

# **BENCHMARKS:**

BM #1: "X" on the West End of the Steel Casing Pipe at the Railroad Crossing South of 37th Street North Sta. 25+90, 41' Rt. Elev. = 1336.58 MSL

BM #2: Steel T-Post Driven 4' Deep Sta. 18+00, 25' Rt. Elev. = 1337.73 MSL

BM #3: "□" in the Concrete Footing of the SBC Pedestal in the South West Corner of 37th Street North and Tyler Road Sta. 8+56, 95' Rt. Elev. = 1342.17 MSL

BM #4: Railroad Spike in the East Face of the 2nd Power Pole North of 37th Street and West of Tyler Road Sta. 94+24, 48' Lt. Elev. = 1342.85 MSL

Sta 5+30.75, 36' Lt. Install std. D3 (SNS) ass'y as per City specs. "Conrey" & Metro SNS "Forest Ridge Ct (-----)".

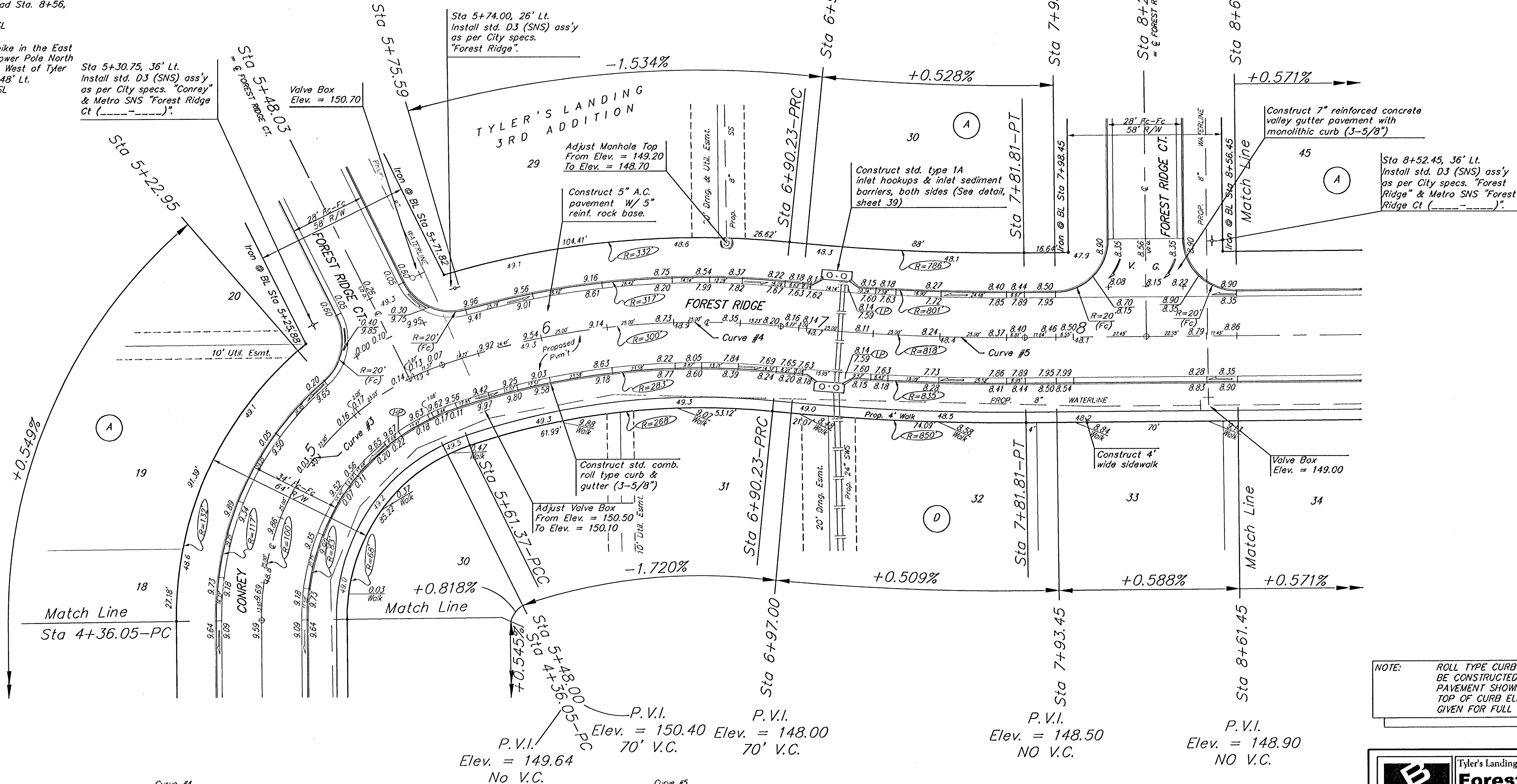
Valve Box Elev. = 150.70

Curve #3  
Curve Data Based on Centerline  
Rad. = 100' Delta = 71° 48' 18" Tangent = 72.39'  
Arc = 125.32' L.C. = 117.28' Def/Ft. = 17.18920 Min.

