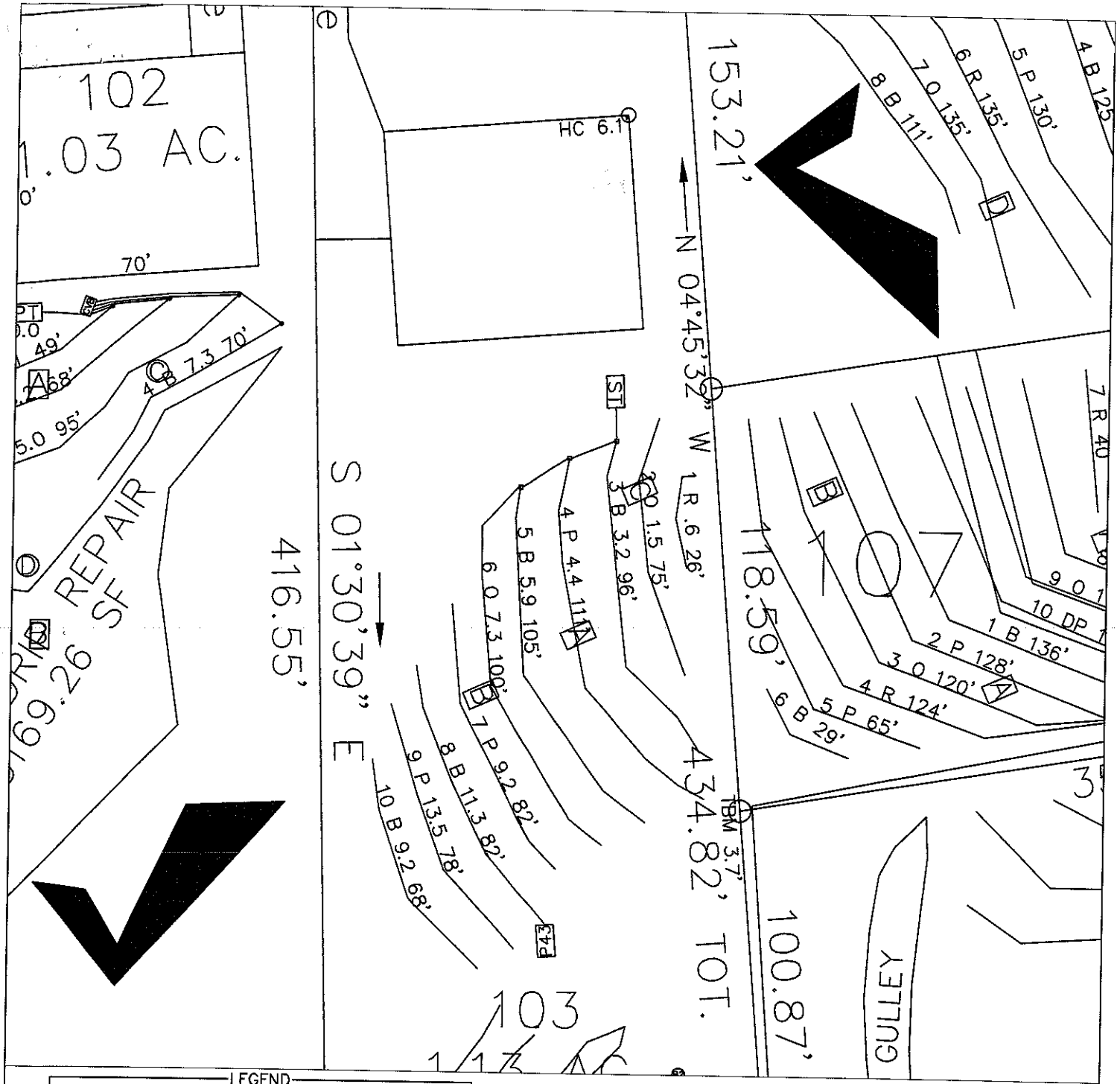


LEGEND

House Box.

System lines.

Repair lines.

GRAPHIC SCALE
1" = 40'

40 0 40 80

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: BFREE2985@YAHOO.COM

ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746 - 5046
EMAIL: ROLLANS.ASHLEY@YAHOO.COM

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: BELLS CROSSING, LLC / BELLS CROSSING

