DESCRIPTION

STATE OF TEXAS
COUNTY OF SAN JACINTO

TRACT 1

BEING all of that tract of land in San Jacinto County, Texas, out of the J. Davis Survey, A-13, and being part of Lot 337 of Lake Side Village II as recorded in Volume 7, Page 36 of the Plat Records of San Jacinto County, Texas, and being further described as follows:

BEGINNING at a ½ inch steel rod set in the North line of Shoreline Drive at the Southwest corner of said Lot 337, and at the Southeast corner of Lot 338;

THENCE North 08 degrees 47 minutes 23 seconds East, 273.21 feet to a ½ inch steel rod found at the North corner of said Lot 337;

THENCE South 07 degrees 24 minutes 43 seconds East, 39.56 feet to ½ inch steel rod set in the North line of said Lot 337;

THENCE South 82 degrees 35 minutes 17 seconds West, 5.00 feet to a ½ inch steel rod set;

THENCE South 04 degrees 37 minutes 21 seconds East, 253.91 feet to a ½ inch steel rod set in the North line of said Shoreline Drive, and in the South line of said Lot 337;

THENCE along the North line of Shoreline Drive as follows:

South 80 degrees 50 minutes 45 seconds West, 15.08 feet to a ½ inch steel rod found;
North 71 degrees 55 minutes 40 seconds West, 35.33 feet to a point;
North 43 degrees 56 minutes 36 seconds West, 20.00 feet to the Point of Beginning, containing 0.207 acres of land.

The description shown hereon was prepared from an on-the-ground survey performed under my supervision during the month of June 2012.
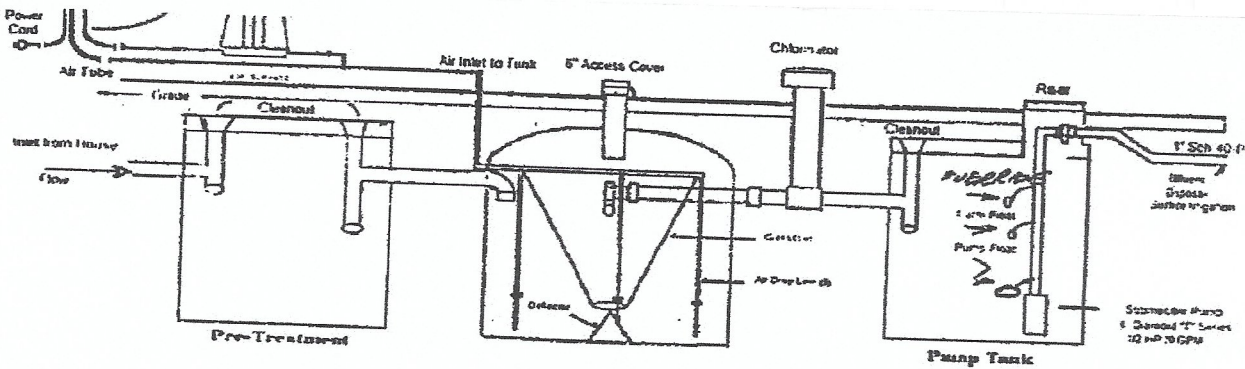
June 4, 2012

Landon Smith
R.P.L.S. No. 5969

Plat Attached:
Job Number 1205-014

DESIGN SUMMARY

Effluent from one 500 gallon tank will flow to a Whitewater DF 50 aerobic treatment plant, through a Whitewater tablet chlorinator to a 500 gallon pump tank. A Gould 10 EJ or equivalent, ½ HP pump discharges the "Class I" effluent to the surface through 4 Rainbird sprinkler heads. Spray area shall be graded and if necessary, swales installed to provide positive drainage away from the spray area to prevent ponding or pooling. The land owner shall be responsible to have the area sodded or have grass growth before use. Equipment specified in this design may be substituted for equipment of equivalent specifications
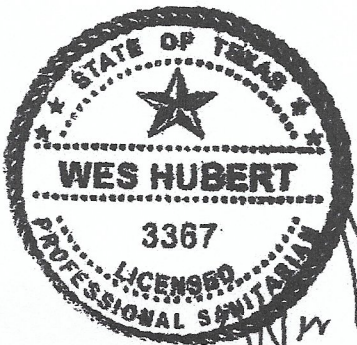
SPRAYFIELD CALCULATIONS

