HTE# 07-5-17/64

Harment County Department of Public mealth 23481

Improvement Permit

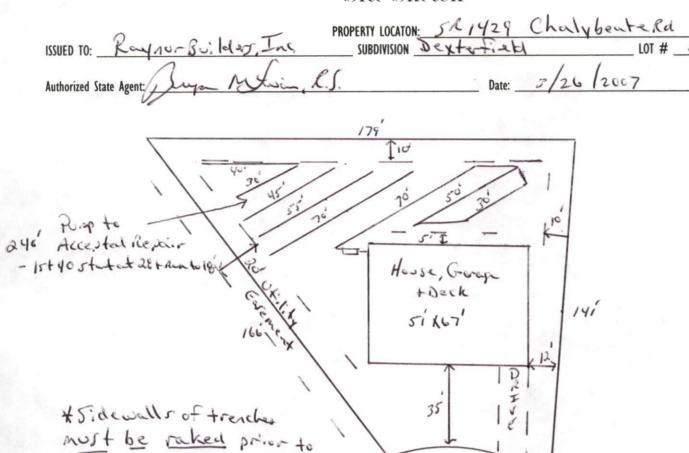
	A building permit cannot be issued wit	th only an Improvement Permit, ATION: 581429 Chaly beated	l'd
ISSUED TO! Raynor Builder, I	SUBDIVISION _		LOT # 5-4
NEW □ REPAIR □ , EXPA	NSION 🗆	Site Improvements required prior to Construction Auth	
Type of Structure: SED CIXGZ			
Proposed Wastewater System Type: Prefubrica	dea Permenble Block Per	nelsystem CPPBPSI	
Projected Daily Flow: 3'60 GPD			
	Occupants: max		
Basement 🗆 Yes 🔃 No	**************************************		
Pump Required: ☐Yes ☐ No ☑ May be	required based on final location and eleva-	vations of facilities	
	ic Well Distance from well		Five years
Permit conditions:			☐ No expiration
("	(, , , (-1-1-	
Authorized State Agent: Lya my	Date:		ATTACHED SITE SKETCH
The issuance of this permit by the Health Department in n	o way guarantees the issuance of other permi	its. The permit holder is responsible for checking with appropr	
		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 Dis	sposal and to conditions of this permit.	
	Construction Au	<u>uthorization</u>	
	(Required for Build	ding Permit)	
The construction and installation requirements of Rules .19		and .1959 are incorporated by references into this permit as	nd shall be met. Systems shall be
installed in accordance with the attached system layout.			
ISSUED TO: Rayner Builder	Inc. PROPERT	Y LOCATION: SR1429	
	SUBDIVIS	Y LOCATION: SR1429 ION Dexto-Field	LOT # 54
Facility Type: SFD 51X67	New 🗆 Expan		
Basement? Yes No Basement	t Fixtures? Yes No		
	(Initial)	Wastewater Flow: GPD	
(See note below, if applicable \square)	(micial)	Wastewater Flow.	
River to	Accepted	(Repair)	
	PICCO ICI	(nepair)	
Installation Requirements/Conditions			
1000		14100 11 11 9	
Septic Tank Size/OOO gallons	Exact length of each trench _		reet on Center
Pump Tank Size gallons	Trenches shall be installed on	contour at a Soil Cover. 6 MIA	
	Maximum Trench Depth of:		
	(Trench bottoms shall be level	to $\pm 1/4$ " 36" above the trench by	bottom)
	in all directions)		
Pump Requirements:ft. TDH vs	GPM		inches below pipe
		Aggregate Depth:	inches above pipe
Conditions: Ditch to beron on	contour + NO DEEPER	2 then 24	inches total
Conditions: Ditch to be on on Fole walls of trench	nost be raked pri	porte installing PPBPS	
**If applicable: / understand the syste	m type specified is different from the	e type specified on the application. I accept the spe	ecifications of this permit.
Owner/Legal Representative Signature:		Date:	
		es. The Construction Authorization shall not be transferred whe	
of the site. This Construction Authorization is subject to co	mpliance with the provisions of the Laws and	Rules for Sewage Treatment and Disposal and to the condition	CONTRACTOR OF THE PROPERTY OF
1.6	m.t. 15	SEE	ATTACHED SITE SKETCH
Authorized State Agent: / > 1	1 - 1 \	Date: 1 /2 6 MAC	

Construction Authorization Expiration Date: 3/26/2012

installing PPBPS system

Harnett County Department of Public Health Site Sketch

Road



two and one-half-foot-wide conventional trench. The long-term acceptance rate shall not exceed 0.8 gallons per day per square foot. Tubing and fittings shall comply with the requirements of ASTM F-667, which is hereby incorporated by reference including any subsequent amendments and editions. Copies of the standards may be inspected in and copies obtained from the Divison of Environmental Health, P.O. Box 27687, Raleigh, NC 27611-7687 at no cost. The corrugated tubing shall have two rows of holes, each hole between three-eighths and one-half-inch in diameter, located 120 degrees apart along the bottom half of the pipe (each 60 degrees from the bottom center line) and staggered so that one hole is present in the valley of each corrugation. The tubing shall be marked with a visible top location indicator, 120 degrees away from each row of holes. Filter wrap shall be spun, bonded, or spunlaced nylon, polyester, or nylon/polyester blend nylon filter wrap meeting the following minimum requirements:

Unit Weight:

Oz/yd2 = 1.0

Sheet Grab Tensile:

MD - 23 lbs.

Trapezoid Tear:

MD - 6.2 lbs.

XD - 5.1 lbs.

Mullen Burst:

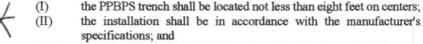
PSI = 40

KPa = 276

Frazier Air Perm, CFM/ft] 0.5 "H2O: 500"

Corrugated Tubing shall be covered with filter wrap at the factory and each joint shall be immediately encased in a black polyethylene sleeve which shall continue to encase the large diameter pipe and wrap until just prior to installation in the trench. Large diameter pipe systems shall be installed in accordance with this Rule and the manufacturer's guidelines. The trench bottom and pipe shall be level (with a maximum fall of one inch in 100 feet). Filter wrap encasing the tubing shall not be exposed to sunlight (ultraviolet radiation) for extended periods. Rocks and large soil clumps shall be removed from backfill material prior to being used. Clayey soils (soil group IV) shall not be used for backfill. The near end of the large diameter pipe shall have an eight-inch by four-inch offset adaptor (small end opening at top) suitable for receiving the pipe from the septic tank or distribution device and making a mechanical joint in the nitrification trench.

- (ii) A Prefabricated, Permeable Block Panel System (PPBPS), untilizing both horizontal and vertical air chambers and special construction to promote downline and horizontal distribution of effluent, may be used under the following conditions:
 - (A) the soil and site criteria of this Section shall be met;
 - (B) in calculating the required linear footage for a PPBPS's nitrification field, the linear footage for the nitrification line as determined in Rule .1955 (b) and (c), or in Rule .1956 (6)(b), Table III of this Section when applicable, shall be multiplied by 0.5 for a 16 inch PPBPS;
 - installation of the PPBPS shall be in accordance with these Rules except:



- the sidewalls of nitrification trenches placed in Group IV soils shall be raked to open pores which were damaged or sealed during excavation;
- (D) where design sewage flow is more than 480 gallons per day, the system shall be pressure-dosed; and
- (E) the long-term acceptance rate shall not exceed 0.8 gallons per day per square foot.