

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

PROPERTY LOCATION: 12 Stonecliff Ln (NC Hwy 27)

ISSUED TO: Gitto Enterprises inc

SUBDIVISION Stonecliff

LOT # 1

NEW REPAIR EXPANSION

Site Improvements required prior to Construction Authorization Issuance:

Type of Structure: 46'x30' SFD

Proposed Wastewater System Type: pump to 50% reduction

Projected Daily Flow: 480 GPD

Number of bedrooms: 4 Number of Occupants: 8 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 _____ feet

Permit valid for: Five years

Permit conditions: _____ No expiration

Authorized State Agent: Moh W RETH

Date: 04-20-23

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: Gitto Enterprises inc

PROPERTY LOCATION: 12 Stonecliff Ln (NC Hwy 27)

SUBDIVISION Stonecliff

LOT # 1

Facility Type: 46'x30' SFD New Expansion Repair

Basement? Yes No Basement Fixtures? Yes No

Type of Wastewater System** pump to 50% reduction (Initial) Wastewater Flow: 480 GPD

(See note below, if applicable)

pump to 50% reduction (Repair)

Installation Requirements/Conditions

Septic Tank Size 1000 gallons

Number of trenches 1

Exact length of each trench 203 feet

Trench Spacing: 9 Feet on Center

Pump Tank Size 1000 gallons

Trenches shall be installed on contour at a

Soil Cover: 6 inches

Maximum Trench Depth of: 18 inches

(Maximum soil cover shall not exceed

(Trench bottoms shall be level to +/-1/4"

36" above the trench bottom)

in all directions)

Pump Requirements: _____ ft. TDH vs. _____ GPM

Aggregate Depth: _____ inches below pipe

Aggregate Depth: _____ inches above pipe

Conditions: _____ 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: Moh W RETH

Date: 04-20-23

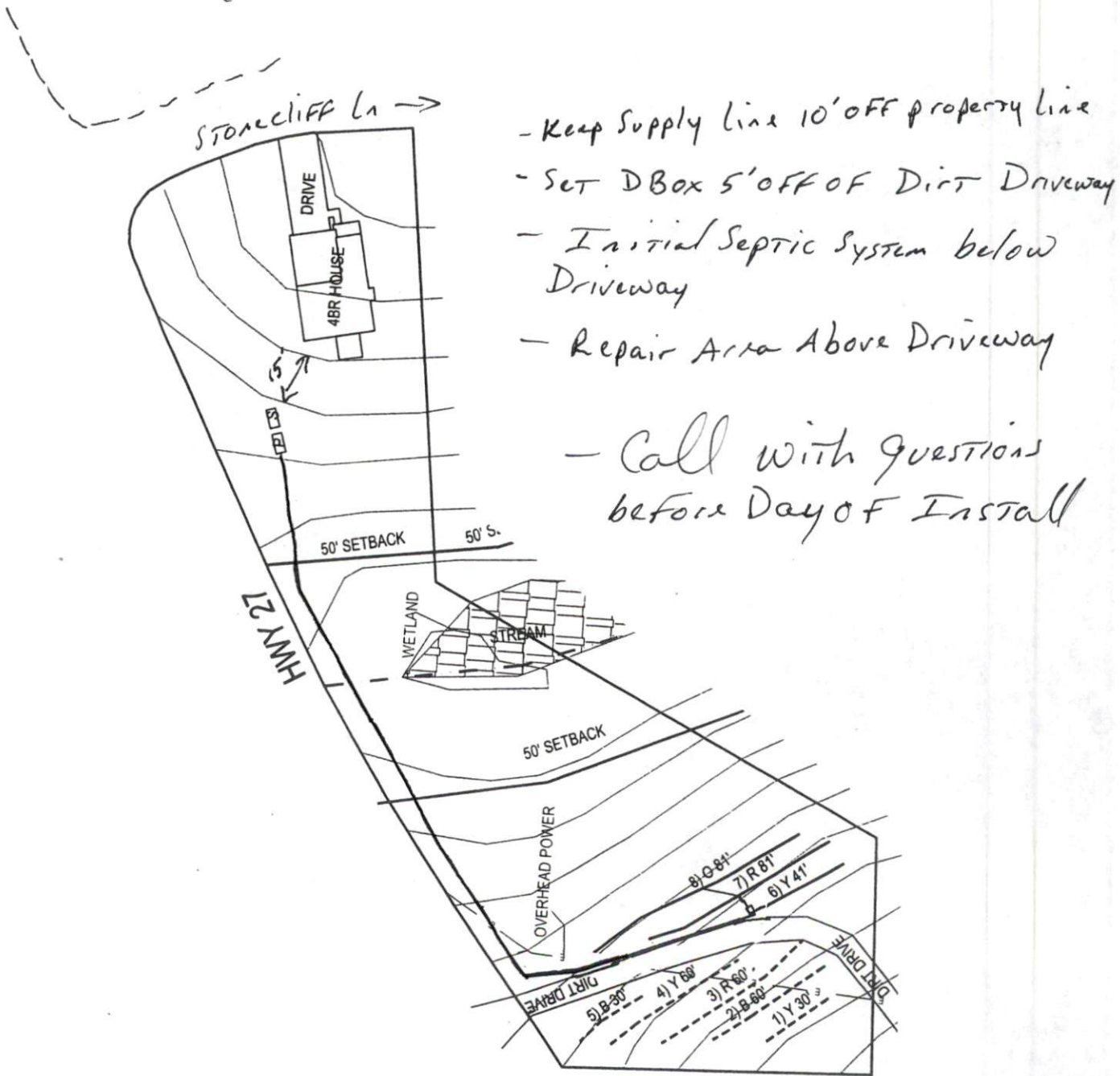
Construction Authorization Expiration Date: 04-20-28

