

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

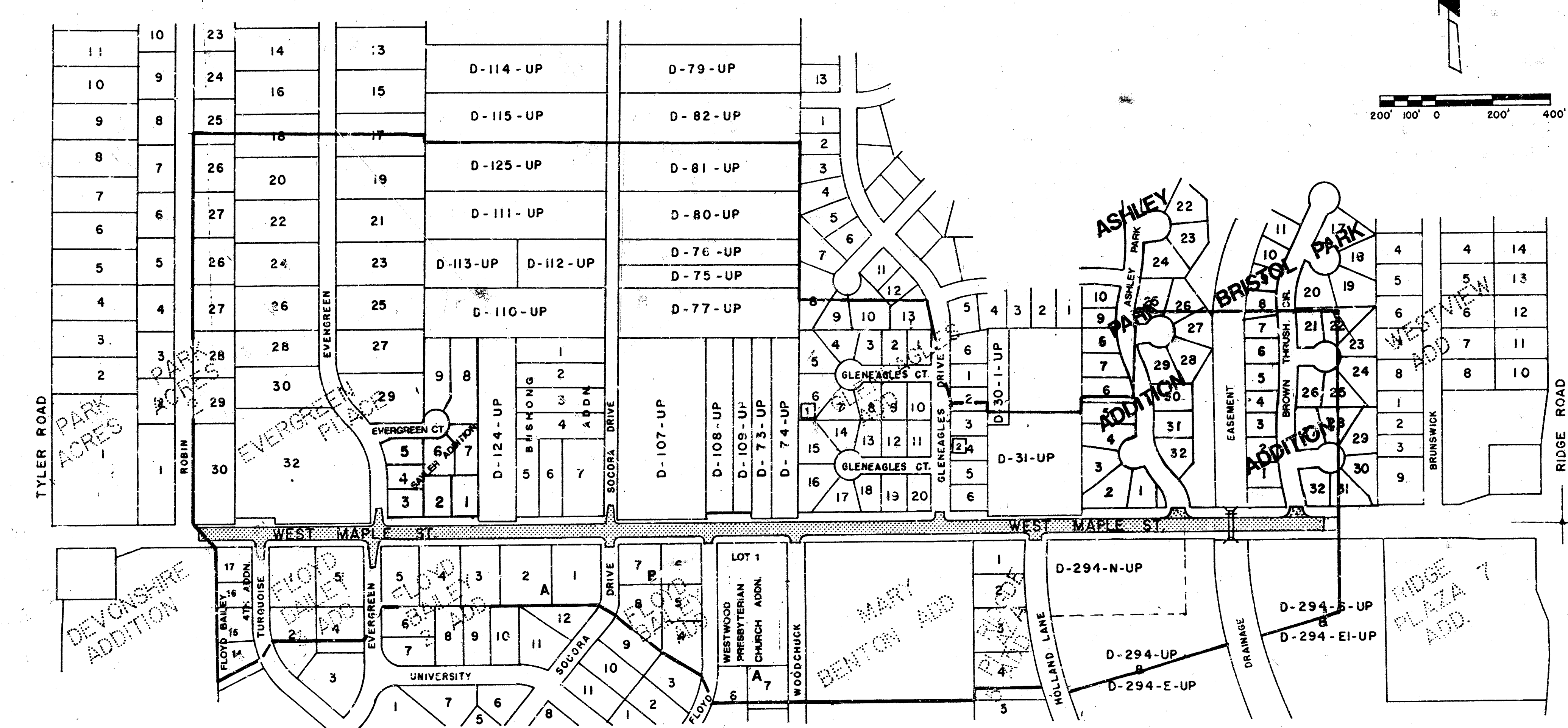
PHASE II LANDSCAPING PLAN

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.



