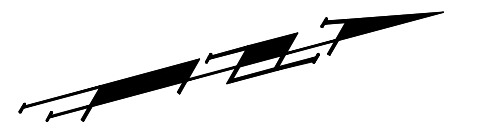
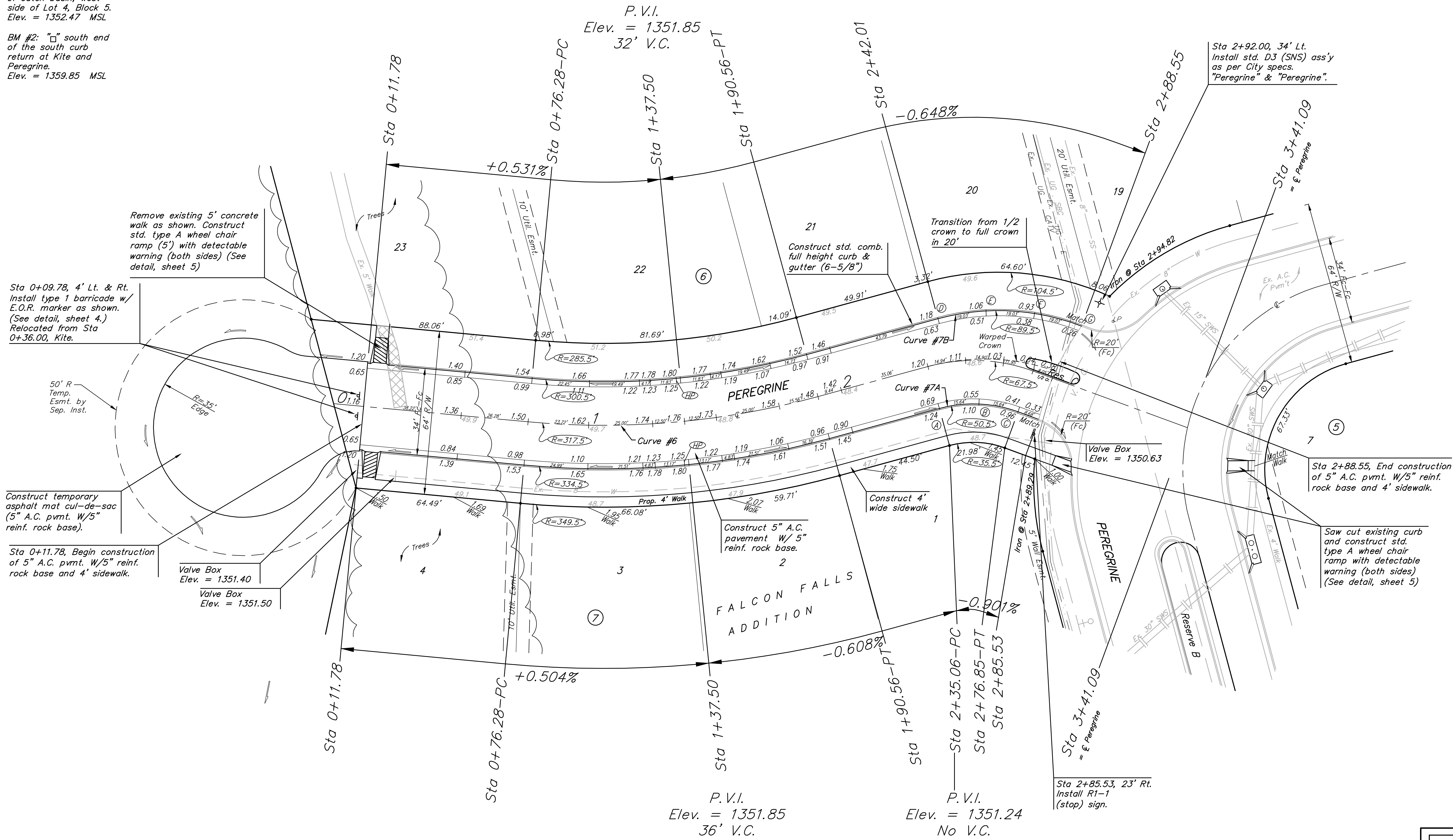