Harnett County Department of Public Health Site Sketch

Property Location: 12 Stonecliff Ln (NC Hwy 27)

Issued To: Gitto Enterprises inc Subdivision Stonecliff Lot # 1

Authorized State Agent: *Mark W. REHS* Date: 04-20-23



This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

12 Stonecliff
Project No. 2001-1

<u>LINE #</u>	<u>FLAG COLOR</u>	<u>BS (ft)</u>	<u>HI (ft)</u>	<u>FS (ft)</u>	<u>ELEVATION (ft)</u>	<u>FLAGGED LINE LENGTH (ft)</u>	<u>DESIGN LINE LENGTH (ft)</u>
TBM		2.55			100.00		
INSTR. 1			102.55				
1	Yellow			3.50	99.05	31	30
2	Blue			4.90	97.65	61	60
3	Red			6.55	96.00	63	60
4	Yellow			7.95	94.60	66	60
5	Blue			9.15	93.40	34	30
6	Yellow			8.75	93.80	41	41
7	Red			9.90	92.65	81	81
8	Orange			11.10	91.45	105	81
					Total	482	443

<u>System</u>	<u>DESIGN LINE LENGTH (ft)</u>	<u>SOIL LTAR GPD/FT²</u>	<u>SYSTEM TYPE</u>	<u>DESIGN LTAR* GPD/FT²</u>	<u>DISTRIBUTION MEDIA</u>	<u>DISTRIBUTION METHOD</u>	<u>DESIGN FLOW (GPD)</u>
System	203	0.40	Conventional	0.39	T&J Panel	Pressure Manifold	480
Repair	240	0.40	Conventional	0.33	T&J Panel	Pressure Manifold	480

- Notes:**
- 1) TBM on ground AT EIP.
 - 2) TBM is assumed to be 100.00'.
 - 3) All measures in feet.
 - 4) Nitrification lines are demonstrated on contour via colored pin flags.
 - 5) BS, FS indicate rod readings.
- * Design LTAR = Design Flow / ((Design Line Length x Trench Width) / (1-%Reduction))

