IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 21546

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

PIN # 4626 498381 ~~28-7822~~

APPLICANT: Harris Construction Group APPLICANT ADDRESS: 9935D Rey Road #210 Charlotte, NC 28277

SITE ADDRESS: 183 Bayberry Creek Ct. Mooresville, NC PHONE: 704 202 3739 ALT. PHONE:

SITE DIRECTIONS: Brawley School Rd TR McKendree TL Bayberry lot on left

SUBDIVISION: The Farms SECTION: 3 LOT # 434 LOT AREA: .999 Ac DESIGN FLOW: 480gpd L.T.A.R.: .3

Septic Tank 1500 X (gal) STB 338 Date 7-8-15
Pump Tank 1000g (gal) PT 283 Date 6-30-15
Pump Make ~~Meyers~~ Model 4SQ 100 T Serial # 0312M
Nitrification Fields 1 # Lines 3@134ft Linear Ft: 402
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: Pump-PM-25% Reduction
Repair System Description: LPPPBPS
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: * Specified in Septic plan.
* Goulds WE0312MV = pump
Drawdown 2 1/2 inches in 2min ~24gpm

* See attached revised plan approved 10/19/15 mp
11/16/15 Checked lines, set pressure (2ft)

INITIAL SITE SKETCH

See attached/approved plan by Pennington Soil Consulting, PLLC dated 6/24/15
revised plan Approved 10/19/15

AS BUILT SKETCH

5-23-16 : No access to house
5-24-16 : Electrical "OK" SS

10/14/18
Shawn with Stanley Septic Called to inform us that plumber Connected Sewage line from house directly to Pump tank. Solids were observed in Pump tank. PT was pumped out.

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: 7/6/2015 Installed by: Stanley Septic

IMPROVEMENT PERMIT by: Date: 6/30/15 OPERATION PERMIT by: Tom Shuck Date: 5-24-16

AUTHORIZATION TO CONSTRUCT by: Date: 6/30/15 Existing System Inspected by: Date:

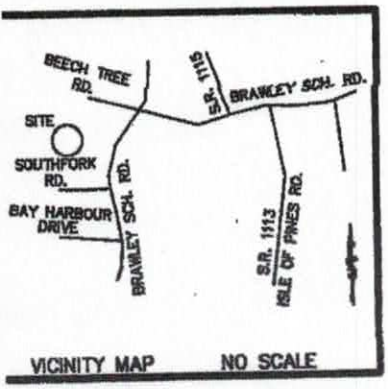
Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

plat book 47, page 12, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 4, day of JUNE,
A.D. 20 15.

WILLIAM M. ALLEN, PLS

NORTH CAROLINA PROFESSIONAL SEAL L3499 LAND SURVEYOR WILLIAM M. ALLEN



NOTE - SITE PLAN MUST ACCOMPANY PERMANENT SOIL CONSULTING WRITTEN REPORT DATED 1-24-15

REVISED FOR NEIGHBOR WELL 10-7-15

MCKENDREE RD. (60' PUBLIC R\W)

COMMON OPEN SPACE

66.27
N69°15'55"E
L=66.28'
R=1039.67

N68°00'45"E 30.81

N67°26'20"E 77.76

ADD. REPAIR

Approx. HAND AUGER BORING LOCATION

50' REAR SETBACK & 50' NO CLEAR ZONE

Approx. BACKHOE PIT LOCATION

PRESSURE MANIFOLD

200 S BACKHOE PIT

2" SCH40 PVC SUPPLY LINE >50' FROM WELL

275.29

LOT 434
0.999 AC.

S09°24'40"E

Approved 10/19/15 MD

LOT 435
DAVID J. JUNEAU
2086\2376

LOT 433
WILLIAM F. WALSH
2055\662

20'x40' Pool

DECK FLOOR +12.0'

KINGSTON PLAN

GARAGE

N17°49'39"W

NEIGHBOR WELL

*Rod Reading

52.1

30.0

50' FRONT SETBACK

54.0

DRIVE

1" = 50'

L=131.23'
R=700.00
131.04
S76°34'00"W

R\W

BAYBERRY CREEK CIR.
(50' PUBLIC R\W)

RECEIVED OCT 8 - 2015

LEGEND
P.P. = POWER POLE
POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.R.S. = #4 REBAR SET

HARRIS CONST. GROUP SEPTIC PLAN

The Farms Lot 434 Fast Track System Information (6-24-15) Pg 1 of 2

Harris Construction Group -- Revised for neighboring well 10-7-15

Number of Bedrooms	**4**
Basement or Crawl	**Crawl**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 at 100 ft. (see site plan)
Total Linear Feet	400 ft
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	~120' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	*Approx. 16'
Pressure head	2.0'
Friction head	Approx. 2'
20% Contingency	4'
Total Head	24'
Pump Requirements	22 gpm @ 24' of head

***To be designed by installer after final tank placement.**

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	no
Repair System	**LP PPBPS**
Total Linear Feet	289' shown *267' Required*
Repair Loading Rate	0.3

Approved MD 10/19/15

The Farms Lot 434 Fast Track System Information (6-24-15) Pg 2 of 2

Harris Construction Group -- Revised for neighboring well 10-7-15

Approved MD 10/19/15

Table: Summary of Primary Nitrification Lines

Line No.	Use	Line Color	System Type	Line Length (Ft.)	*Rod Reading (Ft.)
1	System	red	25% Reduction	100	8.5
1	System	orange	25% Reduction	100	7.5
2	System	blue	25% Reduction	100	6.6
3	System	pink	25% Reduction	100	5.6
				Total System: 400'	

Tank	white	1500 gal (2 compartment)	*Rod Reading (ft)
Pump Tank	white	1000 gal.	13.9
House		Left Rear Deck Floor	12.0

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

NOTES:

* Elevations must be verified by installer at installation and final tank placement.

Install system per ICHD permits and policies.
Use Trench Depth on ICHD Permit
Fast Track System information tables must accompany Penninger Soil Consulting written report dated June 24, 2015.