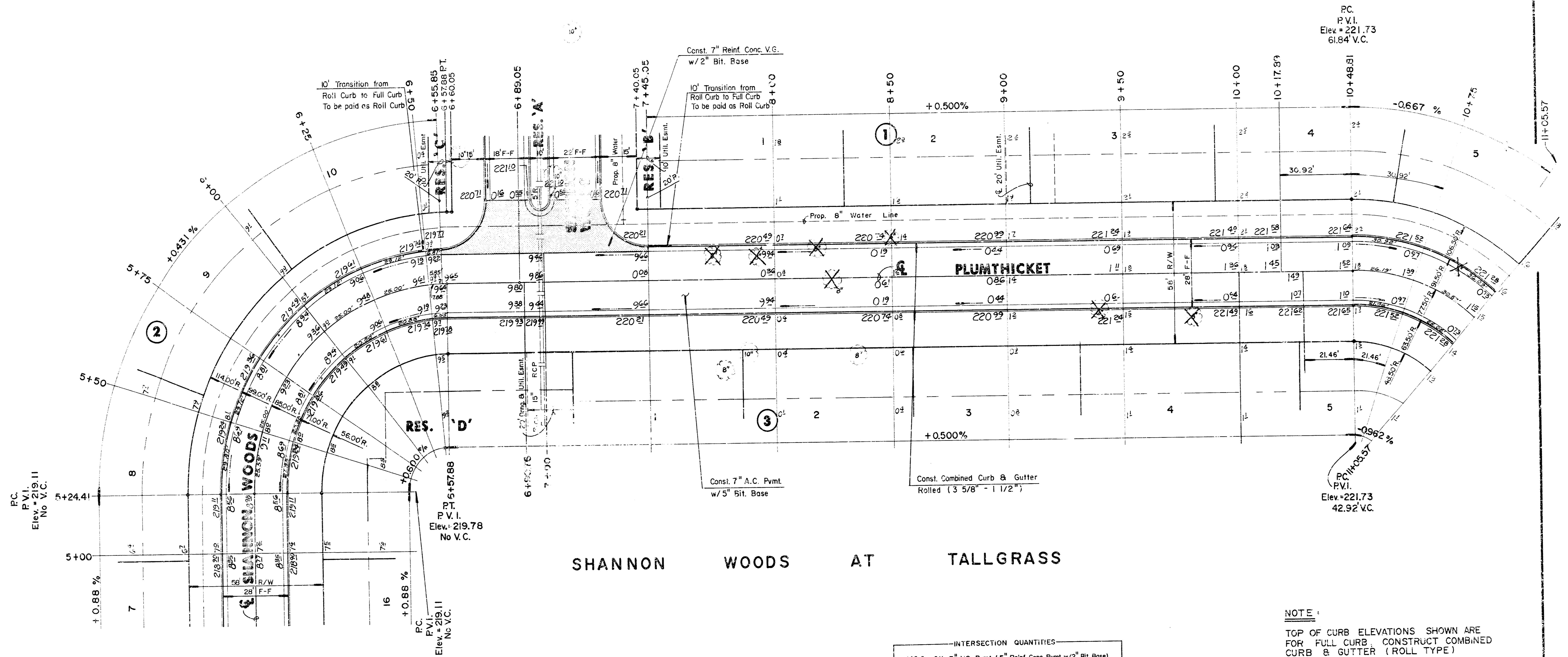
636-5566

Sheet 5 of 23

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Scale: 1" = 20'



SHANNON WOODS AT TALLGRASS

NOTE:
TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB. CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

INTERSECTION QUANTITIES

146.0	S.Y.	7" V.G. Pvmnt. (5" Reinf. Conc. Pvmnt. w/2" Bit Base)
62.4	L.F.	Monolithic Edge Curb (Roll Curb)
14.1	L.F.	Median Curb & Gutter (6" Curb)
159.1	S.Y.	Subgrade Stabilization (Monopulver)
2.2	S.Y.	2 1/2" Bit Base

$\Delta = 89^{\circ}59'06''$ R = 85.90' T = 84.95' L = 133.47' LC = 120.17'

CURVE DATA BASED ON CENTERLINE $\Delta/2 = 44^{\circ}59'03''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF L/CB	8' OFF R/CB		
5+24.41	-	-	-	0°00'00"	00°00'00"
5+50.00	25.59'	32.03'	19.90'	03°07'12"	03°07'12"
5+75.00	25.00'	31.35'	18.45'	03°25'33"	06°32'45"
5+99.00	25.00'	31.35'	18.45'	03°25'33"	09°58'18"
6+25.00	25.00'	31.35'	18.45'	03°25'33"	13°23'51"
6+50.00	25.00'	31.35'	18.45'	03°25'33"	16°49'24"
6+75.00	25.00'	31.35'	18.45'	03°25'33"	20°14'57"
6+57.88	2.03'	7.36'	5.34'	01°58'18"	22°13'15"
				00°41'04"	22°54'19"

Def/Ft = 20.2204 Min.

$\Delta = 41^{\circ}57'47''$ R = 77.50' T = 29.72' L = 56.76' LC = 55.50'

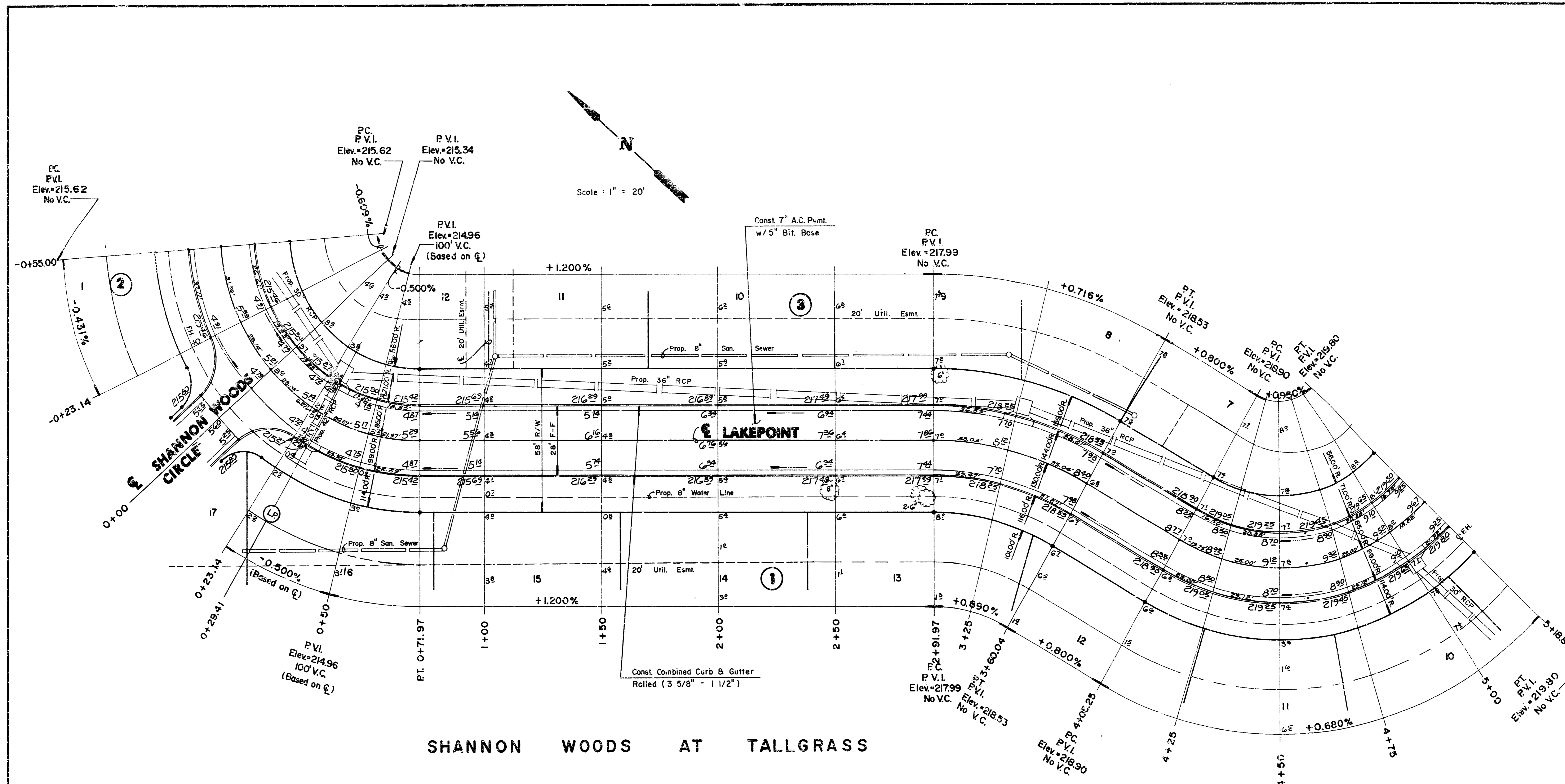
CURVE DATA BASED ON CENTERLINE $\Delta/2 = 20^{\circ}58'53''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF L/CB	8' OFF R/CB		
10+48.81	-	-	-	0°00'00"	00°00'00"
10+75.00	26.19'	33.46'	18.57'	08°40'52"	08°40'52"
11+05.57	30.57'	38.99'	21.75'	11°18'01"	20°58'53"

Def/Ft = 22.17901 Min.

		CITY OF WICHITA	Drawn by: GVA
		SHANNON WOODS/ PLUMTHICKET	Checked by: KSM
		PROJECT NO. 472-76-243-81594-000-000-001	Date: AUG 1989
		MID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226	636-5566
			Sheet 6 of 23

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SHANNON WOODS AT TALLGRASS

LAKEPOINT			
WATER VALVE BOXES			
Station	Dist. From	Ex. El. (Plan)	Prop. El.
0+41.56	27' Rt.		215.65
0+44.58	30' Rt.		215.65
5+15.80	23' Rt.		220.06
5+18.82	21.75' Rt.		220.06

CURVE DATA BASED ON CENTERLINE					
$\Delta = 95^{\circ}39'06''$ R = 85.00' T = 78.69' L = 126.97' LC = 115.49'					
$\Delta/2 = 47^{\circ}49'33''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF L/CB	8' OFF R/CB		
0+55.00				00°00'00"	00°00'00"
0+23.14	31.86'	23.48'	39.87'	10°44'16"	10°44'16"
0+00.00	23.14'	17.10'	29.04'	07°47'55"	18°32'13"
0+23.14	23.14'	17.10'	29.04'	07°47'55"	28°20'08"
0+29.41	6.27'	4.65'	7.89'	02°06'48"	28°26'57"
0+50.00	20.59'	15.22'	25.85'	06°56'22"	35°23'19"
0+71.97	21.97'	16.24'	27.58'	07°24'14"	42°47'33"

Def/Ft. = 20.22204 Min.

CURVE DATA BASED ON CENTERLINE					
$\Delta = 30^{\circ}00'00''$ R = 130.00' T = 34.83' L = 68.07' LC = 57.29'					
$\Delta/2 = 15^{\circ}00'00''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF L/CB	8' OFF R/CB		
2+91.97				00°00'00"	00°00'00"
3+25.00	33.03'	36.52'	27.37'	07°16'44"	07°16'44"
3+60.04	35.04'	40.84'	29.02'	07°43'16"	15°00'00"

Def/Ft. = 13.22210 Min.