A 3 bedroom residence rated at 300 gallons/day, the flow is reduced by 20% due to the use of low flow devices which lowers the daily flow to 240 gallons/day divided by the sewerage application rate (.041 gallons/foot, squared equals the required area of 5854 sq. ft.). The sprayfield is designed at 6077 sq. ft.

DESIGN PARAMETERS

1. Estimated Daily Flow
2. Application Rate
3. Area Designed

300] gallons/day
.041 gal/Sq. Ft./day
6077 Sq. Ft.

EQUIPMENT SPECIFICATIONS

1. Pretreatment Tank
2. Aerobic Unit
3. Pump Tank
4. Pump
5. Chlorinator
6. Sprinklers

500 gallon
Whitewater DF 50
500 gallon
Gould 10 EJ or equiv, ½ HP
Whitewater Tablet
Rainbird Maxibird

STERLING ENVIRONMENTAL	22973 Continental Quarters
PROFESSIONAL SANITARIAN STATE LICENSE 3367	Montgomery, Texas 77316 (409) 597-5558 (409) 539-2955 Fax

SCALE: 1" = 40'	DATE: 18 December 2000	DRAWN BY: KC	DRAWING: Luscomb1.Skd

Gary Luscomb Lot 338 Lakeside Village

County or Agency: TRA	Address: Shoreline Drive		Job Number:

STATE OF TEXAS
WES HUBERT
3367
LICENSED
PROFESSIONAL SANITARIAN
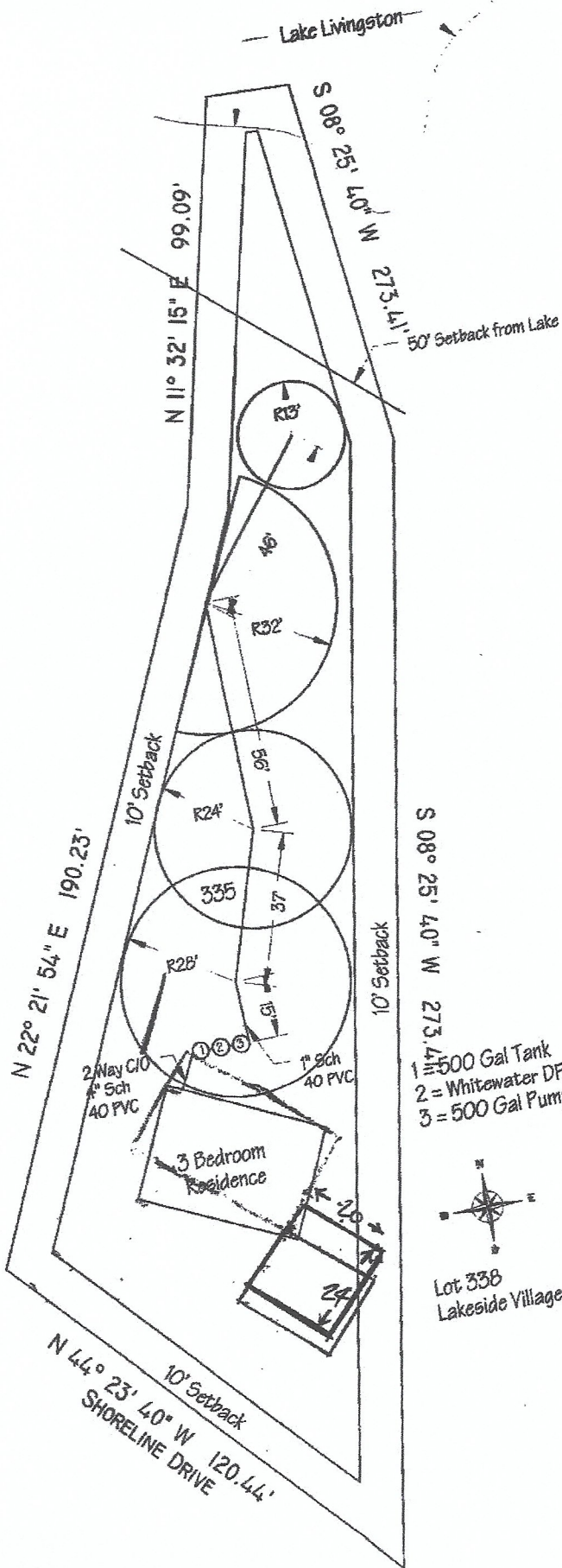
Bedrooms	Flow in Gallons	Low Flow Devices	Req'd Active Capacity	Rate	
3	300	240	320	0.041	5

