

HTE# 15-5-35272

Harnett County Department of Public Health

28218

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: Cumberland Homes Inc PROPERTY LOCATION: on 1437 Ballanal Rd
 SUBDIVISION Ballanal Woods LOT # 141
 NEW REPAIR EXPANSION
 Type of Structure: SFD Site Improvements required prior to Construction Authorization Issuance: _____
 Proposed Wastewater System Type: Pump to 25% reduction
 Projected Daily Flow: 420 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
 No expiration
 Permit conditions: _____

Authorized State Agent: [Signature] Date: 2-4-15 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: Cumberland Homes Inc PROPERTY LOCATION: on 1437 Ballanal Rd
 SUBDIVISION Ballanal Woods LOT # 141
 Facility Type: SFD New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump to 25% (Accepted) system (Initial) Wastewater Flow: 420 GPD
 (See note below, if applicable) Pump to 35% reduction (Accepted) (Repair)
 Installation Requirements/Conditions
 Septic Tank Size 1000 gallons Exact length of each trench 400 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: 12" max 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: 6 inches below pipe
2 inches above pipe
 Conditions: 6" cover Required 12 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: 2-4-15
 Construction Authorization Expiration Date: 2-4-20

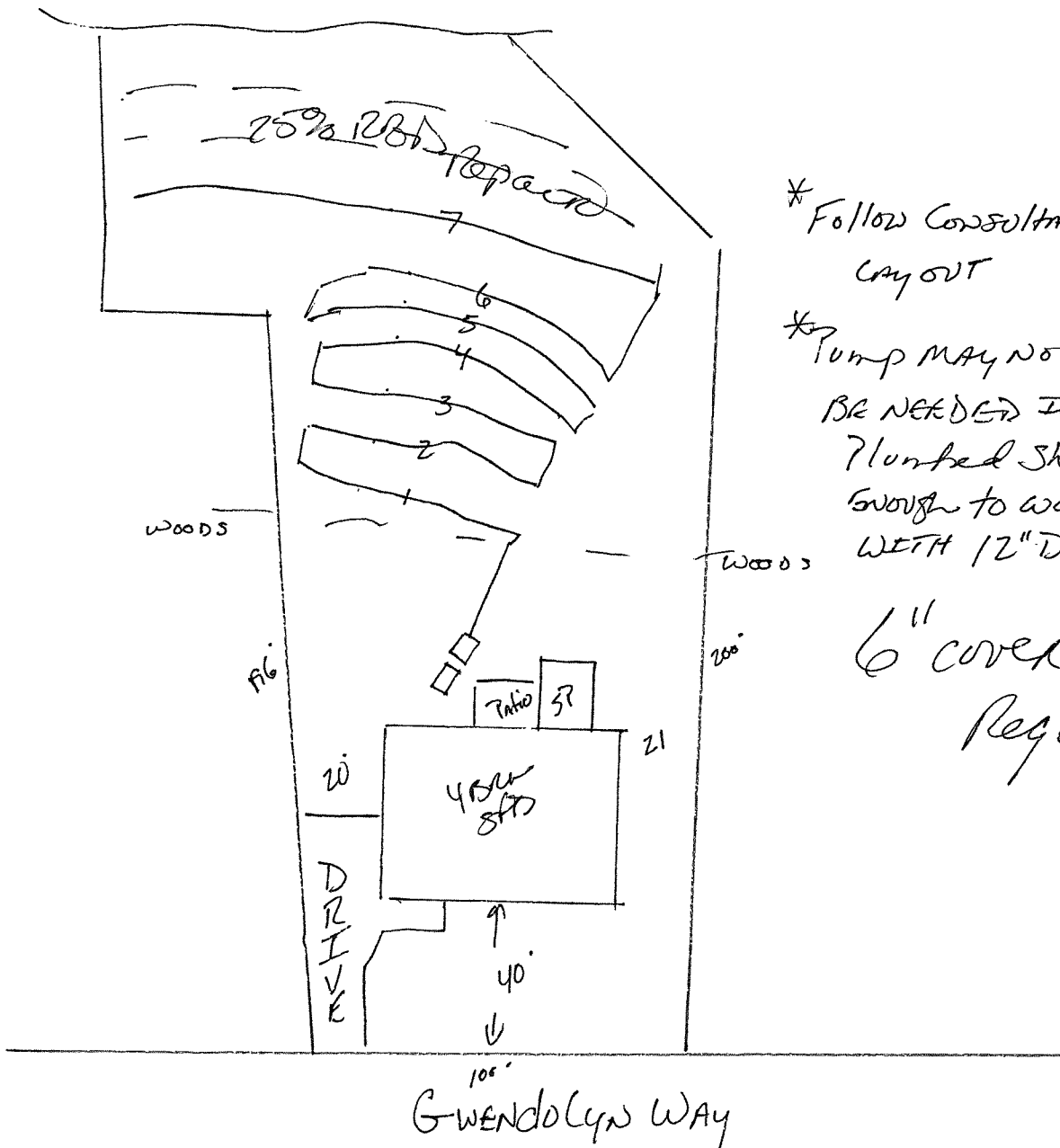
HTE# 15-5-35272

Permit # 28218

Harnett County Department of Public Health Site Sketch

ISSUED TO: Cumberland Homes INC PROPERTY LOCATOR: 861437 Balland rd
SUBDIVISION: Balland Woods LOT # 141

Authorized State Agent: James E. Marshant Date: 2-4-15



* Follow Consultants
Lay out
* Pump MAY NOT
BE NEEDED IF
Planted shallow.
Enough to work
WITH 12" DITCHES
6" cover
Required.

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION BALLARD WOODS LOT 141
INITIAL SYSTEM APPROVED 25% RESOLUTION REPAIR APPROVED 25% RESOLUTION
DISTRIBUTION SERIAL DISTRIBUTION SERIAL
BENCHMARK 100.0 LOCATION (SEE CENTRAL CAR DESIGN)
NO. BEDROOMS 4 PROPOSED LTAR 0.3 GPM/PTL

LINE FLAG COLOR ELEVATION LENGTH (FT)

LINE	FLAG COLOR	ELEVATION	LENGTH (FT)
1	P	101.7	50'
2	W	100.0	50'
3	P	100.5	50'
4	B	99.9	60'
5	R	99.2	60'
6	Y	98.9	80'
7A	O	98.3	45'
			<u>400'</u>
7B	O	98.3	100'
8	P	97.4	145'
9	B	96.2	155'
			<u>400'</u>

Installs

BY M. FAUER

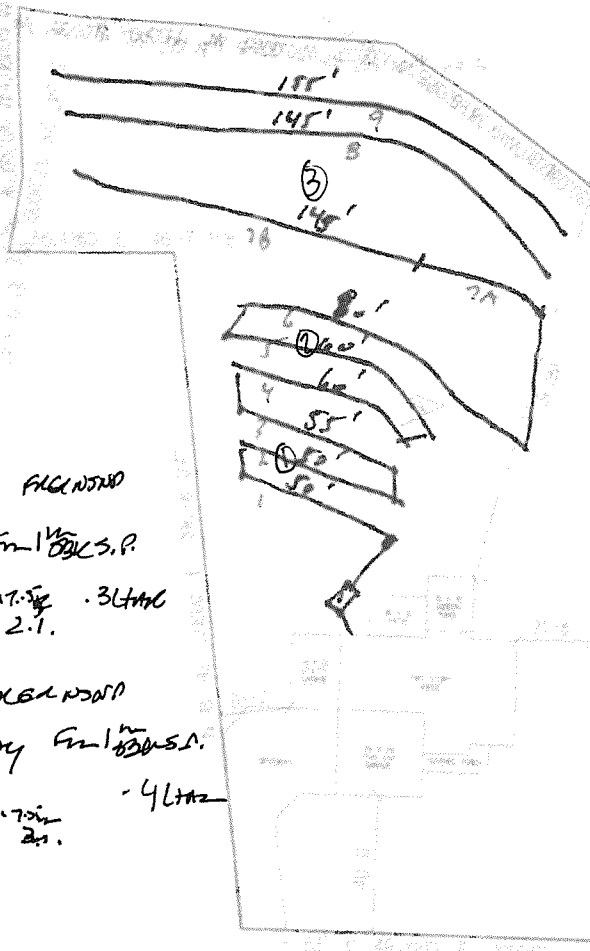
DATE 12/2014

TYPICAL PROFILE

0-6" (FS, VF, mac)
6-28" (Clay, Fi, L&L)
28-42" (Clay + mac)
5" 2 x 28"
INSTALL AT 12" ADD
6" COVER

* This design is an addition
to Central Carolina Base Design
(adding 3 lines)

* DO NOT GRADE, CUT OR REMOVE
ANY SOIL FROM SYSTEM OR REPAIR
AREA



1, 2, L-^{49%} 0-8 - LOAN ISL FLEXNSHP

8-30 CLAY Fm 1^{1/2} B.S.P.

