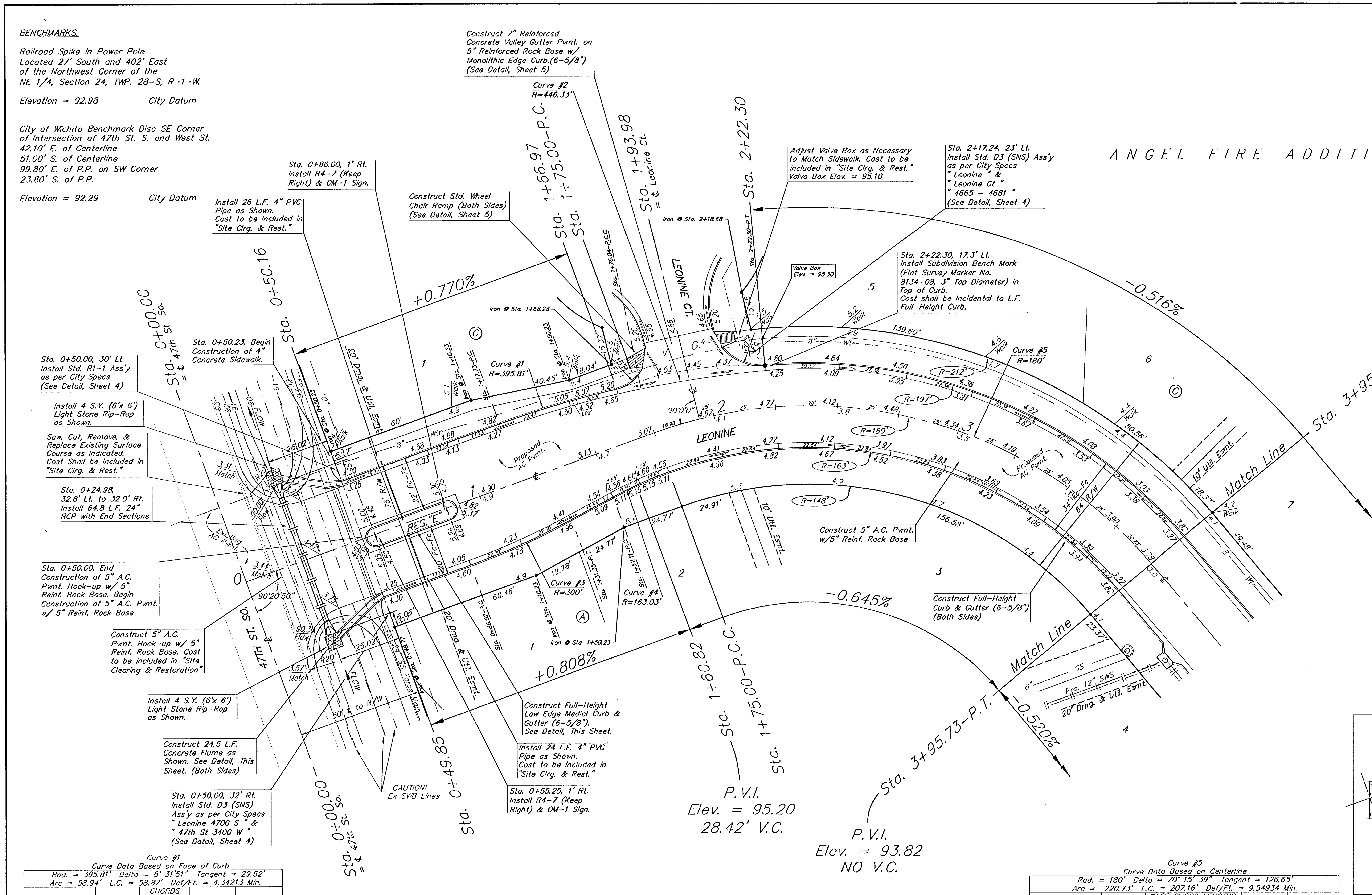
BENCHMARKS:

