Depart Divisio On-Sid Owned Addre Propos Locati Water Evalua Type o	tment of Er on of Envir te Wastewa for ON- r: ss: sed Facility on of Site: Supply: ation Metho of Wastewa	vironme onmenta ter Section SOIL/S SITE W Applican Applicant ter:	int, Health and Health on ITE EVALUA ASTEWATE Int: 24464 Date Desi Prop Dablic Auger Bo Sewage	Natural Resource: ATION R SYSTEM Evaluated: 5 - 20 gn Flow (.1949): orty Recorded: Individua ring Industrial	4-10 490] I □ Well Pit □ Cut Process □ Mixe	Sheet: Prope Lot #: File # Code: Property Size: Spring t	rty ID: : Other		è.
P R O F I L E #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL M	ORPHOLOGY .1941 .1941 Consistence	. 194 2 30 il Wetness/	OTHER PROFILE FACTORS .1942 Soil .1943 .1956 .1944 Wetness/ Soil Sepro Restr			Profile Class
1	L 4%	0.24	SL G	1 on isus	Color	Depth (IN.)	Class	Horiz.	ALTAR
		24 -38	SCCL F	-15-155/	34"-26" 284	-wet	hates		.35
2	<u>ل ۲۶</u>	0-24	JL C	n on vino	· • · · ·				
		24-36	se-ce A	-1 m 55	34" 2-	wet	itoen		.35
3	L 520	6-20	5L A	n Gurswp					
		20-36	SC-CIAY FR	-1873h.S. A.	32" ". Sya				- }
				· · ·					
							·		<u></u>
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Description	R . lat . A				
		Repair System	Other Factors (1046)		
	System			\sim	
Available Space (. 1945)			Site Classification (. 1948);	PS	
System Typedal			Evaluated By:	~	
all in the system	252	25 paren			1
Site LTAR	.25		Others Present:		
		······································		<u> </u>	







Sheet1

Regal Crest Subdivision, Lot 6 Repair Tap Chart

			+						
Bench Mark	0.00	is = 100.00	Location of	ВМ				Elevation Head	13.00
Pump tank elev.		8	92.00	Pump elev.	87.00	Manifold elev		ev.	100.00
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1&2	Not Flagged	1.00	99.00	65	1/2in SCH 40	7.11	86.62	195	0.4442
3&4	Not Flagged	2.80	97.20	85	1/2in SCH 40	7.11	86.62	255	0.3397
5&6	Org/Yel	6.10	93.90	70	1/2in SCH 40	7.11	86.62	210	0.4125
7	Red	6.70	93.30	53	1/2in SCH 80	5.48	66.76	159	0.4199
8	Pink	7.00	93.00	60	1/2in SCH 80	5.48	66.76	180	0.3709
9	Blue	7.30	92.70	70	1/2in SCH 40	7.11	86.62	210	0.4125

	total	feet =	403	gal/min =	39.4	LTAR =	0.3000
						LTAR + %5	0.3150
% of Dose Vol.	80		Des. Flow	480		(Itar W/ INOV)	0.4000
Dose Volume	209.56		Pump Run=	12.18		(itar W/ INOV + 5%)	0 4200
Dose Pump Time	5.32		Tank Gai/IN	21			0.1200
Drawdown in Inches	9.98						



Central Carolina Soil Consulting, PLLC

329 South White Street Wake Forest, NC 27587 919-569-6704

> May 26, 2010 Project # 860

NC Custom Homes, LLC. David Dozier 1508 Mycenae Place Fuquay-Varina, NC 27526

RE: Soil/site evaluation and septic system layout on lot 6 in Regal Crest Subdivision, Harnett County.

Dear Mr. Dozier:

Central Carolina Soil Consulting completed a soils evaluation and septic system layout per your request on lot 6 in Regal Crest subdivision to determine soil suitability for a 4-bedroom septic system and repair area. The soil site evaluation was performed using hand auger borings, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". The soils on 6 are provisionally suitable for modified conventional type septic system and repair area for the proposed 4-bedroom home utilizing Accepted Status Product with a 25% area reduction. The proposed primary system is a gravity system (Lines 10-16) requiring an 18" trench bottom on contour. The soils in this area had a sandy loam surface over a sandy clay loam subsoil suitable to at least 30-36" over the proposed drainfield area with a site LTAR of 0.35 gal/day/ft2. The repair area shall be a pressure manifold (Lines 1-9) which will use suitable soil in the front yard and back right corner of the yard behind the house. The soils in the back yard contained a sandy loam surface over a sandy clay loam subsoil (0.35 gal/day/ft2) and the soils in the front yard contained a sandy loam surface over a clay subsoil (0.3 gal/day/ft2) with a soil wetness condition at 32". The soil LTAR for the repair area is the lower of the two LTAR's (0.3 gal/day/ft2). The specific septic systems and loading rates for this lot will be permitted by the Harnett County Health Department. The area for the proposed septic fields shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land during construction of the house and should be fenced off to prevent compaction of the soil.

This lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, CCSC cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency.

Please give me a call if you have any questions.

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Sincerely,

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Je Hall

Jason Hall NC Licensed Soil Scientist 1248