Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID:
Lot #: 66
File #:
AppID:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Thorton Brooks
Address: 105 Walden Dr
Proposed Facility: SFR
Design Flow (.1949) 360
Location of Site: Walden Ridge Lot 66

Applicant:
Date Evaluated: 1/15/16
Property Size: 1 AC
Property Recorded:

Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

APPROVED FEB - 8 2016

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	SOIL MORPHOLOGY .1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	L 4%	0-23	mo SBK/ABK C	Fr SS/SP	R		F Sap		0.3
		23-48	WK SBK C	↓	R		F Sap		
2	L 4%	0-6	GR SBK SCL	Fr SS/SP	R		F Sap	F/C mn	0.3
		6-38	mo SBK/ WK ABK C	↓	R		F Sap		
		38-51	WK SBK C						
3	L	0-10	GR SBK SCL	Fr SS/SP	R		C Sap		0.3
		10-25	mo SBK/ABK C	↓	R				
		25-62	WK SBK C	↓	R				
4	L	0-6	GR SBK CL	Fr SS/SP	R		F/C Sap		0.3
		6-33	mo SBK C	↓	R				
		33-60	WK SBK C	↓	R				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	LT PPBPS
Site LTAR	0.3	0.3

Other Factors (.1946): Remove Berm in Septic Area
Soil Evaluation By: KMS
Others Present: ELH
Site Classification (.1946): PS
Site Evaluation By: KMS
Others Present: ELH

*Amended 2-3-16 by Applicant/LSS

Lot 66 Walden Ridge Fast Track - The Oaks Group, PA

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Number of Bedrooms	**3**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	3 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box
Tank Size	1000 gallon tank
Max Trench Bottom Depth	36"
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	222
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Pink	LP PPBPS	55
2	System	Red	25% Reduction	100 endfed
3	System	Blue	25% Reduction	100 endfed
4	System	Orange	25% Reduction	100 endfed
5	Repair	Pink	LP PPBPS	103
6	Repair	Red	LP PPBPS	64
				Total System: 300'.
				Total Repair: 222'

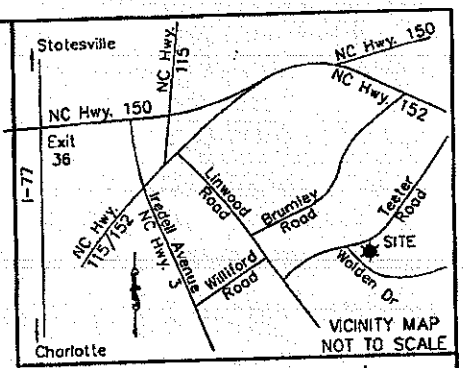
Note: Shave off berm in repair area to prevent ponding over septic area
Keep lines 15 ft from base of landscape easement
Tank and distribution device locations can be altered at the discretion of ICHD.
Keep proper setbacks if foundation drains are used

I, JOEL H. PATTERSON III, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AND/OR MAP BOOK SEE, PAGE NOTE #2; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK N/A, PAGE N/A; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS ____ DAY OF _____, 2015.

PRELIMINARY

JOEL H. PATTERSON III, PLS
LICENSE NUMBER: L-3717

PRELIMINARY PLAN NOT FOR RECORDATION, CONVEYANCES AND/OR SALES



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	25.00'	37.15'	33.83'	N05°44'15"E

MARTY K. &
BARBARA H. STUTTS
DEED BOOK 1219
PAGE 1222

S30°41'51"E 153.68'

LEGEND
R/W = Right-of-way

R/W

N48°35'56"E 120.71'

35' REARYARD

25' CORNER SIDEYARD

LOT 66
1.00 ACRES

15' SIDEYARD

S50°43'50"W 291.86'

N48°00'04"E 100.00'

N48°27'34"E 65.41'

TEETER ROAD
S.R. 1151
60' PUBLIC R/W
(PLAT BOOK 48 PAGE 65)

LOT 65
PLAT BOOK 48
PAGE 65

Proposed
House Box

50' SETBACK

Sign Easement
Plat Book 48
Page 65

Drive

Well

C1

N36°49'08"W 116.31'

R/W

35'x35' Sight
Triangle
Plat Book 48
Page 65

Map Book 48
Page 65
Dated: 12/9/2005

WALDEN DRIVE
50' PUBLIC R/W
(PLAT BOOK 48 PAGE 65)

GRAPHIC SCALE
50 0 25 50
(IN FEET)
1 inch = 50 feet

PLOT PLAN

SURVEYOR NOTES

1) ALL DIMENSIONS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE METHOD.
2) THIS PLOT PLAN IS BASED ON DEED BOOK 1976 PAGE 1685 & MAP BOOK 48 PAGES 65 & 66 AS RECORDED AT THE IREDELL COUNTY