INDEX

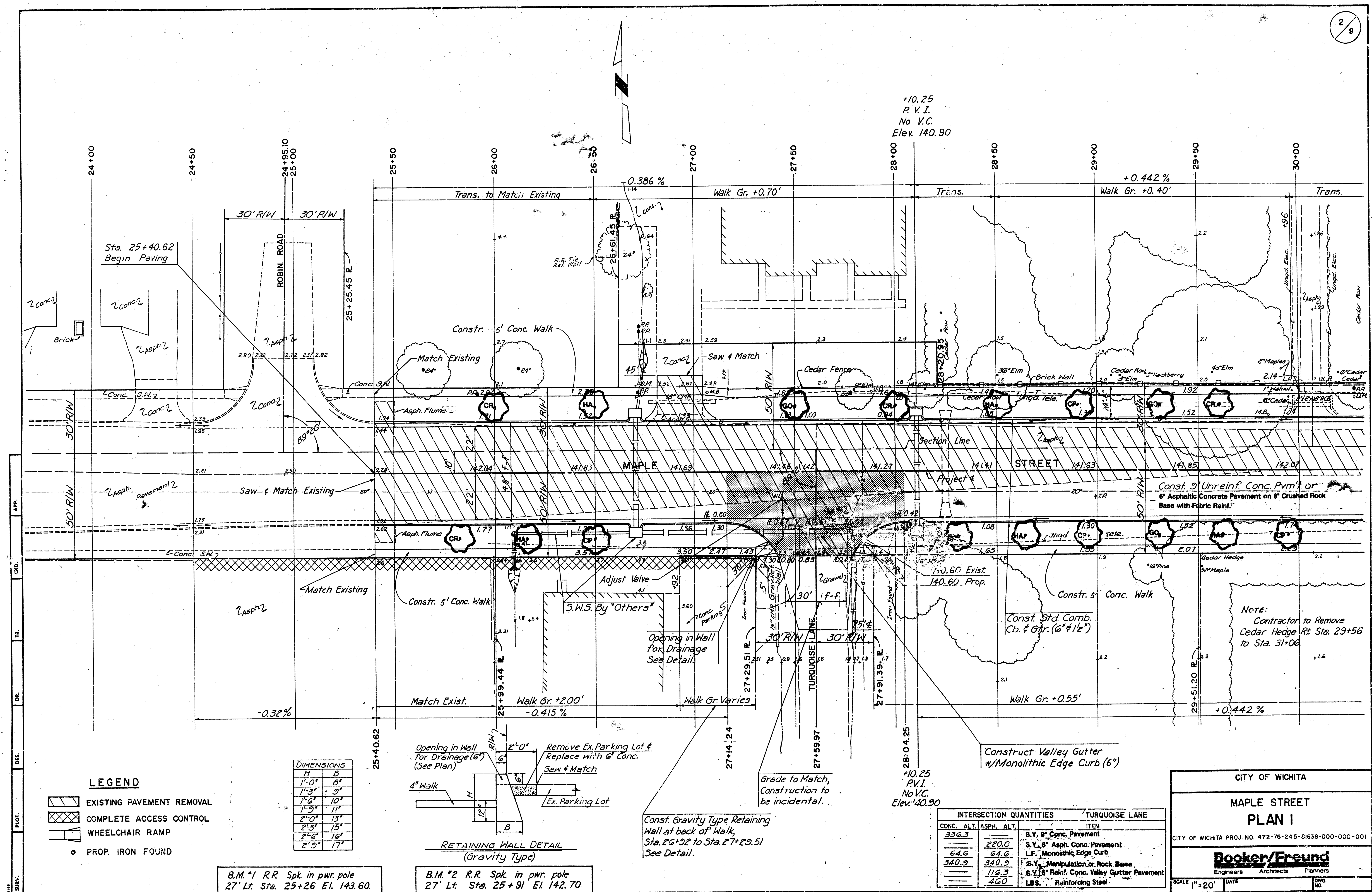
SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2-8	PLAN (TREE LOCATIONS)
9.	TREE PLANTING SCHEDULE with DETAILS

PLANS PREPARED BY

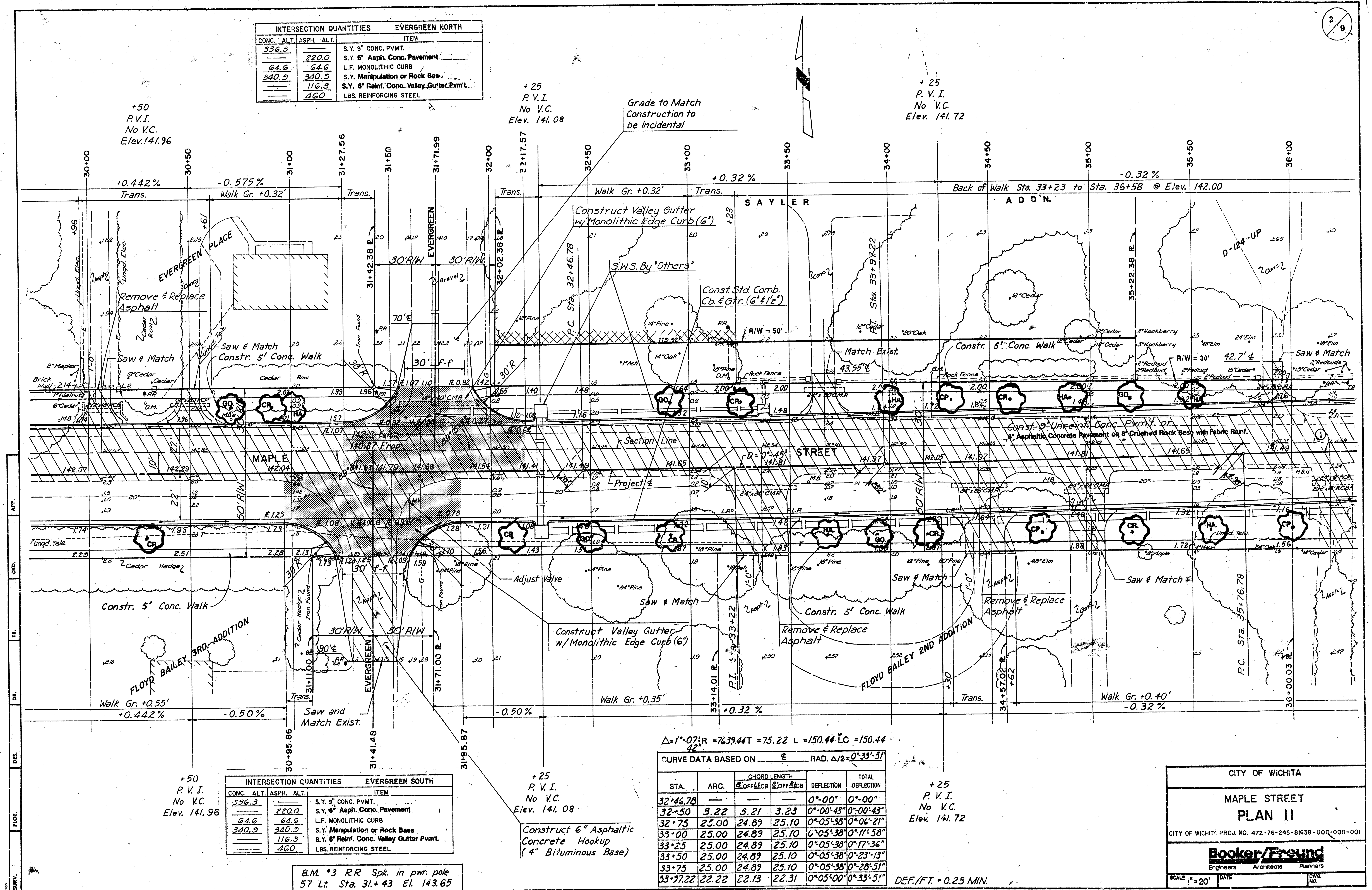
Booker/Freund
Engineers Architects Planners

