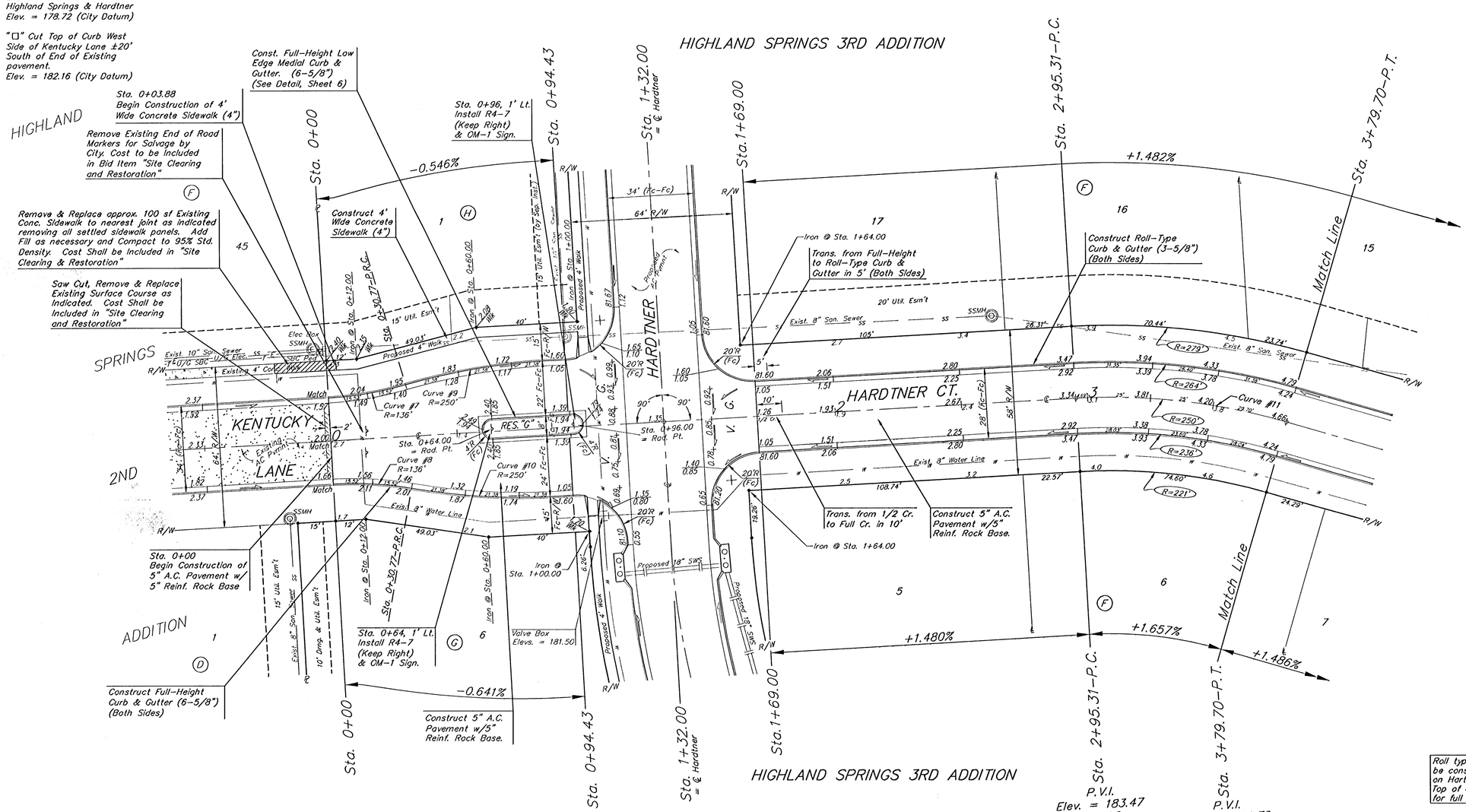
Benchmarks:

"□" Cut Top of Curb North End of Northwest Return at Highland Springs & Hardtner
Elev. = 178.72 (City Datum)

"□" Cut Top of Curb West Side of Kentucky Lane ±20' South of End of Existing pavement.
Elev. = 182.16 (City Datum)

Scale: 1" = 20'
• = Iron




Roll type curb & gutter to be constructed on the pavement on Hartner Ct.
Top of curb elevation are given for full height curb.

