

HTE# 10-5-23527

Harrison County Department of Public Health

25874

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: KEITH BULLOCK BUILDERS INC PROPERTY LOCATION: LASATER RD
 SUBDIVISION WALNUT GROVE LOT # 22
 NEW REPAIR EXPANSION
 Type of Structure: SFD (60'x60')
 Proposed Wastewater System Type: Pump To 25% Reduction w/ PRESSURE MANIFOLD
 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 100 feet
 Permit conditions: _____ Permit valid for: Five years No expiration

Authorized State Agent: ~~RENS~~ Date: 2/2/10 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: KEITH BULLOCK BUILDERS INC PROPERTY LOCATION: LASATER RD
 SUBDIVISION WALNUT GROVE LOT # 22
 Facility Type: SFD (60'x60') New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** Pump To 25% Reduction w/ PRESSURE MANIFOLD (Initial) Wastewater Flow: 360 GPD
 (See note below, if applicable
DRIP IRRIGATION W/OUT PRETREATMENT (Repair)

Installation Requirements/Conditions
 Septic Tank Size 1000 gallons
 Pump Tank Size 1000 gallons
 Number of trenches 2
 Exact length of each trench 12¹⁰⁰/₂₁₀ feet
 Trenches shall be installed on contour at a
 Maximum Trench Depth of: 12 inches
 (Trench bottoms shall be level to +/-1/4" in all directions)
 Trench Spacing: 9 Feet on Center
 Soil Cover: 6 inches
 (Maximum soil cover shall not exceed 36" above the trench bottom)

Pump Requirements: _____ ft. TDH vs. _____ GPM _____ inches below pipe
 Aggregate Depth: _____ inches above pipe _____ inches total

Conditions: WATER LINE MUST BE 10' FROM SEPTIC SYSTEM, SEE ATTACHED SHEET FOR MANIFOLD DESIGN. THIS PERMIT BASED ON PROPOSAL FROM APPLICANTS SOIL CONSULTANT. ENOUGH COVER WILL BE NEEDED FOR ENTIRE DRAINFIELD (INCLUDING STEPDOWNS) TO BE AT LEAST 6" UNDER FINAL GRADE.

**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: ~~RENS~~ Date: 2/2/10
 Construction Authorization Expiration Date: 2/2/15

HTE# 10-5-23527

Permit # 25874

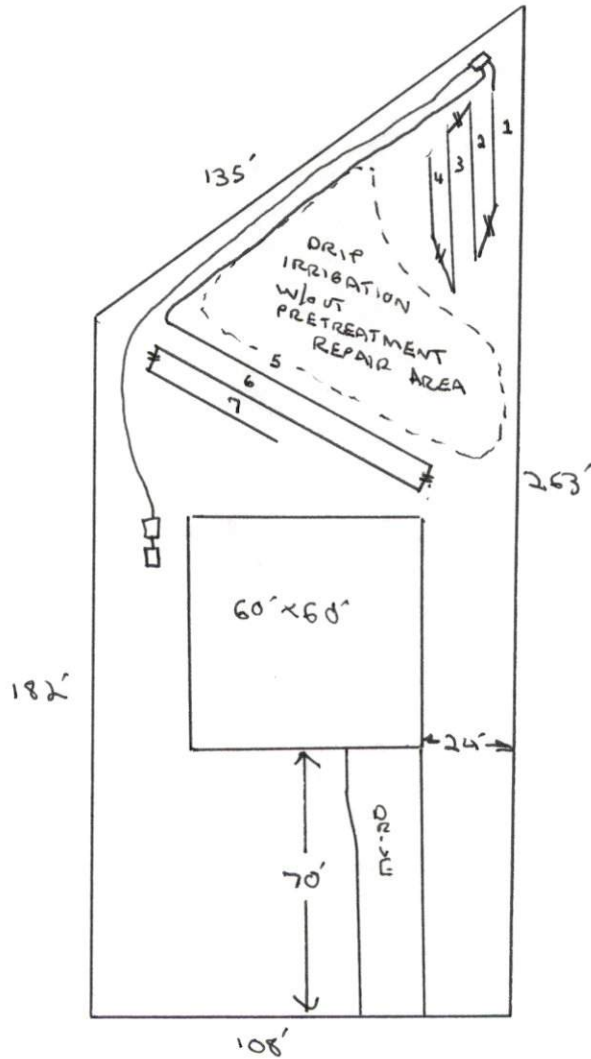
Harnett County Department of Public Health Site Sketch