**12 Stonecliff
Project No. 2001-1
SYSTEM TAP CHART**

Line #	Color	Field Elev. (ft)	Length (ft)	Hole Size (in)	Flow/Tap (gpm)	gpd	Trench Area (sq ft)	Line LTAR (gpd/sq ft)	Number of Panels
6	Yellow	93.80	41	1/2" SCH. 80	5.48	102.27	123	0.831	9
7	Red	92.65	81	3/4" SCH. 80	10.12	188.87	243	0.777	18
8	Orange	91.45	81	3/4" SCH. 80	10.12	188.87	243	0.777	18
								Total	45

total feet = 203 gal/min = 25.72

Des. Flow 480 gpd
Pump Run= 18.66 min
soil LTAR 0.40 gpd/sq ft
(Itar +5%) 0.42 gpd/sq ft
INNOV. Product Reduction 50%
LTAR with INNOV. 0.80 gpd/sq ft
LTAR with INNOV. + 5% 0.840 gpd/sq ft
Dose Per Panel 3.6 gal/panel
100% Dose Volume 162.00 gal
Percent Dose Volume 100%
Total 162.00 gal

Pump Run Time 6.30 min

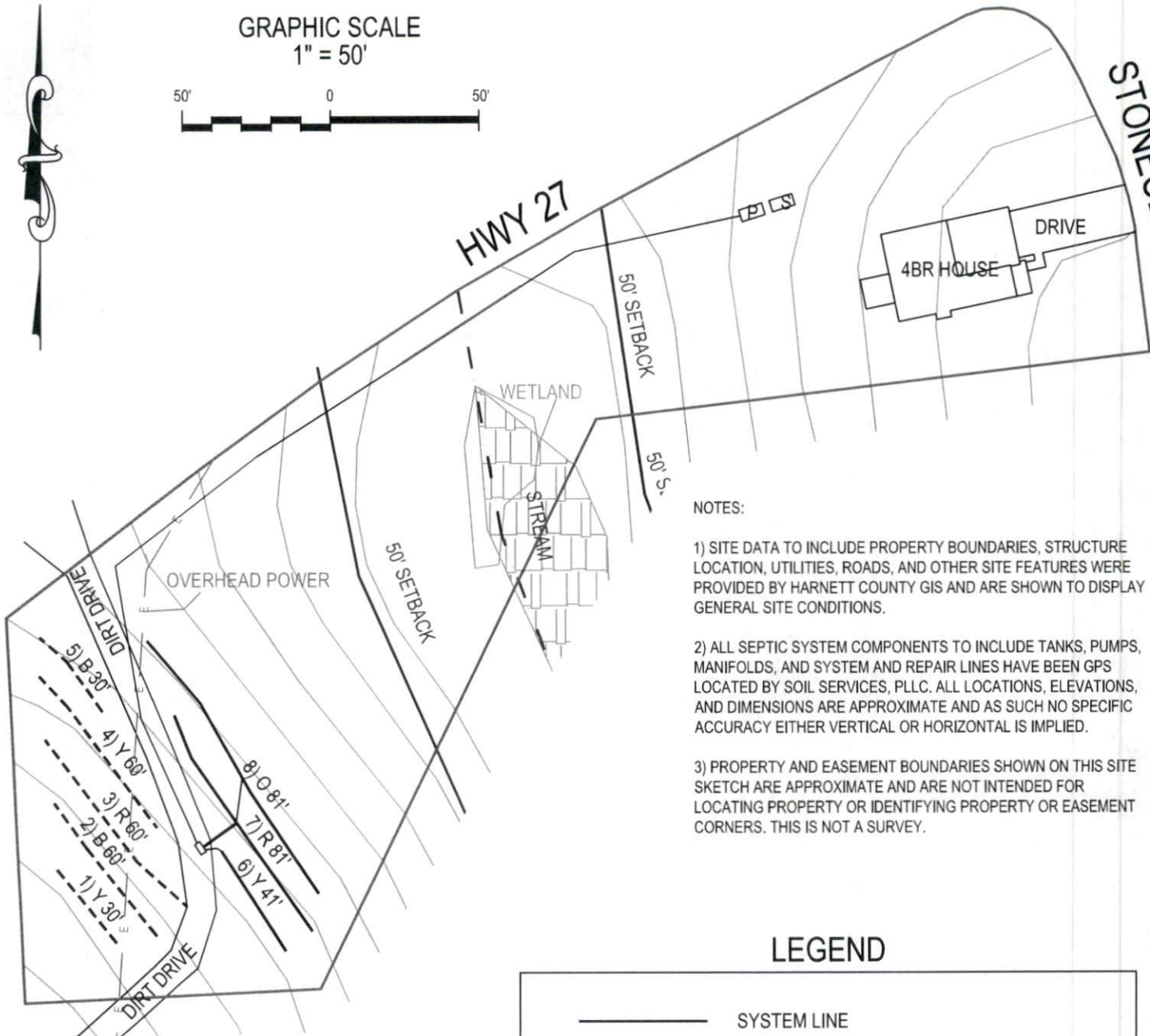
**12 Stonecliff
Project No. 2001-1
REPAIR TAP CHART**