28^{11.5%} .3LTHC
2.1.

3, L-^{5%} 0-30 SL FLEXNSHP

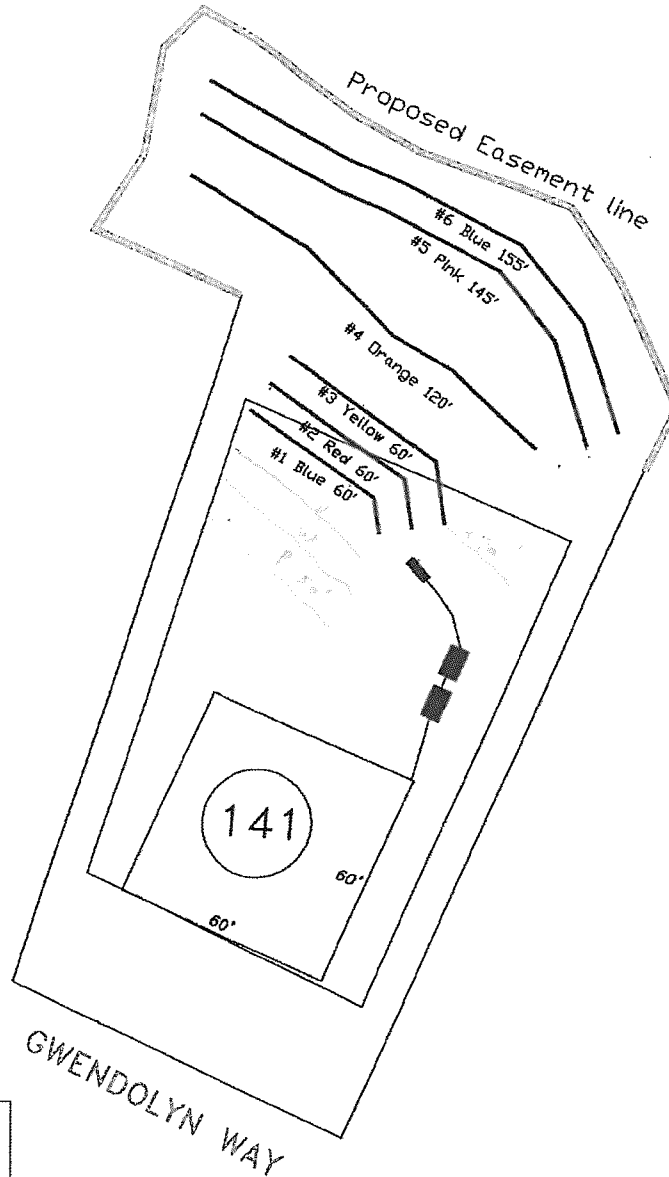
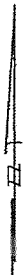
30-48 30-CLAY Fm 1^{1/2} B.S.P.

36^{7.5%} .4LTHC
2.1.

GWENDOLYN WAY

CRAFTSMEN CONSTRUCTION
 THE SAPPHIRE WITH 3RD CAR GARAGE
 LOT # 141 BALLARD WOODS
 SCALE: 1"=40'

Oak City Homes Lot 141 Ballard Woods 3-Bedroom System Layout



System: Pressure Manifold
 Lines: 1-4, (300')
 Accepted Status System
 0.30 Soil LTAR
 18-24' Trench Bottom
 Repair: Pressure Manifold
 Lines: 5-6, (300')
 Accepted Status System
 18-24' Trench Bottom
 0.30 Soil LTAR

GRAPHIC SCALE
 1" = 50'



Central Carolina
 Soil Consulting
 919-784-9449
 Project # 680

Oak City Homes, Inc.
Ballard Woods Phase IV, Lot 141
 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		3.4		100.0		<u>in field</u>	<u>installation</u>
INST. 1			103.4				
1	Blue			3.5	99.9	60	60
2	Red			4.2	99.2	63	60
3	Yellow			4.5	98.9	81	60
4	Orange			5.1	98.3	136	120
5	Pink			6	97.4	145	145
6	Blue			7.2	96.2	155	155

Total 640 600

	<u>System</u> Lines 1-4	<u>Repair</u> Lines 5-6
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR (gal/day/ft ²)	0.30	0.3
System Installation LTAR	0.30	0.3
Total Line Length	300	300
Square Footage	900	900
Proposed Trench Bottom	18-24"	18-24"

Distribution Method Pressure Manifold Pressure Manifold

Notes: TBM is top of back eip 141/142