LOCATION/DATE: PERTH RD
IREDELL COUNTY, NORTH CAROLINA
NOV 2008

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.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bells Crossing lot 103
ADDRESS: ___ APPLICATION DATE 11/04
PROPOSED FACILITY: Res PROPOSED DESIGN FLOW (.1949): 480 DATE EVALUATED: 11/04
LOCATION OF SITE: ___ PROPERTY SIZE: ___
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other ___ PROPERTY RECORDED: ___
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
D 43 1	4/10-15	0-14	BRC gr mASBK	FSS P S E XP	- P SaP - f yRS	26	—	—	P S 0.25
		14-26	RYC/ mSBK	FrSSS P S E XP	- MSaP				
		26-60	VarS/ MaSS	" " " "	- f Mod/ VR. Inch.				
P 103 2 A	5S 5-10%	0-17	RC MFSBK	SS, SP, FrSEXP	- Per loam SaP	41	P S	—	P S 0.3
		17-41	RYC LUFSBK	" " " "					
		41-60	VarL SaP Ma	" " " "					
103 3 B	C SS 10-15%	0-24	RC MFSBK	FrN SSSP SExP	Common SaP	56			.3
		24-56	RC/ MVFSBK	FrN SSSP SExP					
P 103 4 C	C S S 10-15%	0-23	RC MFSBK	FrN SSSP SExP		60			.3
		23-60	RC/ MOD	FrN SSSP SExP	Mottled SaP				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)	Accepted	PPBPS
Site LTAR	0.3	.25

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: Rollins Soil & Environmental
OTHER(S) PRESENT: ___

COMMENTS: ___

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 11/17/08
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: _____
LOCATION OF SITE: Bells Crossing Lot 103 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE CODE	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
A	L	0-14	mSbkC	fr SSSp	many Sap				PS
	8-10%	14-37	wSbkCL	fr SSSp					.35
		37-60	MassL'Sap	vfr nSnp					
B	L	0-10	mAbkC	fr SSSp	com-many	Sap			PS
	12-15%	10-60	wSbkCL	fr SSSp					.3
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Anthony Coker R.S.
OTHER(S) PRESENT: _____

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	RED	0.6	26
2	ORANGE	1.5	90
3	BLUE	3.2	96 94
4	PINK	4.4	111 110
5	BLUE	5.9	110 118
6	ORANGE	7.3	100 98
7	PINK	9.2	99 86
8	BLUE	11.3	93
9	PINK	13.5	103
10	BLUE	14.7	100

LOT 103 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 3-7 TOTAL 516 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH

86 TOTAL

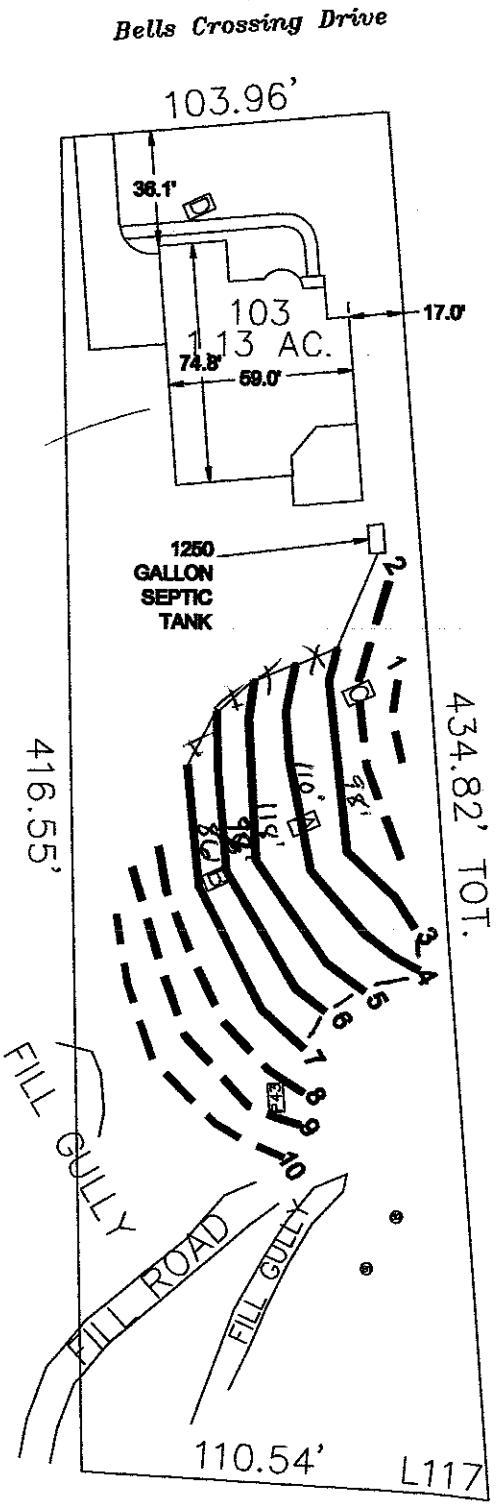
5-BEDROOM LPPPBS REPAIR
LINES 1, 2 AND 8-10 TOTAL 412 LINEAR FEET

LTAR 0.25
50% REDUCTION
36" TRENCH DEPTH

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

NOTE: HOUSE PAD WILL NEED TO BE SET AT AN ELEVATION THAT ALLOWS FOR GRAVITY TANK PLACEMENT. IF NOT A PUMP WILL BE REQUIRED.

APPROVED FEB 12 2015



PRIMARY SYSTEM ———

REPAIR SYSTEM — — — —

REPAIR LINES (NOT USED) - - - - - - -

PIT OR AUGER BORING A

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners

MeritageHomes

LOT 103
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 1/22/15 DRAWN BY: MB CHECKED BY:TMB