IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 202249

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4639-33-6419.000

APPLICANT: JEANETTE STEPPAN / FRANK PALMER APPLICANT ADDRESS: 135 FLOWERS PARK CIR. STATESVILLE, NC

SITE ADDRESS: 112 KENWAY LOOP MOORESVILLE, NC PHONE: ~~704~~ 786-239-9629 ALT. PHONE:

SITE DIRECTIONS: PERTH RD., TL FERN HILL, TL KENWAY LP (1ST) 1ST HOUSE ON R

SUBDIVISION: WOODLEAF SECTION: LOT # 1 LOT AREA: 1.1 ACRE DESIGN FLOW: 480 GPD L.T.A.R.: .35

Septic Tank 1000 (gal) STB 875 Date 4-24-14
Pump Tank 1000 (gal) PT 307 Date 9-9-14
Pump Make ZOELLER Model N-152 Serial #
Nitrification Fields 1 # Lines 3@115 Linear Ft: 345
Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth N/A

☐ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: 25% REDUCTION PUMP
Repair System Description: UPGRADE
Maintenance Agreement Required: ☐ YES ☑ NO
☐ GRAVITY ☑ PRESSURE

☑ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☑ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: THIS PERMIT REPLACES PREVIOUS PERMIT DATED 5/16/14

INITIAL SITE SKETCH

SEE ATTACHED PLAN BY MICHAL ATHANAS & ASSOCIATES.

APPROVED BY ICHD.

AS BUILT SKETCH

CHECKED LINES, TANKS, PM, SET 2' PM

APPROVED NOV 04 2014

FINDING

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 10-24-14 Installed by: ROWAN SEPTIC

IMPROVEMENT PERMIT by: Date: 10/27/14 OPERATION PERMIT by: APPROVED FEB 12 2015

AUTHORIZATION TO CONSTRUCT by: APPROVED OCT 22 2014 Date: Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

APPROVED OCT 22 2014

Scale 1" = 40'

N29°08'03"W 430.69' Grid Tie Per PB 38 26

Kenway Loop S.R. #1398
60' Public Right of Way

S29°10'37"E 278.97' Total

S29°10'37"E 100.17'

S65°01'50"E 98.45'

S65°01'50"E 138.78'

S65°01'50"E 131.24'

87.43'

20.13'

471.41'

Lot #1
47,592 SF
1.091 Acres
#4636-33-5660

Cos #671
7,646 SF
0.176 Acres
#4636-33-5678

Now or Formerly
#4636-33-9648
Deed Book 1802
Page 1002, Lot #36
Wildwood Cove
Subdivision
Plat Book 38
Page 26

Deed Book 1275
Page 2215, Lot #37
Wildwood Cove
Subdivision
Plat Book 38
Page 26

House

Pool

Deck

Patio

Lanai

Porch

Bulkhead

Water's Edge

Rebar

35' RS

35' Landscape Easement

L11 L12 L13 L14 L15 L16 L17 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36

C3 C4 C11

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
361 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Woodleaf SD Lot 1, 112 Kenway Lp
House Footprint: See Attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.35 GPD/FT2 (initial), 0.3 GPD/FT2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 7.11 GPM
Tap Size: ½" SCH 40
System Flow: 21.33 GPM
Dosing Volume: 150.9 gallons
Pump Run Time: 7.1 minutes
Elevation Head: 10'
Friction Head: 0.7'
Pressure Head: 2'
Total Dynamic Head: 12.7'
Supply Line Length: 80'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
Black 1		38'	1.6'
Pink 2		68'	2.0'
Blue 3	**115'**	**115'**	**3.2'**
Black 4	**115'**	**115'**	**4.9'**
Pink 5	**115'**	**115'**	**7.0'**
Pink 6		25'/30'	4.0'
Blue 7		54'	5.7'
Black 8		46'	6.6'
Unflagged 9		40'	

Initial System: 345' **Repair System:** 301'

Pump Tank: 8.2' **House Corner:** 8.3' **Benchmark:** 2.6'

Comments:
The builder cut for the house and compromised the septic area. The site was evaluated and the lot was graded to correct the septic area. New pits were dug after the site was cut and a new lay out. The 100' well radius is marked in black flags.