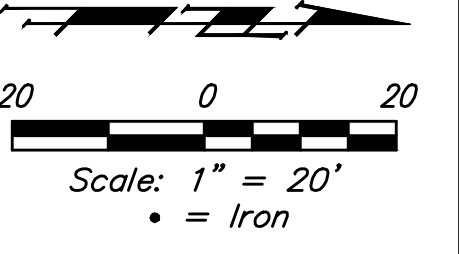


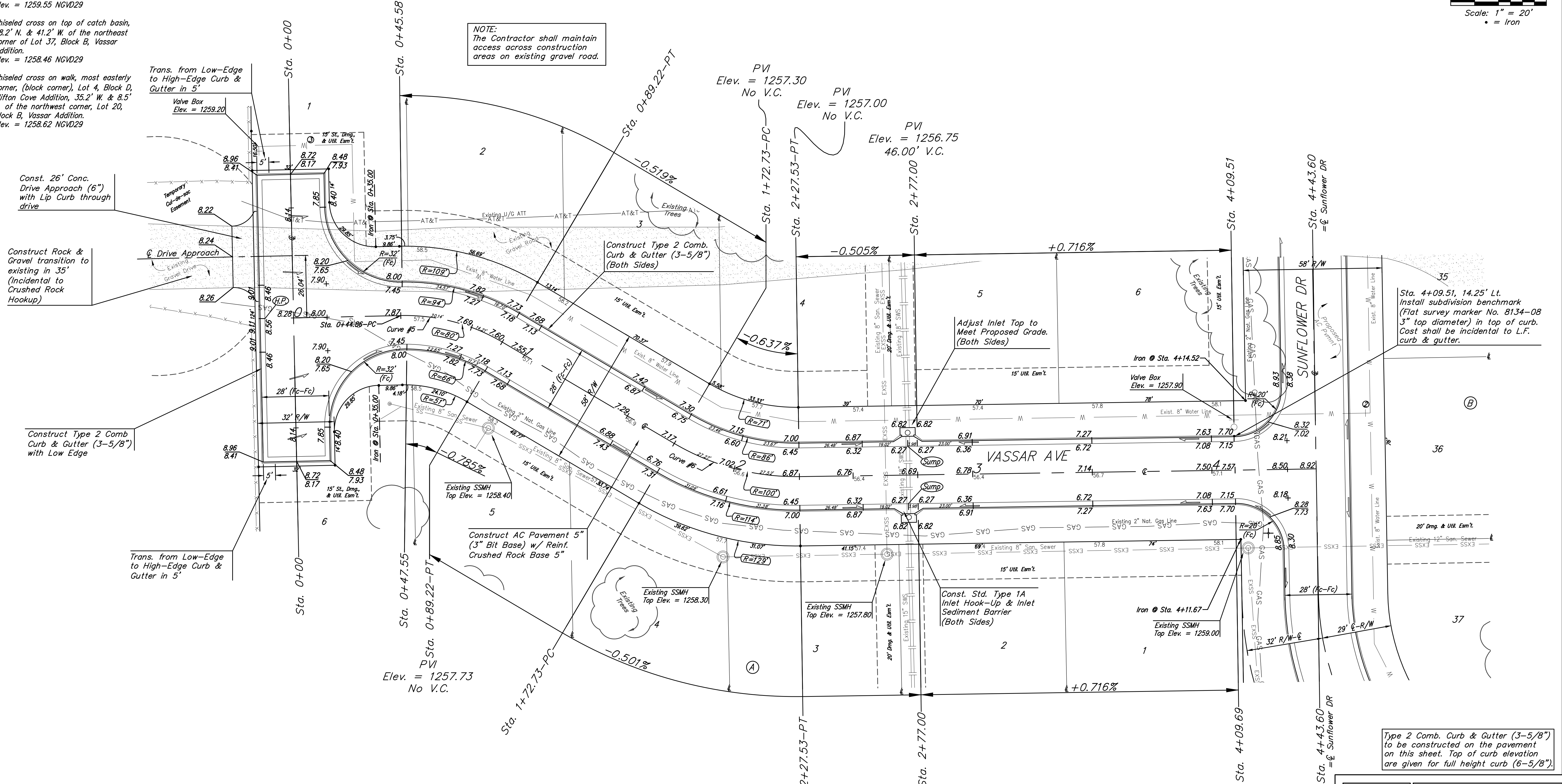
**BENCHMARKS:**  
 Chiseled square on top of catch basin, 43.5' N. & 20.4' W. of the northwest corner of Lot 24, Block B, Vassar Addition.  
 Elev. = 1259.55 NGVD29