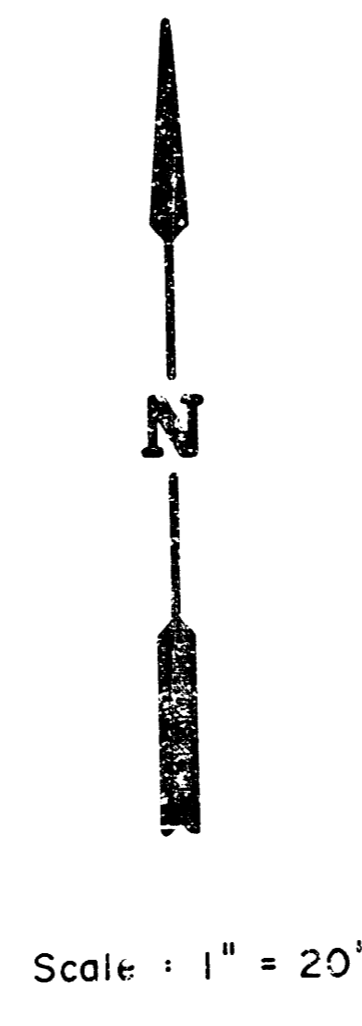
CURVE DATA BASED ON CENTERLINE					
$\Delta = 76^{\circ}33'20''$ R = 85.00' T = 67.08' L = 112.57' LC = 105.31'					
$\Delta/2 = 38^{\circ}16'40''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF L/CB	8' OFF R/CB		
4+05.25				00°00'00"	00°00'00"
4+25.00	19.75'	14.31'	24.81'	05°39'23"	05°39'23"
4+50.00	25.00'	18.46'	31.36'	08°25'33"	15°04'56"
4+75.00	25.00'	18.46'	31.36'	08°25'33"	23°30'29"
5+00.00	25.00'	18.46'	31.36'	08°25'33"	31°55'02"
5+18.82	18.82'	13.92'	23.65'	06°20'38"	38°16'40"

Def/Ft. = 20.22204 Min.

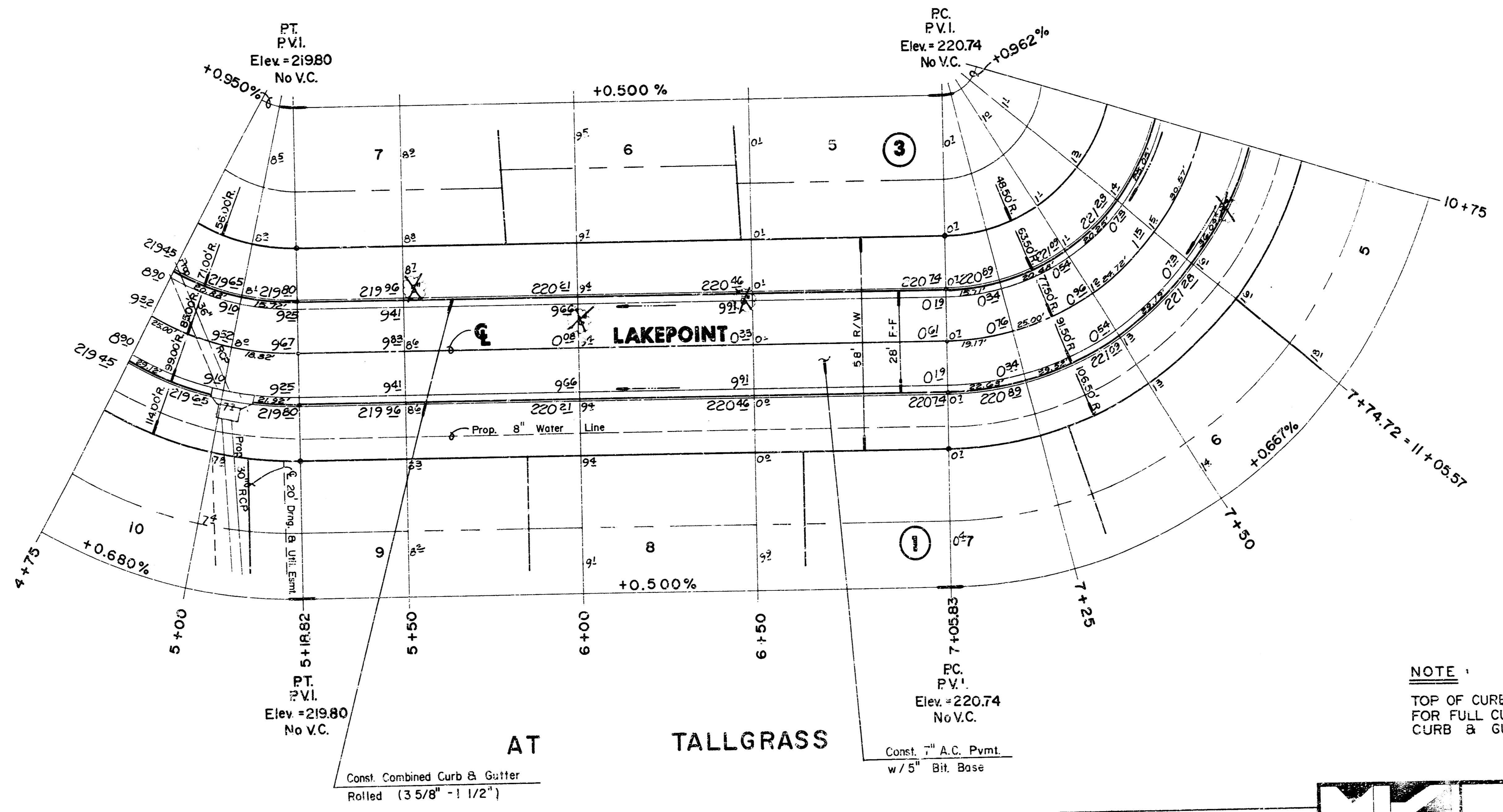
NOTE:
TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB. CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

	CITY OF WICHITA	Designer: GJA Drawn by: KSM Checked by: DSS Date: AUG. 1989 Job No.:
	LAKEPOINT	PROJECT NO. 472-76-245-81594-000-000-001
MID-KANSAS ENGINEERING CONSULTANTS P.A. 1500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226		Sheet 7 of 23

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SHANNON WOODS



NOTE:
TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

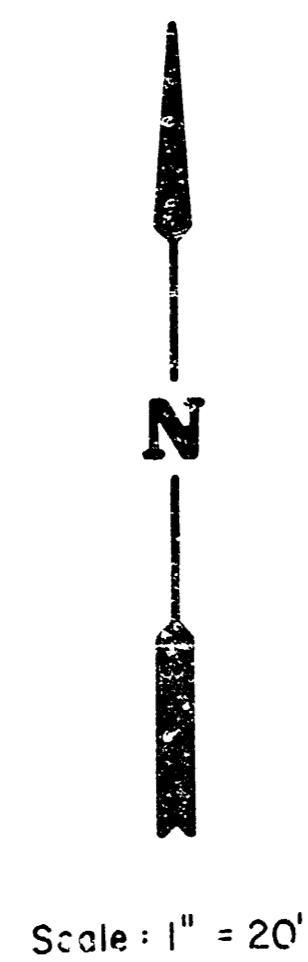
$\Delta = 50^\circ 55' 42''$ $R = 77.50'$ $T = 36.91'$ $L = 63.89'$ $LC = 66.64'$
 $\Delta/2 = 25^\circ 27' 51''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		6' OFF L&C	6' OFF REC'D		
7+05.83	-	-	-	00°00'00"	00°00'00"
7+25.00	19.17'	13.63'	24.55'	07°05'10"	07°05'10"
7+50.00	25.00'	17.63'	31.36'	09°08'12"	16°13'22"
7+74.72	24.72'	17.63'	31.60'	09°08'12"	25°21'34"

Def/Ft = 22.17901 Min.

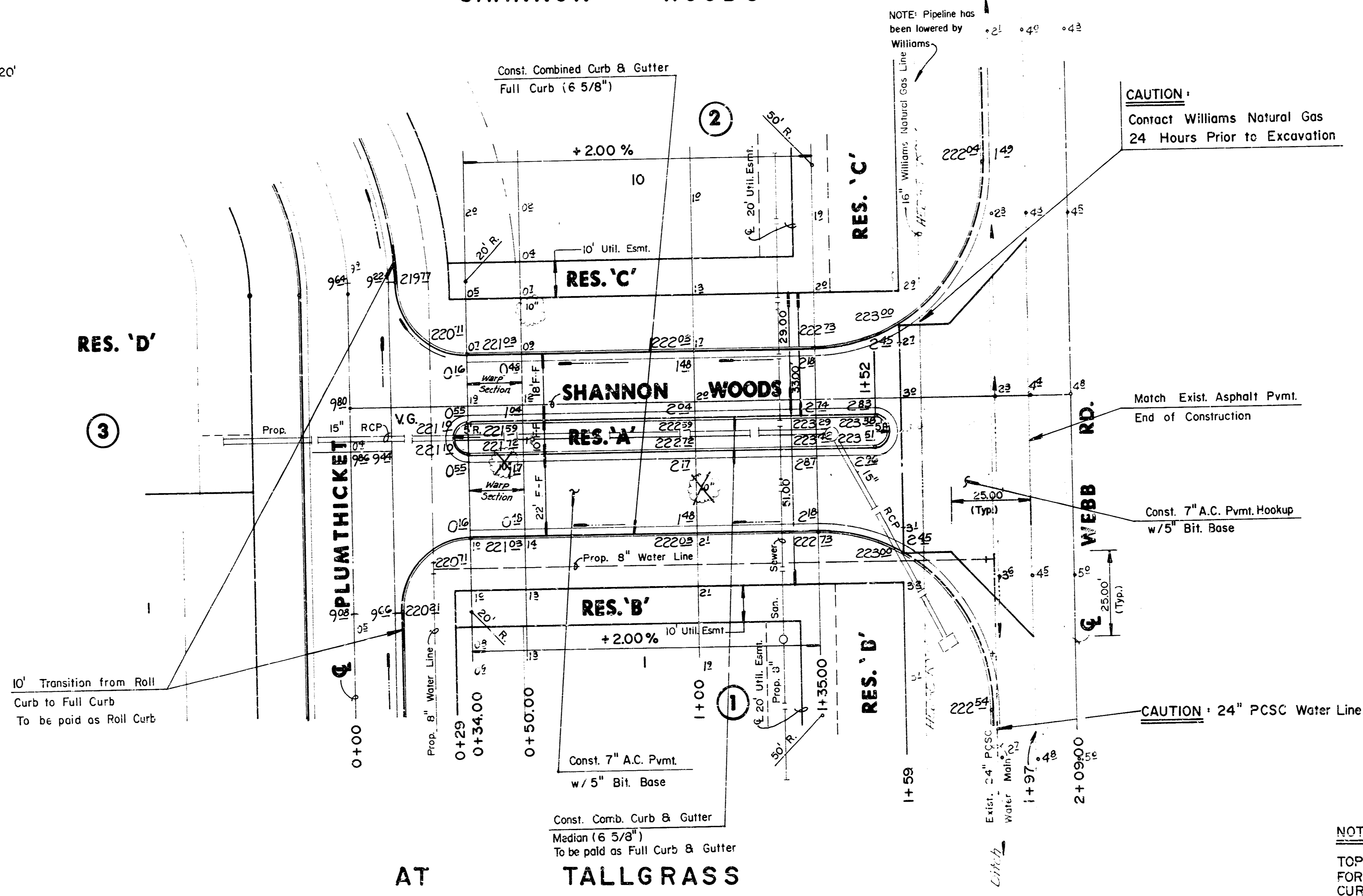
	CITY OF WICHITA	Design: GJA
	LAKEPOINT	Drawn By: KSM
	PROJECT NO. 472-76-245-81594-000-000-001	Checked By: DSS
MID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226		Date: AUG. 1989 Job No.:
89-27-1/3 E		Sheet 8 of 23

