BENCHMARKS:
C.O.W. Disc SE Corner West St. & 47th S.
Elev. = 92.29 (City Datum)

RR Spike in N. face of power pole, SE Corner
47th So. & Kessler
Elev. = 91.74 (City Datum)

"□" Cut in Top of Curb Adjacent to the NW
Corner Lot 27, Block C.
Elev. = 93.57 (City Datum)

20 0 20
Scale: 1" = 20'
• = Iron

See Sheet 26 for Entrance Culvert & Ditch Grading

Sta. 0+50
P.V.I. Elev. = 95.20 No V.C.
Sta. 1+62.82
Sta 1+99 ℄ ANGEL Ct.
Sta. 2+22.41–PC
P.V.I. (Elev. = 94.80 No V.C.
Sta. 2+31.01

Install four 4" PVC pipes two 26'(Lt.) & two 24'(Rt.) long 1' below rock. Cap each end. Mark End of Pipes with Wooden Stake Painted Pink. Cost subsidiary to Pavement Cost.

Construct 7" reinforced concrete valley gutter pvmt. with monolithic curb (6 ⅝")

−0.533%

Sta 0+52.00, 30' Lt.
Install R1–1 (stop) sign.

West Line of Sec. 13 TWP. 28–S, R–1–W

Sta. 2+48.77, 17.00' Rt.
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.

ANGEL FIRE ADDITION

−0.496%

Sta. 0+55.75 & 0+86.02, 1' Rt.
Install R4–7 (keep right) & OM–1 sign.

Sta. 2+23.00, 28' Lt.
Install Std. D3 (SNS) ass'y as per City specs. "Angel" & Metro "Angel Ct. (3902–3922)" (See Detail, Sheet 5)

Construct 5" A.C. Pavement W/ 5" Reinf. Rock Base.

Contractor shall fill and grade pavement hookup area from edge of new asphalt pavement (by others) to existing fill near street r/w line, and compact to a minimum of 95% Standard Proctor Density. Cost to be incidental to 5" AC mat Pavement.

RESERVE "B"

Sta. 0+00 Begin Construction 5" A.C. Pavement W/ 5" Reinf. Rock Base.

Saw Cut, Remove & Replace 2' Existing Surface Course as Indicated. Cost Shall be Included in "Site Clearing"

Construct Full–Height Low Edge Medial Curb & Gutter (6 ⅝") per detail, Sheet 4. Median shall be filled with Friable Select Fill Material.

Sta. 0+52.00, 30' Rt.
Install Std. D3 (SNS) Ass'y as per City Specs
Metro "West St. (4600 S)" & "Angel (3900 W)" (See Detail, Sheet 5)

Construct 4' Wide Concrete Sidewalk (4")

Valve Box Elev. = 95.34

Manhole Top Elev. = 95.20

Valve Box Elev. = 94.80

Construct Std. Comb. Roll–Type Curb & Gutter (3–5/8") (Both Sides)

−0.533%
−0.593%
−0.603%

P.V.I. Elev. = 93.80 No V.C.

Sta. 4+14.72–PRC Match Line

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

Curve #1
Curve Data Based on Face of Curb
Rad. = 300' Delta = 5°42'28" Tangent = 14.96'
Arc = 30.84' L.C. = 29.87' Def./Ft. = 5.55231 Min.

		Face Chord Lengths		
Station	Arc	8' Left	Defl.	Total Defl.
A	–	–	0°00'00"	0°00'00"
B	6.77'	5.92'	0°33'03"	0°33'03"
C	9.82'	10.08'	0°56'16"	1°29'19"
D	14.30'	14.68'	0°05'27"	2°51'14"

Curve #2
Curve Data Based on Face of Curb
Rad. = 300' Delta = 5°42'48" Tangent = 14.97'
Arc = 29.87' L.C. = 29.90' Def./Ft. = 5.73820 Min.

		Face Chord Lengths		
Station	Arc	8' Right	Defl.	Total Defl.
E	–	–	0°00'00"	0°00'00"
F	5.41'	5.55'	0°31'00"	0°31'00"
G	10.20'	10.47'	0°58'25"	1°29'25"
H	14.31'	14.69'	1°21'59"	2°51'24"

Curve #3
Curve Data Based on Face Curb
Rad. = 300' Delta = 5°43'22" Tangent = 14.99'
Arc = 29.96' L.C. = 29.95' Def./Ft. = 5.73042 Min.

		Face Chord Lengths			
Station	Arc	8' Left	8' Right	Defl.	Total Defl.
I	–	–	–	0°00'00"	0°00'00"
J	20.44	20.98'	19.89'	1°57'08"	1°57'08"
K	9.52	9.77'	9.27'	0°54'33"	2°51'41"

Curve #4
Curve Data Based on Centerline
Rad. = 175' Delta = 89°43'01" Tangent = 174.14'
Arc = 193.31' L.C. = 246.88' Def./Ft. = 13.92328 Min.

		Face Chord Lengths			
Station	Arc	8' Left	8' Right	Defl.	Total Defl.
2+21.41	–	–	–	0°00'00"	0°00'00"
2+25.00	3.59'	5.82'	4.36'	0°49'59"	0°49'59"
2+50.00	25.00'	40.43'	30.32'	5°48'05"	6°38'04"
2+75.00	25.00'	40.43'	30.32'	5°48'05"	12°26'09"
3+00.00	25.00'	40.43'	30.32'	5°48'05"	18°14'14"
3+25.00	25.00'	40.43'	30.32'	5°48'05"	24°02'19"
3+50.00	25.00'	40.43'	30.32'	5°48'05"	29°50'24"
3+75.00	25.00'	40.43'	30.32'	5°48'05"	35°38'29"
4+00.00	25.00'	40.43'	30.32'	5°48'04"	41°26'33"
4+14.72	14.72'	23.83'	17.87'	3°24'58"	44°51'31"

VALVE LOCATION TABLE

VALVE NUMBER	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
V1	1+76.12	24	Rt.
V2	2+48.70	24	Rt.

Paving contractor will be responsible to operate all water valves on the project, in the presence of the inspector, to ensure accessibility to the valves, and that all valves are left in the "ON" position when the project is completed."

Baughman Company, P.A. 315 Ellis St. Weldon, KS 67211 P 316.303.2271 F 316.303.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

ANGEL FIRE ADDITION PH. 2
ANGEL
STA. 0+00 - 4+14.72
STREET/ SWS IMPROVEMENTS

PROJECT NUMBER 472-84886
REVISIONS:
DESIGN AEG
DRAWN TNT
APPROVED AEG
DATE 05/12/2010
SCALE NOTED
SHEET 11 OF 46

E:\Projects\Angel Fire\Ph. 2\STR 10-02-E456