BENCHMARKS:

"□" Top of curb, north return, Northwest corner of 43rd and Hydraulic.
Elev. = 82.33

Small Railroad Spike in West face of Power Pole, East of 44th and Hydraulic.
Elev. = 82.84

Railroad Spike in Light Pole, Southwest corner of 45th and Victoria.
Elev. = 84.74

Subdivision Bench Marks

Street & Station	Location Description	Elevation
Ellis 0+60.0, 14.25' Lt.	Adjacent to Fire Hydrant between Lots 29–30, Block B.	
Ellis 3+57.0, 14.25' Rt.	Adjacent to Light Pole between Lots 7–8, Block D.	

P.V.I. Elev. = 1387.30 No V.C.

P.V.I. Elev. = 1386.90 No V.C.

Sta 0+02.00 | −0.533% | Sta 0+26.40 | −0.571% | Sta 0+61.53 | Sta 0+96.40 | −0.902% | Sta 2+96.00 | −0.524% | Sta 3+66.00 | Sta 4+23.24–PC | −0.610%

Scale: 1" = 20'
• = Iron

Sta 0+60.0, 14.25' Lt. 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.

Sta 3+57.0, 14.25' 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.

Construct std. type 1A inlet hookup & inlet sediment barrier, (See detail, sheet 9–12). Adjust inlet top to match proposed grade. All items to be bid as "Inlet Adjustment".

Sta 0+02.00 Begin Construction of 5" A.C. Pavement w/5" Reinf. Rock Base.

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

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

Sta 4+46.38, 22.50' Rt. Install std. D3 (SNS) ass'y as per City specs. "44th St. S" & "Ellis".

Sta 4+23.24–PC
Sta 4+76.85–PT

Sta 4+79.30–PT

Sta 5+65.76

Saw, cut, remove and replace 2' existing pavement as shown. To be incidental to "Site Clearing & Restoration".

Remove E.O.R. Markers and Return to City of Wichita. Cost to be Incidental to "Site Clearing & Restoration."

Sta 5+65.76 End Construction of 5" A.C. Pavement w/5" Reinf. Rock Base.

Contractor shall remove and dispose of existing erosion control barrier. Cost incidental to "Site Clearing & Restoration".

CAUTION! Existing Utilities

CAUTION! Utilities Crossing

CAUTION! Existing Utilities

HIDDEN GLEN ADDITION

CAROL JEAN ADDITION

ELLIS

RESERVE "A"

MARIE

44TH ST. S.

15' STREET, DRNG., & UTIL. EASEMENT

20' DRNG. & UTIL. EASEMENT

10' UTIL. EASEMENT

28' Fc–Fc 32' R/W

30' Fc–Fc 60' R/W

Curve #1

Curve #1L

Curve #1R

Iron @ Sta 0+00.00

Iron @ Sta 3+15.00

Iron @ Sta 3+47.00

P.V.I. Elev. = 1385.10 No V.C.

WATER VALVE LOCATION TABLE

VALVE NUMBER	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
V1	0+37.61	22'	Lt.
V2	0+39.61	20'	Lt.
V3	0+60.00	20'	Lt.
V4	3+51.00	22'	Lt.
V5	3+55.00	22'	Lt.
V6	5+12.56	35'	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.

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.

Curve #1R
Curve Data Based on Face of Curb
Rad. = 20' Delta = 90°9'1" Tangent = 20.05'
Arc = 31.47' L.C. = 28.32' Def/Ft. = 85.93925 Min.

Station	Arc	FACE CHORD LENGTHS 8' Rt.	Defl.	T. Defl.
H	–	–	0°00'00"	0°00'00"
I	1.76'	1.06'	2°31'15"	2°31'15"
J	25.00'	14.04'	35°48'29"	38°19'44"
K	4.71'	2.82'	6°44'46"	45°04'30"

Curve #1
Curve Data Based on Centerline
Rad. = 35.06' Delta = 89°58'24" Tangent = 35.04'
Arc = 55.06' L.C. = 49.57' Def/Ft. = 49.02289 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
4+23.24	–	–	–	0°00'00"	0°00'00"
4+25.00	1.76'	2.16'	1.36'	1°26'17"	1°26'12"
4+50.00	25.00'	30.06'	18.89'	20°25'34"	21°51'51"
4+75.00	25.00'	30.06'	18.89'	20°25'34"	42°17'26"
4+78.30	3.30'	4.05'	2.55'	2°41'46"	44°59'12"

Curve #1L
Curve Data Based on Face of Curb
Rad. = 50' Delta = 90°3'13" Tangent = 50.05'
Arc = 78.66' L.C. = 70.74' Def/Ft. = 34.34539 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	Defl.	T. Defl.
A	–	–	0°00'00"	0°00'00"
B	1.76'	2.04'	1°00'27"	1°00'27"
C	24.22'	27.80'	13°51'51"	14°52'18"
D	0.78'	0.90'	0°26'47"	15°19'05"
E	25.00'	28.67'	14°18'38"	29°37'43"
F	25.00'	28.67'	14°18'38"	43°56'21"
G	1.90'	2.20'	1°05'15"	45°01'36"

HIDDEN GLEN ADDITION - Ph. 2
Ellis/44th St. S.
Street Paving

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

PROJECT NUMBER 472-83626
DESIGN MWS
DRAWN JEB
REVISIONS:
APPROVED
DATE 09/06
SCALE Noted
SHEET 6 OF 17

E:\eng\Hidden Glen Ph 2\str1.dwg
06-03-E514