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Scale: 1" = 20'

SHANNON WOODS



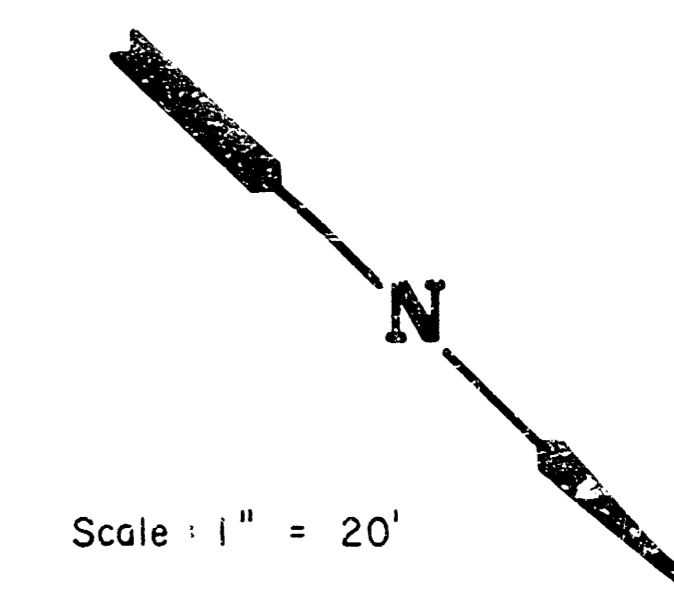
	CITY OF WICHITA	Design: GJA
	SHANNON WOODS (ENTRANCE)	Drawn by: KSM
	PROJECT NO. 472-76-245-81594-000-001	Checked by: DSS
		Date: AUG. 1989
		Job No.:
KID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226		636-5566
Sheet 9		of 23

89-27-113 E

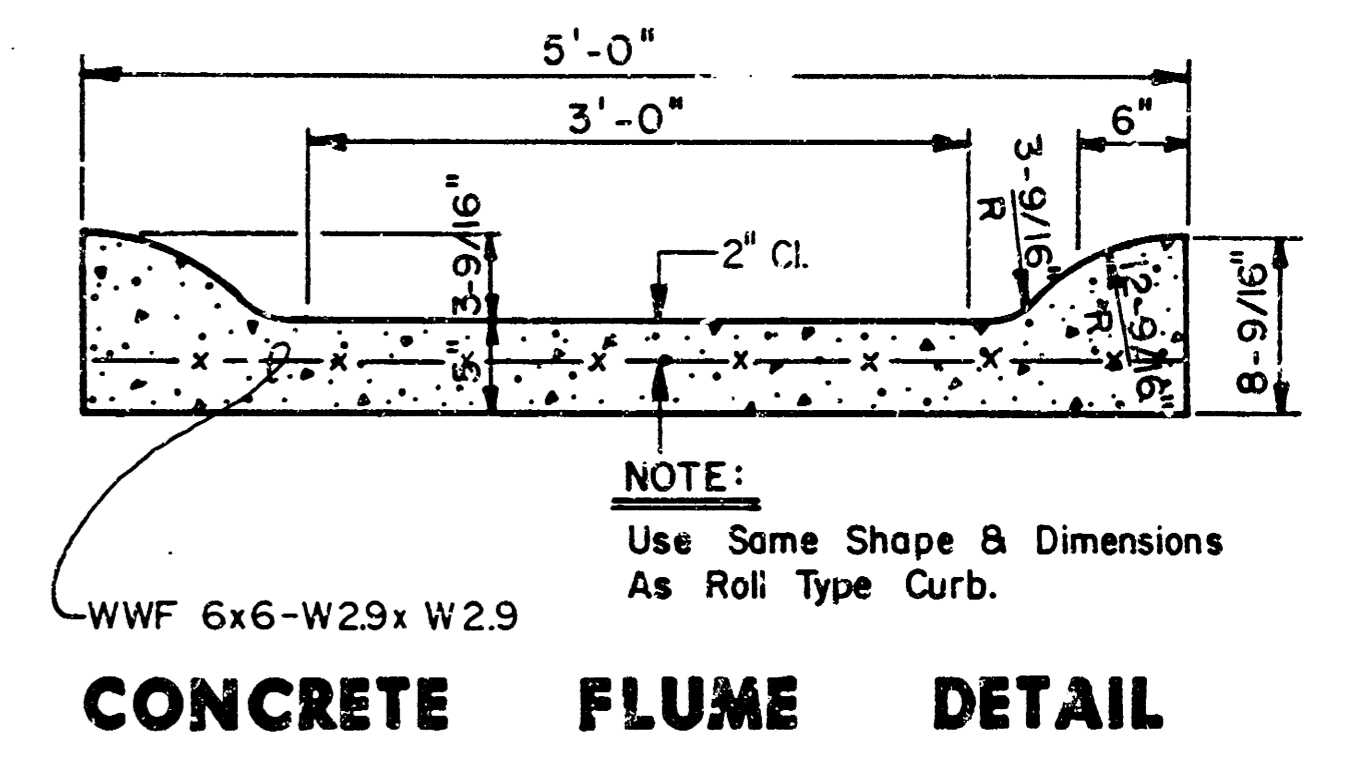
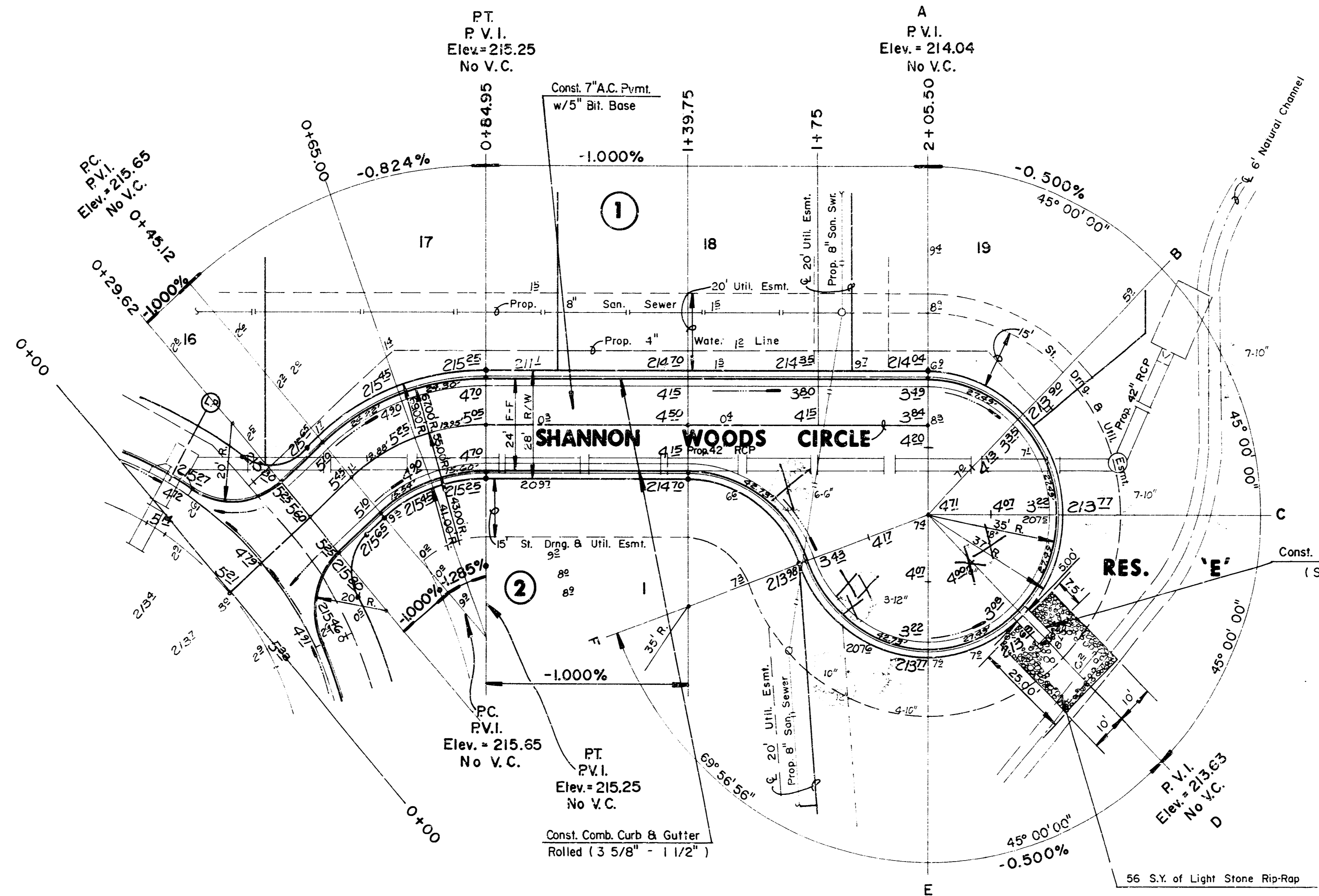
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SHANNON

WOODS



Scale: 1" = 20'



Removal of Trees Outside of Right-of-Way Shall be Approved by the Engineer in Order to Save as Many Trees as Possible.

NOTE
TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB, CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