Chiseled cross on top of catch basin, 48.2' N. & 41.2' W. of the northeast corner of Lot 37, Block B, Vassar Addition.  
 Elev. = 1258.46 NGVD29

Chiseled cross on walk, most easterly corner, (block corner), Lot 4, Block D, Clifton Cove Addition, 35.2' W. & 8.5' S. of the northwest corner, Lot 20, Block B, Vassar Addition.  
 Elev. = 1258.62 NGVD29



**NOTE:**  
 The Contractor shall maintain access across construction areas on existing gravel road.



Sta. 4+09.51, 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.

Type 2 Comb. Curb & Gutter (3-5/8") to be constructed on the pavement on this sheet. Top of curb elevation are given for full height curb (6-5/8").

Curve #5  
 Curve Data Based on Centerline

Rad. = 80' Delta = 31°46'11" Tangent = 22.77'  
 Arc = 44.36' L.C. = 43.79' Def./Ft. = 21.48538 Min.

| Station | Arc    | Chord   |          | Defl.    | Total Defl. |
|---------|--------|---------|----------|----------|-------------|
|         |        | 8' Left | 8' Right |          |             |
| 0+44.86 | -      | -       | -        | 0'00'00" | 0'00'00"    |
| 0+45.58 | 0.72'  | 0.92'   | 0.52'    | 0'15'28" | 0'15'28"    |
| 0+47.55 | 1.97'  | 2.51'   | 1.43'    | 0'42'20" | 0'57'48"    |
| 0+50.00 | 2.45'  | 3.12'   | 1.78'    | 0'52'38" | 1'50'26"    |
| 0+75.00 | 25.00' | 31.74'  | 18.05'   | 8'57'08" | 10'47'34"   |
| 0+89.22 | 14.22' | 18.11'  | 10.30'   | 5'05'31" | 15'53'05"   |

Curve #6  
 Curve Data Based on Centerline

Rad. = 100' Delta = 31°25'48" Tangent = 28.14'  
 Arc = 54.80' L.C. = 54.17' Def./Ft. = 17.20620 Min.

| Station | Arc    | Chord   |          | Defl.    | Total Defl. |
|---------|--------|---------|----------|----------|-------------|
|         |        | 8' Left | 8' Right |          |             |
| 1+72.73 | -      | -       | -        | 0'00'00" | 0'00'00"    |
| 1+75.00 | 2.27'  | 1.77'   | 2.77'    | 0'39'03" | 0'39'03"    |
| 2+00.00 | 25.00' | 19.47'  | 30.45'   | 7'10'10" | 7'49'13"    |
| 2+25.00 | 25.00' | 19.47'  | 30.45'   | 7'10'09" | 14'59'22"   |
| 2+27.53 | 2.53'  | 1.98'   | 3.09'    | 0'43'32" | 15'42'54"   |

**Baughman** Vassar Addition - Phase I  
**VASSAR AVE**  
 Sta. to Sta.

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 472-85256  
 DESIGN: AEG  
 DRAWN: JAK

REVISIONS:  
 APPROVED: [Signature]  
 DATE: 7/05/16

SCALE: Noted  
 SHEET: **11 OF 25**

Professional Engineer Seal: JUSTINE BOTTLE, 17919, 7/19/16, KANSAS