WICHITA, KANSAS





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	



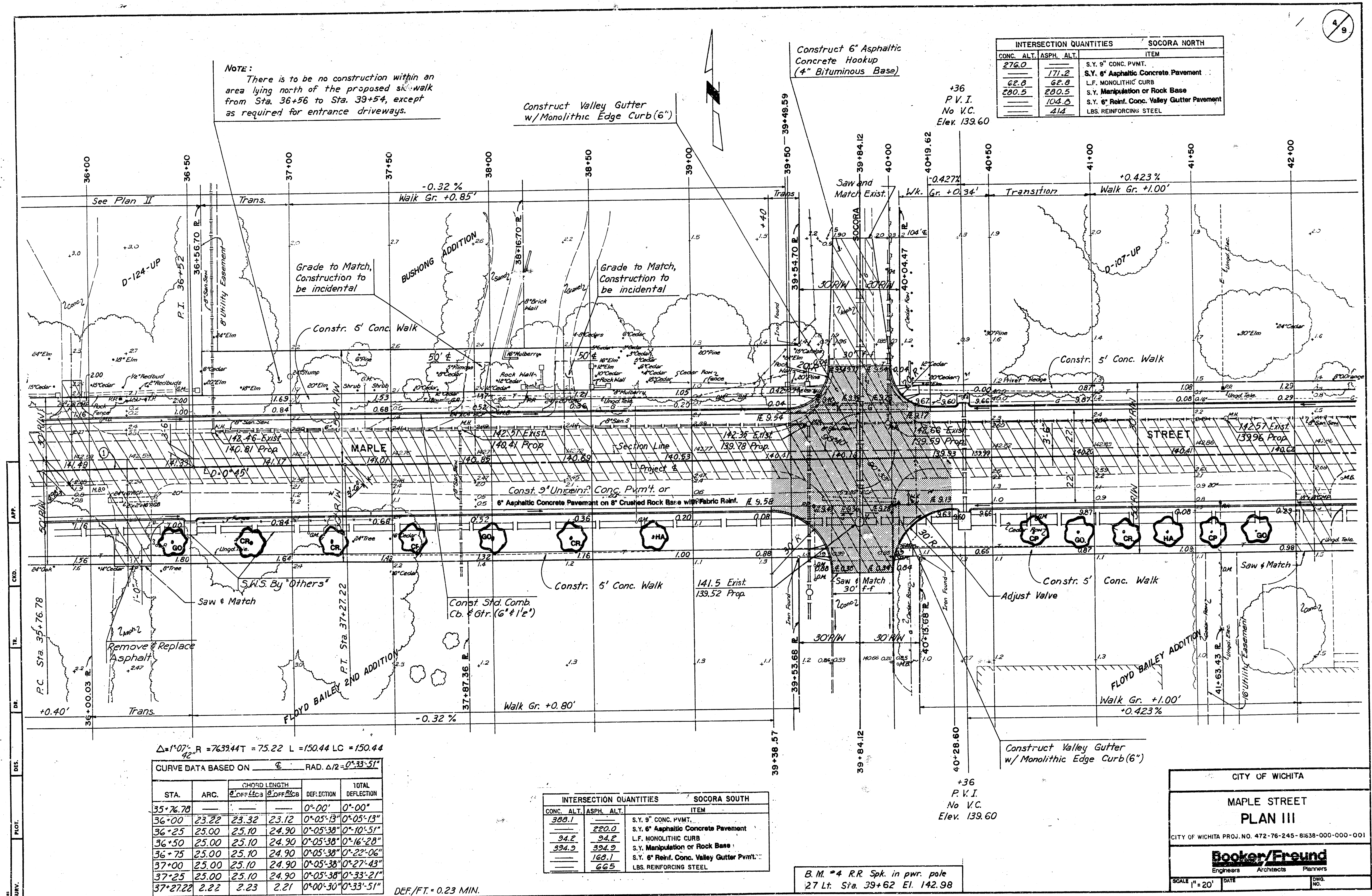
NOTE:
There is to be no construction within an area lying north of the proposed sidewalk from Sta. 36+56 to Sta. 39+54, except as required for entrance driveways.