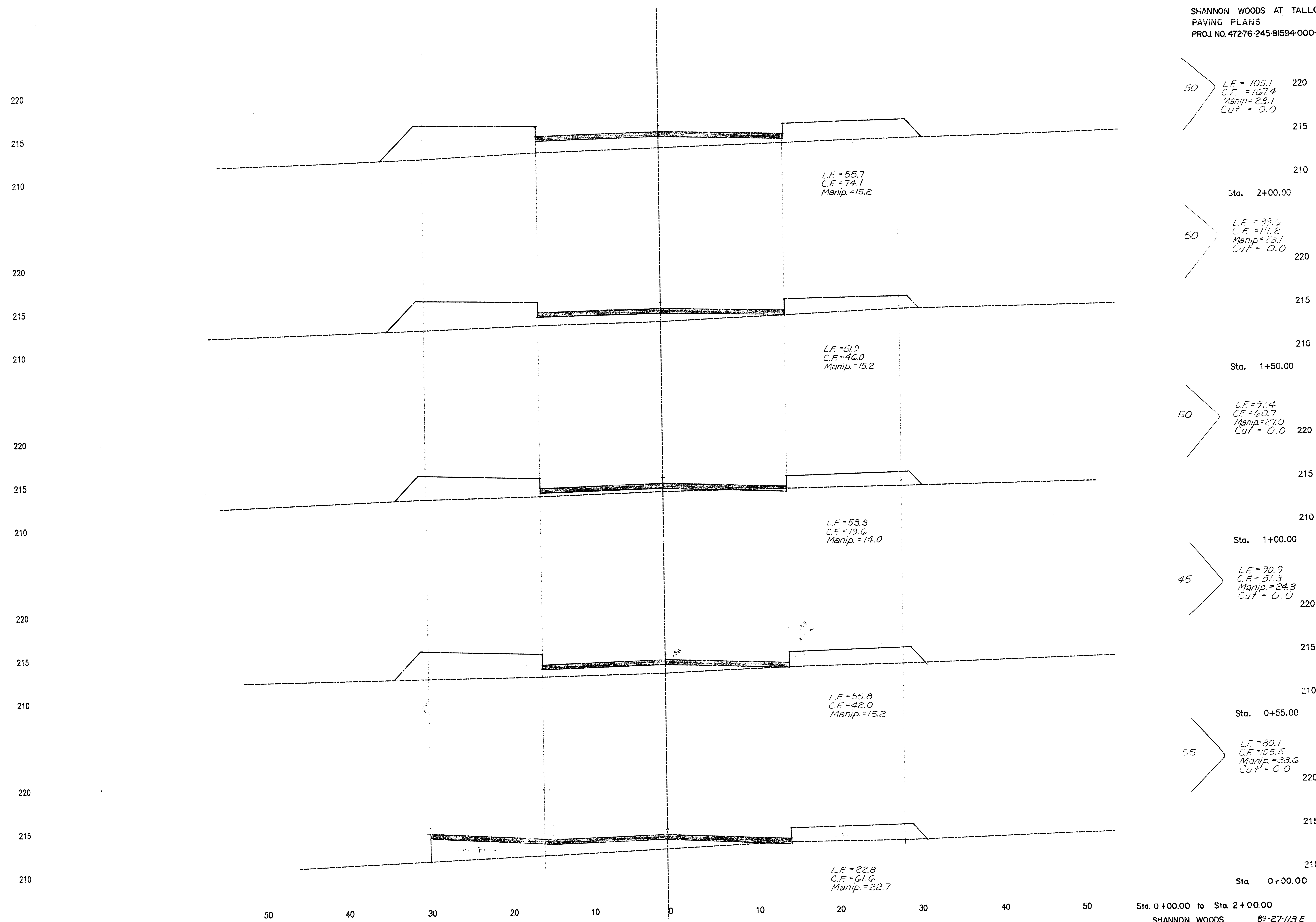
AT TALLGRASS

$\Delta = 41^{\circ}29'20''$ R = 55.00' T = 20.83' L = 39.83' LC = 38.96'					
CURVE DATA BASED ON CENTERLINE $\Delta/2 = 20^{\circ}44'40''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off LtCd	8' Off RtCd		
0+45.12	-	-	-	00°00'00"	00°00'00"
0+65.00	19.88'	26.96'	12.58'	10°21'18"	10°21'18"
0+84.95	19.95'	27.05'	12.62'	10°23'22"	20°44'40"
Def/Ft = 31.25224 Min.					

	CITY OF WICHITA	Design: GJA
	SHANNON WOODS CIRCLE	Drawn by: KSM
	PROJECT NO. 472-76-245-81594-000-000-001	Checked by: DSS
MID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226		Date: AUG. 1989 Job No.:
636-5566		Sheet 10 of 23

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 47276-245-81594-000-000-001

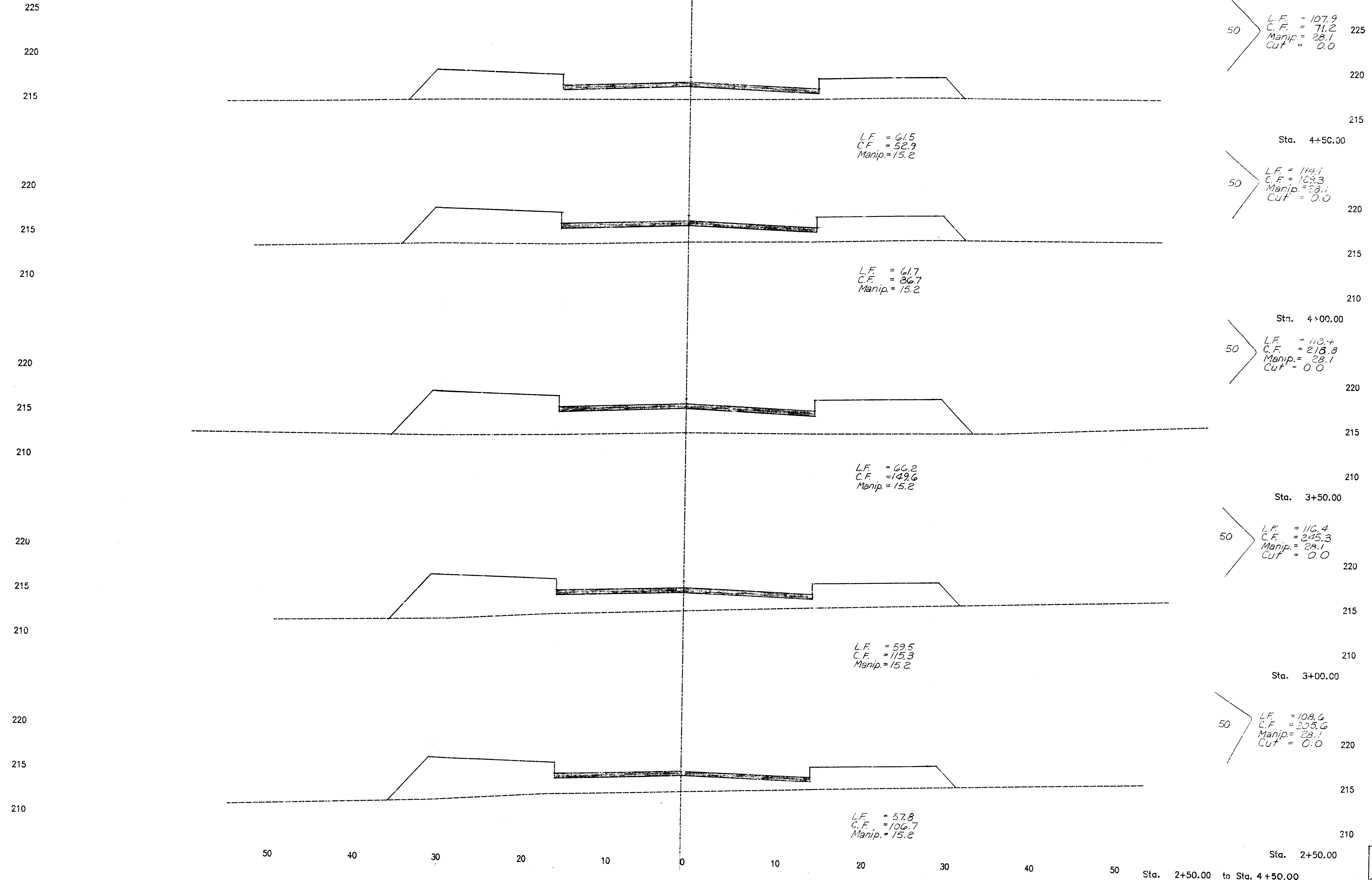


Sta. 0+00.00 to Sta. 2+00.00
SHANNON WOODS 89-27/13 E

11
23

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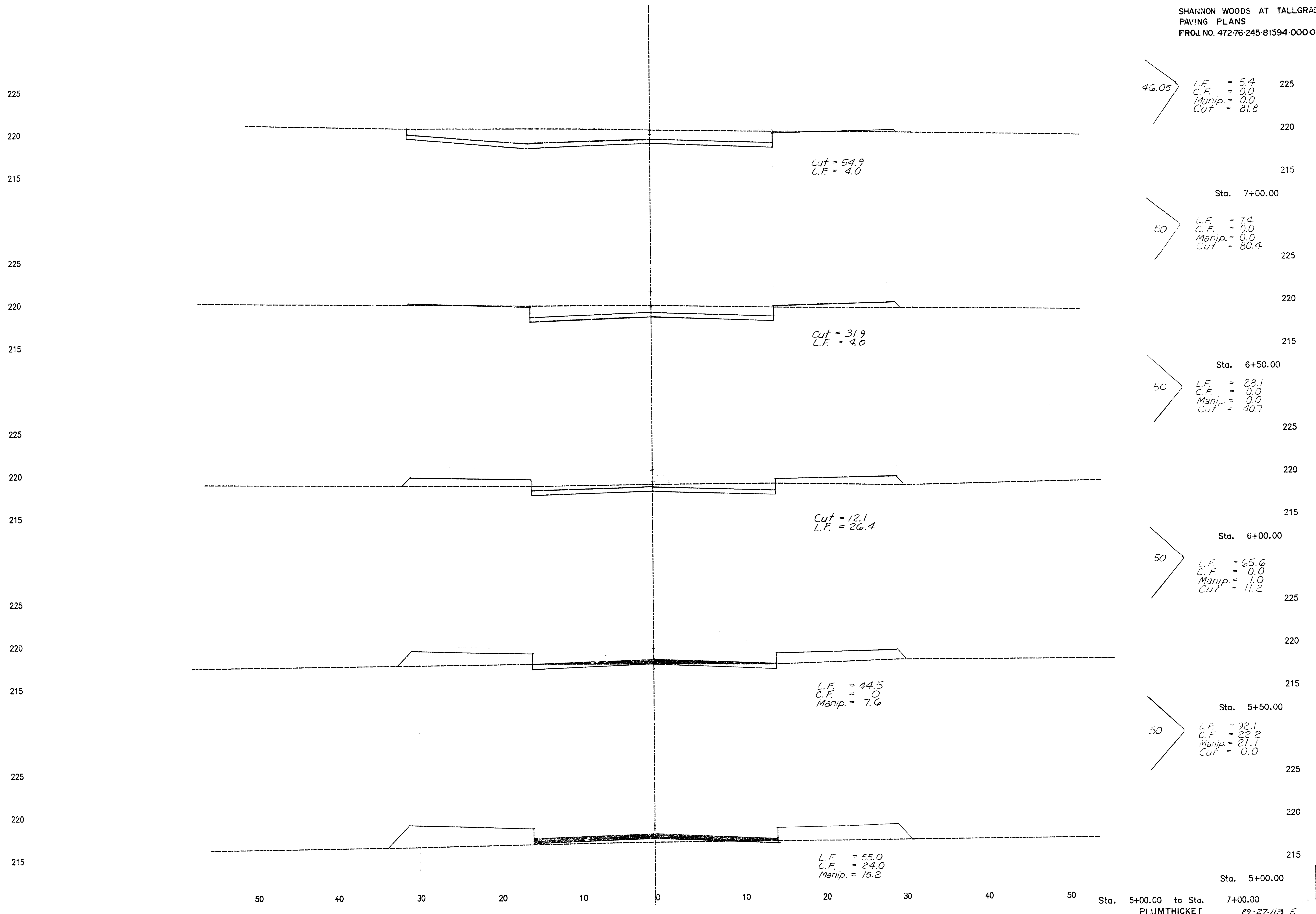
SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 472-76-245-81594-000-000-001



12/23

SHANNON WOODS 89-27-113E

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46.05
 L.F. = 5.4
 C.F. = 0.0
 Manip. = 0.0
 Cut = 81.8

