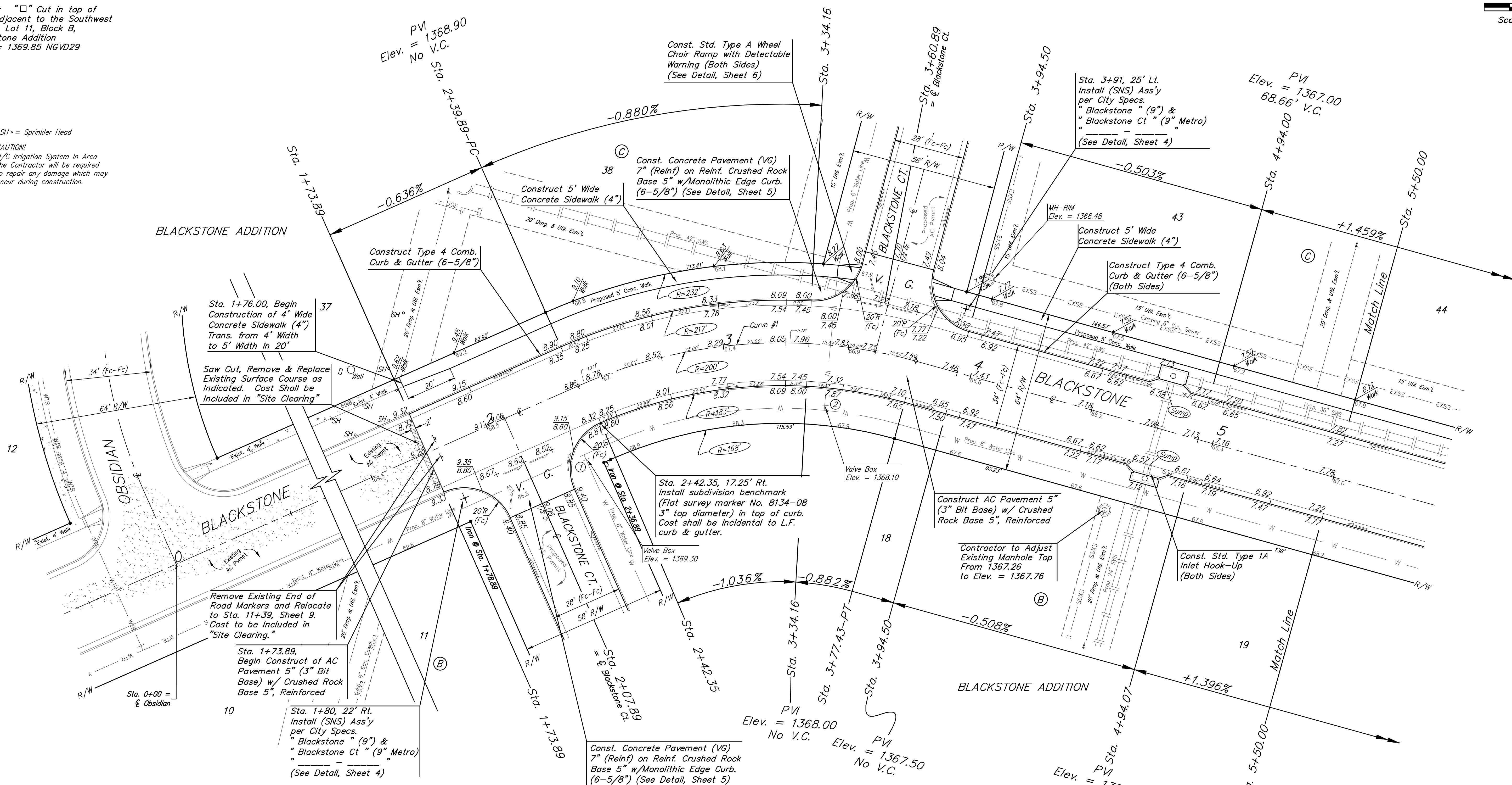
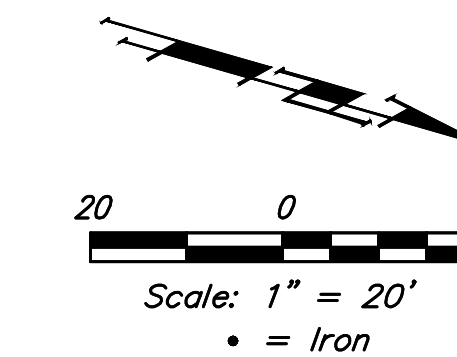


**BENCHMARKS:**  
 BM #1: Railroad spike in HLP  
 2' West of center Sec. 11,  
 T-27-S, R-2-W  
 (S. Face of HLP)  
 Elev. = 1367.70 NGVD29

BM #2: "□" Cut in top of  
 curb adjacent to the Southwest  
 Corner, Lot 11, Block B,  
 Blackstone Addition  
 Elev. = 1369.85 NGVD29

SH = Sprinkler Head

**CAUTION!**  
 U/G Irrigation System In Area  
 The Contractor will be required  
 to repair any damage which may  
 occur during construction.



Curve #1  
 Curve Data Based on Centerline  
 Rad. = 200' Delta = 39°24'06" Tangent = 71.61'  
 Arc = 137.54' L.C. = 134.84' Def./Ft. = 8.59423 Min.

| Station | Arc    | Face Chord Length |          | Defl.    | Total Defl. |
|---------|--------|-------------------|----------|----------|-------------|
|         |        | 8' Left           | 8' Right |          |             |
| 2+39.89 | -      | -                 | -        | 0'00'00" | 0'00'00"    |
| 2+42.35 | 2.46'  | 2.77'             | 2.15'    | 0'21'09" | 0'21'09"    |
| 2+50.00 | 7.65'  | 8.61'             | 6.69'    | 1'05'44" | 1'26'53"    |
| 2+75.00 | 25.00' | 28.11'            | 21.86'   | 3'34'52" | 5'01'45"    |
| 3+00.00 | 25.00' | 28.11'            | 21.86'   | 3'34'51" | 8'36'36"    |
| 3+25.00 | 25.00' | 28.11'            | 21.86'   | 3'34'51" | 12'11'27"   |
| 3+34.16 | 9.16'  | 10.30'            | 8.01'    | 1'18'44" | 13'30'11"   |
| 3+50.00 | 15.84' | 17.82'            | 13.86'   | 2'16'08" | 15'46'19"   |
| 3+75.00 | 25.00' | 28.11'            | 21.86'   | 3'34'51" | 19'21'10"   |
| 3+77.43 | 2.43'  | 2.73'             | 2.13'    | 0'20'53" | 19'42'03"   |

VALVE LOCATION TABLE

| VALVE NUMBER | BASELINE STATION | OFFSET DISTANCE | OFFSET DIRECTION |
|--------------|------------------|-----------------|------------------|
| 1            | 2+31.07          | 28'             | Rt.              |
| 2            | 3+24.80          | 24'             | Rt.              |
| 3            | 6+14.65          | 28'             | Rt.              |
| 4            | 9+94.44          | 28'             | Rt.              |
| 5            | 11+21.27         | 26'             | Rt.              |

**Baughman** Blackstone Addition - Phase III  
**BLACKSTONE**  
 Sta. 1+73.89 to Sta. 5+50.00

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<br>472-84399 | DESIGN<br>NBW  | DRAWN<br>JAK     |
| REVISIONS:                  | APPROVED       | DATE<br>8/27/18  |
|                             | SCALE<br>Noted | SHEET<br>7 OF 41 |

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