

CITY OF WICHITA, KANSAS

STREET IMPROVEMENTS

(WEST MAPLE STREET)

EAST LINE ROBIN ROAD TO 360' W. OF W.L. BRUNSWICK

MICHAEL E. LINDEBAK, CITY ENGINEER

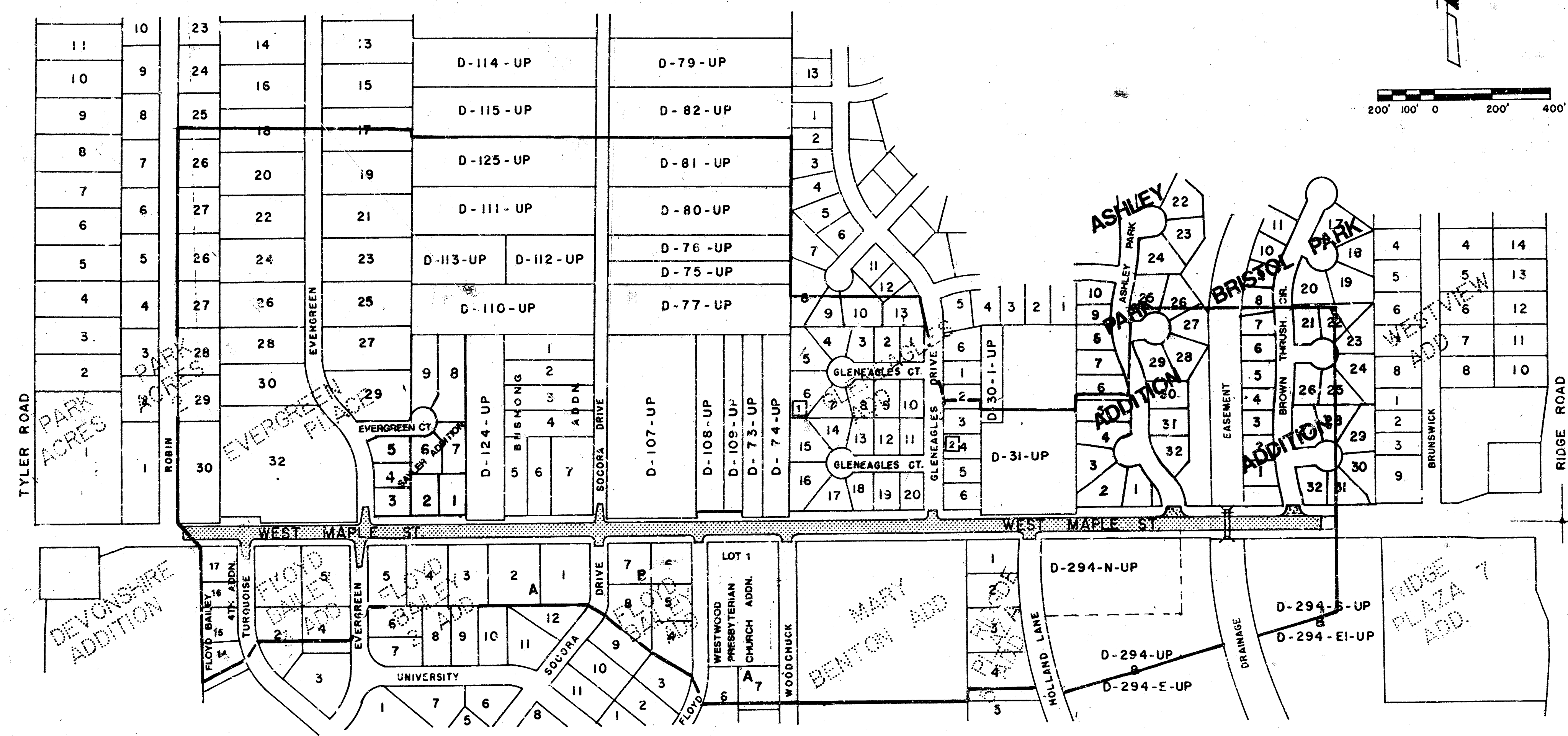
PHASE II LANDSCAPING PLAN

PROJ. NO. 472-76-245-81638-000-000-001

INDEX NO. 705327

GENERAL NOTES

1. INFORMATION SHOWN ON PLANS NOT DIRECTLY RELATED TO THE TREE PLANTINGS IS NOT A PART OF THIS CONTRACT AND SHALL BE CONSIDERED AS DELETED.
2. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO A CONDITION ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
3. EXACT LOCATION FOR TREE PLANTINGS TO BE DETERMINED BY THE ENGINEER.
4. LANDSCAPE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL (INCLUDING SANITARY SEWERS). UTILITIES CAN BE FLAGGED BY CALLING 687-2470.
5. TREES SHALL BE ORNAMENTAL TYPE (SPRINGSNOW CRABAPPLE, HAWTHORNE, CHANTICLEER PEAR & GOLDEN RAINTREE) AND RANGE IN SIZE FROM 2-1/2" TO 3". TREES SHALL BE BALLED AND BAGGED.