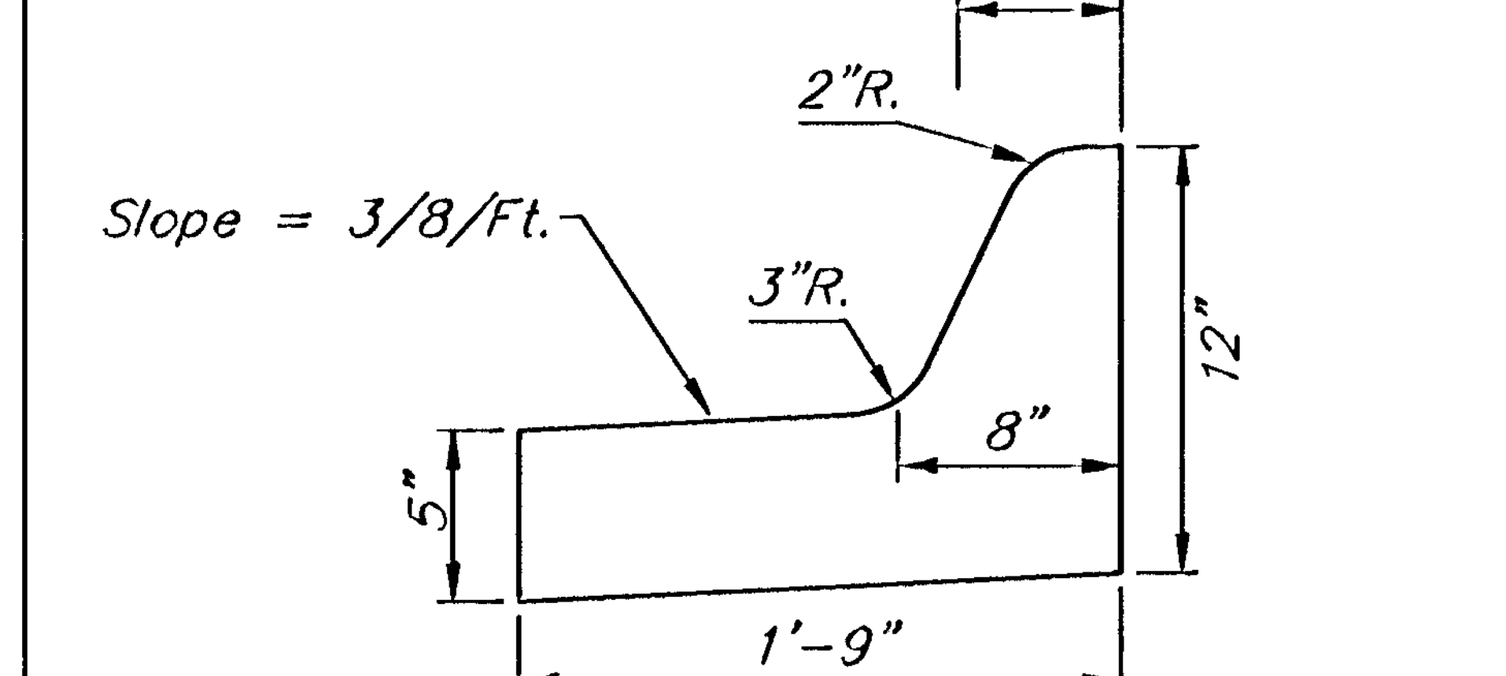
Railroad Spike in Power Pole
Located 27' South and 402' East
of the Northwest Corner of the
NE 1/4, Section 24, TWP. 28–S, R–1–W.

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.