50
 L.F. = 7.4
 C.F. = 0.0
 Manip. = 0.0
 Cut = 80.4

50
 L.F. = 28.1
 C.F. = 0.0
 Manip. = 0.0
 Cut = 40.7

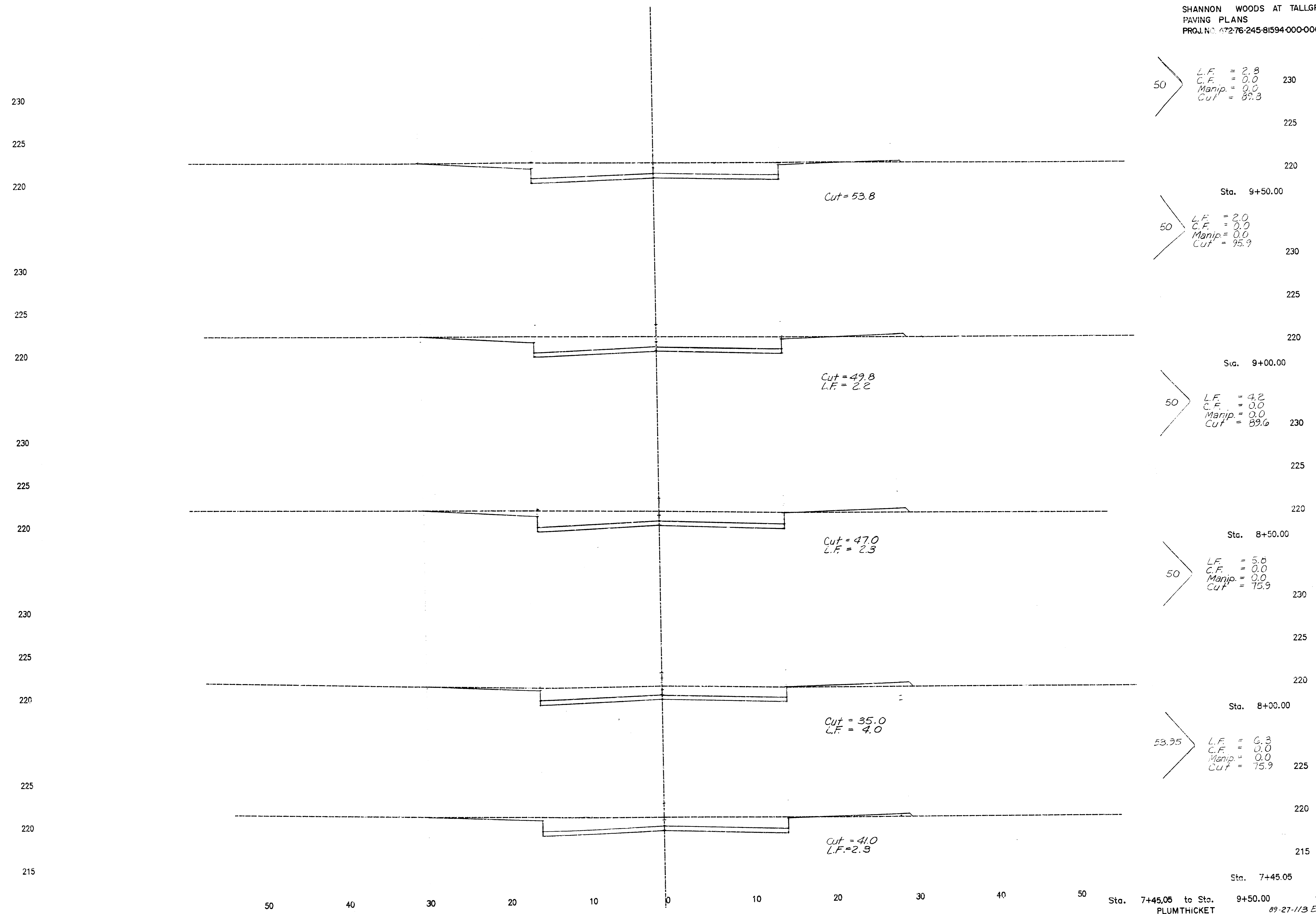
50
 L.F. = 65.6
 C.F. = 0.0
 Manip. = 7.0
 Cut = 11.2

50
 L.F. = 92.1
 C.F. = 22.2
 Manip. = 21.1
 Cut = 0.0

13
 23

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SHANNON WOODS AT TALLGRASS
 PAVING PLANS
 PROJ. NO. 472-76-245-81594-000-000-001



50
 L.F. = 2.8
 C.F. = 0.0
 Manip. = 0.0
 Cut = 53.8

50
 L.F. = 2.0
 C.F. = 0.0
 Manip. = 0.0
 Cut = 49.8

50
 L.F. = 4.2
 C.F. = 0.0
 Manip. = 0.0
 Cut = 47.0

50
 L.F. = 5.8
 C.F. = 0.0
 Manip. = 0.0
 Cut = 35.0

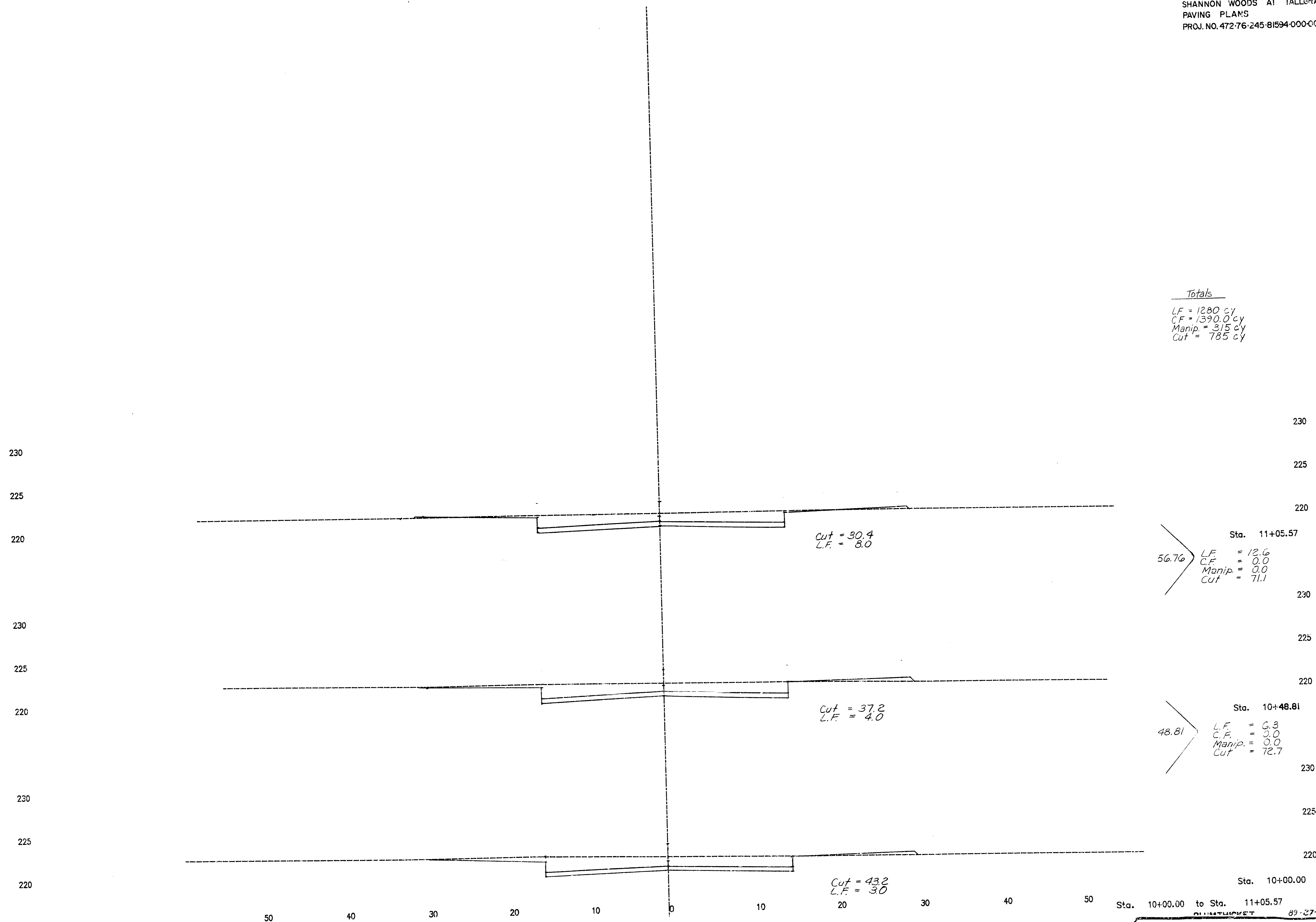
53.35
 L.F. = 6.3
 C.F. = 0.0
 Manip. = 0.0
 Cut = 41.0

14
 23

Sta. 7+45.05 to Sta. 9+50.00
 PLUMTHICKET
 89-27-113 E

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 472-76-245-81594-000-000-00



Totals
 L.F. = 1280 cy
 C.F. = 1390.0 cy
 Manip. = 315 cy
 Cut = 785 cy

56.76 > Sta. 11+05.57
 L.F. = 12.6
 C.F. = 0.0
 Manip. = 0.0
 Cut = 71.1

48.81 > Sta. 10+48.81
 L.F. = 6.3
 C.F. = 0.0
 Manip. = 0.0
 Cut = 72.7

Cut = 30.4
L.F. = 8.0

Cut = 37.2
L.F. = 4.0

Cut = 43.2
L.F. = 3.0

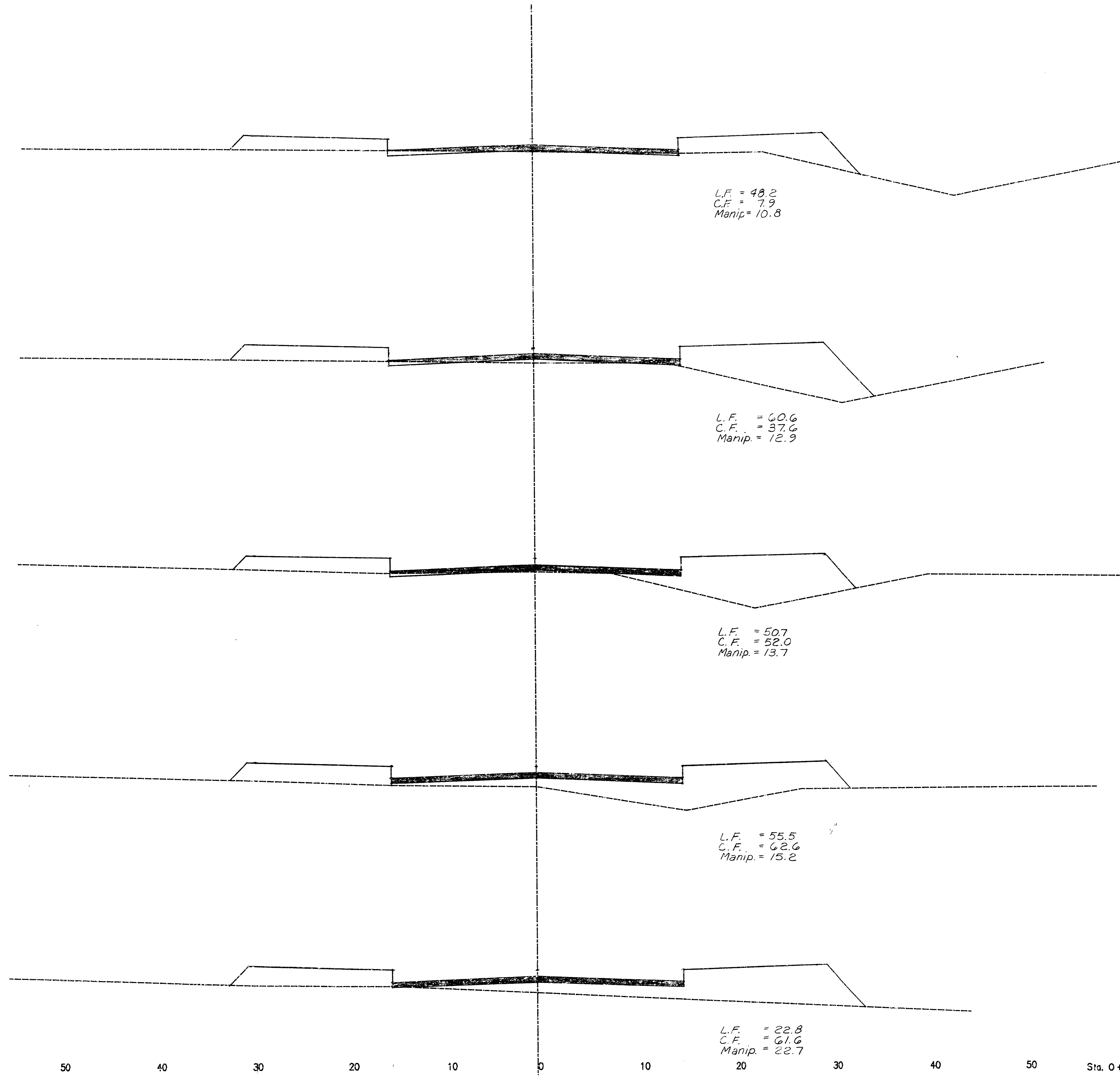
Sta. 10+00.00 to Sta. 11+05.57

15
23

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 472-76-245-81594-000-000-001