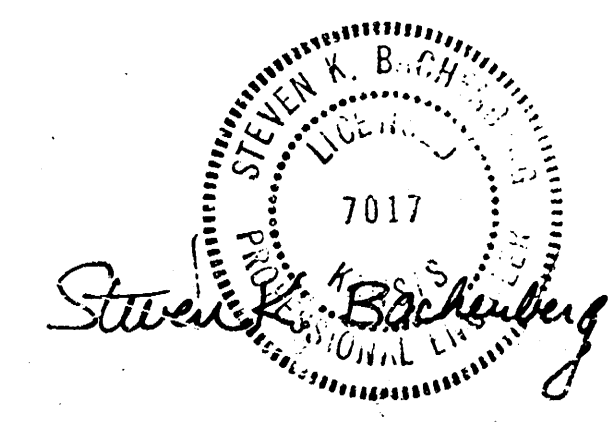
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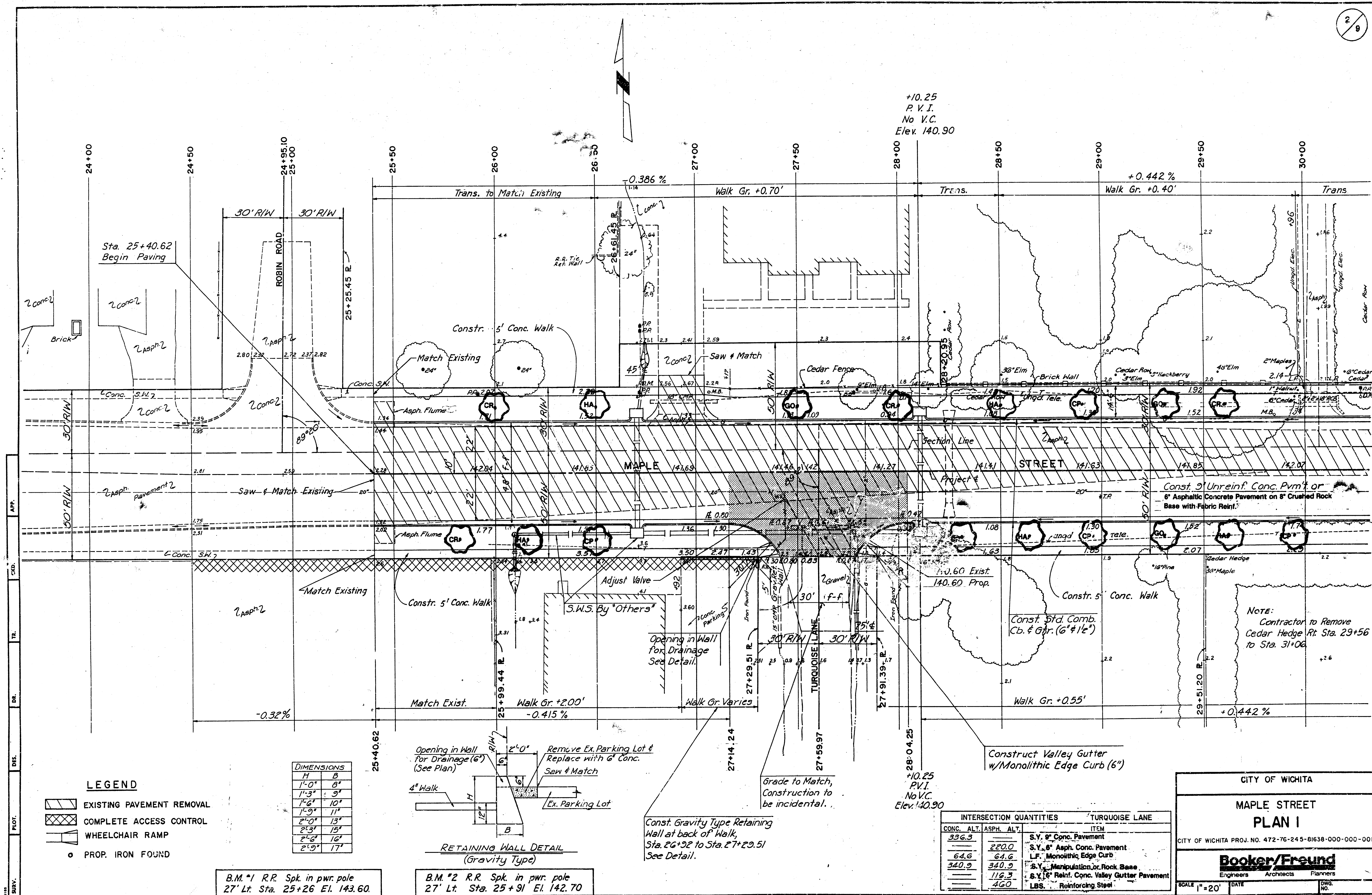
SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2-8	PLAN (TREE LOCATIONS)
9.	TREE PLANTING SCHEDULE with DETAILS

PLANS PREPARED BY

Booker/Freund
Engineers Architects Planners

WICHITA, KANSAS





LEGEND

- EXISTING PAVEMENT REMOVAL
- COMPLETE ACCESS CONTROL
- WHEELCHAIR RAMP
- PROP. IRON FOUND

DIMENSIONS

H	B
1'-0"	8"
1'-3"	9"
1'-6"	10"
1'-9"	11"
2'-0"	13"
2'-3"	15"
2'-6"	16"
2'-9"	17"

RETAINING WALL DETAIL (Gravity Type)

