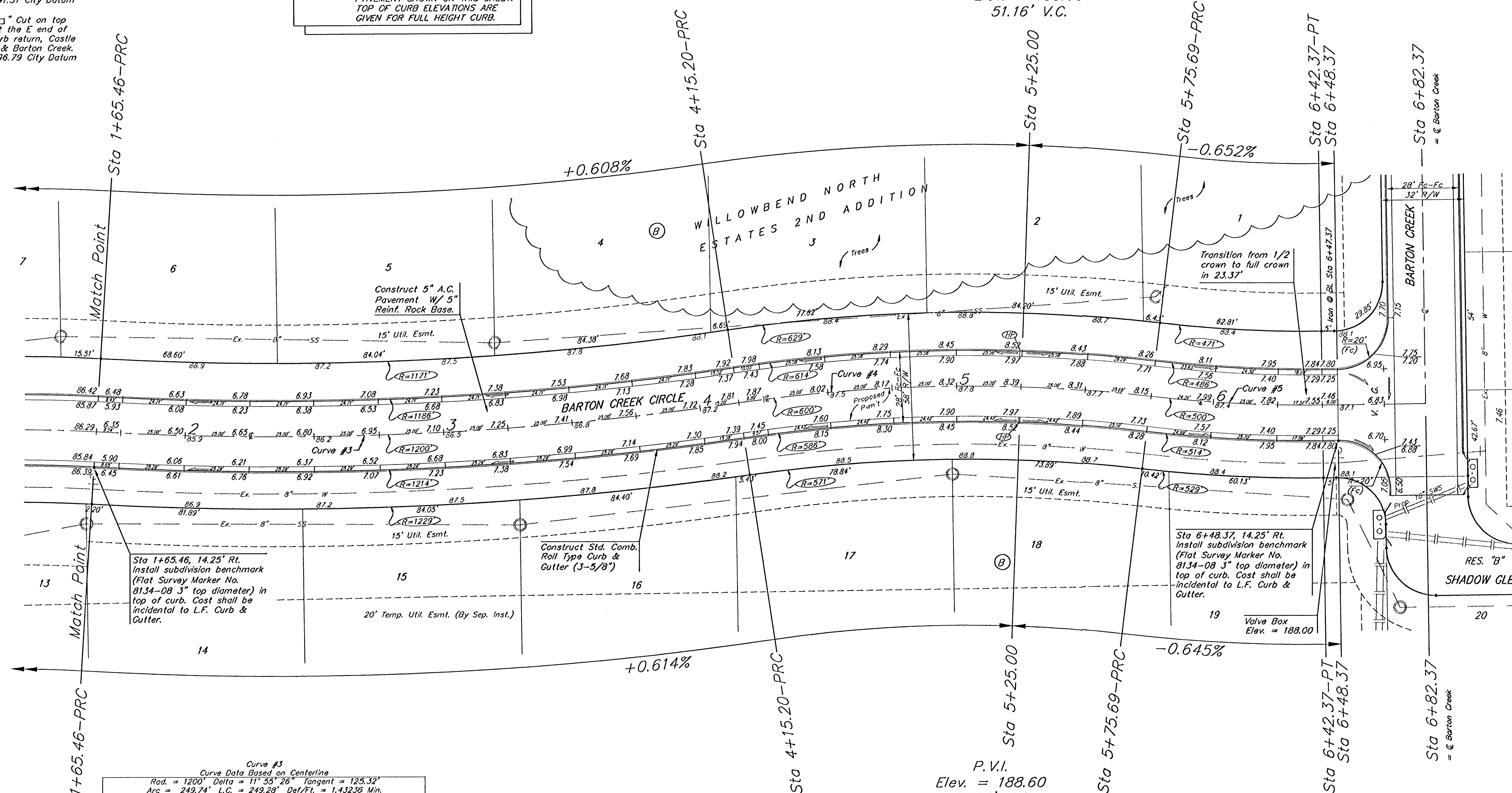


BM #1: "□" Cut on top of curb at the E end of the NE curb return, Castle Pines St. & Barton Creek. Elev. = 196.79 City Datum

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

P.V.I.
Elev. = 188.60
51.16' V.C.

Scale: 1" = 20'
• = Iron



Curve #3					
Curve Data Based on Centerline					
Rad. = 1200', Delta = 11° 55' 26", Tangent = 125.32'					
Arc = 249.74', L.C. = 249.28', Def/Pt. = 1.43256 Min.					
Station	Arc	FACE CHORD LENGTHS		Def.	I. Def.
		8' LI.	8' RI.		
1+65.46				0°00'00"	0°00'00"
1+75.00	9.54'	9.54'	9.71'	0°13'40"	0°13'40"
2+00.00	25.00'	24.54'	25.46'	0°35'48"	0°49'28"
2+25.00	25.00'	24.54'	25.46'	0°35'48"	1°25'17"
2+50.00	25.00'	24.54'	25.46'	0°35'48"	2°01'05"
2+75.00	25.00'	24.54'	25.46'	0°35'48"	2°36'54"
3+00.00	25.00'	24.54'	25.46'	0°35'48"	3°12'42"
3+25.00	25.00'	24.54'	25.46'	0°35'48"	3°48'31"
3+50.00	25.00'	24.54'	25.46'	0°35'48"	4°24'19"
3+75.00	25.00'	24.54'	25.46'	0°35'48"	5°00'08"
4+00.00	25.00'	24.54'	25.46'	0°35'48"	5°35'57"
4+15.20	15.20'	14.92'	15.42'	0°21'46"	5°57'43"

Curve #4					
Curve Data Based on Centerline					
Rad. = 600' Delta = 159° 32' Tangent = 80.73'					
Arc = 160.49' L.C. = 160.01' Del/Fl. = 2.8647' Min.					
Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
4+15.20				0°00'00"	0°00'00"
4+25.00	9.80'	10.16'	9.44'	0°28'04"	0°28'04"
4+50.00	25.00'	25.91'	24.08'	1°11'37"	1°39'41"
4+75.00	25.00'	25.91'	24.08'	1°11'37"	2°51'19"
5+00.00	25.00'	25.91'	24.08'	1°11'37"	4°02'56"
5+25.00	25.00'	25.91'	24.08'	1°11'37"	5°14'33"
5+50.00	25.00'	25.91'	24.08'	1°11'37"	6°26'10"
5+75.00	25.00'	25.91'	24.08'	1°11'37"	7°37'46"
5+25.69	25.69'	26.63'	24.75'	1°13'56"	2°39'46"

Curve #5
Curve Data Based on Centerline

Rad. = 500' Delta = 7° 38' 27" Tangent = 33.39'
Arc = 66.68' L.C. = 66.63' Del/Fl. = 3.43769 Mtn.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
5+75.69	-	-	-	0°00'00"	0°00'00"
6+00.00	23.91'	23.24'	25.38'	1°23'34"	1°23'34"
6+25.00	24.93'	26.16'	28.16'	1°25'58"	2°49'31"
6+50.00	26.32'	16.50'	18.13'	0°29'43"	3°49'13"

WILLOWBEND NORTH ESTATES 2ND ADDITION BARTON CREEK CIRCLE STA 1+85.48 TO STA 8+82.37				
 BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING 316-252-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
PROJECT NUMBER 472-83833				SHEET 7 OF 27
DESIGN <i>NBY</i>	DRAWN <i>TMS</i>	APPROVED 	DATE <i>07/03</i>	SCALE <i>Noted</i>