LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	ORANGE	1.2	40
2	WHITE	2.7	60
3	BLUE	4.5	70
4	YELLOW	6.5	79
5	RED	8.4	91
6	ORANGE	11.0	100
7	WHITE	13.7	103
8	BLUE	15	104
9	RED	17.6	102
10	YELLOW	20.5	50
11	RED	22.7	~~45~~ 51
12	BLUE	26.1	~~36~~ 37
13	ORANGE	28.7	30

I AUTHORIZE CHANGES

MB 4-1-16

APPROVED APR 01 2016

LOT 139 BELLS CROSSING SUBDIVISION

5-BEDROOM INNOVATIVE GRAVITY SYSTEM
SERIAL DISTRIBUTION WITH DROP BOXES
LINES 5-10 TOTAL 550 LINEAR FEET
EZFLOW OR CHAMBER
LTAR ~~0.3~~ .275
25% REDUCTION
36" ~~24"~~ MAX TRENCH DEPTH

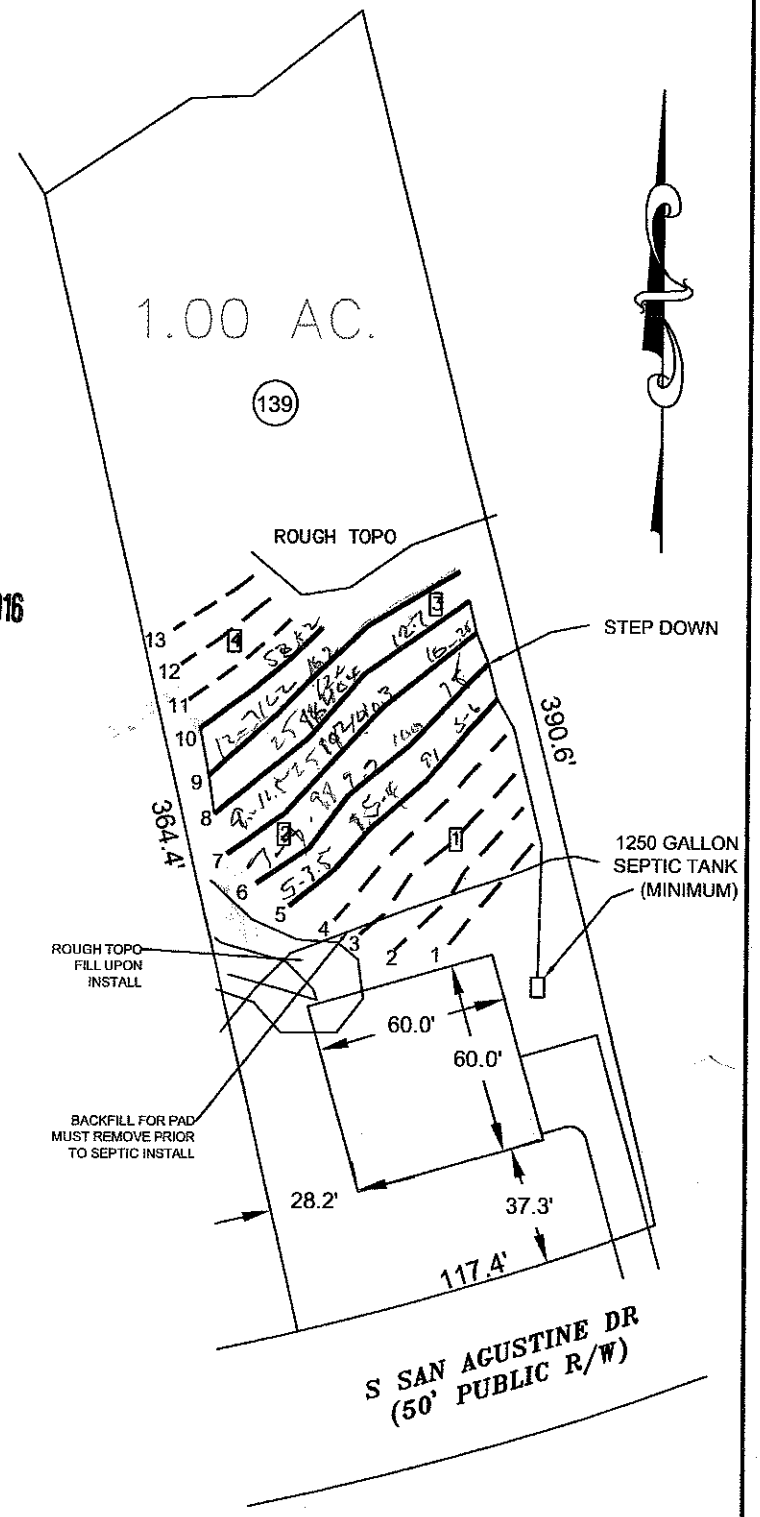
5-BEDROOM PANEL BLOCK REPAIR
LINES 1-4 11-13 TOTAL 363 LINEAR FEET
LTAR ~~0.3~~ .275
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL ANALYSIS AND APPLICATION RATES PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING

SYSTEM LINE ————

REPAIR LINE — — — —



0 30 60

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378

MeritageHomes

LOT 139
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE:1/18/15 DRAWN BY: MDB CHECKED BY: TMB

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 OF 1
PIN #: 4639-83-1372
Lot #: 139
Permit #: 216972
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: MERITAGE HOMES
Applicant: BCSC
Address: 2524 RELIANCE AVE. APEX, NC
Date Evaluated: 3/31/2016
Proposed Facility: SFR
Design Flow (.1949) 600
Property Size: 1 AC
Location of Site: BELLS CROSSING 139
Property Recorded: YES
Water Supply: [X] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
PIT 1	LINEAR 28%	0-32	C,S,ABK	SS	NA	32"	S	56"+	.275
		32-56	LSAP	SS					
PIT 2	LINEAR 28%	0-22	CL,M,SBK	SS	NA	48"	NA	48"+	.3
		22-48	C,M,SBK	SS					
PIT 3	LINEAR 28%	0-20	C,S,ABK	SS	NA	52"	NA	52"+	.275
		20-52	C,M,SBK	SS					
PIT 4	LINEAR 28%	0-22	CL,M,SBK	SS	NA	52"	NA	52"+	.3
		22-52	C,M,SBK	SS					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	G-25% RED	PANEL BLOCK
Site LTAR	.275	.275

Other Factors (.1946):
Soil Evaluation By: BEN ALDRIDGE
Others Present: MICHAEL BENFIELD
Site Classification (.1948): PS
Site Evaluation By: BEN ALDRIDGE
Others Present: MICHAEL BENFIELD