B.M. #1 R.R. Spk. in pwr. pole
27' Lt. Sta. 25+26 El. 143.60

B.M. #2 R.R. Spk. in pwr. pole
27' Lt. Sta. 25+91 El. 142.70

INTERSECTION QUANTITIES

CONC. ALT. ASPH. ALT.		TURQUOISE LANE	
ITEM	QUANTITY	ITEM	QUANTITY
S.Y. 9" Conc. Pavement	220.0	S.Y. 9" Conc. Pavement	220.0
S.Y. 8" Asph. Conc. Pavement	64.6	S.Y. 8" Asph. Conc. Pavement	64.6
L.F. Monolithic Edge Curb	340.9	L.F. Monolithic Edge Curb	340.9
S.Y. Manipulation Rock Base	116.3	S.Y. Manipulation Rock Base	116.3
S.Y. 6" Reinf. Conc. Valley Gutter Pavement	46.0	S.Y. 6" Reinf. Conc. Valley Gutter Pavement	46.0
LBS. Reinforcing Steel		LBS. Reinforcing Steel	

CITY OF WICHITA

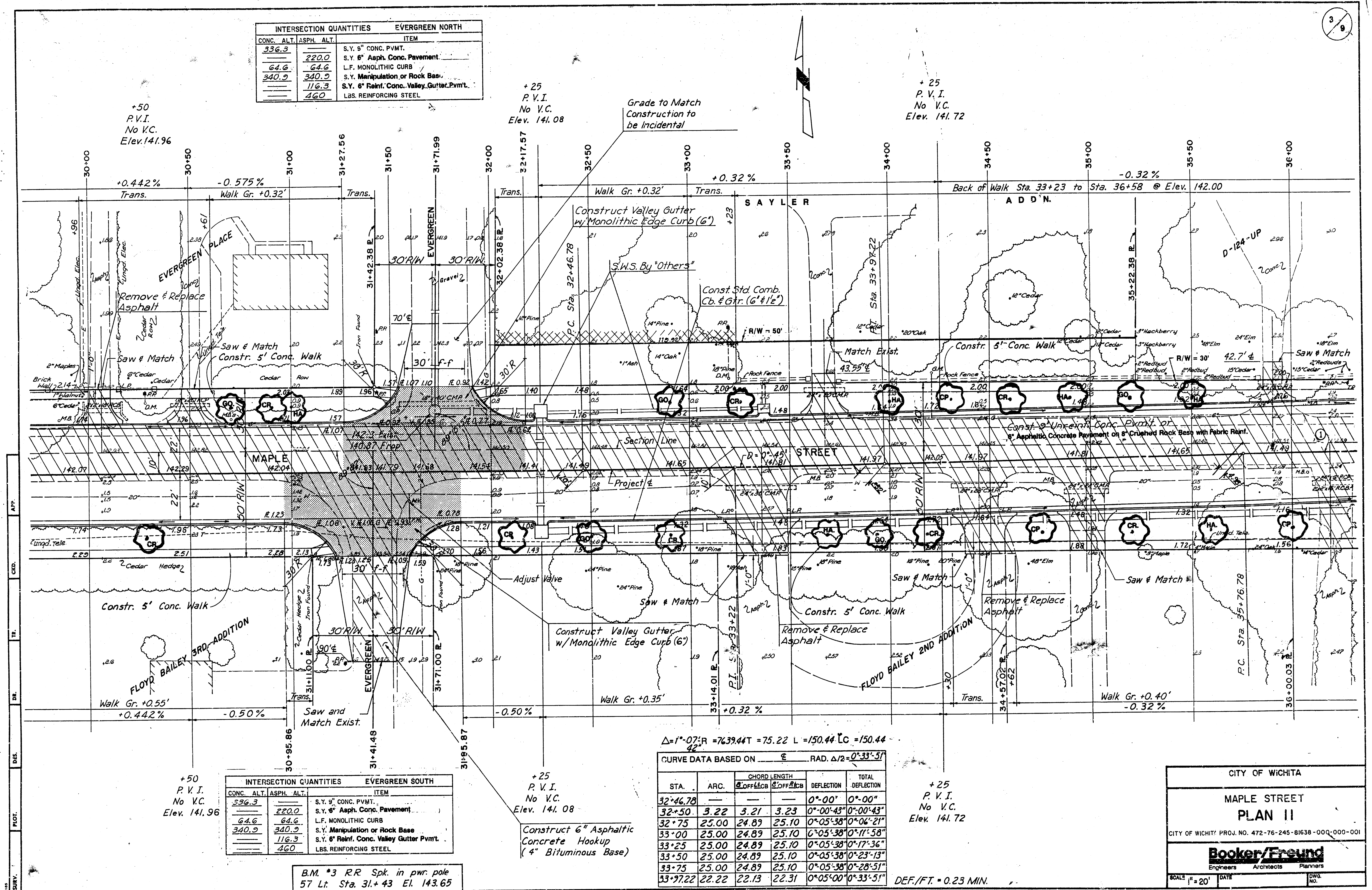
MAPLE STREET
PLAN I

CITY OF WICHITA PROJ. NO. 472-76-245-81638-000-003-001

Booker/Freund
Engineers Architects Planners

SCALE 1"=20' DATE DWG. NO.