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



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

CURVE DATA BASED ON $\frac{E}{42}$ 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

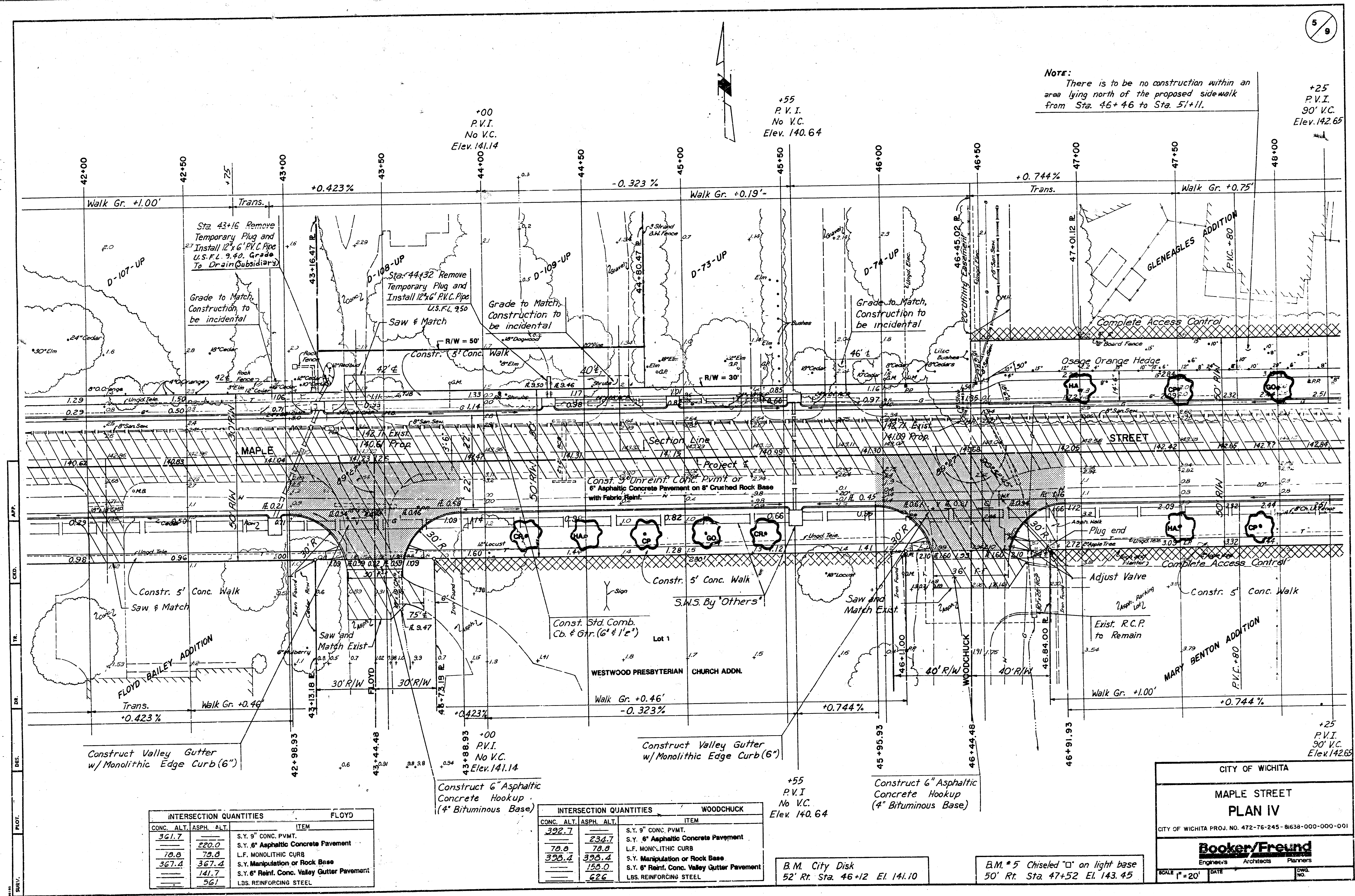
CITY OF WICHITA PROJ. NO. 472-76-245-81638-000-001

Booker/Freund
Engineers Architects Planners

SCALE 1" = 20' DATE _____ DWG. 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. _____

INTERSECTION QUANTITIES

GLENEAGLES		ITEM	
CONC.	ALT.	ASPH.	ALT.
412.1	229.8	S.Y. 9" CONC. P.V.M.T.	
94.2	94.2	S.Y. 6" ASPH. CONC. PAVEMENT	
419.0	419.0	L.F. MONOLITHIC CURB	
	182.3	S.Y. MANIPULATION OR ROCK BASE	
	721	S.Y. 6" REINF. CONC. VALLEY GUTTER PAVMT.	
		LBS. REINFORCING STEEL	

