

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)

Remove trees only as necessary
for street construction and only
with permission of Developer or
Boughman 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.)

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

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

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.

-0.835%
-1.077%
-0.546%

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

Manhole Top
Elev. = 145.89

55 SOUTHERN RIDGE
2ND ADDITION

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".

Sta 1+58.31, 17.26' Rt.
Install subdivision benchmark
(Flat survey marker No.
8134-08 3" top diameter) in
top of curb. Cost shall be
incidental to L.F. curb &
gutter.

Valve Box
Elev. = 145.70

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

P.V.I.
Elev. = 145.40
No V.C.

P.V.I.
Elev. = 144.90
38' V.C.

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.

Scale: 1" = 20'
• = Iron

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

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
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°58'56"	29°24'58"
2+00.00	25.00'	17.12'	32.69'	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/Flt. = 17.18899 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
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'	12.87'	7.60'	2°54'18"	43°47'41"
5+00.69	0.69'	0.86'	0.52'	0°11'51"	43°59'32"

B
Boughman

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

Boughman Company, P.A. 315 Ellis St. Wichita, KS 67111 P 316/262/2711 F 316/262/0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

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

SouthernRidge2ndPhaseIISta1 0509-E350