INTERSECTION QUANTITIES		EVERGREEN NORTH	
CONC.	ALT.	ASPH.	ALT.
336.3	220.0		
64.6	64.6		
340.9	340.9		
	116.3		
	460		
		ITEM	
		S.Y. 9" CONC. PVMT.	
		S.Y. 6" ASPH. CONC. PAVEMENT	
		L.F. MONOLITHIC CURB	
		S.Y. MANIPULATION OR ROCK BASE	
		S.Y. 6" REINF. CONC. VALLEY GUTTER PVMT.	
		LBS. REINFORCING STEEL	



$$\Delta = 1^{\circ} - 07' R = 7639.44T = 75.22 L = 150.44 LC = 150.44$$

CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\Delta/2 = 0^{\circ} 33' 51"$

STA.	ARC.	CHORD LENGTH	CHORD BEARS	DEFLECTION	TOTAL DEFLECTION
32+46.78				0° 00' 00"	0° 00' 00"
32+50	3.22	3.21	3.23	0° 00' 43"	0° 00' 43"
32+75	25.00	24.89	25.10	0° 05' 38"	0° 06' 21"
33+00	25.00	24.89	25.10	0° 05' 38"	0° 11' 58"
33+25	25.00	24.89	25.10	0° 05' 38"	0° 17' 36"
33+50	25.00	24.89	25.10	0° 05' 38"	0° 23' 13"
33+75	25.00	24.89	25.10	0° 05' 38"	0° 28' 51"
33+97.22	22.22	22.13	22.31	0° 05' 00"	0° 33' 51"

+25
P.V.I.
No V.C.
Elev. 141.72

DEF./FT. = 0.23 MIN.

CITY OF WICHITA	
MAPLE STREET PLAN II	
CITY OF WICHITA PROJ. NO. 472-76-245-81638-000-000-001	
Booker/Freund	
Engineers	Architects
Planners	
SCALE 1" = 20'	DATE
DWG. NO.	

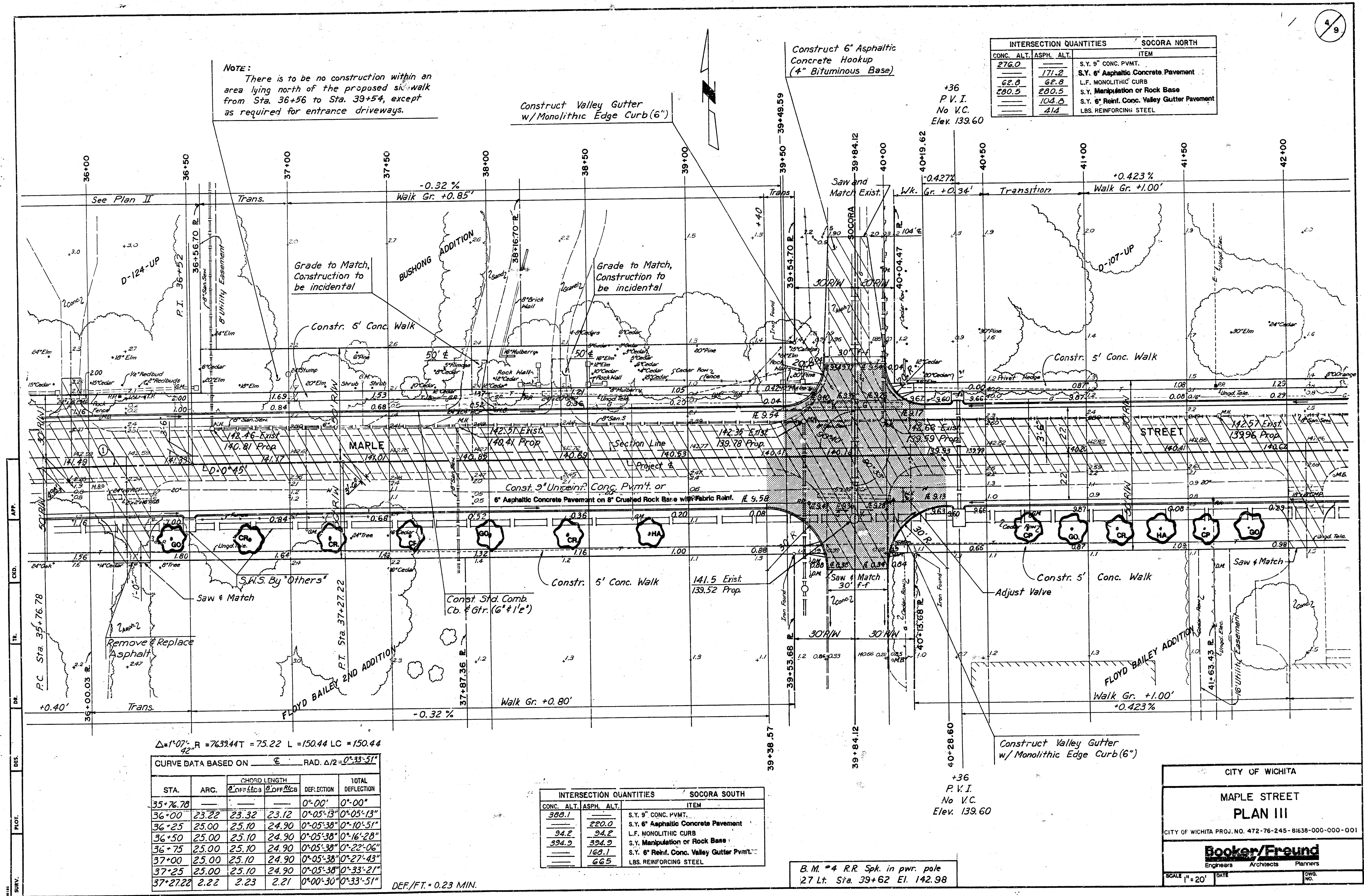
NOTE:
There is to be no construction within an area lying north of the proposed sidewalk from Sta. 36+56 to Sta. 39+54, except as required for entrance driveways.