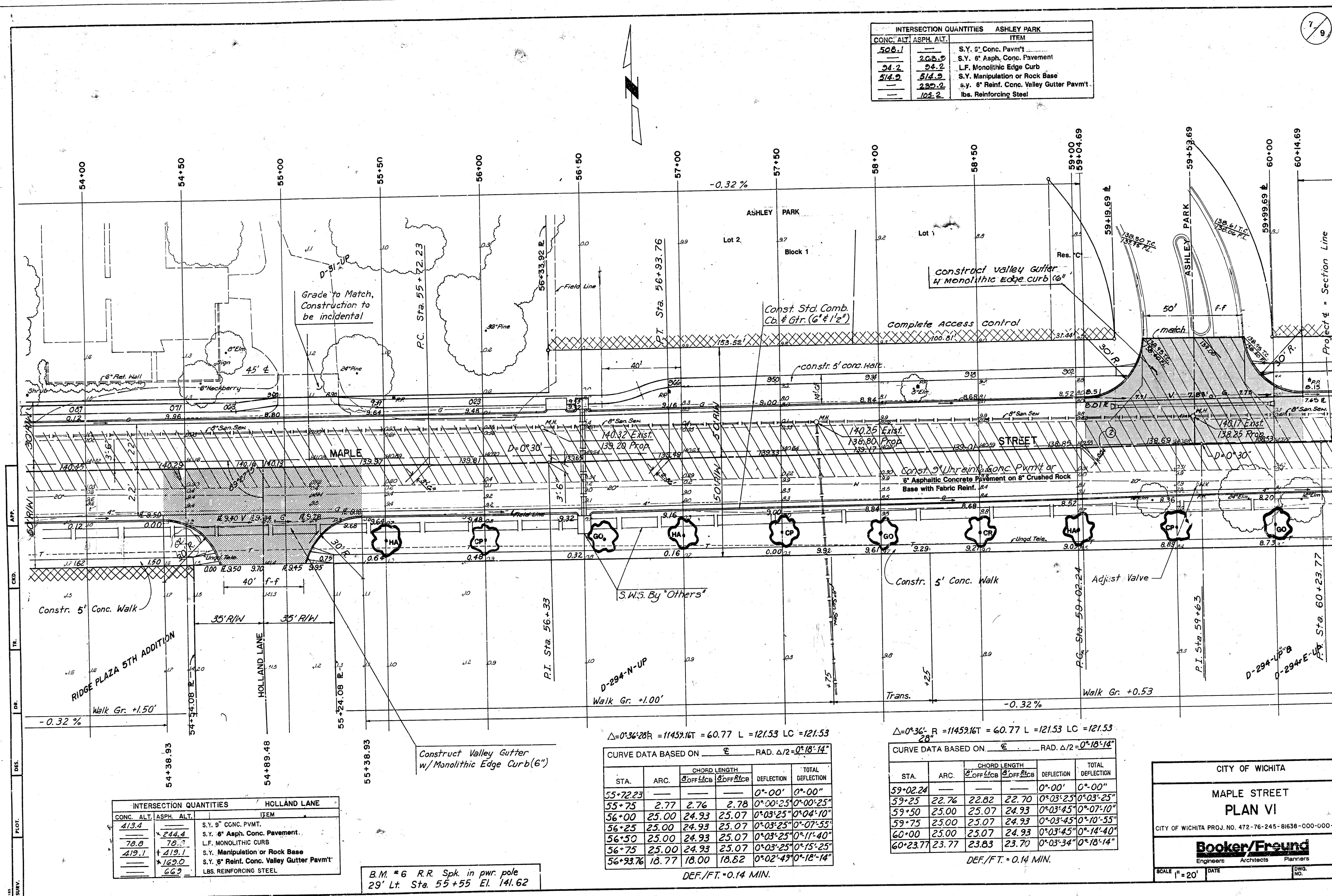
Maple Street Plan V Details:

- Vertical Curves:** +25 P.V.I. 90' V.C. Elev. 142.65; +08 P.V.I. No V.C. Elev. 140.74.
- Grades:** +0.744%, -0.50%, -0.32%.
- Proposed Construction:**
 - Construct Valley Gutter w/ Monolithic Edge Curb (6")
 - Const. Std. Comb. Cb. & Gtr. (6" x 12")
 - School Crosswalk Constr. 5'-0" Ramp
 - Const. Brick Crosswalk
 - Const. 5' Conc. Walk
 - Adjust Valve
 - Complete Access Control
 - Storm Siren Poles
 - Trans. Pole Siren
 - 30"x15" R.C.P. (HE) Storm Sew.
- Existing Conditions:**
 - MAPLE
 - MARY BENTON ADDITION
 - RIDGE PLAZA 5TH ADDITION
 - D-31-UP
 - Utility Easement
 - 20' Utility Easement
 - 20' San Sew.
 - 24" Cypress
 - 6" Galv. Wall
- Stationing:** 48+00 to 54+00.
- Scale:** 1" = 20'
- Date:** [Blank]
- Drawn by:** [Blank]
- Checked by:** [Blank]
- Engineers:** Booker/Freund
- Architects:** [Blank]
- Planners:** [Blank]

88	1-20		
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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.
78.8	244.4	S.Y. 6" Asph. Conc. Pavement
419.1	78.8	L.F. MONOLITHIC CURB
—	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

CURVE DATA BASED ON $\Delta = 0^\circ 36' 28''$ R = 11459.16T = 60.77 L = 121.53 LC = 121.53				
STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
55+72.23	—	—	0° 00' 00"	0° 00' 00"
55+75	2.77	2.76	0° 00' 25"	0° 00' 25"
56+00	25.00	24.93	0° 03' 25"	0° 04' 10"
56+25	25.00	24.93	0° 03' 25"	0° 07' 55"
56+50	25.00	24.93	0° 03' 25"	0° 11' 40"
56+75	25.00	24.93	0° 03' 25"	0° 15' 25"
56+93.76	18.77	18.00	0° 02' 49"	0° 18' 14"