220
215
210
220
215
210
220
215
210
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215
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220
215
210



L.F. = 48.2
C.F. = 7.9
Manip. = 10.8

L.F. = 60.6
C.F. = 37.6
Manip. = 12.9

L.F. = 50.7
C.F. = 52.0
Manip. = 13.7

L.F. = 55.5
C.F. = 62.6
Manip. = 15.2

L.F. = 22.8
C.F. = 61.6
Manip. = 22.7

50
L.F. = 69.0
C.F. = 7.3
Manip. = 13.1
Cut = 2.3

50
L.F. = 100.7
C.F. = 42.1
Manip. = 21.9
Cut = 0.0

50
L.F. = 103.1
C.F. = 83.0
Manip. = 24.6
Cut = 0.0

50
L.F. = 98.3
C.F. = 106.1
Manip. = 26.8
Cut = 0.0

50
L.F. = 72.5
C.F. = 115.0
Manip. = 35.1
Cut = 0.0

220

215

210

Sta. 2+00.00

220

215

210

Sta. 1+50.00

220

215

210

Sta. 1+00.00

220

215

210

Sta. 0+50.00

220

215

210

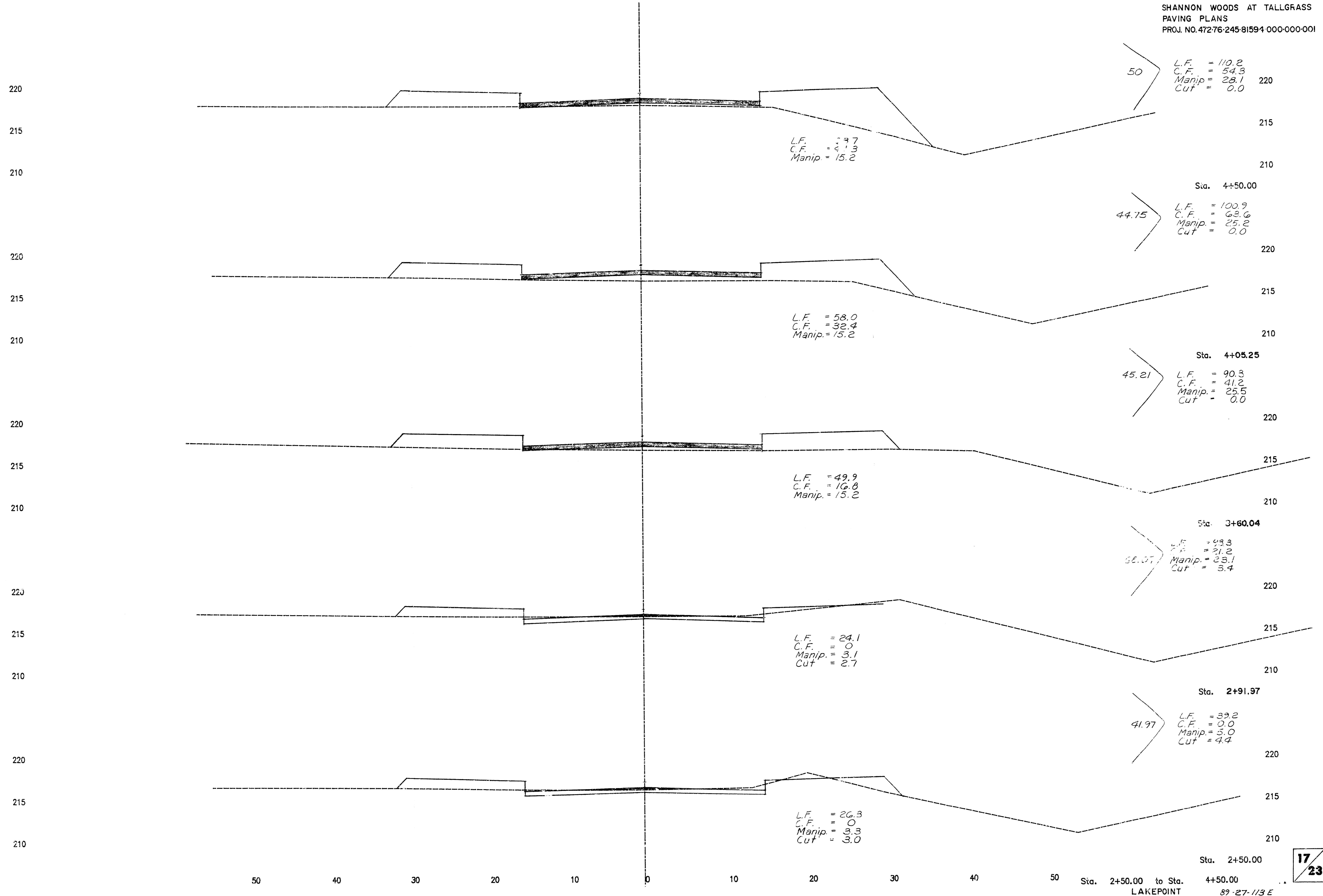
Sta. 0+00.00

Sta. 0+00.00 to Sta. 2+00.00
LAKEPOINT 89-27-113 E

16
23

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 47276-245-81594-000-000-001

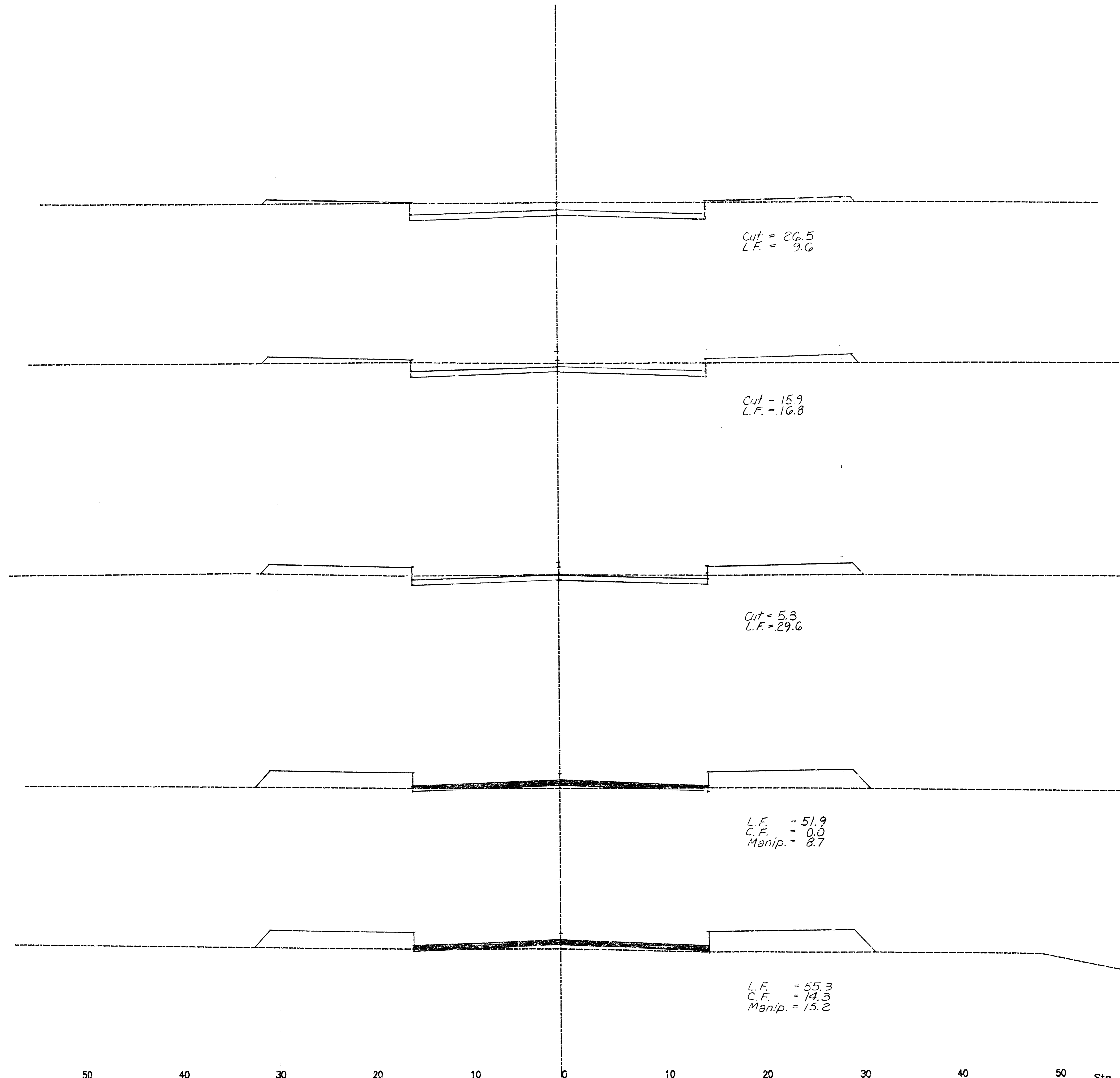


17/23

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 472-76-245@1594-000-000-001