| Station | Arc    | FACE CHORD LENGTHS | Defl.    | T. Defl. |
|---------|--------|--------------------|----------|----------|
|         |        | 8' Lt. 8' Rt.      |          |          |
| 4+36.05 | —      | —                  | 0°00'00" | 0°00'00" |
| 4+50.00 | 13.95' | 17.42'             | 10.45'   | 3°59'47" |
| 4+75.00 | 25.00' | 31.17'             | 18.70'   | 7°09'44" |
| 5+00.00 | 25.00' | 31.17'             | 18.70'   | 7°09'44" |
| 5+22.95 | 22.95' | 28.63'             | 17.18'   | 6°34'29" |
| 5+48.03 | 25.08' | 31.27'             | 18.76'   | 7°11'08" |
| 5+61.37 | 13.34' | 16.66'             | 10.00'   | 3°49'18" |

P.V.I.  
Elev. = 148.00  
70' V.C.

Scale: 1" = 20'  
• = Iron



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.

Curve #4  
Curve Data Based on Centerline  
Rad. = 300' Delta = 24° 36' 35" Tangent = 65.44'  
Arc = 128.86' L.C. = 127.87' Def/Ft. = 5.72941 Min.

| Station | Arc    | FACE CHORD LENGTHS | Defl.    | T. Defl. |
|---------|--------|--------------------|----------|----------|
|         |        | 8' Lt. 8' Rt.      |          |          |
| 5+61.37 | —      | —                  | 0°00'00" | 0°00'00" |
| 5+75.59 | 14.22' | 15.40'             | 13.03'   | 1°21'28" |
| 6+00.00 | 24.41' | 26.44'             | 22.37'   | 2°19'51" |
| 6+25.00 | 25.00' | 27.07'             | 22.91'   | 2°23'14" |
| 6+50.00 | 25.00' | 27.07'             | 22.91'   | 2°23'14" |
| 6+75.00 | 25.00' | 27.07'             | 22.91'   | 2°23'14" |
| 6+90.23 | 15.23' | 16.50'             | 13.96'   | 1°27'15" |

Curve #5  
Curve Data Based on Centerline  
Rad. = 818' Delta = 6°24'54" Tangent = 45.84'  
Arc = 91.58' L.C. = 91.54' Def/Ft. = 2.10144 Min.

| Station | Arc    | FACE CHORD LENGTHS | Defl.    | T. Defl. |
|---------|--------|--------------------|----------|----------|
|         |        | 8' Lt. 8' Rt.      |          |          |
| 6+90.23 | —      | —                  | 0°00'00" | 0°00'00" |
| 6+97.00 | 6.77'  | 6.56'              | 6.98'    | 0°14'14" |
| 7+00.00 | 3.00'  | 2.91'              | 3.09'    | 0°06'18" |
| 7+25.00 | 25.00' | 24.24'             | 25.76'   | 0°52'32" |
| 7+50.00 | 25.00' | 24.24'             | 25.76'   | 0°52'32" |
| 7+75.00 | 25.00' | 24.24'             | 25.76'   | 0°52'32" |
| 7+81.81 | 6.81'  | 6.60'              | 7.02'    | 0°14'19" |

Adjust water valve boxes as needed to grade. Incidental to 'Site Clearing and Restoration'.

Contractor to remove existing trees, fence, etc. as needed to complete paving project. Removal shall be incidental to bid item 'Site Clearing and Restoration'.

Tyler's Landing 3rd Addition - Phase I  
**Forest Ridge**  
STA 4+36.05 TO STA 8+61.45

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-6149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER  
472-84262

DESIGN  
AEO  
APPROVED  
DATE  
08/05

REVISIONS:

DRAWN  
JWH/TMS

SCALE  
Noted  
SHEET

7 OF 52

tylers landing 3rd addl.dwg 05-07-E283