5/18/12
pd
$ 320.00



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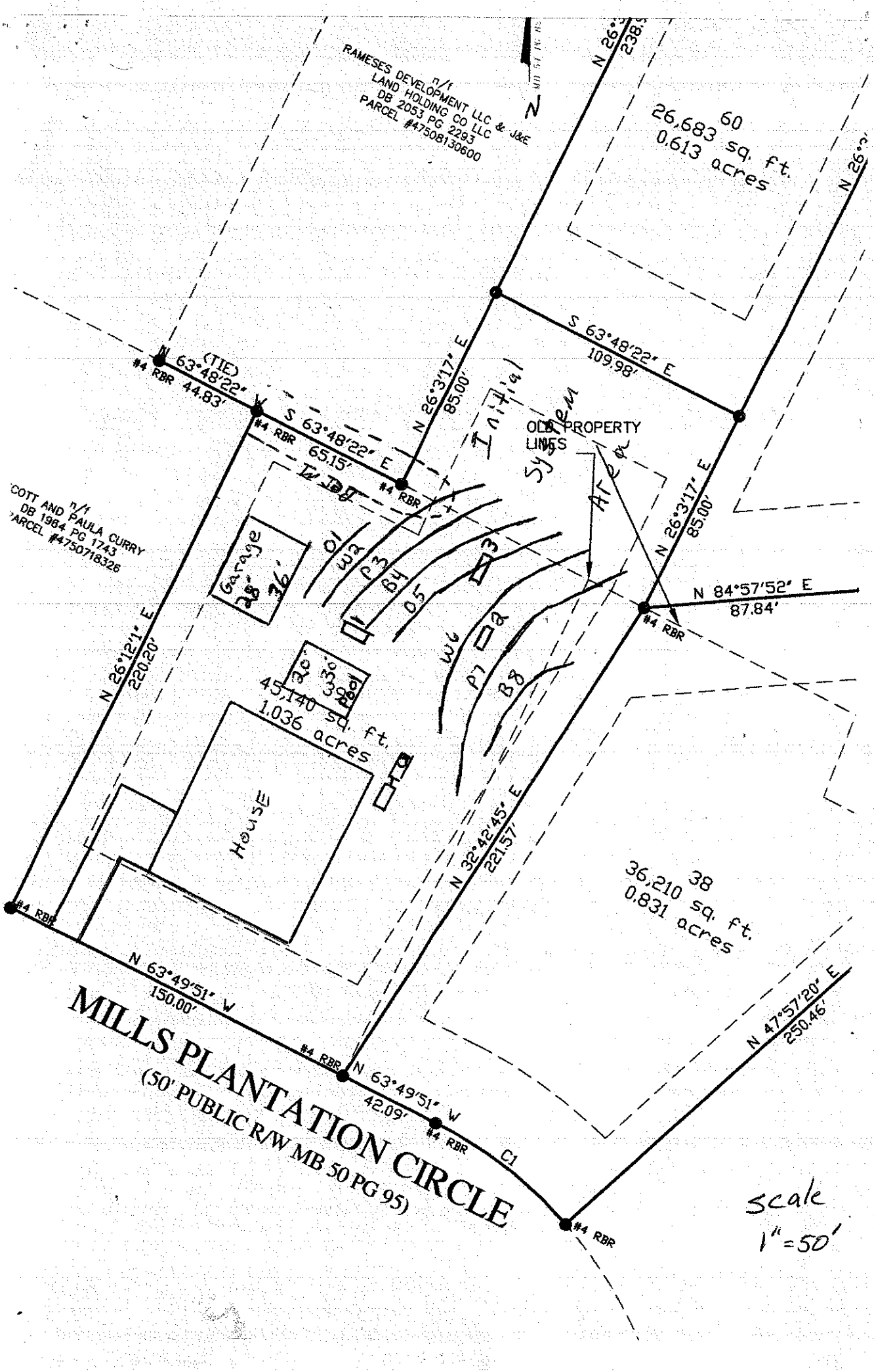
Reference: Data Sheet for Lot 39 Georgia Mills S.D., Iredell County NC
House Footprint: 65'x75'
Water Source: Private Well
Number of Bedrooms: 4/480gpd
Pre-determined LTAR: Initial 0.25 gpd/ft2, Repair 0.25 gpd/ft2
Suggested System Type: Initial 25% Red., Repair Deep Sand Lined Trench
Distribution: Pressure Manifold
Flow per Tap: 5.48gpm
Hole Size & Material: 1/2" SCH. 80
System Flow: 54.80
Dosing Volume: 325
Pump Run Time: 5.93
Elevation Head: TBD
Friction Head: TBD
Total Dynamic Head: TBD
Trench Bottom Square Footage: 1500 ft2
Supply Line Length: TBD (Approx. 200')
Drawdown: 15.48"
Pre-determined Trench Depth: 36"
Septic/ Pump tank size: 1000 ST, 1000 PT