230
225
220
225
220
215
225
220
215
225
220
215
220
215
210



44.17
L.F. = 9.8
C.F. = 0.0
Manip. = 0.0
Cut = 50.2

Sta. 7+05.83
L.F. = 27.3
C.F. = 0.0
Manip. = 0.0
Cut = 43.8

55.83

50
L.F. = 43.0
C.F. = 0.0
Manip. = 0.0
Cut = 19.6

50
L.F. = 75.5
C.F. = 0.0
Manip. = 8.1
Cut = 4.9

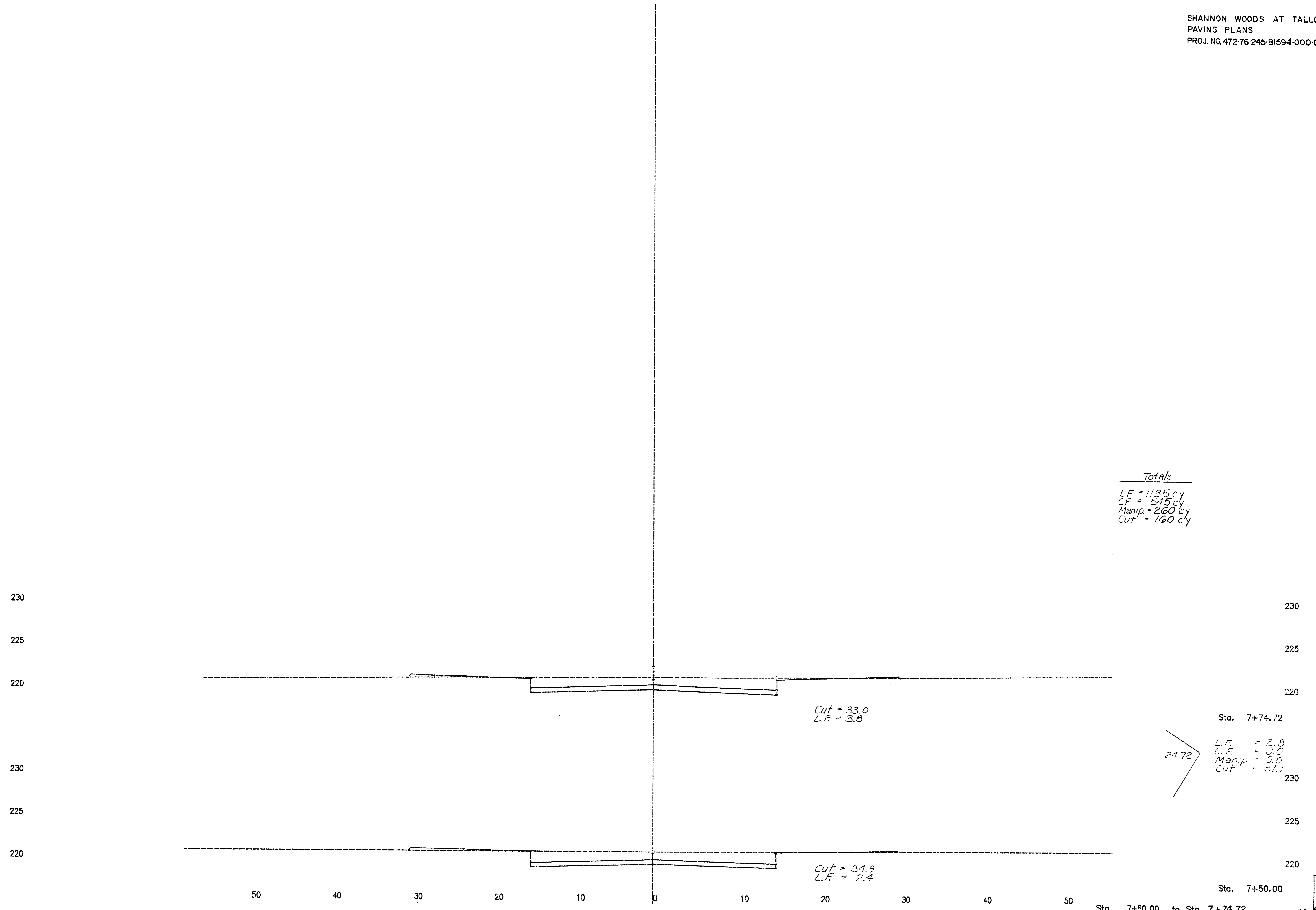
50
L.F. = 99.3
C.F. = 13.2
Manip. = 22.1
Cut = 0.0

Sta. 5+00.00 to Sta. 7+05.83
LAKEPOINT 69-27-113E

50 40 30 20 10 0 10 20 30 40 50

18
23

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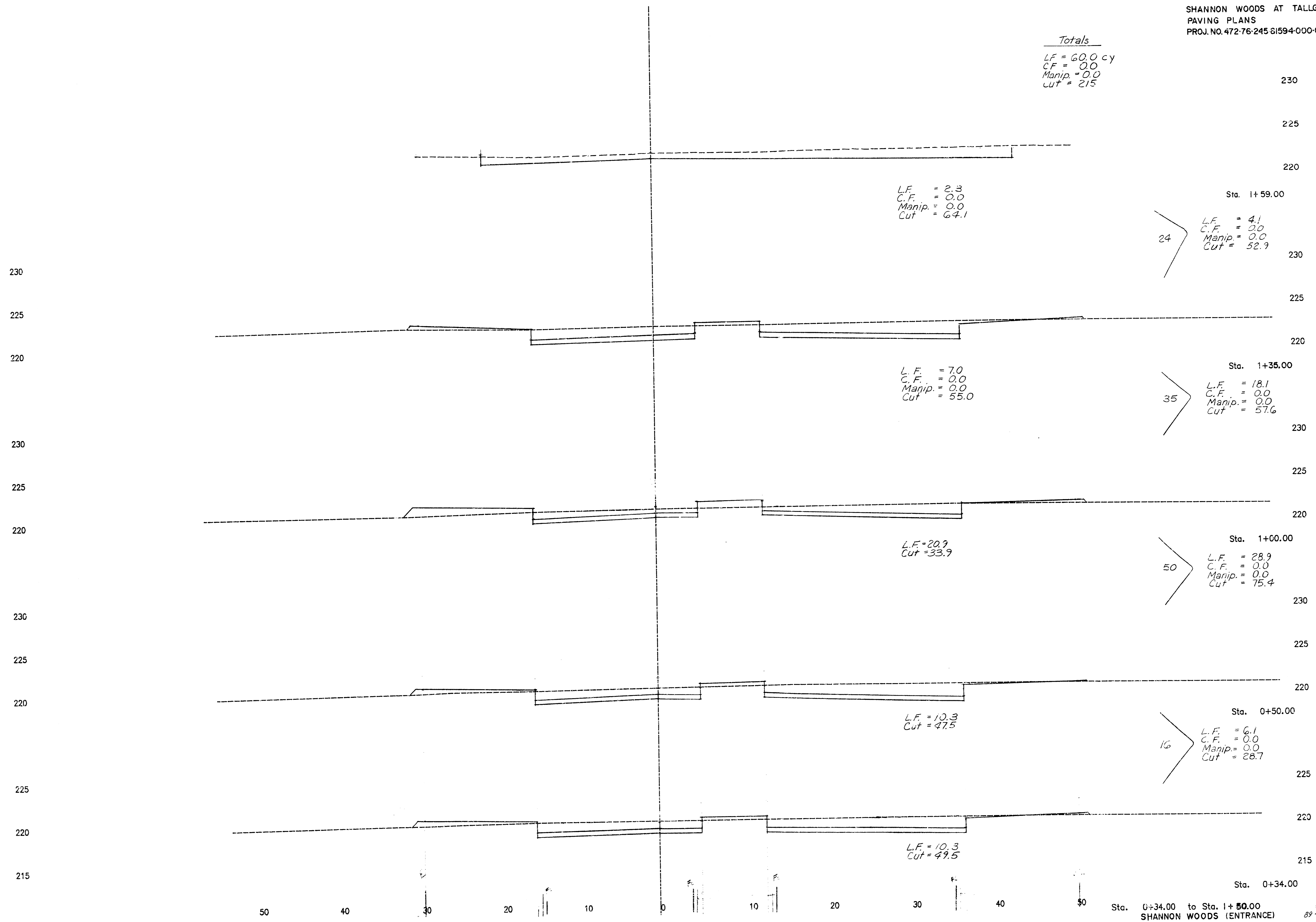


Sta. 7+50.00 to Sta. 7+74.72
 LAKEPOINT 89-27-113 E

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SHANNON WOODS AT TALLGRASS
PAVING PLANS
PROJ. NO. 472-76-245 61594-000-000-001

Totals
L.F. = 60.0 cy
C.F. = 0.0
Manip. = 0.0
Cut = 215

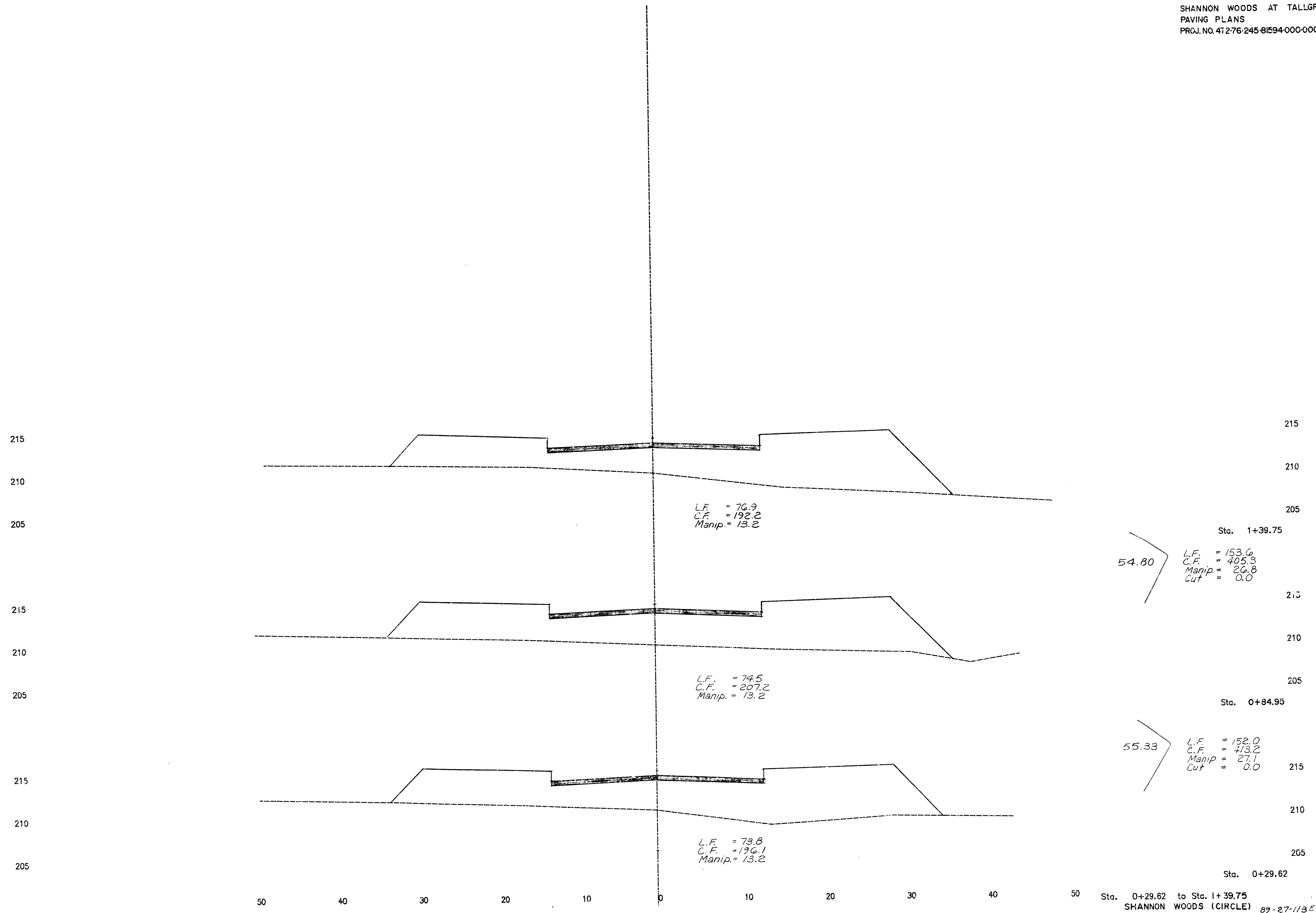


Sta. 0+34.00 to Sta. 1+50.00
SHANNON WOODS (ENTRANCE)

