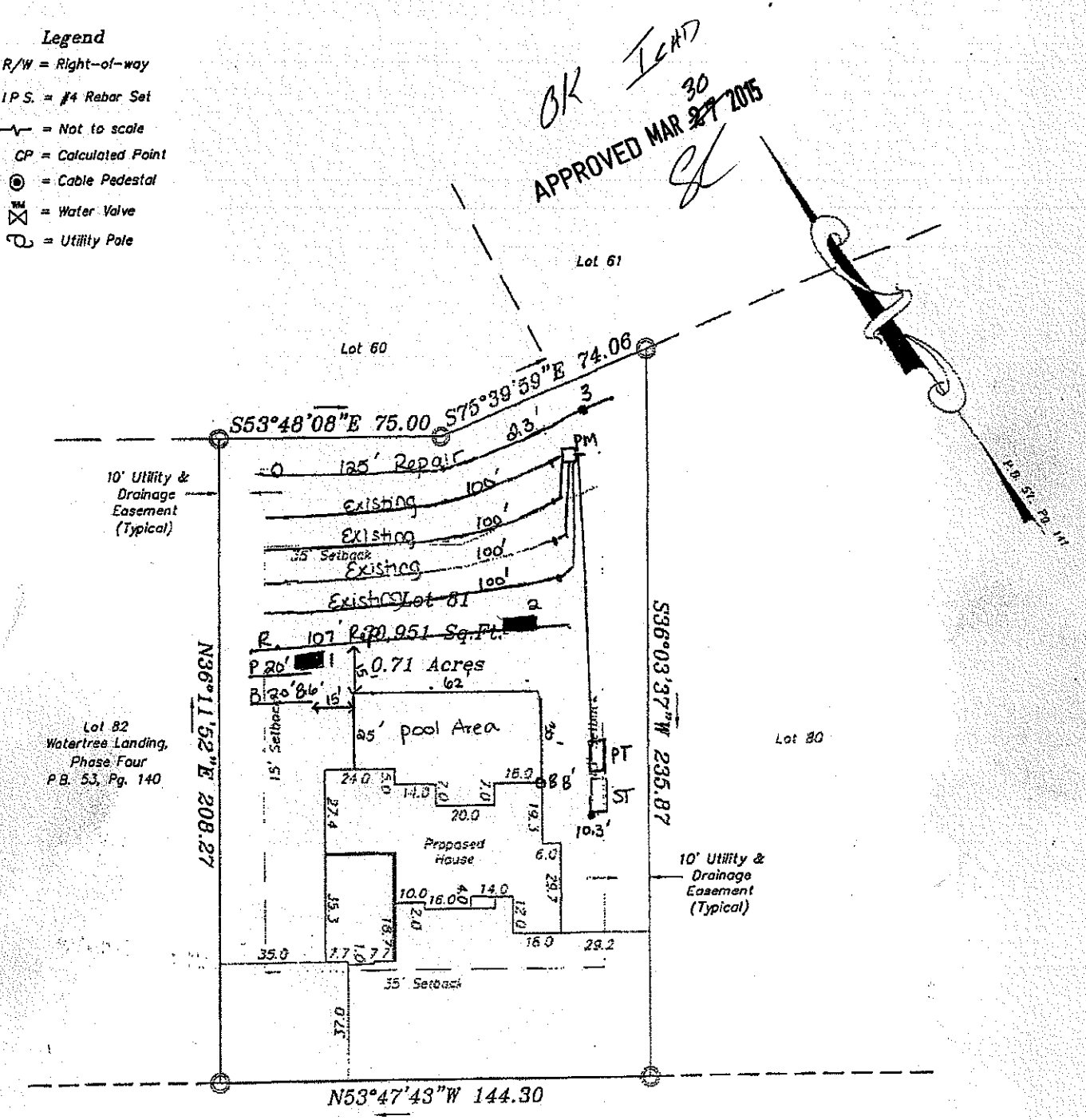


Barber Loop

60' Public R/W

S.R. 1458

1" = 50

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.