Construct Valley Gutter w/ Monolithic Edge Curb (6")

Construct 6" Asphaltic Concrete Hookup (4" Bituminous Base)

INTERSECTION QUANTITIES		SOCORA NORTH	
CONC. ALT.	ASPH. ALT.	ITEM	
276.0	171.2	S.Y. 9" CONC. PVMT.	
62.8	62.8	S.Y. 6" Asphaltic Concrete Pavement	
280.5	280.5	L.F. MONOLITHIC CURB	
	104.8	S.Y. Manipulation or Rock Base	
	414	S.Y. 6" Reinf. Conc. Valley Gutter Pavmt.	
		LBS. REINFORCING STEEL	

+36
P.V.I.
No V.C.
Elev. 139.60



$\Delta=1^{\circ}07'$, $R=7639.44$ $T=75.22$ $L=150.44$ $LC=150.44$
 $\Delta/2=0^{\circ}33'51''$

CURVE DATA BASED ON		E		RAD. $\Delta/2=0^{\circ}33'51''$	
STA.	ARC.	CHORD LENGTH	CHORD BEARS	DEFLECTION	TOTAL DEFLECTION
35+76.78				0°00'	0°00'
36+00	23.22	23.32	23.12	0°05'13"	0°05'13"
36+25	25.00	25.10	24.90	0°05'38"	0°10'51"
36+50	25.00	25.10	24.90	0°05'38"	0°16'28"
36+75	25.00	25.10	24.90	0°05'38"	0°22'06"
37+00	25.00	25.10	24.90	0°05'38"	0°27'43"
37+25	25.00	25.10	24.90	0°05'38"	0°33'21"
37+27.22	2.22	2.23	2.21	0°00'50"	0°33'51"

DEF/FT = 0.23 MIN.

INTERSECTION QUANTITIES		SOCORA SOUTH	
CONC. ALT.	ASPH. ALT.	ITEM	
388.1	220.0	S.Y. 9" CONC. PVMT.	
94.2	94.2	S.Y. 6" Asphaltic Concrete Pavement	
394.9	394.9	L.F. MONOLITHIC CURB	
	168.1	S.Y. Manipulation or Rock Base	
	665	S.Y. 6" Reinf. Conc. Valley Gutter Pavmt.	
		LBS. REINFORCING STEEL	

B.M. #4 R.R. Spk. in pwr. pole
27 Lt. Sta. 39+62 El. 142.98

+36
P.V.I.
No V.C.
Elev. 139.60

CITY OF WICHITA

MAPLE STREET
PLAN III

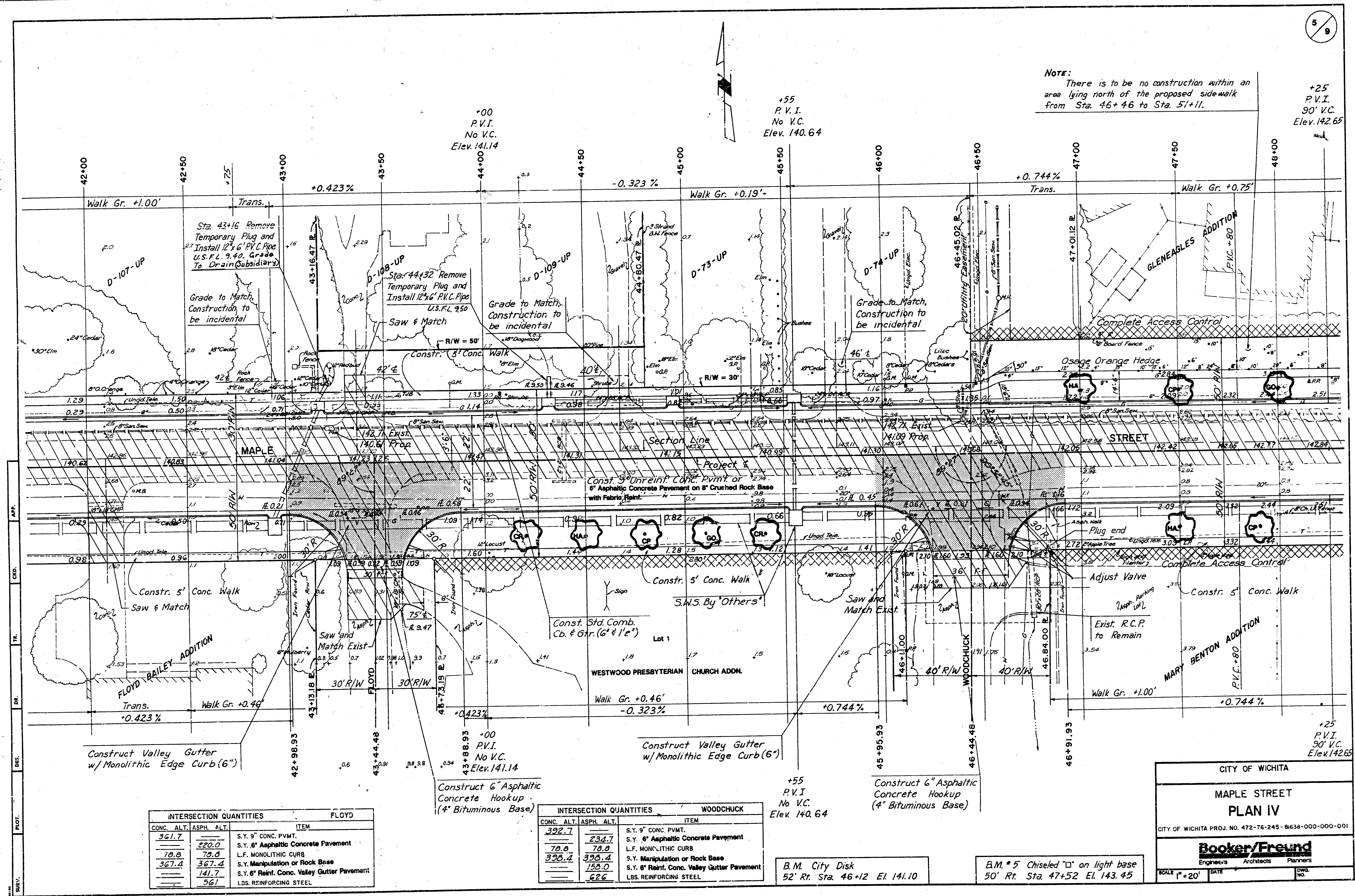
CITY OF WICHITA PROJ. NO. 472-76-245-81638-000-001