CURVE DATA BASED ON $\Delta = 0^\circ 36' 28''$ R = 11459.16T = 60.77 L = 121.53 LC = 121.53				
STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
59+02.24	—	—	0° 00' 00"	0° 00' 00"
59+25	22.76	22.82	0° 03' 25"	0° 03' 25"
59+50	25.00	25.07	0° 03' 45"	0° 07' 10"
59+75	25.00	25.07	0° 03' 45"	0° 10' 55"
60+00	25.00	25.07	0° 03' 45"	0° 14' 40"
60+23.77	23.77	23.83	0° 03' 34"	0° 18' 14"

DEF./FT. = 0.14 MIN.

CITY OF WICHITA

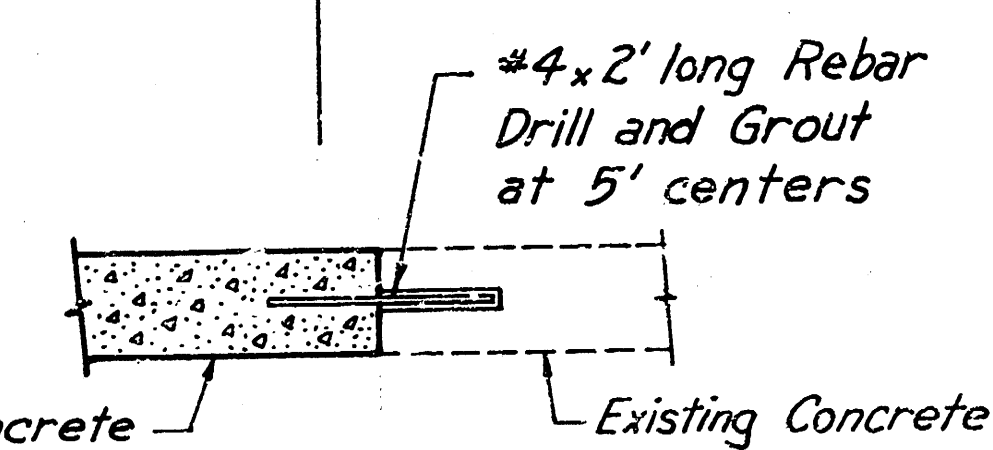
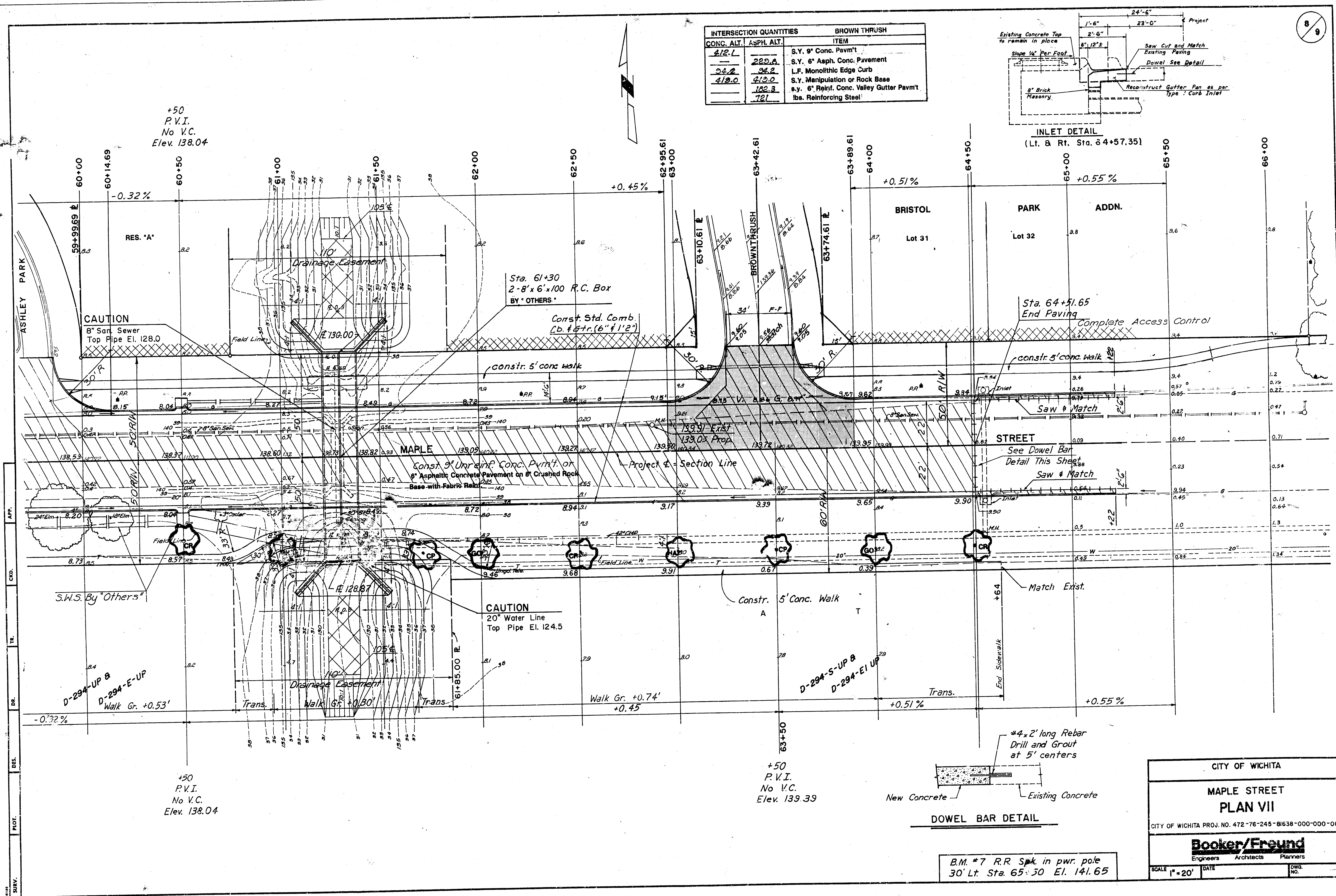
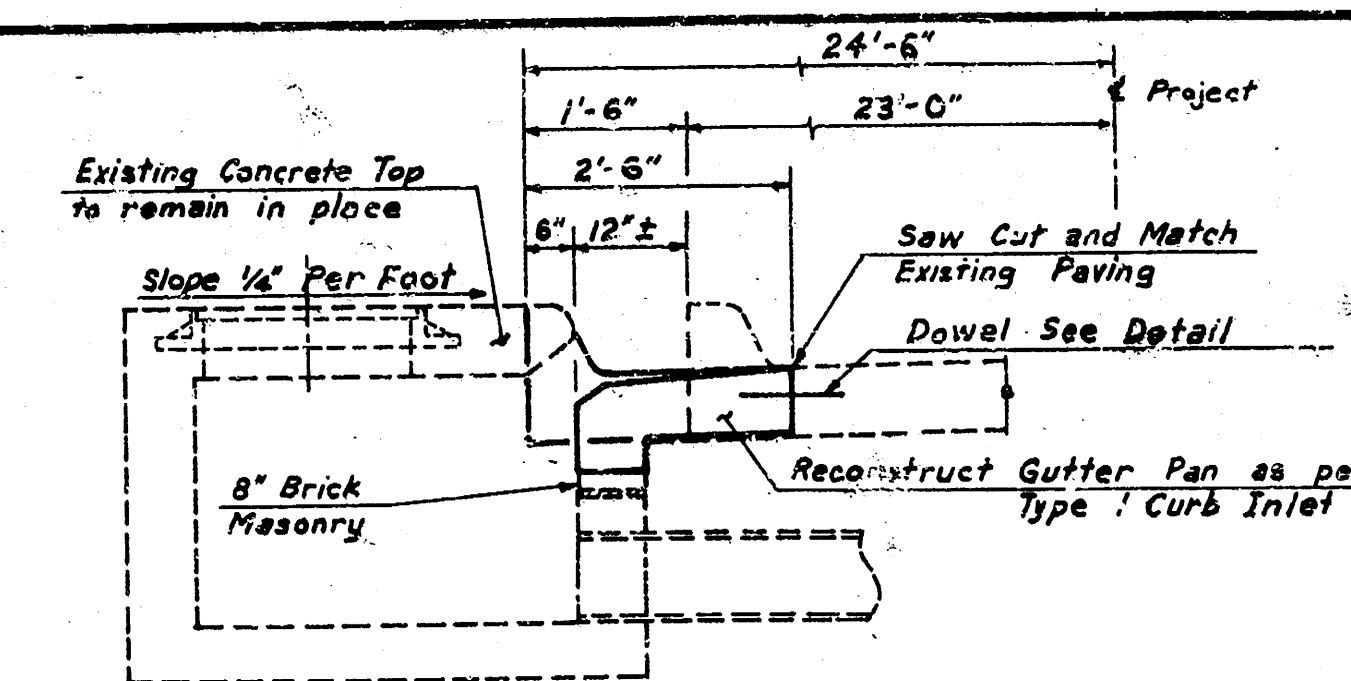
MAPLE STREET
PLAN VI

