Renseal

Site plan.

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	WHITE	1.1	20
2	BLUE	2.6	49
3	RED	3.2	24
4	ORANGE	4.0	91
5	PINK	6.4	85
6	RED	8.5	66
7	BLUE	9.8	72
8	ORANGE	11.7	80
9	PINK	13.4	73
10	BLUE	15.3	70
11	RED	16.9	50
12	ORANGE	18.2	30
			710

Approved MD 5/26/16

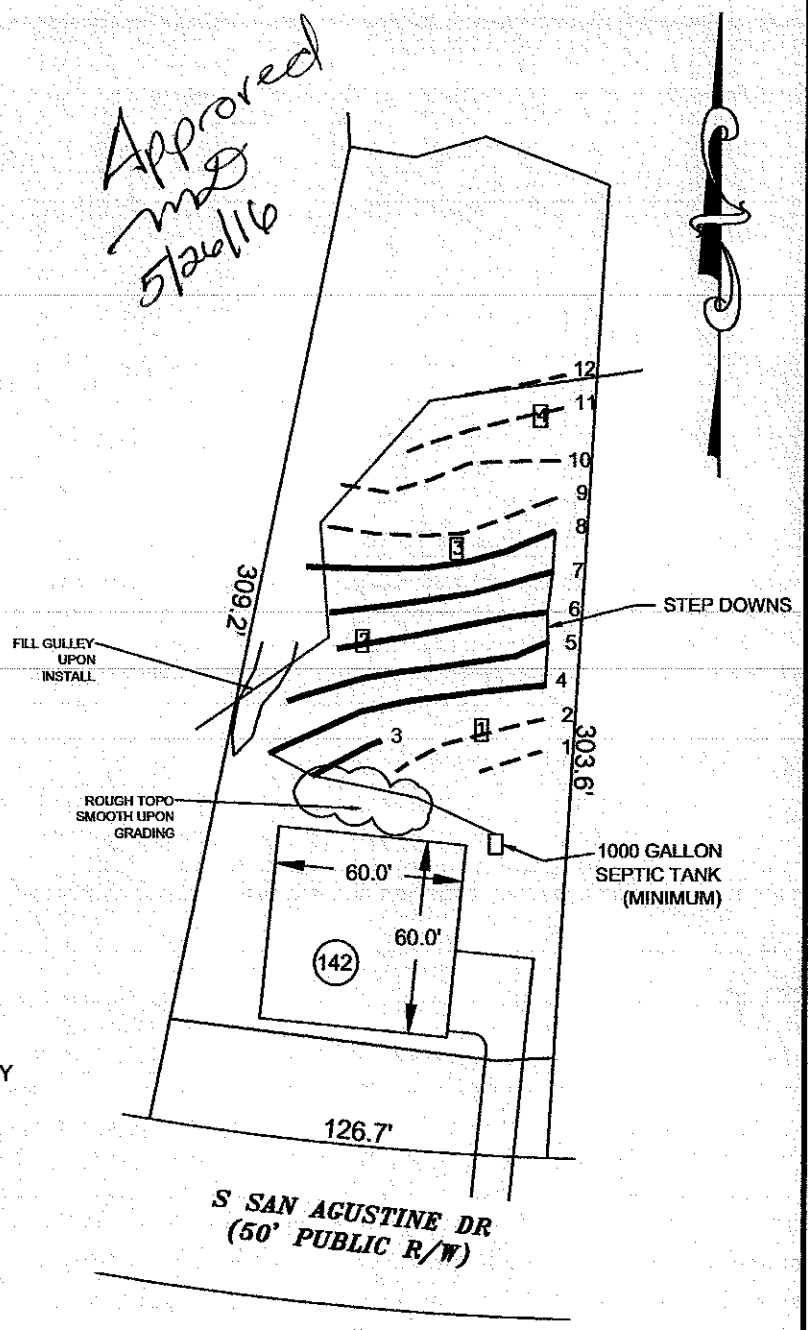
LOT 142 BELLS CROSSING SUBDIVISION

4-BEDROOM INNOVATIVE GRAVITY SYSTEM
LINES 3-8 TOTAL 418 LINEAR FEET
EZFLOW OR CHAMBER
24" MAX TRENCH DEPTH
LTAR 0.3
25% REDUCTION

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 1-2 9-12 TOTAL 292 LINEAR FEET
LTAR 0.3
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 — — — — —

PIT LOCATION [1]

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 142
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 2/13/16 DRAWN BY: MDB CHECKED BY: TMB

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 8255
COUNTY: IREDELL

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Meritage Homes
ADDRESS:
APPLICATION DATE 3/7/16
DATE EVALUATED: 4/20/16
PROPOSED FACILITY: SFL
PROPOSED DESIGN FLOW (.1949):
PROPERTY SIZE: .75 ACRE
LOCATION OF SITE: 300 S. San Agustin Dr. Mvl. NC Lot 142
PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☑ Other Comm.
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	LL/LS 8%	0 - 29	RC, ABK	FR/FI; SS,SP	/	39"	PS FC-M SAP INCL 20"-39"	/	.275 0-24" .3 24"-61"
		29 - 39	RCL, SBK	" " "					
		39 - 61	MASS SL SAP	VFR, SS, SP					
P 2	LL/LS 12%	0 - 16	RL, ABK	FR/FI, SS, SP	/	31"	PS C-M SAP INCL. 19"-31"	/	.275 0-16 .325 16"-31" .375 31"-60"
		16 - 21	RCL, WSBK	FR, SS, SP					
		21 - 31	RCL, VWSBK	VFR, " "					
		31 - 60	MASS S SAP	VFR, SS, SP					
P 3	LS 10%	0 - 32	RC, ABK	FR/FI; SS, SP	/	40"	PS C-M SAP INCL. 32"-40"	/	.275
		32 - 40	RCL, WSBK	FR, SS, SP					
		40 - 57	MASS SL SAP	VFR, SS, SP					
P 4	LS 10%	0 - 10	FILL	—	LOW CHROMA 49"-64"	64"	F SAP INCL	49"	.275 10"-49"
		10 - 18	BSL, GR	VFR, SS, SP					
		18 - 49	RSL, WSBK	FR, SS, SP					
		49 - 64	LSC, WSBK	FR, VS, VP, EXP.					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	R	R
System Type(s)	Approved	Approved
Site LTAR	.3 30"-36"	.275

