BENCHMARK:
BM #1: C.O.W. disc in curb adjacent to fire hydrant near SE corner of Lot 18, Block B, Southern Ridge 2nd Addition. Elev. = 144.10 (City Datum)

BM #2: C.O.W. disc 44.0' S & 49.8' W of intersection of Pawnee & Maize Road. 12.0' E of fence and 65.0' SW of section corner Elev. = 132.12 (City Datum)

Scale: 1" = 20'
• = Iron

Remove trees only as necessary for street construction and only with permission of Developer or Baughman Co. Cost of removal to be incidental to lump sum bid item "Site Clearing & Restoration".

Install end-of-road hay bale sediment barriers. See detail, sheet 14.

Sta 0+05.00, Begin construction of 5" A.C. pvmt. W/5" reinf. rock base and 4' sidewalk.

Sta 0+03.00, 4' Lt/Rt Install E.O.R. markers as shown. (Relocated from Sta 1+27, Fieldcrest St.) (See detail, sheet 4.)

Sta 0+05.00
Sta 0+92.87–PC
Sta 1+11.13
Sta 1+58.31
Sta 2+15.72–PT
Sta 2+58.00
Sta 3+47.13–PC
Sta 4+39.70

P.V.I. Elev. = 146.02 No V.C.
P.V.I. Elev. = 145.90 No V.C.
P.V.I. Elev. = 145.50 No V.C.
P.V.I. Elev. = 145.13 No V.C.
P.V.I. Elev. = 144.90 38' V.C.
P.V.I. Elev. = 145.40 No V.C.
P.V.I. Elev. = 146.00 No V.C.
P.V.I. Elev. = 144.90 38' V.C.

-0.546%
-0.835%
-1.077%
-0.544%
-0.818%
+0.557%
+0.781%
+0.961%
+0.561%
-0.536%
-0.545%

SOUTHERN RIDGE 2ND ADDITION

SAVANNAH
PRESCOTT
PRESCOTT CIR.
MAXWELL
Match Line

Valve Box Elev. = 146.70

Construct 7" reinforced concrete valley gutter pavement with monolithic curb (3-5/8")

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

Construct std. comb. roll type curb & gutter (3-5/8")

Construct std. type 1A inlet hookups & inlet sediment barriers, both sides (See detail, sheet 16). Adjust inlet top to match proposed grade, both sides. To be bid as "Inlet Adjustment".

Construct 4' wide sidewalk

Sta 1+58.31, 17.25' Rt. Install subdivision benchmark (Flat survey marker No. 81.34-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. curb & gutter.

Valve Box Elev. = 145.70

Valve Box Elev. = 145.80

Construct std. type A wheel chair ramp with detectable warning (both sides) (See detail, sheet 5)

Sta 1+18.00, 35' Rt. Install std. D3 (SNS) ass'y as per City specs. "Savannah" & Metro SNS "Prescott Cir (2513-2530)".

Manhole Top Elev. = 145.89

Curve #1
Curve Data Based on Centerline
Rad. = 80' Delta = 87° 59'05" Tangent = 77.23'
Arc = 122.85' L.C. = 111.13' Def/Ft. =21.48589 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
0+92.87	–	–	–	0°00'00"	0°00'00"
1+00.00	7.13'	4.90'	9.36'	2°33'11"	2°33'11"
1+11.13	11.13'	7.65'	14.60'	3°59'08"	6°32'20"
1+25.00	13.87'	9.52'	18.18'	4°58'00"	11°30'20"
1+34.72	9.72'	6.68'	12.75'	3°28'50"	14°59'11"
1+50.00	15.28'	10.49'	20.02'	5°28'18"	20°27'29"
1+58.31	8.31'	5.71'	10.90'	2°58'33"	23°26'02"
1+75.00	16.69'	11.45'	21.87'	5°58'36"	29°24'38"
2+00.00	25.00'	17.12'	32.68'	8°57'09"	38°21'47"
2+15.72	15.72'	10.79'	20.60'	5°37'45"	43°59'32"

Curve #2
Curve Data Based on Centerline
Rad. = 100' Delta = 87° 59'05" Tangent = 96.54'
Arc = 153.56' L.C. = 138.91' Def/Ft. =17.18899 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
3+47.13	–	–	–	0°00'00"	0°00'00"
3+50.00	2.87'	3.59'	2.15'	0°49'20"	0°49'20"
3+75.00	25.00'	31.17'	18.70'	7°09'43"	7°59'03"
4+00.00	25.00'	31.17'	18.70'	7°09'43"	15°08'47"
4+25.00	25.00'	31.17'	18.70'	7°09'43"	22°18'30"
4+39.70	14.70'	18.36'	11.02'	4°12'41"	26°31'11"
4+50.00	10.30'	12.87'	7.72'	2°57'03"	29°28'14"
4+64.70	14.70'	18.36'	11.02'	4°12'41"	33°40'54"
4+75.00	10.30'	12.87'	7.72'	2°57'03"	36°37'57"
4+89.86	14.86'	18.56'	11.13'	4°15'25"	40°53'23"
5+00.00	10.14'	12.67'	7.60'	2°54'18"	43°47'41"
5+00.69	0.69'	0.86'	0.52'	0°11'51"	43°59'32"

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.

Baughman

SOUTHERN RIDGE 2ND ADD. - PH II
SAVANNAH/PRESCOTT
STA 0+00 TO STA 4+39.70

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 316.263.7271 F 316.263.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84098
DESIGN AEG
DRAWN TMS
APPROVED
DATE 10/05
SCALE Noted
SHEET **6** OF **29**
REVISIONS:

SouthernRidge2nd\Phase1\Str1 05-09-E350