Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit PROPERTY LOCATION: **UDISIVICION** LOT # ISSUED TO: EXPANSION Site Improvements required prior to Construction Authorization Issuance: NEW | Type of Structure: Proposed Wastewater System Type: Projected Daily Flow: Number of bedrooms: Number of Occupants: Basement Yes No May be required based on final location and elevations of facilities No Pump Required: Yes Type of Water Supply: Community Public Well Distance from well feet Five years Permit valid for: No expiration Permit conditions: SEE ATTACHED SITE SKETCH Authorized State Agent:: Date: 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, .1951, .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: Juan Sanchez PROPERTY LOCATION: 727 Mt Olive Church Rd LOT # NOISIVIGAUS Facility Type: SFD (89'x36') Expansion Basement? Yes Basement Fixtures? Yes Pump to 25% Reduction System (Initial) Wastewater Flow: 360 Type of Wastewater System** (See note below, if applicable) Pump to Panel Block Installation Requirements/Conditions Number of trenches 1 Septic Tank Size 1000 Exact length of each trench 300 gallons Trench Spacing: 9 Feet on Center Pump Tank Size 1000 gallons Trenches shall be installed on contour at a Maximum Trench Depth of: 21 (Maximum soil cover shall not exceed inches (Trench bottoms shall be level to +/-1/4" 36" above the trench bottom) in all directions) Pump Requirements: ft. TDH vs. inches below pipe _____ inches above pipe Conditions: Permit based on applicant's proposal. 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: This Construction Authorization is subject to sexocation 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 Date: 8/12/22 Authorized State Agent: Construction Authorization Expiration Date: 8/12/27

Soil Investigation and Septic System Design 727 Mt Olive Church Road; PIN 0518-95-4622.000 5 July 2022

Figure 2. Septic system design and layout



Scale 1 in = 50 ft

Distances are paced and approximate. For reference only. Not a survey.

REAS (OLIVER TOLKSOOR)

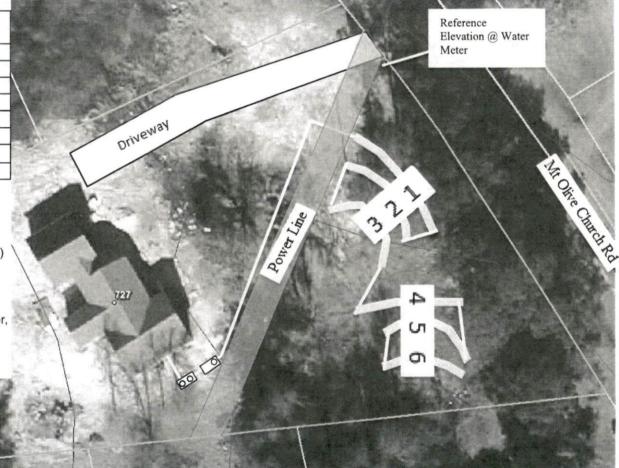
Lines liagged at site on 9-1t centers.						
		Relative	Drainline Length(ft)			
Line#	Color	Elevation (ft)				
1	В	97.26	65			
2	Υ	96.96	50 45 60			
3	W	96.31				
4	В	94.54				
5	Υ	93.65	40			
6	W	93.55	40			
Pump Tank		94.44				
Benchmark		100.00				

Lines flagged at site on Q fl contern

Initial System

Pump to 300 ft (X 3ft)
Accepted status drainlines (Lines 1-6)
Installed on contour at 21 inches
LTAR 0.3 gal/day/sqft

*drainlines must be at least 9ft on center, 10ft from property line, 5ft from home, and 3ft from sidewalks and driveway



Mt Olive Church Road

Pump System Design Criteria

DESIGN DAILY FL	ow .	360	6	gallons	SOIL LTAR:	0.3	gpd/ft ²	
TANKS (min) S	eptic Tank:	1000	6	gallons	Pump Tank:	1000	gallons	
	Length (ft):			Diameter: scour velocity =	20.9	sch 40 pgpm	ovc	
TRENCHES Drai	nline Type:	Accepted (25% re	eduction) Syst	em	Elevation	97.98	feet
Max tre	ench depth:	21	i	nches				
Tro	ench width:	3	f	feet	Trench Leng	th Factor:	75	%
Absor	ption Area:	900		sqft	Min Line	ar Length:	300	feet
Actual Tren	nch Length:	1		X	300	feet =	300	fee
PUMP CALCULAT Total Flow:	23	gpm						
Dose Volume (gal):	147	gallons, wit	th Pipe	e Volume at	75	%	*65.3gal/100f	t pipe
Dose Pump Run Ti	me (min):	6.39		Daily	Pump Run T	ime (min):	15.65	_
Drawdown (in.):	147	gallons	÷ _	20	gal/ inch =	7.35	inches	
Pump Tank Elevation (ft):		94.44		Pump l	Elevation (ft):	89.44		
Friction Head:	2.56	*Hazen Willia	ms For	mula (use supply	line length+70'	for fittings in	pump tank)	
Elevation Head:	9.5	Design H	lead: _	2.0	Т.	otal Head:	14.10	fee
Pump to Deliver:	23.00	gpm (<u> </u>	14.10	ft head			

NEMA 4X Simplex Control Panel with elapsed time meter, cycle counter, audible and visible alarm, hand-off-automatic (HOA) switch, and pump on separate circuits is required. A septic tank filter is required. Floats to be determined by type of pump tank used.