**BENCHMARKS:**  
 BM #1: "□" CL face of catch basin, west side of Lot 4, Block 5. Elev. = 1352.47 MSL

BM #2: "□" south end of the south curb return at Kite and Peregrine. Elev. = 1359.85 MSL



Scale: 1" = 20'  
 • = Iron



Sta 0+09.78, 4' Lt. & Rt. Install type 1 barricade w/ E.O.R. marker as shown. (See detail, sheet 4.) Relocated from Sta 0+36.00, Kite.

Remove existing 5' concrete walk as shown. Construct std. type A wheel chair ramp (5') with detectable warning (both sides) (See detail, sheet 5)

Construct temporary asphalt mat cul-de-sac (5" A.C. pmt. W/5" reinf. rock base).

Sta 0+11.78, Begin construction of 5" A.C. pmt. W/5" reinf. rock base and 4' sidewalk.

Valve Box Elev. = 1351.40  
 Valve Box Elev. = 1351.50

Construct 5" A.C. pavement W/5" reinf. rock base.

Construct 4' wide sidewalk

Valve Box Elev. = 1350.63

Sta 2+88.55, End construction of 5" A.C. pmt. W/5" reinf. rock base and 4' sidewalk.

Saw cut existing curb and construct std. type A wheel chair ramp with detectable warning (both sides) (See detail, sheet 5)

Sta 2+85.53, 23' Rt. Install R1-1 (stop) sign.

P.V.I. Elev. = 1351.85  
 36' V.C.

P.V.I. Elev. = 1351.24  
 No V.C.

Curve #6  
 Curve Data Based on Centerline  
 Rad. = 317.5' Delta = 20° 37' 22" Tangent = 57.76'  
 Arc = 114.28' L.C. = 113.66' Def/Ft. = 5.41375 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
0+76.28	-	-	-	0'00"00"	0'00"00"
1+00.00	23.72'	21.85'	25.58'	2'08"25"	2'08"25"
1+25.00	25.00'	23.03'	26.96'	2'15"20"	4'23"45"
1+50.00	25.00'	23.03'	26.96'	2'15"20"	6'39"06"
1+75.00	25.00'	23.03'	26.96'	2'15"20"	8'54'27"
1+90.56	15.56'	14.33'	16.78'	1'24"14"	10'18"41"

Curve #7A  
 Curve Data Based on Centerline  
 Rad. = 50.5' Delta = 35° 28' 21" Tangent = 16.15'  
 Arc = 31.28' L.C. = 30.77' Def/Ft. = 34.02094 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
A	-	-	-	0'00"00"	0'00"00"
B	15.64'	-	13.10'	8'52"05"	8'52"05"
C	15.64'	-	13.10'	8'52"05"	17'44"10"

Curve #7B  
 Curve Data Based on Centerline  
 Rad. = 89.5' Delta = 36° 32' 59" Tangent = 29.56'  
 Arc = 57.09' L.C. = 56.13' Def/Ft. = 19.20637 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
D	-	-	-	0'00"00"	0'00"00"
E	19.03'	-	20.69'	6'05"30"	6'05"30"
F	19.03'	-	20.69'	6'05"30"	12'10"59"
G	19.03'	-	20.69'	6'05"30"	18'16"29"

Remove trees ONLY if approved by Engineer as necessary for street construction. Cost of removal to be incidental to lump sum bid item "Site Clearing & Restoration".

		<b>FALCON FALLS ADDITION - PH. II</b> <b>PEREGRINE</b> STA 0+11.78 TO STA 3+41.09	
<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7171 F 316-262-0149          ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small>			
PROJECT NUMBER 472-83689	DESIGN TMS	DRAWN TMS	DATE 12/04
REVISIONS:	APPROVED	SCALE Noted	SHEET
			12 OF 26
Falcon Falls/Std6		04-10-E076	