

BENCHMARKS:

Railroad Spike in Power Pole
Located 27' South and 402' East
of the Northwest Corner of the
NE 1/4, Section 24, TWP. 28-S, R-1-W.

Elevation = 92.98

City Datum

City of Wichita Benchmark Disc SE Corner
of Intersection of 47th St. S. and West St.
42.10' E. of Centerline
51.00' S. of Centerline
99.80' E. of P.P. on SW Corner
23.80' S. of P.P.

Elevation = 92.29

City Datum

Install 26 L.F. 4" PVC
Pipe as Shown.
Cost to be Included in
"Site Crg. & Rest."

Sta. 0+86.00, 1' Rt.
Install R4-7 (Keep
Right) & OM-1 Sign.

Construct Std. Wheel
Chair Ramp (Both Sides)
(See Detail, Sheet 5)

Construct 7" Reinforced
Concrete Valley Gutter Pmnt. on
5" Reinforced Rock Base w/
Monolithic Edge Curb (6-5/8")
(See Detail, Sheet 5)

Adjust Valve Box as Necessary
to Match Sidewalk. Cost to be
Included in "Site Crg. & Rest."
Valve Box Elev. = 93.10

Sta. 2+17.24, 23' Lt.
Install Std. D3 (SNS) Ass'y
as per City Specs
"Leonine" &
"Leonine Ct."
4665 - 4681"
(See Detail, Sheet 4)

Sta. 2+22.30, 17.3' Lt.
Install Subdivision Bench Mark
(Flat Survey Marker No.
8134-08, 3" Top Diameter) in
Top of Curb.
Cost shall be Incidental to L.F.
Full-Height Curb.

ANGEL FIRE ADDITION

Scale:
1" = 20'
• = Iron

Sta. 0+50.00, 30' Lt.
Install Std. R1-1 Ass'y
as per City Specs
(See Detail, Sheet 4)

Install 4 S.Y. (6'x 6')
Light Stone Rip-Rap
as Shown.
Saw, Cut, Remove, &
Replace Existing Surface
Course as Indicated.
Cost Shall be Included in
"Site Crg. & Rest."

Sta. 0+24.98,
32.8' Lt. to 32.0' Rt.
Install 64.8 L.F. 24"
RCP with End Sections

Sta. 0+50.00, End
Construction of 5" A.C.
Pmnt. Hook-up w/ 5"
Reinf. Rock Base. Begin
Construction of 5" A.C. Pmnt.
w/ 5" Reinf. Rock Base

Construct 5" A.C.
Pmnt. Hook-up w/ 5"
Reinf. Rock Base. Cost
to be Included in "Site
Clearing & Restoration"

Install 4 S.Y. (6'x 6')
Light Stone Rip-Rap
as Shown.

Construct 24.5 L.F.
Concrete Flume as
Shown. See Detail, This
Sheet. (Both Sides)

Sta. 0+50.00, 32' Rt.
Install Std. D3 (SNS)
Ass'y as per City Specs
"Leonine 4700 S" &
"47th St. 3400 W"
(See Detail, Sheet 4)

Curve #1
Curve Data Based on Face of Curb
Rad. = 395.81' Delta = 8° 31' 51" Tangent = 29.52'
Arc = 58.94' L.C. = 58.87' Def/Ft. = 4.34213 Min.

CHORDS			
Station	Arc	8 Lt.	T. Defl.
0+00	-	0'00"00"	0'00"00"
0+29.47	29.47'	30.06'	20'758"
0+58.94	29.47'	30.06'	20'758"

Curve #2
Curve Data Based on Face of Curb
Rad. = 446.33' Delta = 6° 31' 50" Tangent = 25.44'
Arc = 50.83' L.C. = 50.80' Def/Ft. = 3.85107 Min.

CHORDS			
Station	Arc	8 Lt.	T. Defl.
0+00	-	0'00"00"	0'00"00"
0+25.42	25.42'	25.87'	13'754"
0+50.83	25.41'	25.86'	13'751"

Curve #3
Curve Data Based on Face of Curb
Rad. = 300' Delta = 8° 30' 59" Tangent = 22.34'
Arc = 44.60' L.C. = 44.55' Def/Ft. = 5.72851 Min.

