IREDELL COUNTY HEATLH DEPARTMENT

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE SAMPLE SITE PLAN BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!

Place an (X) beside each item as you complete the site plan:

- X — Property Line measurements are clearly identified…
- X — All proposed structures are indicated…
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- X — Front and side setbacks from property line…
- X — Preferred driveway location and configuration, preferred well location…
- X — Area you prefer your septic system to be placed…
- X — North arrow, or other sufficient indicator of direction…

Circle N/A on the following if appropriate:

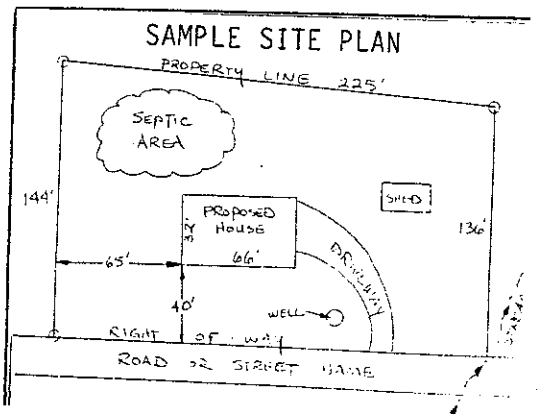
- X — Location of septic systems and wells within 100' of your property… (N/A)
- X — Location of easements and rights of ways on your property… (N/A)
- X — Location of any designated wetlands on the property… (N/A)

Signature: Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

5/16/08
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached SITE PLAN



25% REDUCTION SYSTEM
FOR WASTEWATER TREATMENT

Owner: Bells Crossing, LLC

Address: 127B Promenade Dr.
Mooresville, NC 28117
Phone: 704 361 1084
County: Iredell
Location: BELLS CROSSING LOT 57

Source of Wastewater Flow: 4 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 480 gpd
System Flow: N/A

Design Specifications

Drainfield Size: 500
Loading Rate: 0.25
Depth of Gravel in Trench: NA (25% reduction)
Gravel Size: NA (25% reduction)
Trench Depth: 20 in.
Trench Width: 36 in.
Septic Tank Size: 1000
Pump Tank Size: N/A

Estimated Supply Line Length: 12
Supply Line Diameter: 3 in. SCH 40 PVC
Supply Line Volume: 2.09
Dosing Volume: N/A
Supply Manifold: DROP BOX
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A
N/A
Recommended Control Panel: N/A
N/A

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: NA
Gate Valves: NA
NA
Check Valves: NA
Anti-Siphon Hole: NA
Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services.

BELLS CROSSING LOT # 57

Project #: 01-1429

LAYOUT FOR 4 BEDROOM HOME

September 10, 2008

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		N/A			N/A		
INSTR. 1			N/A				
HOUSE CNR				N/A	N/A		
P. TANK				N/A	N/A		
1	***RED***			***N/A***	***N/A***	***46***	***45***
2	***PINK***			***N/A***	***N/A***	***66***	***65***
3	***ORANGE***			***N/A***	***N/A***	***87***	***85***
4	***BLUE***			***N/A***	***N/A***	***107***	***105***
5	***RED***			***N/A***	***N/A***	***152***	***135***
6	PINK			N/A	N/A	50	50
7	***ORANGE***			***N/A***	***N/A***	***65***	***65***
8	ORANGE			N/A	N/A	40	40
9	BLUE			N/A	N/A	40	40
10	BLUE			N/A	N/A	43	43
11	PINK			N/A	N/A	60	60
12	RED			N/A	N/A	70	70
13	ORANGE			N/A	N/A	67	67
14	BLUE			N/A	N/A	60	60
15	PINK			N/A	N/A	45	45
16	RED			N/A	N/A	28	28
					Total	**1026**	**1003**