Pump Tank Specs

Height in Inches	Height in Feet	Inside Diameter in Inches	Inside Radius In Feet	Volume in Cubic Ft.	Vo Ga
52.00	4.33	52.5	2.19	65.14	48
Gallons Per Inch	Pump Off Level in inches	Dead Space Gallons	Active Capacity Gallons	High Water Alarm on in Inches	
9.37	12	112.45	374.82	37.61	

Sprinkler Head Number	Radius in Feet	Degree of Spray	Area Sq. Ft. Covered
1	28	360	2463
2	24	360	1810
3	32	180	1608
4	13	360	531
		Sub-Total	6412
		Overlap	335
		Total	6077

Lake Livingston

S 08° 25' 40" W 273.41'

50' Setback from Lake

N 11° 32' 15" E 99.09'

R13'

46'

R32'

10' Setback

56'

N 22° 21' 54" E 190.23'

R24'

335

37

R28'

15'

2 Way C/O
1" Sch
40 PVC

1" Sch
40 PVC

S 08° 25' 40" W 273.41'

10' Setback

① ② ③

1 = 500 Gal Tank
2 = Whitewater DF 50
3 = 500 Gal Pump Tank

3 Bedroom Residence

20'

24'

Lot 338
Lakeside Village

N 44° 23' 40" W 120.44'
SHORELINE DRIVE

10' Setback

Lake Livingston

1/2"SRF
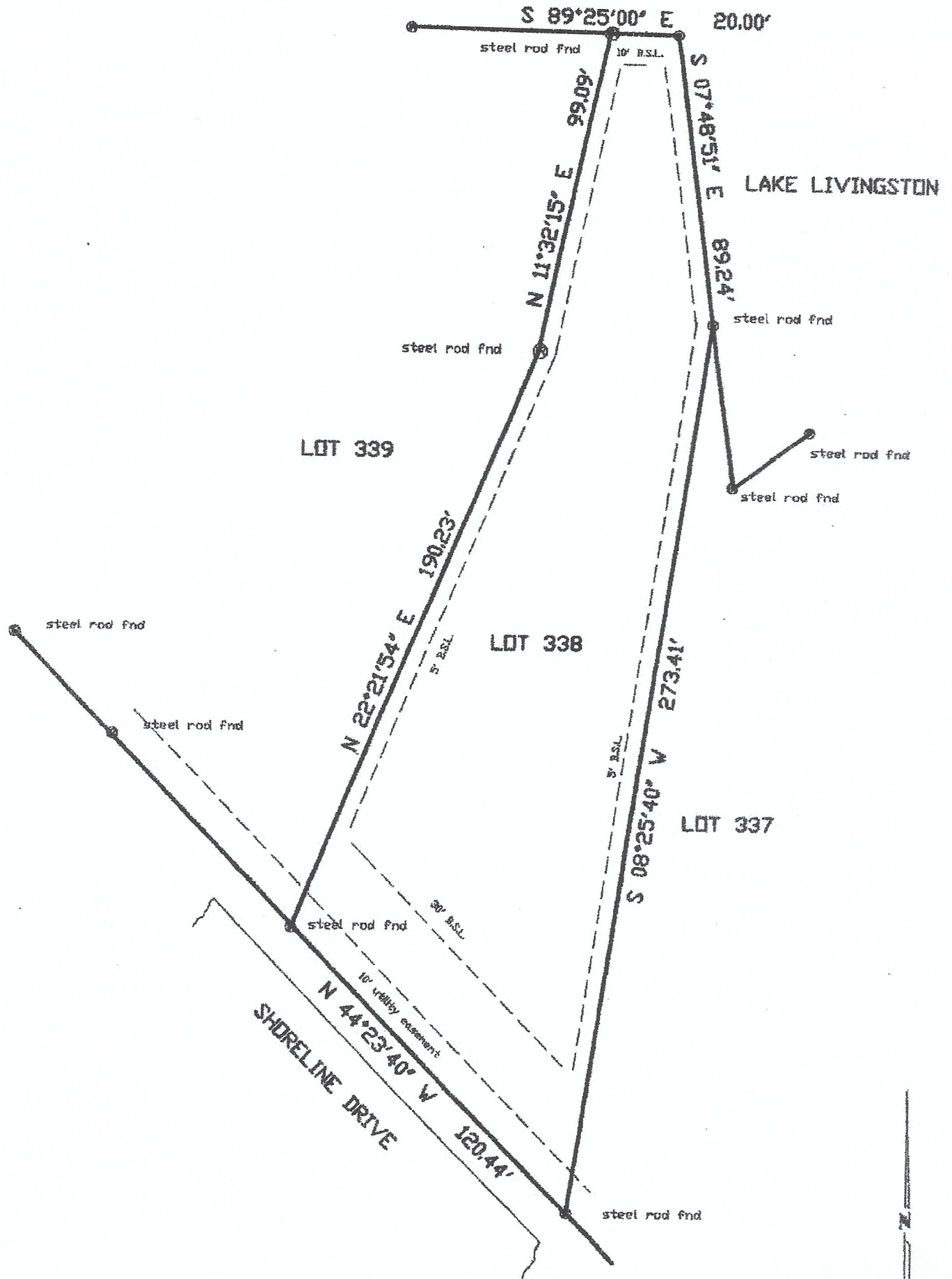
1" = 40'

LINE	BEARING	DISTANCE
L1	S 07°24'43" E	39.56'
L2	S 07°24'43" E	10.46'
L3	S 82°35'17" W	5.00'
L4	N 52°56'23" E	29.10'
L5	S 80°50'45" W	41.73'
L6	S 80°50'45" W	15.08'
L7	N 71°55'40" W	35.33'
L8	N 43°56'36" W	20.00'

1/2"SRS

L1

L3   L4

L2   1/2"SRF

1/2"SRF

1/2"SRS

10' BL

5' Building Line

S 07°12'05" E (Bearing Basis)

Lot 338
Lakeside Village II
7-36

273.21'

5' Building Line

S 04°37'21" E

5' Building Line

253.91'

5' Building Line

TRACT 1
0.207 ACRES

Part of
Lot 337

N 08°47'23" E

TRACT 2
0.207 ACRES

Part of
Lot 337

Awning

256.28'