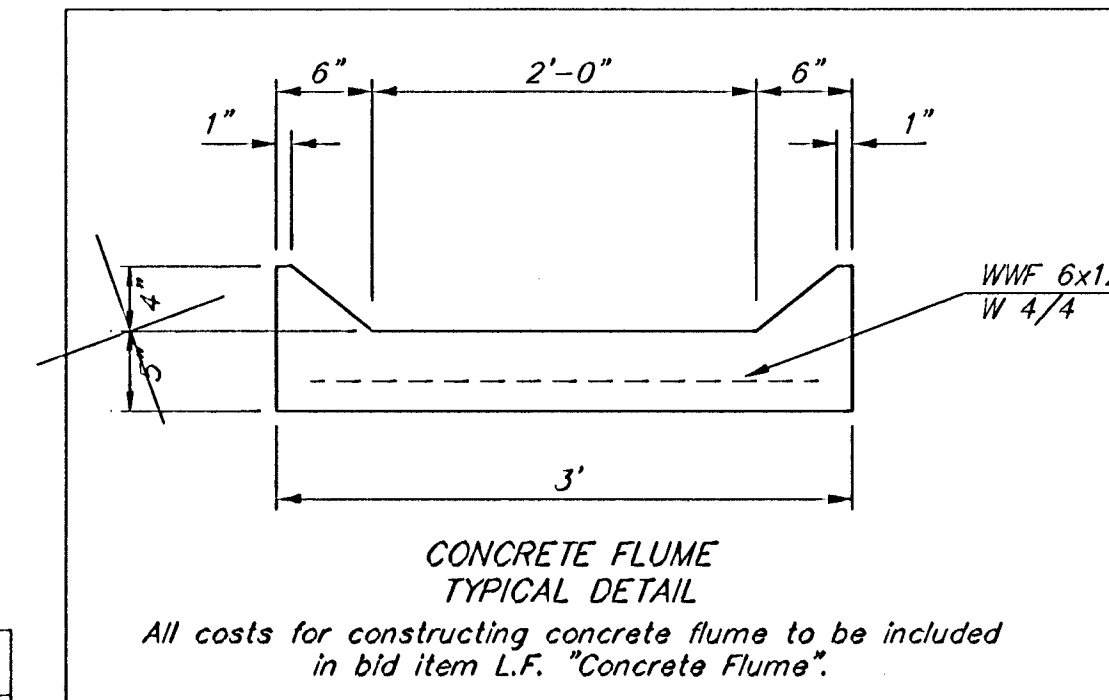
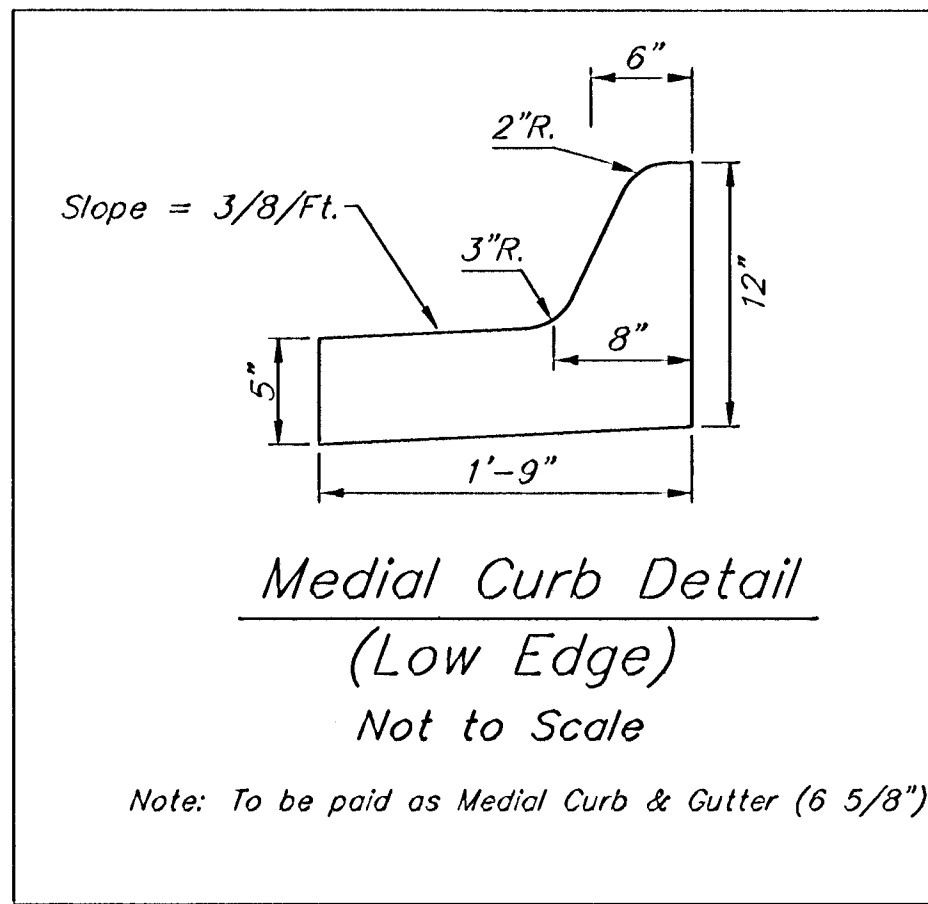
CHORDS			
Station	Arc	8 Rt.	T. Defl.
0+00	-	0'00"00"	0'00"00"
0+22.30	22.30'	22.89'	20'745"
0+44.60	22.30'	22.89'	20'745"

Curve #4
Curve Data Based on Face of Curb
Rad. = 163.03' Delta = 8° 42' 19" Tangent = 12.41'
Arc = 24.77' L.C. = 24.75' Def/Ft. = 10.54333 Min.

CHORDS			
Station	Arc	8 Rt.	T. Defl.
1+57.11	-	0'00"00"	0'00"00"
1+60.92	10.56'	11.09'	1'51'20"
1+62.40	1.59'	1.67'	0'16'46"
1+75.00	12.62'	13.24'	2'13'03"

Curve #5
Curve Data Based on Centerline
Rad. = 180' Delta = 70° 15' 39" Tangent = 126.65'
Arc = 220.73' L.C. = 207.18' Def/Ft. = 9.54934 Min.

FACE CHORD LENGTHS			
Station	Arc	8 Lt.	8 Rt.
1+75.00	-	-	-
1+93.98	18.98'	19.81'	18.13'
2+00.00	6.02'	6.29'	5.75'
2+22.30	22.30'	23.28'	21.30'
2+25.00	2.70'	2.82'	2.58'
2+50.00	25.00'	26.10'	23.88'
2+75.00	25.00'	26.10'	23.88'
3+00.00	25.00'	26.10'	23.88'
3+25.00	25.00'	26.10'	23.88'
3+50.00	25.00'	26.10'	23.88'
3+75.00	25.00'	26.10'	23.88'
3+95.73	20.73'	21.64'	19.80'



ANGEL FIRE ADDITION - PHASE 1
LEONINE
STREET & INCIDENTAL STORM WATER SEWER
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211
PROJECT NUMBER
472-83292
DESIGN BLP/AEG DRAWN AEG APPROVED DATE 3/28/01 SCALE NOTED SHEET **6** OF **28**