CITY OF WICHITA PROJ. NO. 472-76-245-81638-C00-000-001

Booker/Freund
Engineers Architects Planners

SCALE 1" = 20' DATE _____ DWA. 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

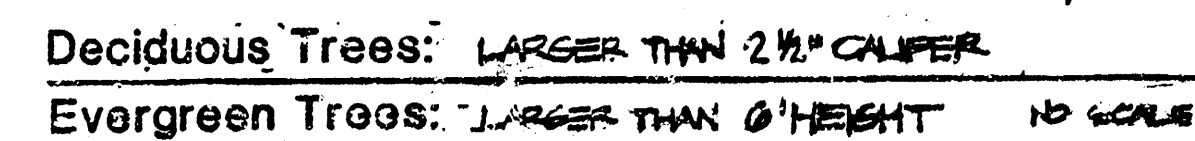
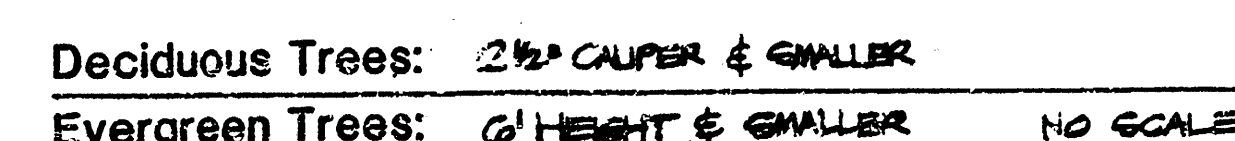
Booker/Freund

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.