Lot 336
Lakeside Village II
7-36

Tract 1
Point of
Beginning

1/2"SRF
L8

L7

30' BL

30' BL

L6

L5   1/2"SRF

1/2"SRF   1/2"SRS

Tract 2
Point of
Beginning

Overhead Electric

Shoreline Drive
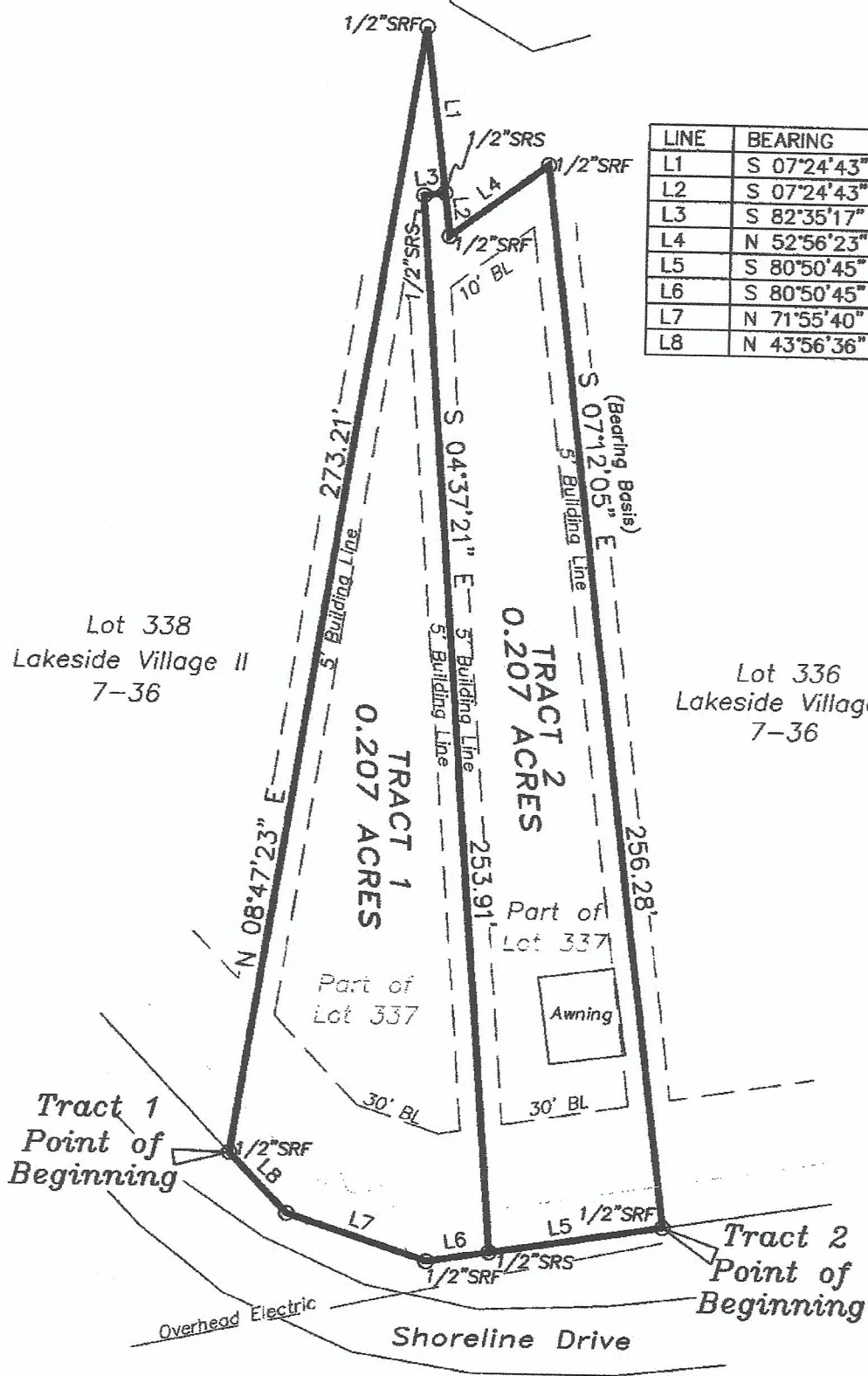
The plat as shown hereon was prepared from an on-the-ground survey performed under my supervision during the month of June, 2012; there are no visible easements, encroachments or protrusions except as shown hereon.

June 4, 2012