BENCHMARKS:
BM#1: "□" Cut in top of curb, east return of SE corner of Lotus & Parkridge.
Elev. = 145.99 (City Datum)

BM #2: "X" Cut on walk at NW corner of Lot 1, Block F, Flat Creek Addition
Elev. = 146.22 (City Datum)

BM #3: "□" Cut in top of curb at the NW corner of Lot 1, Block B, Hunter's Ridge Addition.
Elev. = 146.63 (City Datum)

Curve #1
Curve Data Based on Centerline
Rad. = 150' Delta = 90° 00' 00" Tangent = 150.00'
Arc = 235.62' L.C. = 212.13' Def/Ft. = 11.45864 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
3+90.87	–	–	–	0°00'00"	0°00'00"
4+00.00	9.13'	7.61'	10.65'	1°44'37"	1°44'37"
4+25.00'	25.00''	20.81'	29.13'	4°46'28"	6°31'05"
4+50.00	25.00''	20.81'	29.13'	4°46'28"	11°17'33"
4+75.00	25.00''	20.81'	29.13'	4°46'28"	16°04'01"
4+81.92	6.92'	5.77'	8.07'	1°19'18"	17°23'19"
5+00.00	18.08'	15.06'	21.08'	3°27'10"	20°50'29"
5+25.00'	25.00''	20.81'	29.13'	4°46'28"	25°36'57"
5+36.87	11.87'	9.89'	13.84'	2°16'01"	27°52'58"
5+50.00	13.13'	10.94'	15.31'	2°30'27"	30°23'25"
5+75.00	25.00''	20.81'	29.13'	4°46'28"	35°09'53"
6+00.00	25.00''	20.81'	29.13'	4°46'28"	39°56'21"
6+25.00'	25.00''	20.81'	29.13'	4°46'28"	44°42'49"
6+26.50	1.50'	1.25'	1.75'	01°71'11"	45°00'00"

Scale: 1" = 20'
• = Iron

Regrade as necessary to provide for positive drainage. (Both sides). (Cost of Regrading to be included in Pipe Cost).

Construct 25 L.F. Concrete Flume Each Side as Shown. (50 L.F. Total) See Detail, This Sheet.

Sta. 0+00 = ℄ 119th St. West

Sta. 0+50.00

Sta. 1+94.87

Sta. 2+28.87 = ℄ Grant Ct.

Sta. 2+62.87

Sta. 3+90.87

Sta. 4+26.49

Sta. 5+36.87

Sta. 5+09.29 = ℄ Grant Ct.

Sta. 4+81.92

P.V.I. Elev. = 146.47 NO V.C.

P.V.I. Elev. = 147.94 NO V.C.

P.V.I. Elev. = 148.80 30' V.C.

P.V.I. Elev. = 147.94 NO V.C.

P.V.I. Elev. = 146.47 NO V.C.

+0.690%

-0.516%

-0.704%

-0.535%

+0.671%

-0.532%

-0.534%

FLAT CREEK ADDITION

GRANT CT.

GRANT

Sta. 0+50.00, 25' Lt. Install R1-1 (Stop) Sign.

Sta. 0+50.00 Begin Construction of 4' Concrete Sidewalk.

Trans. through Wheelchair Ramps.

Const. 4' Wide Concrete Sidewalk.

Valve Box Elev. = 148.70

Const. Std. Wheelchair Ramps. (Both sides). (See detail, sheet 5).

Sta. 2+55.00, 24' Lt. Install Std. D3 (SNS) Ass'y "Grant" & Metro D3 "Grant Ct" "11803-11827". 11902-11942 (See detail, sheet 4)

Adjust Existing Sanitary Sewer Manhole from Elev. 148.60 to Elev. 148.10 Cost to be included in Bid Item "MH Adjustment w/o New Ring & Cover."

Sta. 4+81.92, 17.25' Rt. Install subdivision benchmark (Flat Survey Marker No. 8134-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. Roll-Type Curb & Gutter.

Valve Box Elev. = 147.50

Valve Box Elev. = 147.40

Valve Box Elev. = 148.65

Valve Box Elev. = 147.30

Valve Box Elev. = 147.44

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

Const. Roll-Type Curb & Gutter (3-5/8"). (Both sides)

Const. 7" Reinforced Concrete Valley Gutter Pvm't on 5" Reinf. Rock Base/w Monolithic Edge Curb (3-5/8"). (See detail, sheet 5)

Sta. 0+50.00, 25' Rt. Install Std. D3 (SNS) Ass'y Per City Specs. "119th St 2200 S" & "Grant 11900 W". (See detail, sheet 5)

Sta. 4+86.00, 26' Rt. Install Std. D3 (SNS) Ass'y "Grant" & Metro D3 "Grant Ct" "11902-11942" - 11803-11827 (See detail, sheet 4)

Saw, cut, remove & replace 2" existing surface course as indicated. Cost shall be included in "R/W Clearing and Site Restoration".

Const. 5" A.C. Pavement Hook-up on 5" Reinf. Rock Base. Install 60.0 L.F. 18" RCP as shown. Install 6 S.Y. Light Stone Rip-Rap as Shown (Both Sides.)

CAUTION! Seminole Transportation and Gathering Gas Line. Contractor to contact Roger Phifer 316-253-2070 one week prior to construction.

Existing Pvm't

Edge of Asphalt

Ex. O/H Elec. Line

Ex. STG Gas Line

Iron @ Sta. 0+48.75

5' Wat. Esm't

20' Util. Esm't

10' Util. Esm't

Ex. 8" Wtr.

Proposed Pvm't

Iron @ Sta. 2+57.87

Iron @ Sta. 4+85.29

Iron @ Sta. 5+53.29

Match Line

Curve #1

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.

CONCRETE FLUME TYPICAL DETAIL

WWF 6x12 W 4/4

FLAT CREEK ADDITION - PHASE II

GRANT

STA. 0+00 TO STA. 8+28.49

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

PROJECT NUMBER 472-83384

SHEET 6 OF 43

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	ESB/CNX		8/21/02	NOTED

FlatCreek Ph2 | Str1