

BENCHMARKS:
 "X" CUT ON TOP OF CURB INLET NORTH SIDE OF CENTRAL 96' W. OF WESTERN PROPERTY LINE OF CASTLEGATE ADDITION.
 N: 4997.42 E: 4999.10
 ELEV. = 1341.99 (NAVD88)

"X" CUT IN CURB INLET EAST SIDE OF AZURE ST. NEAR NORTH END OF CASTLEGATE ADDITION.
 N: 6320.08 E: 5589.16
 ELEV. = 1342.58 (NAVD88)

"X" CUT IN NORTH SIDE OF CURB ALONG EXISTING CINDY DRIVE, ONE JOINT BACK FROM EDGE OF PAVEMENT, NEAR EAST EDGE OF CASTLEGATE ADDITION.
 N: 5698.62 E: 6050.20
 ELEV. = 1342.38

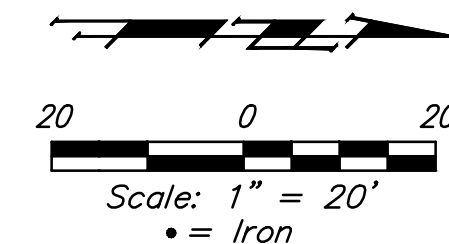
#4 REBAR ALONG EXISTING FENCE LINE NEAR SWS CORNER OF LOT 11 BLOCK A, CASTLEGATE ADDITION.
 N: 5625.17 E: 5089.21
 ELEV. = 1343.56

Sta 0+60.00, 37' Lt.
 Install R1-1 (stop) sign.

Construct 6' Wheelchair Ramp w/ Detectable Warnings (both sides) (See detail, sheet 15)

West radius is not tangent to the existing north curb of Central Ave. to allow radius to match into existing curb.

*Contractor to remove all existing Tensor and replace with new Tensor throughout project.



| Curve #1L | | | | |
|--------------------------------|-------------------|--------------------------|----------|-------------|
| Curve Data Based on Centerline | | | | |
| Rad. = 151' | Delta = 21°14'27" | Tangent = 28.31' | | |
| Arc = 55.98' | L.C. = 55.66' | Def./Ft. = 11.38308 Min. | | |
| Station | Arc | 8' Left | Defl. | Total Defl. |
| 2+15.68 | - | - | 0°00'00" | 0°00'00" |
| 2+25.00 | 9.32' | 11.52' | 1°46'05" | 1°46'05" |
| 2+50.00 | 25.00' | 30.88' | 4°44'35" | 6°30'40" |
| 2+71.66 | 21.66' | 26.76' | 4°06'34" | 10°37'14" |

| Curve #1R | | | | |
|--------------------------------|-------------------|--------------------------|----------|-------------|
| Curve Data Based on Centerline | | | | |
| Rad. = 151' | Delta = 21°14'27" | Tangent = 28.31' | | |
| Arc = 55.98' | L.C. = 55.66' | Def./Ft. = 11.38308 Min. | | |
| Station | Arc | 8' Right | Defl. | Total Defl. |
| 2+15.68 | - | - | 0°00'00" | 0°00'00" |
| 2+25.00 | 9.32' | 7.36' | 1°46'05" | 1°46'05" |
| 2+50.00 | 25.00' | 19.72' | 4°44'35" | 6°30'40" |
| 2+71.66 | 21.66' | 17.09' | 4°06'34" | 10°37'14" |

| Curve #2L | | | | |
|--------------------------------|-------------------|--------------------------|----------|-------------|
| Curve Data Based on Centerline | | | | |
| Rad. = 99' | Delta = 23°04'13" | Tangent = 20.21' | | |
| Arc = 39.86' | L.C. = 39.59' | Def./Ft. = 17.36348 Min. | | |
| Station | Arc | 8' Left | Defl. | Total Defl. |
| 2+71.66 | - | - | 0°00'00" | 0°00'00" |
| 2+75.00 | 3.34' | 2.13' | 0°58'00" | 0°58'00" |
| 3+00.00 | 25.00' | 15.93' | 7°14'05" | 8°12'05" |
| 3+11.52 | 11.52' | 7.36' | 3°20'02" | 11°32'07" |

| Curve #2R | | | | |
|--------------------------------|-------------------|--------------------------|----------|-------------|
| Curve Data Based on Centerline | | | | |
| Rad. = 151' | Delta = 23°04'13" | Tangent = 30.82' | | |
| Arc = 39.86' | L.C. = 60.39' | Def./Ft. = 17.36348 Min. | | |
| Station | Arc | 8' Right | Defl. | Total Defl. |
| 2+71.66 | - | - | 0°00'00" | 0°00'00" |
| 2+75.00 | 3.34' | 6.17' | 0°58'00" | 0°58'00" |
| 3+00.00 | 25.00' | 46.03' | 7°14'05" | 8°12'05" |
| 3+11.52 | 11.52' | 21.25' | 3°20'02" | 11°32'07" |

Res. "D"
 BAY COUNTRY ADDITION

Saw cut, remove and replace 105' existing curb & gutter as shown. To be incidental to "Site Restoration".

Sta 0+59.83, Begin construction of AC Pavement 5" (3" Bit Base) W/ Crushed Rock Base 5" and 5' Wide Concrete Sidewalk.

Construct Concrete Pavement (VC) 7" (Rein) on Crushed Rock Base 5", Reinforced with Concrete Curb, Mono Edge (6-5/8" & 1-1/2").

Valve Box Elev. = 1341.70

Saw cut, remove and replace 20 L.F. 6' Wide Concrete Sidewalk (4" thick).

Sta 0+57.00, 37' Rt.
 Install Std. 6-3/4" SNS Assembly Metro 9" SNS Assembly "Central W" & "Firefly N" as per City specs.

P.V.I. Elev. = 1340.80
 40' V.C.

P.V.I. Elev. = 1341.60
 No V.C.

P.V.I. Elev. = 1341.85
 No V.C.

Transition from Concrete C & G, Comb. Type 4 (6-5/8" & 1-1/2") to Concrete C & G, Comb. Type 2 (3-5/8" RL & 1-1/2") through wheelchair ramps (both sides).

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|
| | CASTLEGATE ADDITION | |
| | FIREFLY STREET IMPROVEMENTS | |
| <small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.262.7271 F 316.262.0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE</small> | | |
| PROJECT NUMBER | DESIGN | DRAWN |
| | NBW/JS | TMS |
| REVISIONS: | APPROVED | DATE |
| | | 06/17 |
| | SCALE | |
| | Noted | |
| | SHEET | |
| | | 2 OF 32 |