S&EC

Soil & Environmental Consultants, PA

248 LePhillip Court • Concord, North Carolina 28025 • Phone: (704) 720-9405 • Fax: (704) 720-9406
www.SandEC.com

Attached is a proposed design for a Gravity Distribution Septic System for a 3 bedroom single family residence on lot 17 Wheatfield in Iredell County, North Carolina.

OK

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April 24, 2008
S & EC Project No. 5-1862
Design By: E. Bailey

Greensboro Office:
3817-E Lawndale Drive
Greensboro, NC 27455
Phone: (336) 540-8234
Fax: (336) 540-8235

Raleigh Office:
11010 Raven Ridge Road
Raleigh, NC 27614
Phone: (919) 846-5900
Fax: (919) 846-9467

Wheatfield Lot 17

Project No. 5-1862

LAYOUT FOR 3 BEDROOM HOME — April-08

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH
TBM		7.5			100.00	
INSTR. 1			107.50			
			System			
1	Red			2.50	105.00	100
2	Orange			2.90	104.60	80
3	Yellow			3.40	104.10	80
4	Blue			4.00	103.50	80
			Repair		**Total**	**340**
5	Pink			4.90	102.60	70
6	Red			5.60	101.90	70
7	Orange			6.50	101.00	65
						205

	LINE LENGTH	Soil LTAR	SYSTEM TYPE	Innovative Type	DISTRIBUTION	Trench Depth
SYSTEM	340	0.3	Innovative	25%	Drop Box	24
REPAIR	205	0.3	PPBPS	50%	Drop Box	30

Notes:

**TBM is top of back right property stake

**Nitrification lines are demonstrated on contour via colored pin flags

**BS, HI, and FS indicate rod readings

**Repair lines will be center distributed

**Lines may be longer in field than design requires

Wheatfield lot 17
Repair
Design Specifications

Line #	Color	# Panels	# Holes/ Panel	Line Length	Hole Size	Line Head	Line Flow
5	Pink	16	1	70	5/32"	2	6.56
6	Red	16	1	70	5/32"	2	6.56
7	Orange	15	1	65	5/32"	2	6.15
	Total	**47**		**205**			**19.27**