Line #	Color	Field Elev. (ft)	Length (ft)	Hole Size (in)	Flow/Tap (gpm)	gpd	Trench Area (sq ft)	Line LTAR (gpd/sq ft)	Number of Panels
1	Yellow	99.05	30	1/2" SCH. 80	5.48	63.66	90	0.707	7
2	Blue	97.65	60	3/4" SCH. 80	10.12	117.56	180	0.653	14
3	Red	96.00	60	3/4" SCH. 80	10.12	117.56	180	0.653	14
4	Yellow	94.60	60	3/4" SCH. 80	10.12	117.56	180	0.653	14
5	Blue	93.40	30	1/2" SCH. 80	5.48	63.66	90	0.707	7
								Total	56

total feet = 240 gal/min = 41.33

Des. Flow 480 gpd
Pump Run= 11.61 min
soil LTAR 0.40 gpd/sq ft
(Itar +5%) 0.42 gpd/sq ft
INNOV. Product Reduction 50%
LTAR with INNOV. 0.8 gpd/sq ft
LTAR with INNOV. + 5% 0.84 gpd/sq ft
Dose Per Panel 3.6 gal/panel
100% Dose Volume 201.60 gal
Percent Dose Volume 100%
Total 201.60 gal
Pump Run Time 4.88 min

GRAPHIC SCALE
1" = 50'



NOTES:

- 1) SITE DATA TO INCLUDE PROPERTY BOUNDARIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY HARNETT COUNTY GIS AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.
- 2) ALL SEPTIC SYSTEM COMPONENTS TO INCLUDE TANKS, PUMPS, MANIFOLDS, AND SYSTEM AND REPAIR LINES HAVE BEEN GPS LOCATED BY SOIL SERVICES, PLLC. ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS ARE APPROXIMATE AND AS SUCH NO SPECIFIC ACCURACY EITHER VERTICAL OR HORIZONTAL IS IMPLIED.
- 3) PROPERTY AND EASEMENT BOUNDARIES SHOWN ON THIS SITE SKETCH ARE APPROXIMATE AND ARE NOT INTENDED FOR LOCATING PROPERTY OR IDENTIFYING PROPERTY OR EASEMENT CORNERS. THIS IS NOT A SURVEY.

LEGEND

	SYSTEM LINE
	REPAIR LINE
	4" SCH 40 PIPE SLEEVE 36" BELOW GRADE
	SEPTIC TANK
	PUMP TANK



SOIL SERVICES, PLLC

PO BOX 91115, RALEIGH, NC 27675
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WWW.SOILSERVICES.US

Sheet Title:	SEPTIC SYSTEM SITE PLAN		Project No.:	2001-1	
Project:	12 STONECLIFF LN		Project Manager:	SM	
Location:	HARNETT CO., NC	Client:	PETE GITTO	Drawn:	SM
				Scale:	1"50'
				Field Work:	SM
				Sheet No.:	1 of 1

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