2) Boundary information based on Plat Book: 57 at

GRAPHIC SCALE

50 0 25 50 100

320 Barber Loop Fast Track

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3 (Per Existing Permit)**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Trench Depth (low side)	36" **(Per Existing Permit)**
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	95' of 2" SCH 40 PVC **(Per Existing Permit)**
Flow Rate through the system	22 gpm
Elevation head	Approx. 14'
Pressure head	2.0'
Friction head	1.2
20% Contingency	3.4'
Total Head	20.6'
Pump Requirements	22 gpm @ 20.6' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of wate equals 7.48 gal.)
Pump Run per dose	approx. 10.9 min.
Repair System	LP PPBPS
Total Linear Feet	270
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	Repair	Orange	LP PPBPS	125	2.3
2	System	Existing	25% Reduction	100 endfed	
3	System	Existing	25% Reduction	100 endfed	
4	System	Existing	25% Reduction	100 endfed	
5	System	Existing	25% Reduction	100 endfed	
6	Repair	Red	LP PPBPS	105	
7	Repair	Pink	LP PPBPS	20	
8	Repair	Blue	LP PPBPS	20	8.6
				Total System: 400'	
				Total Repair: 270'	

Tank	Red	1000 gal (2 compartment)	10.3
Pump Tank	Red	1000	
House	Existing		8.8

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: **System is installed**
House is under construction
Moved repair area in order to fit a pool in. System specs used to install system should supercede these specs

Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 3/23/15

Owner or Client: Ray Short
Proposed Facility: SFR Design Flow: 480 Property Size: 0.71 Ac
Location of Site: 320 Barber Loop
Soil Described By: KMS Others Present: Shane, EHS Site LTAR: Int. 0.3 Rep. 0.3
Antecedent Moisture: Weather: Site Classification: PS

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

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure/ Texture	SOIL MORPHOLOGY: Consistence Mineralogy	PROFILE FACTORS: Inclusions	PROFILE FACTORS: Matrix Color	PROFILE FACTORS: Mottles	PROFILE FACTORS: Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
1	L	0-32	Mo SBK C	FR SS/SP		R			0.3
		32-59	WK SBK CL	↓	C Sap	R		C WR (yel Br)	
2	L	0-18	WK SBK CL	FR SS/SP	C Sap	R			0.35
		18-70	MA L/SL SAP	FR SS/SP		Mott			
3	L	0-2	Mo GR SL	FR SS/SP		Br			0.3
		2-20	Mo SBK C	FR SS/SP		R			
		20-49	WK SBK CL	FR SS/SP	C Sap	R			

OK
APPROVED MAR 27 2015
SC

COMMENTS:

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: Pasquotank

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mid Atlantic Cust. Homes
ADDRESS: ___ APPLICATION DATE ___
PROPOSED FACILITY: ___ DATE EVALUATED: ___
LOCATION OF SITE: Lot 81 Waterview PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: ___
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other ___ PROPERTY RECORDED: ___
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B1A	5-10% LSS	0-28	RC SGSL	fri SSSPSOP					
		28-48	RCL WSGSL	fri SSSPSOP					
					—	48	—	—	3
B2B		0-26	RCL MSGSL	fri SSSPSOP					
		26-48	RCL WSGSL	fri SSSPSOP many SPH Frc	—	48	—	—	3
B3C		0-18	RCL MSGSL	fri SSSP					
		18-48	RCL WSGSL	fri SSSPSOP few Fw/Rock Frc.	—	48	—	—	3
B4D	↓	0-24	RC MSGSL	fr, SSSP					
		24-48	RCL WSGSL	fri SSSPSOP	—	48	—	—	3

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	28% Red
Site LTAR		

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: ___
OTHER(S) PRESENT: ___

COMMENTS: ___