Line	Actual Length	Design Length	Elevation
White 1	74'		
Orange 2	75'		
Blue 3	67'		
Pink 4	68'		
White 5	64'		
Orange 6	59'		
Blue 7	56'		
Pink 8	55'		
White 9	55'		
Orange 10	55'		
Blue 11	55'		
Red 12	**45'**	**48'**	**2.7**
Orange 13	**46'**	**48'**	**3.7**

White 14	**46'**	**48'**	**4.3**
Blue 15	**46'**	**48'**	**5.0**
Orange16	**50'**	**50'**	**5.6**
Pink 17	**50'**	**48'**	**5.8**
White 18	**48'**	**48**	**5.9**
Blue 19	**48'**	**48'**	**5.9**
Orange 20	**52'**	**48'**	**6.5**
White 21	**49'**	**48'**	**7.3**

Septic/Pump Tanks: TBD (Once berm is removed)
Pressure Manifold: 2.5
Initial System: 480' of 25% Red.
Repair System: 683' of Deep Sand Lined Trench
Septic Tank/Pump tank: 1000/1000gal
Benchmark: Back right corner: 6.8

Comments: This lot was previously designed and permitted as a low pressure panel block for the initial system and a deep sand lined trench for the repair by SM&E/Iredell County. We are proposing to change the layout/design to a 25% reduction system for the initial system, in order to accomplish this we are proposing to remove the existing berm, by doing this there will be more than enough space to accommodate 48' laterals. Please note the house footprint increased to 65x75' and therefore the repair was shot in again; all repair lines must maintain a 15' separation off of the existing swell and maintain the same criteria as the the previous permit. Once the berm is removed, the elevations of the pump tank and the pressure manifold could then be acquired.


RAMESES DEVELOPMENT LLC & J&E LAND HOLDING CO LLC
DB 2053 PG 2293
PARCEL #47508130600
n/f
N 26°3'17" E 238.5'
60
26,683 sq. ft.
0.613 acres
N 26°3'17" E
S 63°48'22" E
109.98'
N 63°48'22" W (TIE)
#4 RBR 44.83'
#4 RBR
S 63°48'22" E 65.15'
#4 RBR
N 26°3'17" E 85.00'
OLD PROPERTY LINES
Irrigation System Area
N 26°3'17" E 85.00'
COTT AND PAULA CURRY
DB 1964 PG 1743
PARCEL #47507183326
n/f
Garage
25' 16'
N 84°57'52" E
87.84'
#4 RBR
N 26°12'1" E 220.20'
30' 39'
45,140 sq. ft.
1.036 acres
House
N 32°42'45" E 221.57'
38
36,210 sq. ft.
0.831 acres
#4 RBR
N 63°49'51" W
150.00'
#4 RBR
N 63°49'51" W
42.09'
#4 RBR
C1
N 47°57'20" E
250.46'
#4 RBR
MILLS PLANTATION CIRCLE
(50' PUBLIC R/W MB 50 PG 95)
Scale
1" = 50'