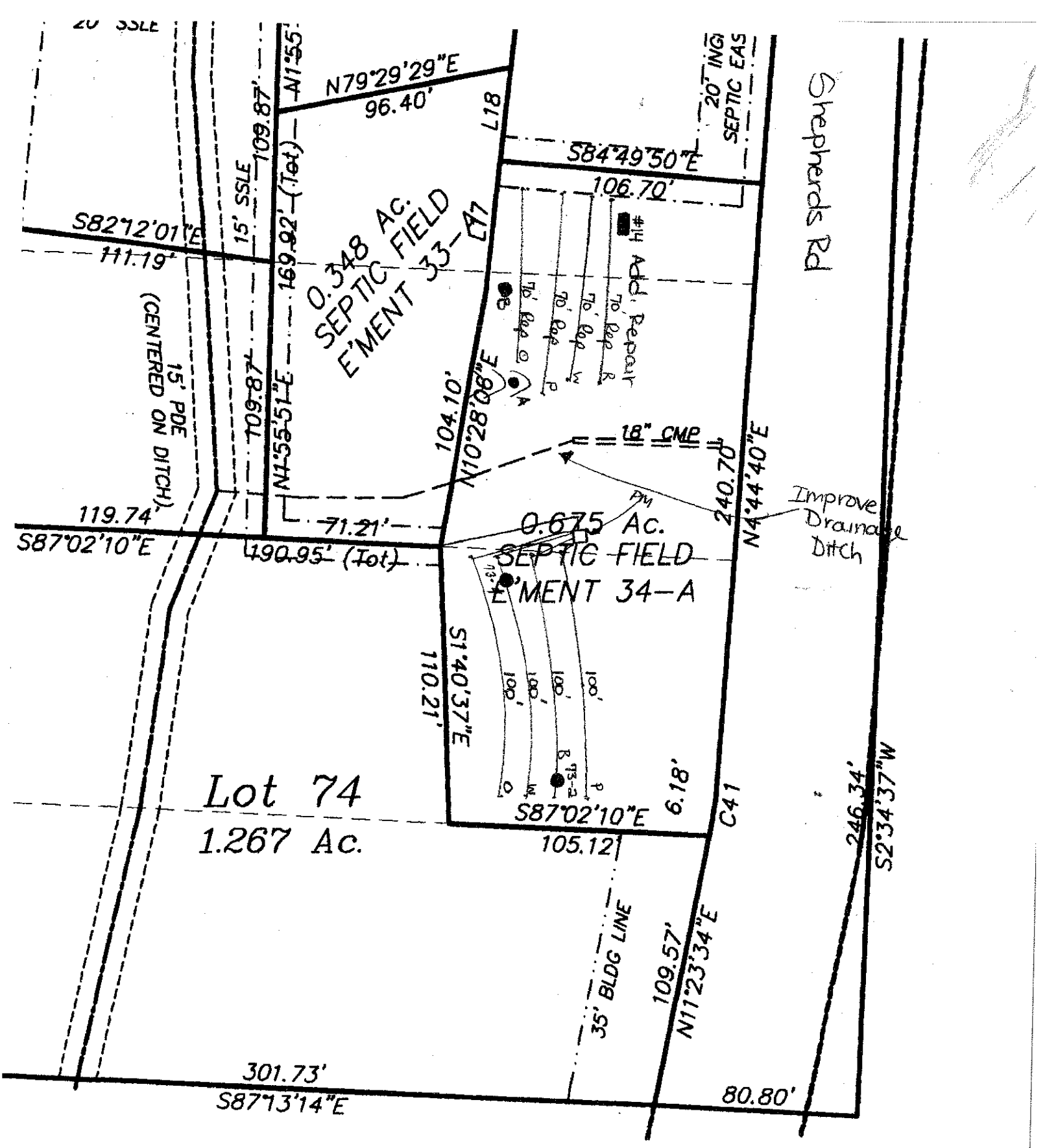
35' FRONT SETBACK
S11
193'
79'
78'
82'
150'
150'
150'
Drive
well
.89 ACRES
38,827 SQFT
33
.78 ACRES
34,107 SQFT
34
652
221'
220'
ST
PT
.76 ACRES
32,990 SQFT
35
20' supply Line Easement
160'
110'
110'
110'
110'
.78 ACRES
33,867 SQFT
72
.77 ACRES
33,545 SQFT
71
.76 ACRES
33,215 SQFT
70
69


20' SSLE
N1°55'
109.87'
N79°29'29"E
96.40'
L18
20' ING
SEPTIC EAS
S84°49'50"E
106.70'
Shepherds Rd
15' SSLE
109.92' (Tot.)
S82°12'01"E
111.19'
0.348 Ac.
SEPTIC FIELD
E'MENT 33-A
L17
Add. Repair
15' PDE
(CENTERED ON DITCH)
109.87'
N1°55'51"E
104.10'
N10°28'08"E
18" CMP
240.70'
N4°44'40"E
Improve
Drainage
Ditch
119.74'
S87°02'10"E
71.21'
190.95' (Tot.)
0.675 Ac.
SEPTIC FIELD
E'MENT 34-A
S1°40'37"E
110.21'
Lot 74
1.267 Ac.
S87°02'10"E
6.18'
105.12'
C41
246.34'
S2°34'37"W
35' BLDG LINE
109.57'
N11°23'34"E
301.73'
S87°13'14"E
80.80'

Lot 34 GA. Mills Plantation Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	545' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 13.0'
Pressure head	2.0'
Friction head	6.3'
20% Contingency	4.3'
Total Head	25.6'
Pump Requirements	22 gpm @ 25.6' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 10.9 min.
Check Valve	Yes
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	280
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	System	Pink	25% Reduction	100 endfed	854.4
2	System	Blue	25% Reduction	100 endfed	
3	System	White	25% Reduction	100 endfed	
4	System	Orange	25% Reduction	100 endfed	852.1
5	Repair	Red	LPPPBPS	70	
6	Repair	White	LPPPBPS	70	854.4
7	Repair	Pink	LPPPBPS	70	
8	Repair	Orange	LPPPBPS	70	851.2
				Total System: 400'	
				Total Repair: 280'	

Tank	Red	1000 gal (2 compartment)	855.8
Pump Tank	Red	1000 gal.	855.8
House	Pink	Right Rear	856.4

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: Fill all minor gullies in septic area. Improve drainage from culvert as shown on map
Septic area located on SFE 34-A
Elevations to be verified by surveyor before installation