

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Dan Ryan Builders PROPERTY LOCATION: 593 Mill Bend Dr. (Rawls Church Rd.)
 SUBDIVISION: Old Mill Village LOT # 35

NEW REPAIR EXPANSION Site Improvements required prior to Construction Authorization Issuance: _____

Type of Structure: 3-bedroom 40'x43' SFS
 Proposed Wastewater System Type: 25% reduction sys.
 Projected Daily Flow: 360 GPD

Number of bedrooms: 3 Number of Occupants: 6 max
 Basement Yes No
 Pump Required: Yes No May be required based on final location and elevations of facilities
 Type of Water Supply: Community Public Well Distance from well NA feet Permit valid for: Five years
 No expiration
 Permit conditions: _____

Authorized State Agent: [Signature] Date: 02/13/2020 SEE ATTACHED SITE SKETCH

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization (Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: Dan Ryan Builders PROPERTY LOCATION: 593 Mill Bend Dr. (Rawls Church Rd.)
 SUBDIVISION: Old Mill Village LOT # 35

Facility Type: 30~ 40'x43' SFS New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% reduction system (Initial) Wastewater Flow: 360 GPD
 (See note below, if applicable)

25% reduction sys. (Repair)

Installation Requirements/Conditions	Number of trenches <u>1 or 5 (D-BOX)</u>	
Septic Tank Size <u>1000</u> gallons	Exact length of each trench <u>300 or 600 (D-BOX)</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size _____ gallons	Trenches shall be installed on contour at a Maximum Trench Depth of: <u>24</u> inches	Soil Cover: <u>12</u> inches
	(Trench bottoms shall be level to +/-1/4" in all directions)	(Maximum soil cover shall not exceed 36" above the trench bottom)
Pump Requirements: _____ ft. TDH vs. _____ GPM		<u>NA</u> inches below pipe
Conditions: <u>Proposal by Adams Soil Consulting</u>		Aggregate Depth: <u>24</u> inches above pipe
		<u>NA</u> inches total

**WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.
 NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.**

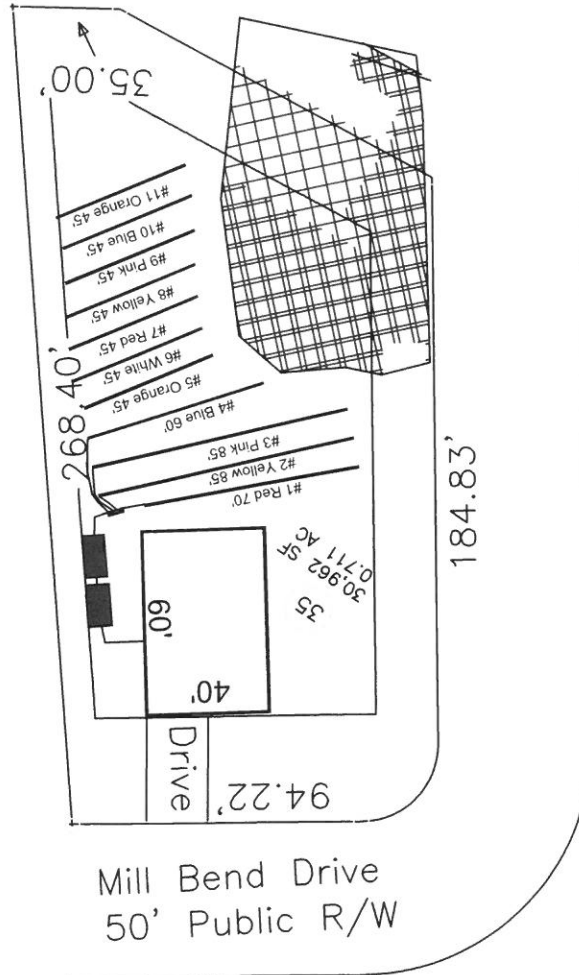
**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: _____ Date: _____

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: [Signature] Date: 02/13/2020
ANDREW WARRIN Construction Authorization Expiration Date: 02/13/2025

Olde Mill Village 3-Bedroom Septic Proposal Lot #35



System: Pressure Manifold
 Lines: 1-4 (300')
 0.3 LTAR
 24" Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 5-11 (300')
 0.3 LTAR
 24" Trench Bottom
 Accepted Status System

*Preliminary Design
 Not a Permit

GRAPHIC SCALE
 1" = 60'



Adams
 Soil Consulting
 919-414-6761
 Job #699

Olde Mill Village

Lot #35

3-Bedroom Home (360 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		0.0		100.0		<u>in field</u>	<u>installation</u>
INST. 1			100.0				
1	Red			3.3	96.7	77	70
2	Yellow			3.9	96.1	95	85
3	Pink			4.4	95.6	98	85
4	Blue			4.8	95.2	60	60
5	Orange			5.4	94.6	55	45
6	White			5.9	94.1	48	45
7	Red			6.4	93.6	45	45
8	Yellow			6.9	93.1	45	45
9	Pink			7.5	92.5	45	45
10	Blue			8.1	91.9	45	45
11	Orange			8.6	91.4	45	45
12	White			9.6	90.4	45	not used
Total						703	615

	<u>System</u> Lines 1-4	<u>Repair</u> Lines 5-11
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.30	0.30
Total Line Length	300	315
Square Footage	900	945
Proposed Trench Bottom	24"	18"
Distribution Method	Pressure Manifold	Pressure Manifold

**Olde Mill Village Lot #35
System, Tap Chart**

Bench Mark	2.00	is = 100.00 Location of BM				Elevation Head		2.70	
Pump tank elev.	0	102.00	Pump elev.	97.00	Manifold elev.		99.70		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	3.3	98.70	70	1/2in SCH 80	5.48	78.35	210	0.3731
2	Yellow	3.9	98.10	85	1/2in SCH 40	7.11	101.65	255	0.3986
3	Pink	4.4	97.60	85	1/2in SCH 40	7.11	101.65	255	0.3986
4	Blue	4.8	97.20	60	1/2in SCH 80	5.48	78.35	180	0.4353
		total	feet =	300	gal/min =	25.18		LTAR =	0.3000
								LTAR + %5	0.3150
% of Dose Vol.	75		Des. Flow	360				(ltar W/ INOV)	0.4000
Dose Volume	146.25		Pump Run=	14.30				(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	5.81		Tank Gal/IN	21					
Drawdown in Inches	6.96								