20
23

89-27-113 E

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54.80

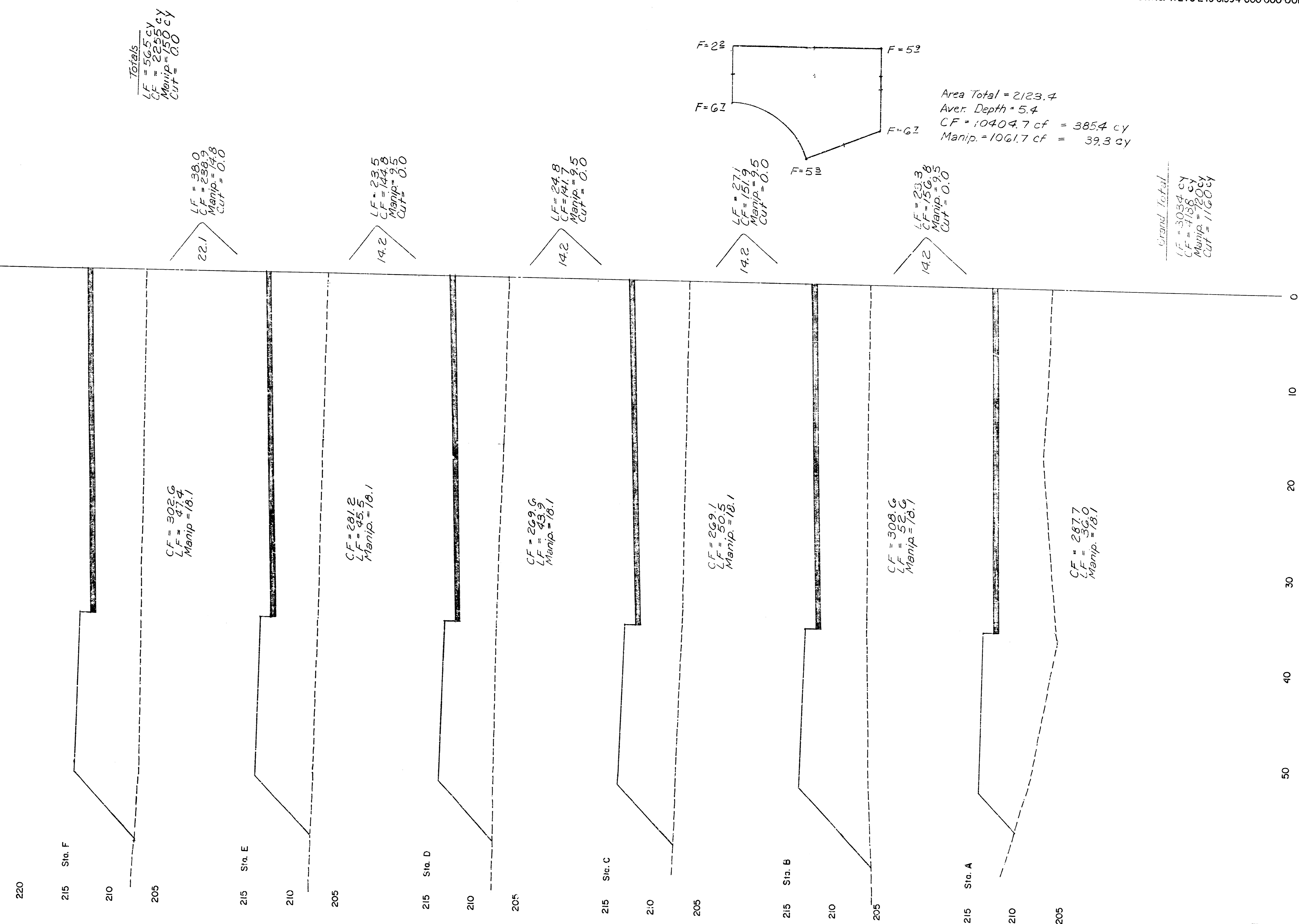
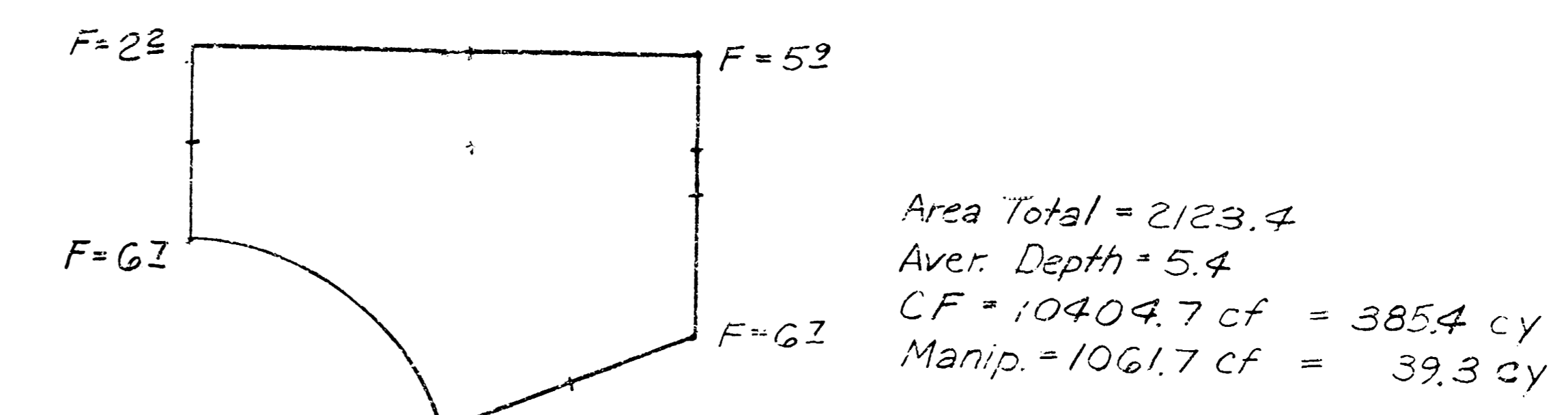
55.33

21
23

Sta. 0+29.62 to Sta. 1+39.75
 SHANNON WOODS (CIRCLE) 89-27-113E

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Totals
 LF = 565.1
 CF = 2250.0 cy
 Manip = 150.0 cy
 Cut = 0.0

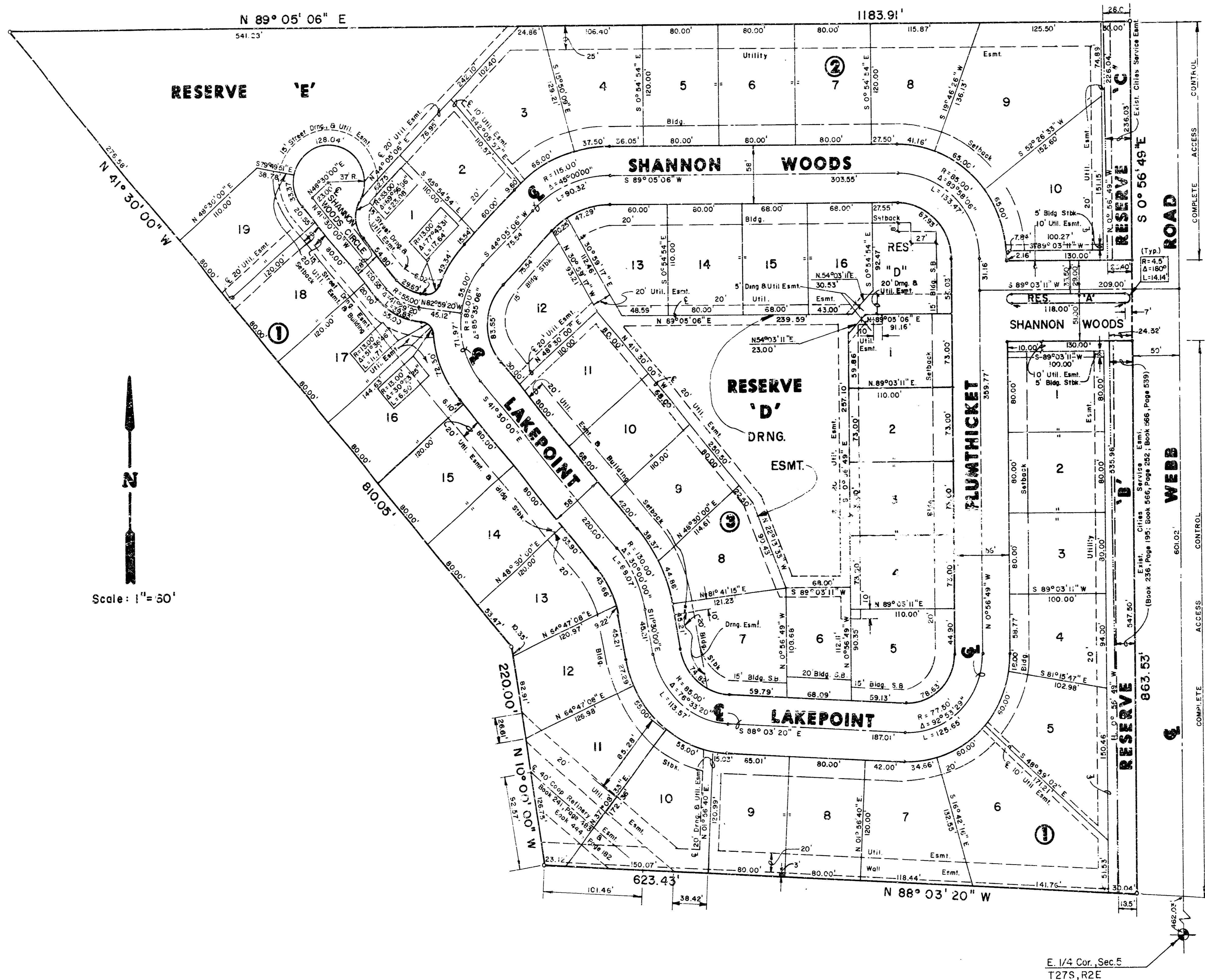


22
 23

SHANNON WOODS CIRCLE CUL-DE-SAC BULB
 89-27-113 E

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FINAL PLAT OF
SHANNON WOODS AT TALLGRASS
 AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



I, Kenneth H. Bengtson, a Civil Engineer and Registered Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "Shannon Woods at Tallgrass" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Streets and Reserves, the same being accurately set forth in the accompanying plat and described herein:

A replat of DEER RUN, an addition to Wichita, Sedgwick County, Kansas.

All Lots, Blocks, Streets (except Webb Road right of way), Easements and Building setbacks are hereby vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this ___ day of ___, 1989.

Kenneth H. Bengtson, P.E.
 Mid-Kansas Engineering Consultants, P.A.
 3500 N. Rock Road, Building #800
 Wichita, KS 67226

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineer's and Registered Land Surveyor's Certificate, have caused the same to be surveyed and platted into Lots, Blocks, Reserves, and Streets, the same to be known as Shannon Woods at Tallgrass, an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Reserves A, B, C, and E are platted for the construction and maintenance of drainage. Reserves A, B, and C are also platted for walls, entry monuments, irrigation systems, and landscaping. Reserve D is platted for landscaping, walks, gazebos, swimming pools and related structures, and irrigation systems. The Reserves shall be owned and maintained by the Homeowners Association. Easements for the construction and maintenance of public utilities, drainage and streets as indicated on the accompanying plat, are hereby granted. The 3.00 foot wall easement, as indicated on the accompanying plat, are granted for the purpose of construction and maintenance of a private wall. Utilities may cross the wall. All abutters rights of access to and from Webb Road over and across the East Lines of Reserves B and C are hereby granted to the City of Wichita, Kansas.

B.B.B.R. CORPORATION
 By: Jay W. Russell

STATE OF KANSAS)
) ss:
 SEDGWICK COUNTY)

Be it remembered that on this ___ day of ___, 1989, before me a Notary Public in and for said State and County, came Jay W. Russell for B.B.B.R. Corporation to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

_____, Notary Public

My Appointment Expires: _____

This plat of "Shannon Woods at Tallgrass" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this ___ day of ___, 1989.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

_____, Chairman
 Sue L. Crockett

_____, Secretary
 Marvin S. Kroust

This plat approved and all dedications shown hereon, if any, accepted by the City Council of the City of Wichita, Kansas, this ___ day of ___, 1989.

_____, Mayor
 Bob Knight

_____, City Clerk
 John Motz

Entered on transfer record this ___ day of ___, 1989.

_____, County Clerk
 Don Wright

STATE OF KANSAS)
) ss:
 SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this ___ day of ___, 1989.

_____, Register of Deeds
 Pat Kettler

_____, Deputy
 Ed Resa