Booker/Freund
Engineers Architects Planners

SCALE 1"=20' DATE DWA NO.

NOTE:
There is to be no construction within an area lying north of the proposed sidewalk from Sta. 46+46 to Sta. 51+11.

+25
P.V.I.
90' V.C.
Elev. 142.65



Construct Valley Gutter w/ Monolithic Edge Curb (6")

+00
P.V.I.
No V.C.
Elev. 141.14

Construct 6" Asphaltic Concrete Hookup (4" Bituminous Base)

+55
P.V.I.
No V.C.
Elev. 140.64

Construct 6" Asphaltic Concrete Hookup (4" Bituminous Base)

+25
P.V.I.
90' V.C.
Elev. 142.65

INTERSECTION QUANTITIES			FLOYD
CONC.	ALT.	ASPH.	ALT.
361.7			
	220.0		
78.8			
367.4			
	141.7		
	561		
ITEM			
S.Y. 9" CONC. PVMT.			
S.Y. 6" Asphaltic Concrete Pavement			
L.F. MONOLITHIC CURB			
S.Y. Manipulation or Rock Base			
S.Y. 6" Reinf. Conc. Valley Gutter Pavement			
LBS. REINFORCING STEEL			

INTERSECTION QUANTITIES			WOODCHUCK
CONC.	ALT.	ASPH.	ALT.
392.7			
	234.7		
78.8			
398.4			
	158.0		
	626		
ITEM			
S.Y. 9" CONC. PVMT.			
S.Y. 6" Asphaltic Concrete Pavement			
L.F. MONOLITHIC CURB			
S.Y. Manipulation or Rock Base			
S.Y. 6" Reinf. Conc. Valley Gutter Pavement			
LBS. REINFORCING STEEL			

B.M. City Disk
52' Rr. Sta. 46+12 El. 141.10

B.M. #5 Chiseled "D" on light base
50' Rr. Sta. 47+52 El. 143.45

CITY OF WICHITA

MAPLE STREET
PLAN IV

CITY OF WICHITA PROJ. NO. 472-76-245-81638-000-000-001

Booker/Freund
Engineers Architects Planners

SCALE 1" = 20' DATE _____ DWG. NO. _____

[illegible]

INTERSECTION QUANTITIES		ASHLEY PARK
CONC. ALT.	ASPH. ALT.	ITEM
508.1	—	S.Y. 9" Conc. Pavmt'
—	268.9	S.Y. 6" Asph. Conc. Pavement
34.2	94.2	L.F. Monolithic Edge Curb
514.2	514.2	S.Y. Manipulation or Rock Base
—	230.2	S.Y. 6" Reinf. Conc. Valley Gutter Pavmt'
—	105.2	lbs. Reinforcing Steel

INTERSECTION QUANTITIES		HOLLAND LANE
CONC. ALT.	ASPH. ALT.	ITEM
413.4	—	S.Y. 9" CONC. PVMT.
—	244.4	S.Y. 6" Asph. Conc. Pavement
78.8	78.8	L.F. MONOLITHIC CURB
419.1	419.1	S.Y. Manipulation or Rock Base
—	169.0	S.Y. 6" Reinf. Conc. Valley Gutter Pavmt'
—	66.9	LBS. REINFORCING STEEL

B.M. #6 R.R. Spk. in pwr. pole
29' Lt. Sta. 55+55 El. 141.62

$$\Delta = 0^\circ 36' 28'' R = 11459.16T = 60.77 L = 121.53 LC = 121.53$$

CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\Delta/2 = 0^\circ 18' 14''$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
		OFF LCB	OFF RCB	
55+72.23	—	—	—	0° 00' 00"
55+75	2.77	2.76	2.78	0° 00' 25" 0° 00' 25"
56+00	25.00	24.93	25.07	0° 03' 25" 0° 04' 10"
56+25	25.00	24.93	25.07	0° 03' 25" 0° 07' 55"
56+50	25.00	24.93	25.07	0° 03' 25" 0° 11' 40"
56+75	25.00	24.93	25.07	0° 03' 25" 0° 15' 25"
56+93.76	18.77	18.00	18.82	0° 02' 49" 0° 18' 14"