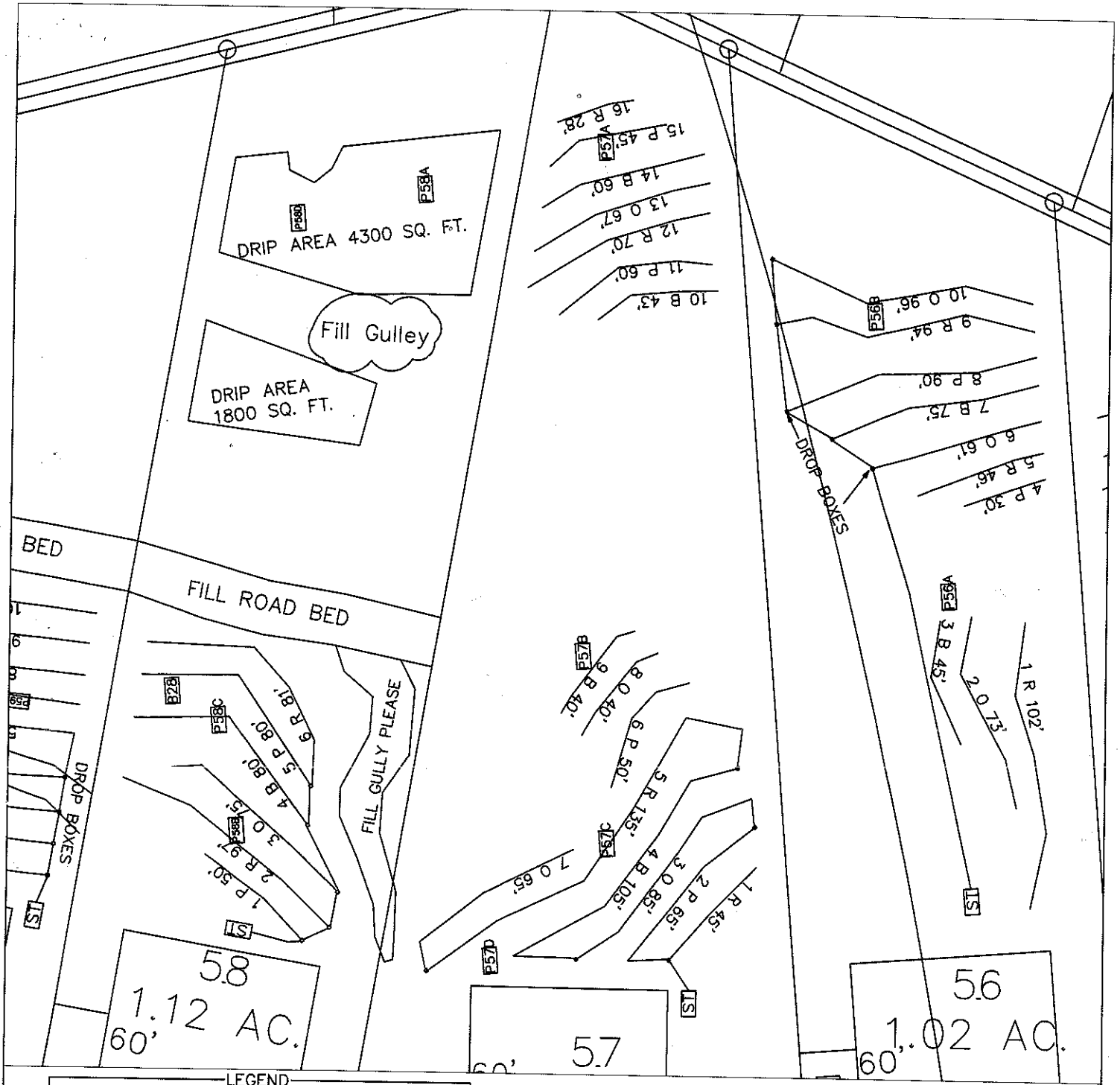
	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
** System*	***500***	***0.250***	***ACCEPT.***	***0.250***	***25% RED.***	**GRAVITY**
Repair	503	0.250	ACCEPT.	0.250	25% RED.	**DISTRIBUTION** LOW PRESSURE

Notes:

**All measures in feet

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

**BS, HI, and FS indicate rod readings



LEGEND

House Box.

System lines.

Repair lines.

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

ROLLANS SOIL & ENVIRONMENTAL SERVICES
470 NORTH BROAD STREET SUITE D
MOORESVILLE, NC 28115
PHONE: (704) 658-1723
FAX: (704) 658-1724
BRADY FREEMAN, R.S.
MOBILE: (704) 746 - 6497
EMAIL: BFREE2097@YAHOO.COM
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746 - 5066
EMAIL: ROLLANS@WINDSTREAM.NET

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: BELLS CROSSONG, LLC / BELLS CROSSING

LOCATION/DATE: PERTH RD IREDELL COUNTY, NORTH CAROLINA SEP 2006

JOB # : 01-1429
FILE: C:\JOBS\01-1429
PROJECT MGR.: C.B.F.
FIELD WORK: C.B.F., A.L.P. & M.D.B.
DRAWN BY: C.B.F. & M.D.B.