PROPERTY LOCATOR: LASATER RD

ISSUED TO: KEITH BULLOCK BUILDERS INC SUBDIVISION WALNUT GROVE LOT # 22

Authorized State Agent: ~~REINS (OLIVER TOLKSOOF)~~ Date: 2/2/10

- LINE 1 25'
- LINE 2 27'
- LINE 3 33'
- LINE 4 15'
- LINE 5 85'
- LINE 6 84'
- LINE 7 52'



Option 1

TAP CHART

Bench Mark		is = 100.00	set at	Pump elev.		95.00	Design Head:		2	Manifold elev.		101.00	LINE LTAR
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area					
1		12,3,4	100.00	100	3/4in SCH 80	10.1	120.00	300				0.400	
2		5,6,7	100.00	200	1in SCH 40	20.2	240.00	600				0.400	
3			100.00		NA		0.00	0				#DIV/0!	
4			100.00		NA		0.00	0				#DIV/0!	
5			100.00		NA		0.00	0				#DIV/0!	
6			100.00		NA		0.00	0				#DIV/0!	
7			100.00		NA		0.00	0				#DIV/0!	
8			100.00		NA		0.00	0				#DIV/0!	
		total	feet =	300	gal/min =	30.3			<u>LTAR =</u>	0.30			
% of Dose Vol.		70	<u>Des. Flow</u>		360			(ltar + 5%)	0.32				
Dose Volume		137	Pump Run=		11.88			(ltar W/ INOV)	0.40				
Dose Pump Time		4.50	Tank Gal/IN		20			(ltar + 5%)	0.42				
Drawdown in Inches		6.8	Elev. Head		6.00								
Supply Line Length													
Comments:													

Option 2

TAP CHART

Bench Mark		is = 100.00	set at	Pump elev.		95.00	Design Head:		2	Manifold elev.		101.00	LINE LTAR
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area					
1		1,2,3	100.00	85	3/4in SCH 80	10.1	101.62	255				0.399	
2		5	100.00	85	3/4in SCH 80	10.1	101.62	255				0.399	
3		6	100.00	85	3/4in SCH 80	10.1	101.62	255				0.399	
4		7	100.00	45	1/2in SCH 80	5.48	55.14	135				0.408	
5			100.00		NA		0.00	0				#DIV/0!	
6			100.00		NA		0.00	0				#DIV/0!	
7			100.00		NA		0.00	0				#DIV/0!	
8			100.00		NA		0.00	0				#DIV/0!	
		total	feet =	300	gal/min =	35.78			<u>LTAR =</u>	0.30			
% of Dose Vol.		70	<u>Des. Flow</u>		360			(ltar + 5%)	0.32				
Dose Volume		137	Pump Run=		10.06			(ltar W/ INOV)	0.40				
Dose Pump Time		3.81	Tank Gal/IN		20			(ltar + 5%)	0.42				
Drawdown in Inches		6.8	Elev. Head		6.00								
Supply Line Length													
Comments:													

Option 3

TAP CHART

Bench Mark		is = 100.00	set at	Pump elev.		95.00	Design Head:		2	Manifold elev.		101.00	LINE LTAR
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area					
1		1,2	100.00	52	1/2in SCH 40	7.11	57.26	156				0.367	
2		3,4	100.00	48	1/2in SCH 40	7.11	57.26	144				0.398	
3		5	100.00	84	3/4in SCH 40	12.5	100.67	252				0.399	
4		6	100.00	84	3/4in SCH 40	12.5	100.67	252				0.399	
5		7	100.00	42	1/2in SCH 80	5.48	44.13	126				0.350	
6			100.00		NA		0.00	0				#DIV/0!	
7			100.00		NA		0.00	0				#DIV/0!	
8			100.00		NA		0.00	0				#DIV/0!	
		total	feet =	310	gal/min =	44.7			<u>LTAR =</u>	0.30			
% of Dose Vol.		75	<u>Des. Flow</u>		360			(ltar + 5%)	0.32				
Dose Volume		151	Pump Run=		8.05			(ltar W/ INOV)	0.40				
Dose Pump Time		3.38	Tank Gal/IN					(ltar + 5%)	0.42				
Drawdown in Inches		#DIV/0!	Elev. Head		6.00								
Supply Line Length													
Comments:													

(A)
0-22" G 3 VFD NS/NP
22-31" SBK SCL F1 ES/SP PS.3 CR2 @ 28"

(B)
0-22" G 3 VFD NS/NP
28-42" SBK SCL F1 ES/SP PS.3

(C)
0-24" G 3 VFD NS/NP PS.3 CR2 @ 32"
24-30" SBK SCL F1 ES/SP