DEF./FT. = 0.14 MIN.

$$\Delta = 0^\circ 36' 28'' R = 11459.16T = 60.77 L = 121.53 LC = 121.53$$

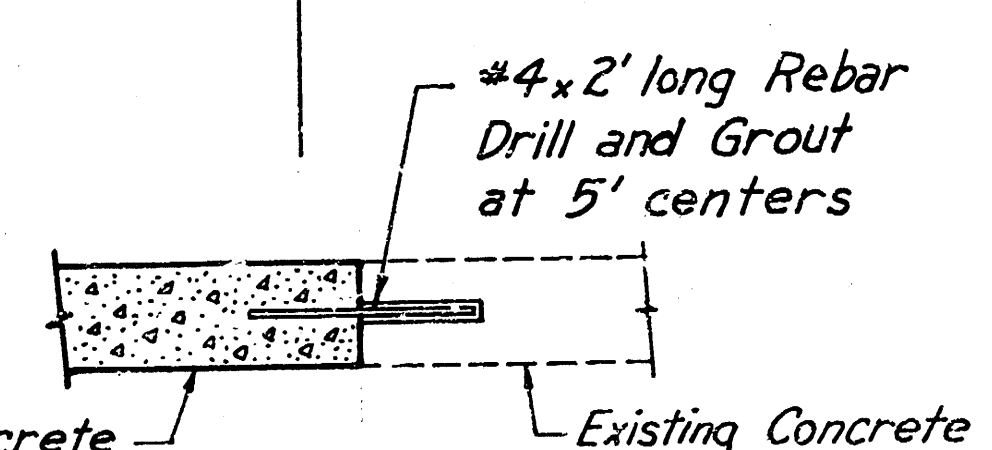
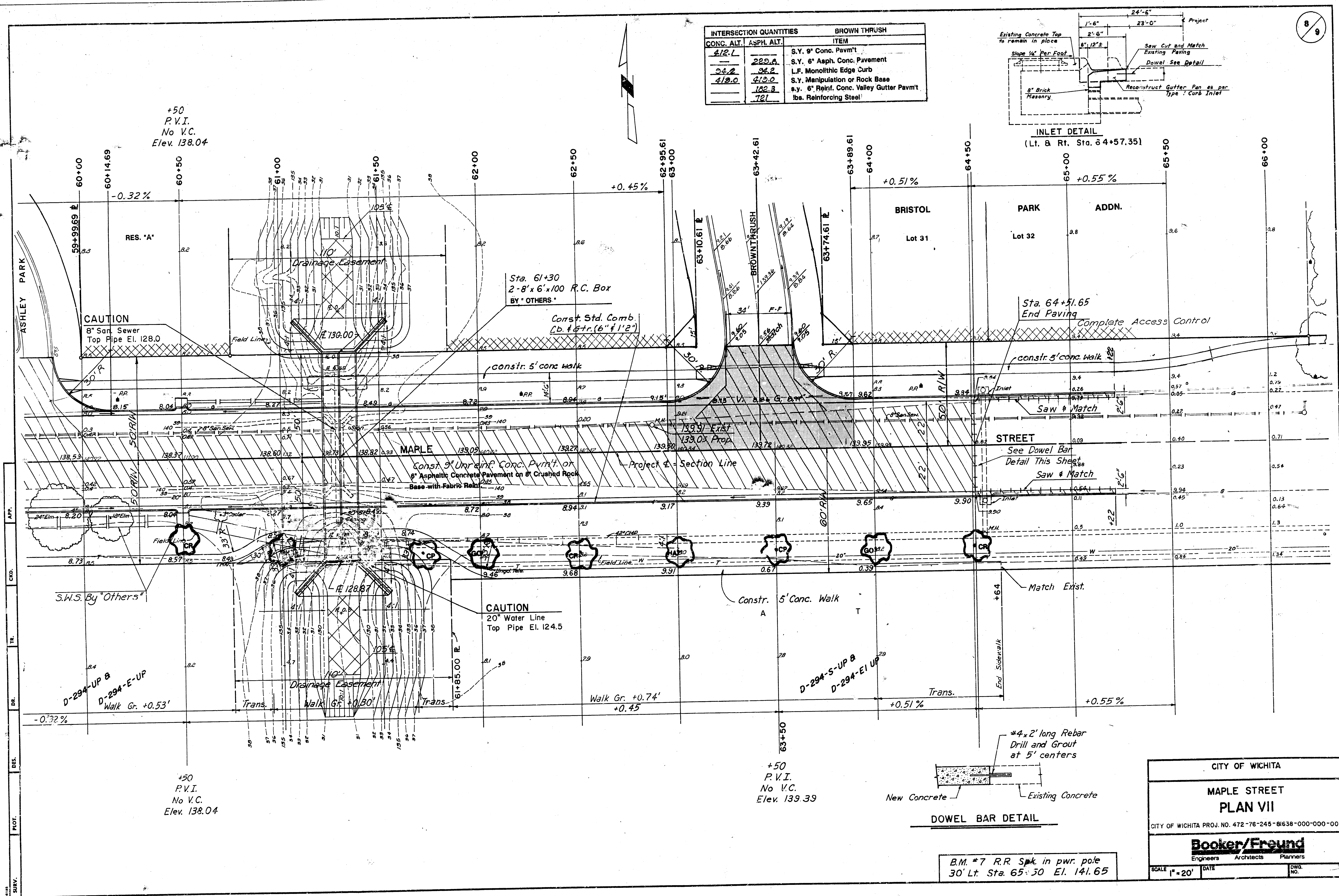
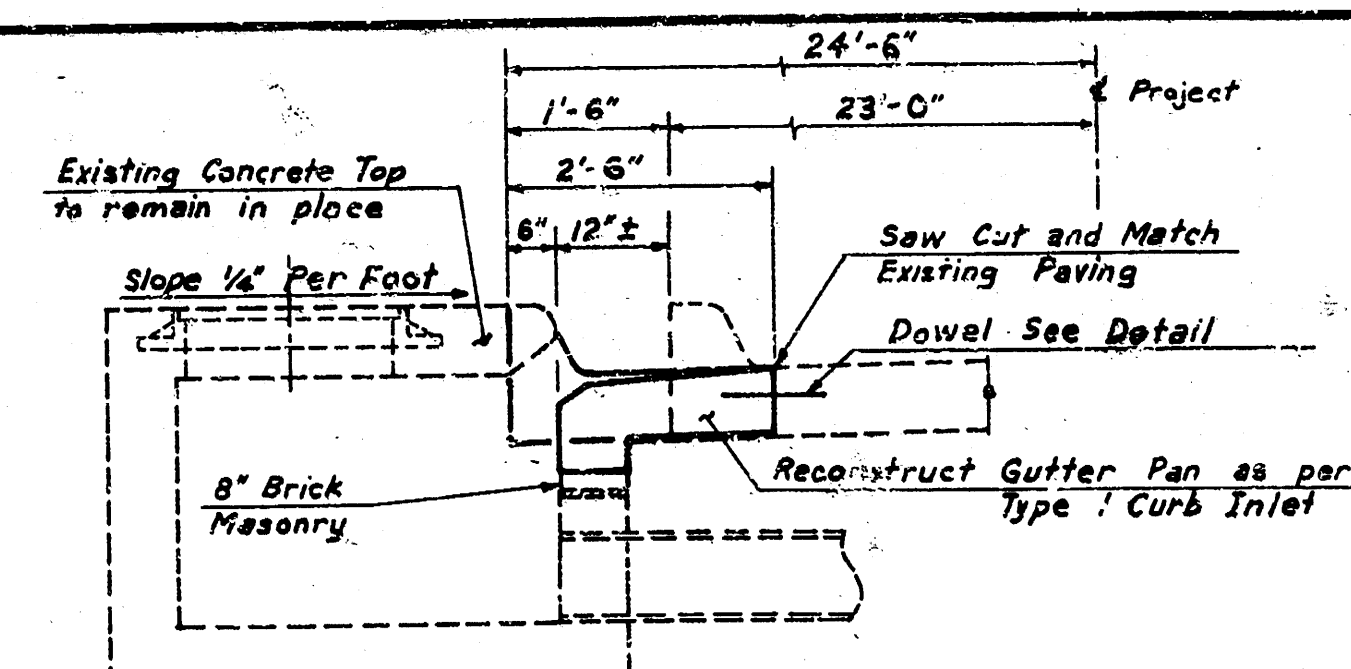
CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\Delta/2 = 0^\circ 18' 14''$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
		OFF LCB	OFF RCB	
59+02.24	—	—	—	0° 00' 00"
59+25	22.76	22.82	22.70	0° 03' 25" 0° 03' 25"
59+50	25.00	25.07	24.93	0° 03' 45" 0° 07' 10"
59+75	25.00	25.07	24.93	0° 03' 45" 0° 10' 55"
60+00	25.00	25.07	24.93	0° 03' 45" 0° 14' 40"
60+23.77	23.77	23.83	23.70	0° 03' 34" 0° 18' 14"