Curve #7
Curve Data Based on Face of Curb
Rad. = 136' Delta = 13° 04' 41" Tangent = 15.59'
Arc = 31.04' L.C. = 30.98' Def/Ft. =12.63987 Min.

| CL Station | Arc | CHORD 8" Lt. | Defl. | T. Defl. |
|---|---|---|---|---|
| 0+00.00 | – | – | 0°00'00" | 0°00'00" |
| 0+15.52 | 15.52' | 14.60' | 3°16'10" | 3°16'10" |
| 0+31.04 | 15.52' | 14.60' | 3°16'11" | 6°32'21" |

Curve #8
Curve Data Based on Face of Curb
Rad. = 136' Delta = 13° 04' 41" Tangent = 15.59'
Arc = 31.04' L.C. = 30.98' Def/Ft. =12.63987 Min.

| CL Station | Arc | CHORD 8" Rt. | Defl. | T. Defl. |
|---|---|---|---|---|
| 0+00.00 | – | – | 0°00'00" | 0°00'00" |
| 0+15.52 | 15.52' | 14.60' | 3°16'10" | 3°16'10" |
| 0+31.04 | 15.52' | 14.60' | 3°16'11" | 6°32'21" |

Curve #9
Curve Data Based on Face of Curb
Rad. = 250' Delta = 14° 42' 10" Tangent = 32.25'
Arc = 64.14' L.C. = 63.98' Def/Ft. = 6.87688 Min.

| CL Station | Arc | CHORD 8' Lt. | Defl. | T. Defl. |
|---|---|---|---|---|
| 0+00.00 | – | – | 0°00'00" | 0°00'00" |
| 0+21.38 | 21.38' | 22.06' | 2°27'02" | 2°27'02" |
| 0+42.76 | 21.38' | 22.06' | 2°27'01" | 4°54'03" |
| 0+64.14 | 21.38' | 22.06' | 2°27'02" | 7°21'05" |

Curve #10
Curve Data Based on Face of Curb
Rad. = 250' Delta = 14° 42' 10" Tangent = 32.25'
Arc = 64.14' L.C. = 63.98' Def/Ft. = 6.87688 Min.

| CL Station | Arc | CHORD 8" Rt. | Defl. | T. Defl. |
|---|---|---|---|---|
| 0+00.00 | – | – | 0°00'00" | 0°00'00" |
| 0+21.38 | 21.38' | 22.06' | 2°27'02" | 2°27'02" |
| 0+42.76 | 21.38' | 22.06' | 2°27'01" | 4°54'03" |
| 0+64.14 | 21.38' | 22.06' | 2°27'02" | 7°21'05" |

Curve #11
Curve Data Based on Centerline
Rad. = 250' Delta = 19° 20' 27" Tangent = 42.60'
Arc = 84.39' L.C. = 83.99' Def/Ft. = 6.87552 Min.

| Station | Arc | FACE CHORD LENGTHS 8" Lt. | 8" Rt. | Defl. | T. Defl. |
|---|---|---|---|---|---|
| 2+95.31 | – | – | – | 0°00'00" | 0°00'00" |
| 3+00.00 | 4.69' | 5.10' | 4.28' | 0°32'15" | 0°32'15" |
| 3+25.00 | 25.00' | 27.19' | 22.79' | 2°51'53" | 3°24'08" |
| 3+50.00 | 25.00' | 27.19' | 22.79' | 2°51'53" | 6°16'01" |
| 3+75.00 | 25.00' | 27.19' | 22.79' | 2°51'54" | 9°07'54" |
| 3+79.70 | 4.70' | 5.11' | 4.29' | 0°32'19" | 9°40'13" |

Baughman

Highland Springs 3rd Addition - Phase III
**KENTUCKY LANE & HARDTNER CT.**
STA. 0+00 - STA. 3+79.70


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 472-83780
REVISIONS

DESIGN NBW/JAK | DRAWN TMS/JAK
APPROVED | DATE 6/21/06
SCALE Noted
SHEET 9 OF 31

F:\Eng\Highland Springs 3rd\Phse 3\Sht3

05-09-E358