

# 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)

Const. Full-Height Low  
Edge Medial Curb &  
Gutter. (6-5/8")  
(See Detail, Sheet 6)

Sta. 0+03.88  
Begin Construction of 4'  
Wide Concrete Sidewalk (4")

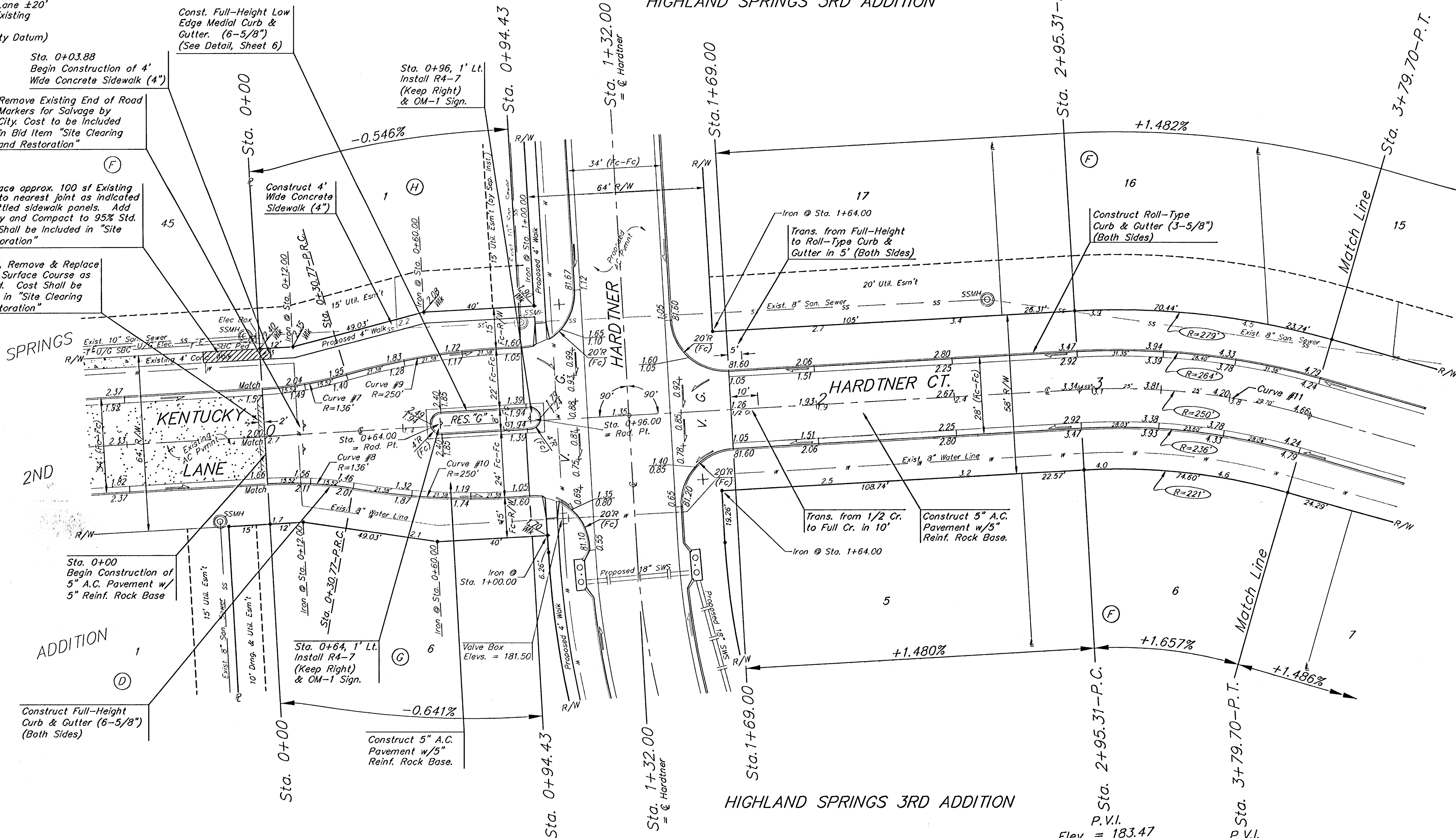
Remove Existing End of Road  
Markers for Salvage by  
City. Cost to be Included  
in Bid Item "Site Clearing  
and Restoration"

Remove & Replace approx. 100 sf Existing  
Conc. Sidewalk to nearest joint as indicated  
removing all settled sidewalk panels. Add  
Fill as necessary and Compact to 95% Std.  
Density. Cost Shall be Included in "Site  
Clearing & Restoration"

Saw Cut, Remove & Replace  
Existing Surface Course as  
Indicated. Cost Shall be  
Included in "Site Clearing  
and Restoration"

## HIGHLAND SPRINGS 3RD ADDITION

Scale: 1" = 20'  
• = Iron



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

P.V.I.  
Elev. = 183.47  
No V.C.  
P.V.I.  
Elev. = 184.79  
No V.C.

## HIGHLAND SPRINGS 3RD ADDITION

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<br>8' Lt. | Defl.<br>8' Lt. | T. Defl.<br>8' Lt. |
|------------|--------|-----------------|-----------------|--------------------|
| 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<br>8' Lt. | Defl.<br>8' Lt. | T. Defl.<br>8' Lt. |
|------------|--------|-----------------|-----------------|--------------------|
| 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<br>8' Lt. | Defl.<br>8' Lt. | T. Defl.<br>8' Lt. |
|------------|--------|-----------------|-----------------|--------------------|
| 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<br>8' Lt. | Defl.<br>8' Lt. | T. Defl.<br>8' Lt. |
|------------|--------|-----------------|-----------------|--------------------|
| 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<br>8' Lt. | 8' Rt. | Defl.<br>8' Lt. | T. Defl.<br>8' Lt. |
|---------|--------|------------------------------|--------|-----------------|--------------------|
| 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"           |

|                             |  |                                           |  |
|-----------------------------|--|-------------------------------------------|--|
| <b>Baughman</b>             |  | Highland Springs 3rd Addition - Phase III |  |
| PROJECT NUMBER<br>472-83780 |  | DESIGN<br>NBW/JAK                         |  |
| REVISIONS:                  |  | DRAWN<br>TMS/JAK                          |  |
|                             |  | APPROVED<br>DATE<br>6/21/06               |  |
|                             |  | SCALE<br>Noted<br>SHEET                   |  |
|                             |  | <b>9 OF 31</b>                            |  |