

Andrew Hurst
 Houston St.
 Algoa, TX 77511
 New Algoa
 Block 81
 Lots: 1, 2, 3, 4 & 5
 Acreage: .5739
 Galveston County

Calculations:
 Proposed 6 RV Trailers
 Wastewater Flow Per TCEQ Chapter 285 = 40 GPD
 (Use 50 GPD for this design)
 6 RV's x 50 GPD = 300 Gallons Per Day
 Soil Class: III (Sandy Clay)
 Ra: .15
 Drip Area Required: 300 GPD / .15 = 2000 Sq. Ft. / 1000 Linear Feet
 Drip Area Provided: 2800 Sq. Ft. / 1400 Linear Feet
 (14 Lines @ 100' long, looped on ends)

Legend:
 A: 3" or 4" SCH 40 PVC Two-Way Clean Out
 B: 3" or 4" SCH 40 PVC Sewer pipe
 C: 500 Gallon Pretreatment Tank
 D: 600 Gallon Aerobic Treatment Unit
 E: 750 Gallon Pump Tank
 -equipped with a self cleaning 100 Micron Filter
 F: 1" SCH 40 Supply & Return Lines
 bh: Bore Hole
 vb: Vacuum Breaker

Dosing Schedule:
 Using Geoflow PC .53 GPH Tubing:
 Set timer to dose drip field for approximately
 15 minutes every 5 3/4 - 6 hours.

Note:
 Water lines shall be steeved
 if they are within 10' of septic tank
 or sewer lines

Note:
 Installer shall not install tubing lower
 than 6" into native soil. Crown the
 field with Class II or Class III soil
 to promote storm water run off.

SCALE: 1" = 40'



Slope: Less Than 6%

Flood Plain Determination:
 Site is NOT located in the Flood Plain

Impervious Surface: 6 pads @ 600 Sq. Ft. Each = 3600 Sq. Ft. Total
 Lots Combined = 26000 Sq. Ft.
 Percentage of Impervious Surface Area = 12 %
 Per Building Department Regulations,
 Less than 10 Connections & Less Than 26 % Impervious
 Surface Coverage = No Detention/ Drainage Requirements
 (However, it is highly encourage to create a drainage swale
 along property boundaries to prevent future drainage problems
 and complaints)

TITLE COMPANY:

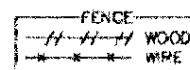


281-996-8839

C.F. # FW1319281

ISSUE DATE: 8-2-2013

LEGEND



SET 1/2" W/CAP MARKED "SURVEY 1"

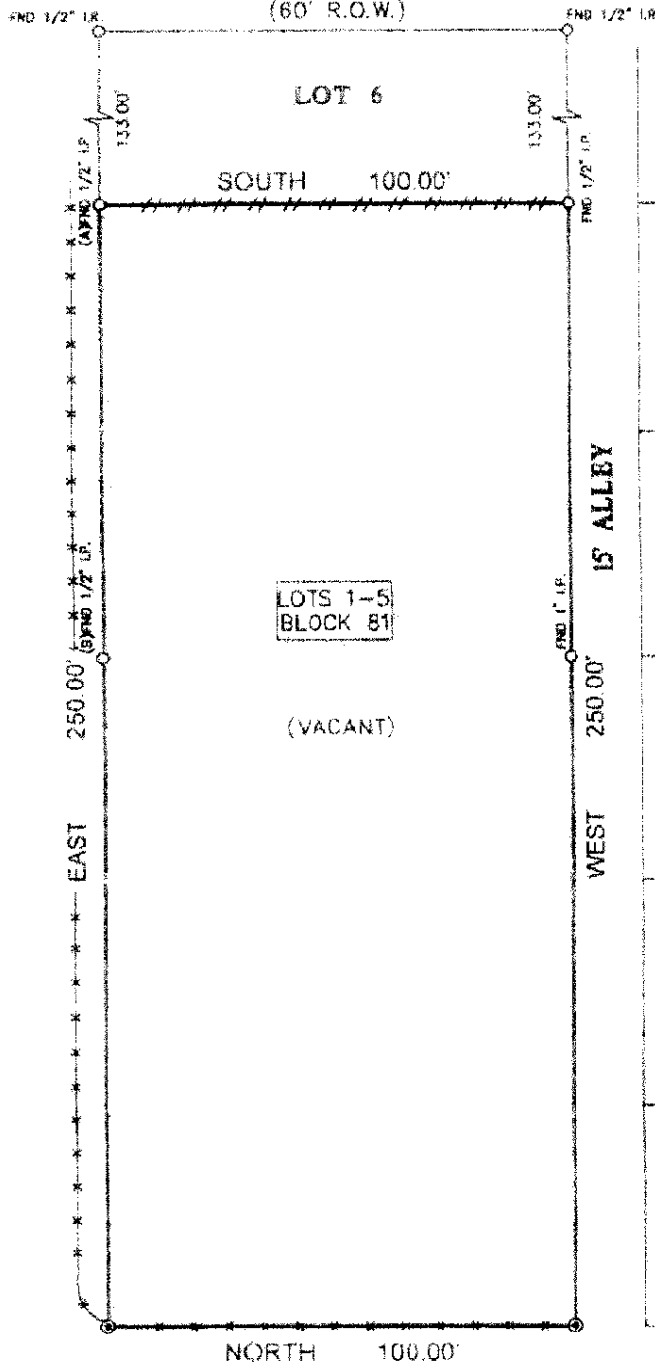
AVENUE C

(60' R.O.W.)

SCALE 1" = 40'



HOUSTON STREET
(60' R.O.W.)



NORTH 100.00'

AVENUE B

(60' R.O.W.)

NOTES:

1. ALL BEARINGS SHOWN HEREON ARE AS ASSUMED. POINTS (A) AND (B) WERE HELD FOR HORIZONTAL CONTROL.
2. FLOOD INFORMATION IS BASED ON THE NATIONAL FLOOD INSURANCE PROGRAM'S FLOOD INSURANCE RATE MAP FOR THE COUNTY LISTED BELOW.
3. ABSTRACT INFORMATION FOR THE SUBJECT TRACT WAS PROVIDED BY THE TITLE INSURANCE COMPANY