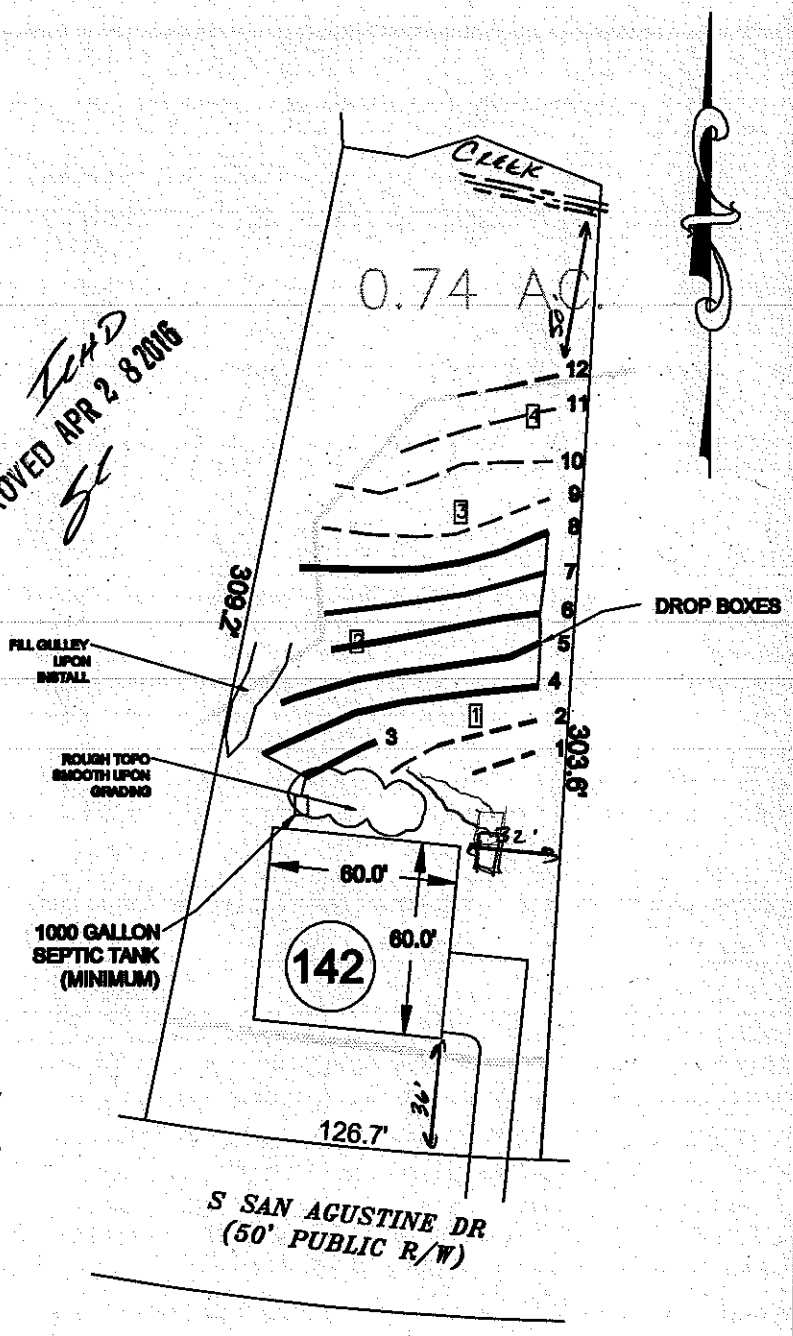
OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): LS
EVALUATED BY: SC
OTHER(S) PRESENT: Mike Benfield

COMMENTS:

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	WHITE	1.1	20
2	BLUE	2.6	49
3	RED	3.2	24
4	ORANGE	4.0	91
5	PINK	6.4	85
6	RED	8.5	66
7	BLUE	9.8	72
8	ORANGE	11.7	80
9	PINK	13.4	73
10	BLUE	15.3	70
11	RED	16.9	50
12	ORANGE	18.2	30
			710

OK Tch'D
APPROVED APR 2 8 2016
SC



LOT 142 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED GRAVITY SYSTEM
SERIAL DISTRIBUTION WITH DROP BOXES
LINES 3-8 TOTAL 418 LINEAR FEET
EZFLOW OR CHAMBER
30-36" TRENCH DEPTH
LTAR 0.3
25% REDUCTION

4-BEDROOM PANEL BLOCK REPAIR
LINES 1-2 9-12 TOTAL 292 LINEAR FEET
LTAR 0.275
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL ANALYSIS AND APPLICATION RATES PROVIDED BY
~~CENTRAL CAROLINA SOIL CONSULTING~~
Iredell County Health Department

SYSTEM LINE ————

REPAIR LINE — — — —

0 30 60

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners

MeritageHomes

LOT 142
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE:4/27/16 DRAWN BY:MDB CHECKED BY:TMB