STATION	OFF-SET	TYPE	STATION	OFF-SET	TYPE
25+83	31' Rt.	Crabapple	41+80	36' Rt.	Golden Raintree
26+00	31' Lt.	Crabapple	44+20	36' Rt.	Crabapple
26+16	31' Rt.	Hawthorne	44+50	35' Rt.	Hawthorne
26+50	31' Rt.	Chanticleer Pear	44+80	36' Rt.	Chanticleer Pear
26+50	31' Lt.	Hawthorne	45+10	36' Rt.	Golden Raintree
27+50	31' Lt.	Golden Raintree	45+40	36' Rt.	Crabapple
28+00	31' Lt.	Crabapple	47+00	30' Lt.	Hawthorne
28+30	31' Rt.	Crabapple	47+50	30' Lt.	Chanticleer Pear
28+50	31' Lt.	Hawthorne	47+50	36' Rt.	Hawthorne
29+23	31' Rt.	Crabapple	47+90	36' Rt.	Chanticleer Pear
28+90	31' Lt.	Chanticleer Pear	49+00	30' Lt.	Golden Raintree
28+96	31' Rt.	Chanticleer Pear	48+30	36' Rt.	Golden Raintree
29+29	31' Rt.	Golden Raintree	48+50	44' Lt.	Crabapple
29+30	31' Lt.	Golden Raintree	48+70	36' Rt.	Crabapple
29+60	31' Lt.	Crabapple	49+00	44' Lt.	Hawthorne
29+62	31' Rt.	Hawthorne	49+30	36' Rt.	Hawthorne
29+95	31' Rt.	Chanticleer Pear	49+40	44' Lt.	Chanticleer Pear
30+28	31' Rt.	Crabapple	49+70	36' Rt.	Chanticleer Pear
30+70	31' Lt.	Golden Raintree	49+80	30' Lt.	Golden Raintree
30+70	31' Lt.	Crabapple	50+10	36' Rt.	Golden Raintree
31+00	31' Lt.	Hawthorne	50+15	30' Lt.	Crabapple
32+10	31' Rt.	Chanticleer Pear	50+50	36' Rt.	Crabapple
32+50	31' Rt.	Golden Raintree	50+50	30' Lt.	Hawthorne
32+90	32' Rt.	Crabapple	51+00	36' Rt.	Hawthorne
32+90	31' Lt.	Golden Raintree	51+40	36' Rt.	Chanticleer Pear
33+25	31' Lt.	Crabapple	52+00	36' Rt.	Golden Raintree
33+60	33' Rt.	Hawthorne	52+00	44' Lt.	Golden Raintree
33+93	33' Rt.	Golden Raintree	52+50	44' Lt.	Crabapple
34+00	30' Lt.	Hawthorne	52+50	36' Rt.	Crabapple
34+18	33' Rt.	Crabapple	52+87	36' Rt.	Hawthorne
34+30	30' Lt.	Chanticleer Pear	53+25	36' Rt.	Chanticleer Pear
34+60	30' Lt.	Crabapple	53+62	36' Rt.	Golden Raintree
34+75	34' Rt.	Chanticleer Pear	54+00	36' Rt.	Crabapple
34+90	29' Lt.	Hawthorne	55+50	36' Rt.	Hawthorne
35+20	29' Lt.	Golden Raintree	56+00	36' Rt.	Chanticleer Pear
35+20	35' Rt.	Crabapple	56+60	36' Rt.	Golden Raintree
35+50	28' Lt.	Hawthorne	57+00	36' Rt.	Hawthorne
35+60	35' Rt.	Hawthorne	57+50	36' Rt.	Chanticleer Pear
36+00	35' Rt.	Chanticleer Pear	58+00	39' Rt.	Golden Raintree
36+40	35' Rt.	Golden Raintree	58+50	39' Rt.	Crabapple
36+80	36' Rt.	Crabapple	59+00	39' Rt.	Hawthorne
37+20	36' Rt.	Crabapple	59+50	39' Rt.	Chanticleer Pear
37+60	36' Rt.	Chanticleer Pear	60+00	39' Rt.	Golden Raintree
38+00	36' Rt.	Golden Raintree	60+50	39' Rt.	Crabapple
38+40	36' Rt.	Crabapple	61+00	45' Rt.	Hawthorne
38+80	36' Rt.	Hawthorne	61+70	47' Rt.	Chanticleer Pear
40+70	36' Rt.	Chanticleer Pear	62+00	47' Rt.	Golden Raintree
40+92	36' Rt.	Golden Raintree	62+50	47' Rt.	Crabapple
41+14	36' Rt.	Crabapple	63+00	48' Rt.	Hawthorne
41+36	36' Rt.	Hawthorne	63+50	48' Rt.	Golden Raintree
41+58	36' Rt.	Chanticleer Pear	64+00	48' Rt.	Golden Raintree
			64+50	48' Rt.	Crabapple

PROJECT NUMBER
472-76-245-81639-000-000-001

472-76-245-81639-000-000-001