BENCHMARKS:
BM #1: Small RR spike in west face of PP, east side of 135th St. W, east of SE corner of Lot 1, Block A, Shadow Woods Addition. Elev. = 159.37 (City Datum)

BM #2: C.O.W. disc at west end of NW return adjacent to fire hydrant at Cavit & Decker, adjacent to SE corner of Lot 24, Block A, Shadow Woods Addition Elev. = 187.31 (City Datum)

BM #3: C.O.W. disc at west end of SW return adjacent to fire hydrant at Cavit & Burton, adjacent to E corner of Lot 24, Block C, Shadow Woods Addition Elev. = 193.19 (City Datum)

Curve #4
Curve Data Based on Fc of Curb
Rad. = 300' Delta = 13° 29' 45" Tangent = 35.50'
Arc = 70.65' L.C. = 70.50' Def/Ft. = 5.73072 Min.

Station	Arc	FACE CHORD LENGTHS 8' Rt.	Defl.	T. Defl.
A	–	–	0°00'00"	0°00'00"
B	23.55'	22.92'	2°14'57"	2°14'57"
C	23.55'	22.92'	2°14'57"	4°29'55"
D	23.55'	22.92'	2°14'57"	6°44'52"

Curve #5
Curve Data Based on Fc of Curb
Rad. = 300' Delta = 13° 29' 45" Tangent = 35.50'
Arc = 70.65' L.C. = 70.50' Def/Ft. = 5.73072 Min.

Station	Arc	FACE CHORD LENGTHS 8' Rt.	Defl.	T. Defl.
E	–	–	0°00'00"	0°00'00"
F	23.55'	24.18'	2°14'57"	2°14'57"
G	23.55'	24.18'	2°14'57"	4°29'55"
H	23.55'	24.18'	2°14'57"	6°44'52"

P.V.I. Elev. = 168.30 No V.C.
P.V.I. Elev. = 161.50 100' V.C.
P.V.I. Elev. = 162.00 62' V.C.
P.V.I. Elev. = 161.50 100' V.C.
P.V.I. Elev. = 162.00 67.94' V.C.
Sta 7+55.00-PT
Sta 10+00.00
Sta 10+88.00
Sta 11+79.12
Sta 12+39.12 = ℄ 135th St. W.
-1.994%
-2.776%
+0.568%
-1.646%
-2.811%
-2.776%
+0.555%
-1.657%
Match Line
SHADOW WOODS ADDITION
PRAIRIE DUNES ADDITION
135TH STREET W.
TEXAS
RES. "A"
RES. "B"
Existing Pond
Prop. 15" SWS
Prop. 4' Walk
Ex. 8" SWS
Ex. 6"ø Plastic-Aquila-Gas
Ex. A.C. Pvmt
Ex. Fence
SDC Ped
Proposed Pvmt
Warp Crown*
Curve #4
Curve #5
Scale: 1" = 20'
• = Iron

Construct 50 L.F. Concrete Flume (100 L.F. Total)(Both sides) (See detail this sheet) Cost of Concrete Flume to be included in bid item "Site Clearing & Restoration."

Sta 11+82.00, 25' Lt. Install Metro (SNS) ass'y as per City specs. "Texas (13600 W)" & "135th St W (100 S)".

Transition asphalt to top of curb in 3' (both sides).

Sta. 11+44.90 & 11+73.39, 7.5' Rt. Install R4-7 (keep right) & OM-1 sign.

Const. full-height low edge medial curb & gutter. (6-5/8") (See detail, sheet 6) Median shall be filled with friable fill material

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

Sta 11+79.12, End construction of 5" A.C. pvmt. W/5" reinf. rock base and 4' sidewalk.

Install 100.0 L.F. 24" RCP W/ end sections. Install 15.0 S.Y. light stone rip-rap as indicated (each side).

Adjust Manhole Top From Elev. = 161.20 To Elev. = 160.70

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

Sta 9+39.17, 17.25' 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.

Valve Box Elev. = 163.50

Adjust Manhole Top From Elev. = 164.30 To Elev. = 163.80

Construct std. type 1A inlet sediment barriers, both sides (See detail, sheet 25)

Install 2-25' Long 4" PVC pipes (Left) & 2-29' long 4" PVC pipes (Right) under pavement. Cap each end. Mark End of Pipes with Wooden Stake Painted Pink. Cost subsidiary to Pavement Cost.

Sta 11+79.12, 44' Rt. Install R1-1 (stop) sign.

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

Regrade ditch to ensure positive drainage in 100', both sides

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

CONCRETE FLUME TYPICAL DETAIL
6" 2'-0" 6" 1" 1" 5" 4" WWF 6x12 W 4/4 3'

*Warp crown shall conform to approximate center of pavement.

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

SHADOW WOODS ADD. PH. III
TEXAS
STA 7+55.00 TO STA 12+39.12

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 3162627221 F 3162620149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-83723
DESIGN
DRAWN TMS
REVISIONS
APPROVED
DATE 08/05
SCALE Noted
SHEET 9 OF 39

ShadowWoods\Phase3\Str3
05-05-E242