BENCHMARKS:

CITY OF WICHITA BENCHMARK DISC, TOP OF CURB AT WEST END OF CURB RETURN, NORTHWEST CORNER OF INTERSECTION OF CITY VIEW AND SHERIAC CIR. IN SHADOW WOODS ADDITION.
ELEV. = 199.26 (CITY DATUM)

CITY OF WICHITA BENCHMARK DISC, TOP OF CURB AT NORTH END OF CURB RETURN, NORTHWEST CORNER OF INTERSECTION OF BURTON AND CAVIT IN SHADOW WOODS ADDITION.
ELEV. = 193.21 (CITY DATUM)

Curve #11
Curve Data Based on Centerline
Rad. = 300' Delta = 27°40'29" Tangent = 73.89'
Arc = 144.90' L.C. = 143.50' Def/Ft. = 5.72976 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
2+41.38	–	–	–	0°00'00"	0°00'00"
2+50.00	8.62'	7.99'	9.25'	0°49'23"	0°49'23"
2+75.00	25.00'	23.16'	26.83'	2°23'15"	3°12'38"
2+79.02	4.02'	3.73'	4.31'	0°23'02"	3°35'40"
2+80.89	1.87'	1.73'	2.01'	0°10'41"	3°46'23"
2+94.57	13.68'	12.68'	14.68'	1°18'23"	5°04'46"
2+95.14	0.57'	0.53'	0.61'	0°03'16"	5°08'02"
3+00.00	4.86'	4.50'	5.22'	0°27'51"	5°35'53"
3+19.10	19.10'	17.70'	20.50'	1°49'26"	7°25'19"
3+20.98	1.88'	1.74'	2.02'	0°10'46"	7°36'05"
3+25.00	4.02'	3.73'	4.31'	0°23'02"	7°59'07"
3+50.00	25.00'	23.16'	26.83'	2°23'15"	10°22'22"
3+75.00	25.00'	23.16'	26.83'	2°23'15"	12°45'37"
3+86.28	11.28'	10.45'	12.11'	1°04'38"	13°50'15"

P.V.I.
Elev. = 189.62
No V.C.

P.V.I.
Elev. = 189.0
No V.C.

WATER VALVE LOCATION TABLE

VALVE NUMBER	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
V11	4+37.39	21'	Lt.
V12	6+59.16	64'	Rt.

Paving contractor will be responsible to operate all water valves on the project, in the presence of the inspector, to ensure accessibility to the valves, and that all valves are left in the "ON" position when the project is completed.

Scale: 1" = 20'
• = Iron

P.V.I.
Elev. = 190.72
No V.C.

Sta 2+41.38-PRC
Sta 3+00.00
Sta 3+86.28-PRC
Sta 5+18.81-PRC
Sta 5+73.65-PT
Sta 5+87.02
Sta 6+52.51

+0.573%
-0.973%
-0.793%
-0.944%
-1.403%
-1.575%
-0.877%
-1.392%
+0.522%

MATCH POINT
SHADOW WOODS ADDITION
TEXAS CIR.
Valve Box Elev. = 190.40
Valve Box Elev. = 187.90
Curve #11
Curve #12
Curve #13
Proposed P.I.
10' Util. Esmt.
20' Drng. Esmt.
Prop. 15" SWS
Iron @ Sta 6+03.17
Construct std. comb. roll type curb & gutter (3-5/8")
Construct 5" A.C. pavement W/ 5" reinf. rock base.
Construct std. type 1A inlet hookups & inlet sediment barriers. (See detail, sheet 16)

P.V.I.
Elev. = 191.20
No V.C.

P.V.I.
Elev. = 191.52
40' V.C.

P.V.I.
Elev. = 187.2
30' V.C.

Curve #12
Curve Data Based on Centerline
Rad. = 300' Delta = 25°18'59" Tangent = 67.36'
Arc = 132.53' L.C. = 131.45' Def/Ft. = 5.72939 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
3+86.28	–	–	–	0°00'00"	0°00'00"
4+00.00	13.72'	14.72'	12.71'	1°18'36"	1°18'36"
4+25.00	25.00'	26.82'	23.16'	2°23'15"	3°41'51"
4+50.00	25.00'	26.82'	23.16'	2°23'14"	6°05'05"
4+75.00	25.00'	26.82'	23.16'	2°23'14"	8°28'19"
5+00.00	25.00'	26.82'	23.16'	2°23'14"	10°51'33"
5+18.81	18.81'	20.19'	17.43'	1°47'46"	12°39'19"

Curve #13
Curve Data Based on Centerline
Rad. = 300' Delta = 10°28'31" Tangent = 27.50'
Arc = 54.84' L.C. = 54.77' Def/Ft. = 5.73046 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
5+18.81	–	–	–	0°00'00"	0°00'00"
5+25.00	6.19'	5.74'	6.64'	0°35'28"	0°35'28"
5+50.00	25.00'	23.16'	26.83'	2°23'16"	2°58'44"
5+73.65	23.65'	21.91'	25.38'	2°15'31"	5°14'15"

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.

Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor ONLY with the Developer or Baughman Company approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

Baughman

SHADOW WOODS ADD. - PH V
Texas Cir.
Street Paving

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 316.262.2221 F 316.262.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84060
REVISIONS:
DESIGN AEG DRAWN JEB
APPROVED DATE 6-21-06
SCALE Noted
SHEET 11 OF 37

E:\eng\Shadow Woods Addition\Phase 5\str1.dwg 06-01-E467