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

Sheet: 1 OF 1
PIN #: 4639-73-5336
Lot #: 145
Permit #: 216979
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: MERITAGE HOMES
Applicant: BCSC
Address: 2524 RELIANCE AVE. APEX, NC
Date Evaluated: 4/8/2016
Proposed Facility: SFR
Design Flow (.1949) 480
Property Size: .9 AC
Location of Site: BELLS CROSSING 145
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 12%	0-23	C,M,ABK	SS	NA	65"	NA	65"+	.3
		23-65	CL,W,SBK	SS					
PIT 2	LINEAR 12%	0-17	C,M,ABK	SS	NA	17"	S	50"+	.3
		17-50	SSAP	NS					
PIT 3	LINEAR 12%	0-28	C,M,ABK	SS	NA	28"	S	50"+	.3
		28-50	LSAP	SS					
PIT 4	LINEAR 12%	0-22	C,M,SBK	SS	NA	22"	S	50"+	.35
		22-50	SSAP	NS					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	G-25% RED	G-25% RED
Site LTAR	.3	.3

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	ORANGE	4	70
2	BLUE	4.6	69
3	YELLOW	5.5	45
4	RED	6.0	91
5	ORANGE	6.9	44
6	PINK	7.6	95
7	WHITE	8.9	97
8	ORANGE	10.8	86
9	RED	12.4	84
10	BLUE	14.8	85
11	PINK	17.8	64
			830

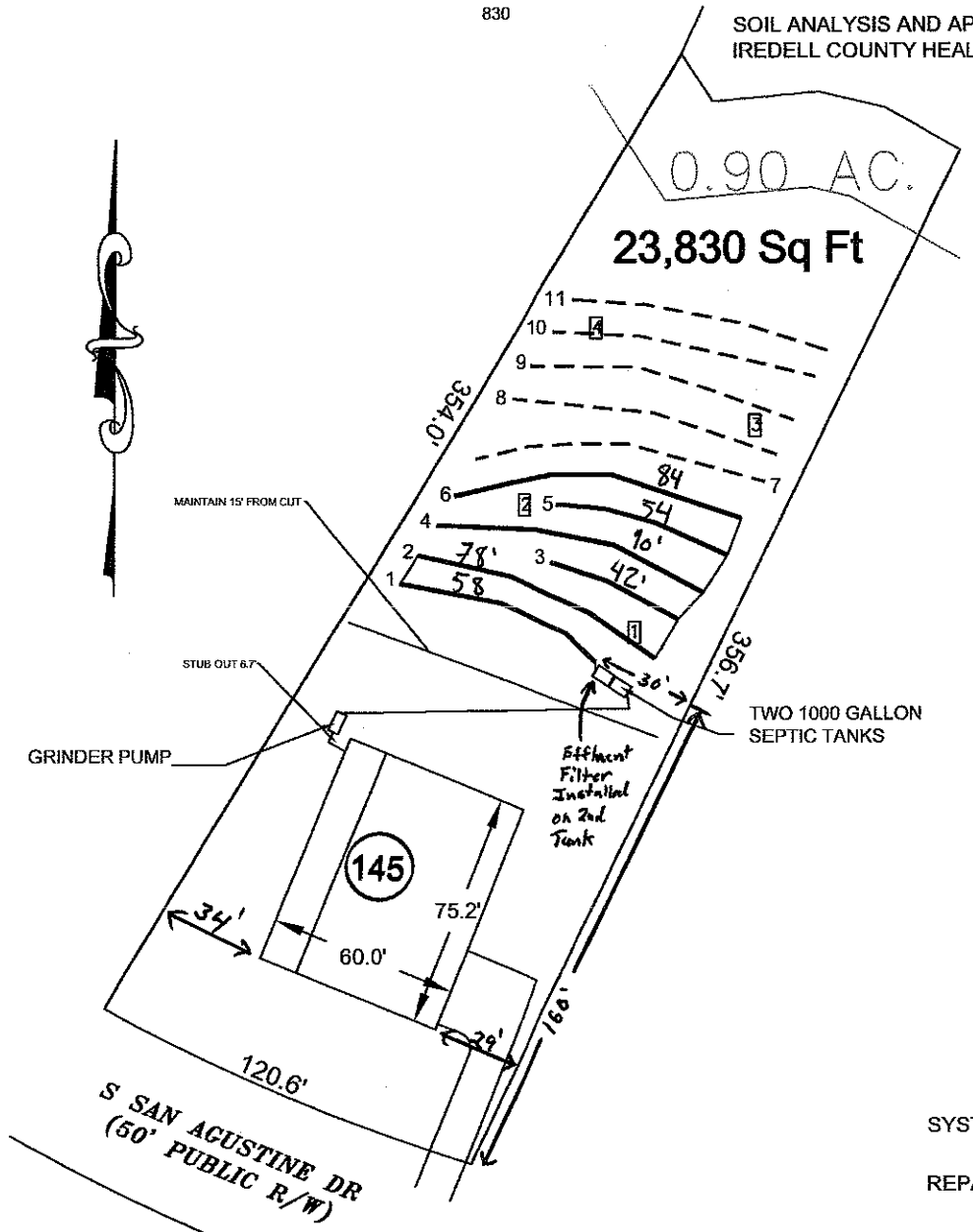
LOT 145 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED GRAVITY SYSTEM
WITH GRINDER PUMP OFF HOUSE
LINES 1-6 TOTAL 443 LINEAR FEET
EZFLOW OR CHAMBER
24" MAX TRENCH DEPTH
LTAR 0.3
25% REDUCTION

4-BEDROOM ACCEPTED GRAVITY REPAIR
LINES 7-11 TOTAL 416 LINEAR FEET
LTAR 0.3
25% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL ANALYSIS AND APPLICATION RATES PROVIDED BY
IREDELL COUNTY HEALTH DEPARTMENT



APPROVED DEC 19 2016

0 30 60

SCALE:
1" = 60 ft.

SYSTEM LINE ———

REPAIR LINE — — — —

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 145
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE:11/14/16 DRAWN BY: MDB CHECKED BY: TMB