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 25 for Entrance Culvert & Ditch Grading

Construct 25 L.F. Both Sides Concrete Flume. See detail Sheet 6

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

Sta. 0+54 & 0+86.02, 1' Rt. Install R4-7 (keep right) & om1 sign.

South Line of Sec. 13 TWP. 28-S, R-1-W

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.

Sta 0+50, Begin construction of 5" A.C. pvmt. W/5" reinf. rock base and 4' Sidewalk (4" Thick)

Construct Full-Height Low Edge Medial Curb & Gutter (6 5/8") 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 "47TH ST. S. (3600 W)" & Metro "KESSLER (4700 S)" (See Detail, Sheet 5)

Sta 0+50.00, 30' Lt. Install R1-1 (stop) sign.

Install four 4" PVC pipes two 28'(Lt.) & two 26'(Rt.) long under pavement. Cap each end. Mark End of Pipes with Wooden Stake Painted Pink. Cost subsidiary to Pavement Cost.

Construct Std. Wheel Chair Ramp (See detail, Sheet 6)

Construct std. comb. rool type curb & gutter (3-5/8")

Valve Box (N,S,& E) Elev. = 94.10

Construct 7" reinforced concrete valley gutter pvmt. with monolithic curb (6 5/8")

P.V.I. Elev. = 92.50 60' V.C.

Construct 5" A.C. pavement W/ 5" reinf. rock base.

Valve Box Elev. = 92.50

Valve Box Elev. = 92.50

Sta. 2+29.14, 28' Lt. Install Std. D3 (SNS) ass'y as per City specs. "Kessler" & "Angel" (See Detail, Sheet 5)

Sta. 3+69.85 Construct std. type 1A inlet hookups & inlet sediment barriers, both sides (See detail, sheet 27)

Sta 3+80.85, End Construction of 5" A.C. Pvmt. W/5" Reinf. Rock Base and 4' Sidewalk (4" Thick)

Sta. 3+80.85, 4' Lt. & Rt. Install End of Road Markers (Red) as Shown. (See Detail, Sheet 5.)

Contractor to install straw bale barrier per detail, Sheet 34

Construct Std. Wheel Chair Ramp (Both Sides) (See detail, Sheet 6)

Construct 4' wide sidewalk (4" Thick)

Manhole Top Elev. = 93.20

Manhole Top Elev. = 94.80

Sanitary Sewer Contractor will adjust manhole to Elev. = 93.44. Contractor shall adjust manhole as necessary to match final pavement grade.

Sta. 1+70.87, 26' Rt. Install Std. D3 (SNS) ass'y as per City specs. "Kessler & Metro SNS "Kessler Ct (4742-4770)" (See Detail, Sheet 5)

Construct 7" reinforced concrete valley gutter pvmt. with monolithic curb (6 5/8")

P.V.I. Elev. = 92.50 60' V.C.

Sta 0+50 | Sta 1+65.91 | Sta 2+02 =℄ KESSLER CT. | Sta 2+35.82 | Sta 3+69.85

-0.529% | +0.516% | -0.970% | +0.526%

ANGEL FIRE ADDITION

KESSLER | KESSLER CT | 47th ST. S.

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.

VALVE LOCATION TABLE

VALVE NUMBER	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
V4	1+76.25	26	Lt.
V5	3+65.88	26	Lt.
V6	3+90.88	28	Lt.

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."

Curve #8
Curve Data Based on Face Curb
Rad. = 250' Delta = 6°25'16" Tangent = 14.02'
Arc = 28.05' L.C. = 28.00' Def./Ft. = 6.86750 Min.

		Face Chord Lengths		
Station	Arc	8' Left	Defl.	Total Defl.
L	–	–	0°00'00"	0°00'00"
M	3.06	3.15'	0°21'01"	0°21'01"
N	9.41	9.70'	1°04'37"	1°25'38"
O	15.58	16.06'	1°47'00"	3°12'38"

Curve #9
Curve Data Based on Face Curb
Rad. = 250' Delta = 6°05'24" Tangent = 13.30'
Arc = 26.57' L.C. = 26.56' Def./Ft. = 6.87618 Min.

		Face Chord Lengths		
Station	Arc	8' Right	Defl.	Total Defl.
P	–	–	0°00'00"	0°00'00"
Q	2.56	2.64'	0°17'36"	0°17'36"
R	9.30	9.60'	1°03'57"	1°21'33"
S	14.71	15.18'	1°41'09"	3°02'42"

Baughman

ANGEL FIRE ADDITION PH. 2
KESSLER
STREET/ SWS IMPROVEMENTS

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.262.7271 F 316.262.0549
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84886
REVISIONS:

DESIGN ABG DRAWN TNT
APPROVED ABG DATE 05/12/2010
SCALE NOTED
SHEET 17 OF 46

E:\Projects\Angel Fire\Ph. 2\STR 10-02-B456