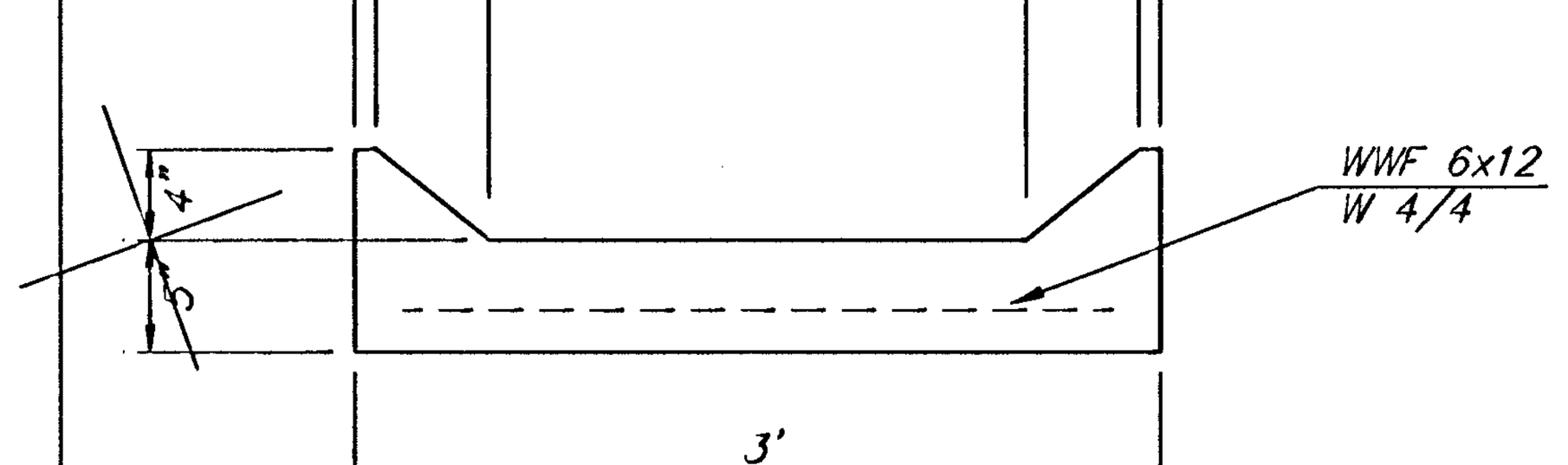
Elevation = 92.29 City Datum





Medial Curb Detail
(Low Edge)
Not to Scale

Note: To be paid as Medial Curb & Gutter (6 5/8")



CONCRETE FLUME
TYPICAL DETAIL
All costs for constructing concrete flume to be included in bid item L.F. "Concrete Flume".

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.

Station	Arc	CHORDS 8 Lt.	Defl.	T. Defl.
0+00	–	–	0°00'00"	0°00'00"
0+29.47	29.47'	30.06'	2°07'58"	2°07'58"
0+58.94	29.47'	30.06'	2°07'58"	4°15'56"

Curve #2
Curve Data Based on Face of Curb

Rad. = 446.33' Delta = 6° 31'30" Tangent = 25.44'
Arc = 50.83' L.C. = 50.80' Def/Ft. = 3.85107 Min.

Station	Arc	CHORDS 8 Lt.	Defl.	T. Defl.
0+00	–	–	0°00'00"	0°00'00"
0+25.42	25.42'	25.87'	1°37'54"	1°37'54"
0+50.83	25.41'	25.86'	1°37'51"	3°15'45"

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.

Station	Arc	CHORDS 8 Rt.	Defl.	T. Defl.
0+00	–	–	0°00'00"	0°00'00"
0+22.30	22.30'	22.89'	2°07'45"	2°07'45"
0+44.60	22.30'	22.89'	2°07'45"	4°15'30"

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.

Station	Arc	CHORDS 8 Rt.	Defl.	T. Defl.
1+57.11	–	–	0°00'00"	0°00'00"
1+60.82	10.56'	11.08'	1°51'20"	1°51'20"
1+62.40	1.59'	1.67'	0°16'46"	2°08'06"
1+75.00	12.62'	13.24'	2°13'03"	4°21'10"

Curve #5
Curve Data Based on Centerline

Rad. = 180' Delta = 70° 15' 39" Tangent = 126.65'
Arc = 220.73' L.C. = 207.16' Def/Ft. = 9.54934 Min.

Station	Arc	FACE CHORD LENGTHS 8 Lt.	8 Rt.	Defl.	T. Defl.
1+75.00	–	–	–	0°00'00"	0°00'00"
1+93.98	18.98'	19.81'	18.13'	3°01'15"	3°01'15"
2+00.00	6.02'	6.29'	5.75	0°57'29"	3°58'44"
2+22.30	22.30'	23.28'	21.30'	3°32'57"	7°31'41"
2+25.00	2.70'	2.82'	2.58'	0°25'47"	7°57'28"
2+50.00	25.00'	26.10'	23.88'	3°58'44"	11°56'12"
2+75.00	25.00'	26.10'	23.88'	3°58'44"	15°54'56"
3+00.00	25.00'	26.10'	23.88'	3°58'44"	19°53'40"
3+25.00	25.00'	26.10'	23.88'	3°58'44"	23°52'24"
3+50.00	25.00'	26.10'	23.88'	3°58'44"	27°51'08"
3+75.00	25.00'	26.10'	23.88'	3°58'44"	31°49'52"
3+95.73	20.73'	21.64'	19.80'	3°17'58"	35°07'50"

ANGEL FIRE ADDITION - PHASE 1
LEONINE
STREET & INCIDENTAL STORM WATER SEWER

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316–262–7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER 472-83292
SHEET 6 OF 28

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP/AEG	AEG		3/28/01	NOTED

F:angelfire\str1 00–11–E848