DEF./FT. = 0.14 MIN.

CITY OF WICHITA	
MAPLE STREET	
PLAN VI	
CITY OF WICHITA PROJ. NO. 472-76-245-81638-C00-000-001	
Booker/Freund	
Engineers	Architects
Planners	
SCALE 1" = 20'	DATE
	DRAWING NO.

INTERSECTION QUANTITIES		BROWN THRU	
CONC. ALT.	ASPH. ALT.	ITEM	
412.1	229.6	S.Y. 9" Conc. Pavmt	
34.2	34.2	S.Y. 6" Asphalt Conc. Pavement	
419.0	419.0	L.F. Monolithic Edge Curb	
	122.3	S.Y. Manipulation or Rock Base	
	721	s.y. 6" Reinf. Conc. Valley Gutter Pavmt	
		lbs. Reinforcing Steel	



CITY OF WICHITA

MAPLE STREET

PLAN VII

CITY OF WICHITA PROJ. NO. 472-76-245-BI638-000-000-001

Booker/Freund

Engineers Architects Planners

SCALE 1"=20' DATE _____ DWG. NO. _____

B.M. #7 R.R. Spk. in pwr. pole
30' Lt. Sta. 65+30 El. 141.65

FERTILIZER: A RATIO AND APPLICATION RATE THAT EQUALS OR EXCEEDS THE REQUIRED MINIMUM RATE PER ACRE OF N, P₂O₅, K₂O LISTED IN SUMMARY OF QUANTITIES WILL BE ACCEPTABLE.

Deciduous Trees: LARGER THAN 2 1/2" CALIBER
Evergreen Trees: LARGER THAN 6' HEIGHT NO SCALE

10-10-5-e