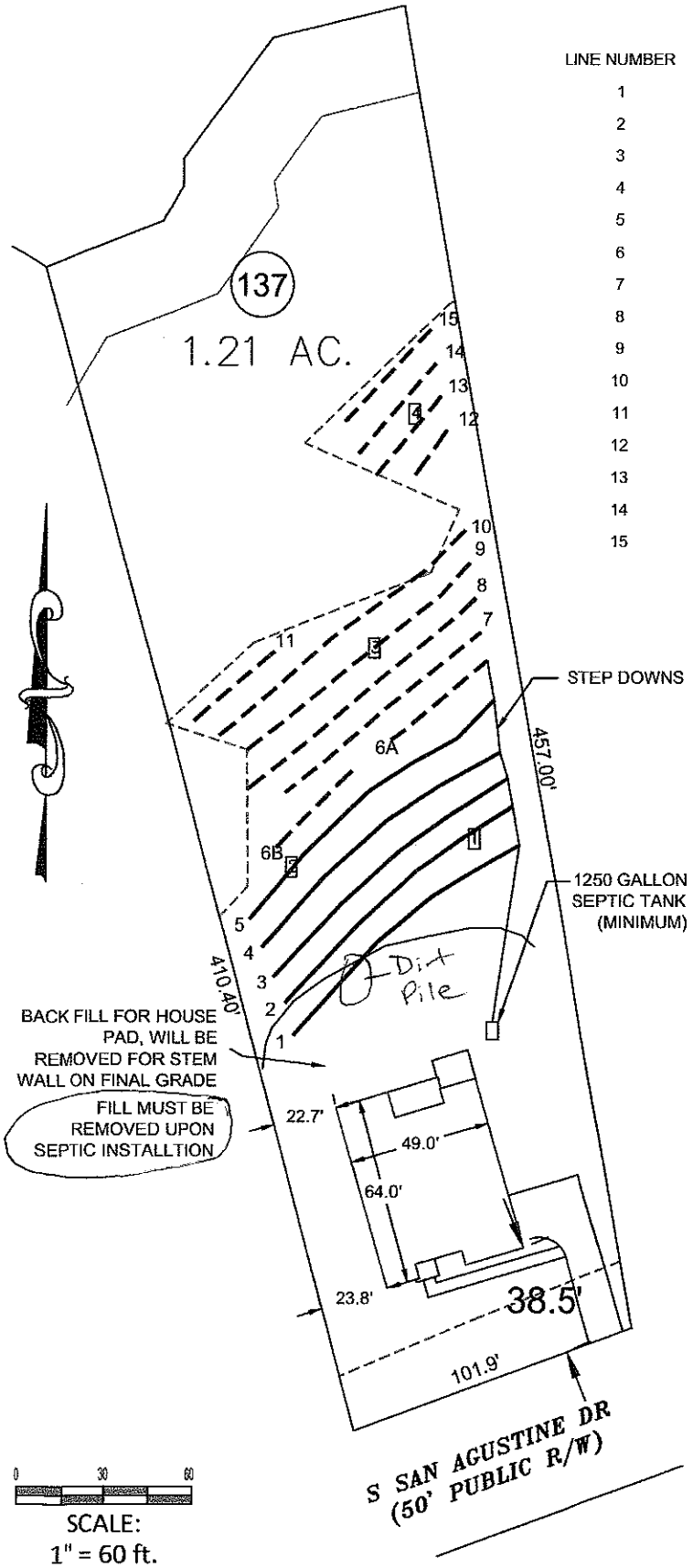


LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH
1	RED	0.1	102	100
2	ORANGE	1.9	102	100
3	RED	3.2	106	100
4	PINK	5.7	105	100
5	ORANGE	7.8	115	100
6	BLUE	11.0	84	
7	YELLOW	13.4	86	
8	WHITE	16.9	102	
9	RED	19.7	100	
10	ORANGE	22.5	110	
11	YELLOW	24.6	36	
12	WHITE	27.5	18	
13	BLUE	30.9	35	
14	YELLOW	33.6	43	
15	ORANGE	37.6	43	

Approved MD 3/11/16

LOT 137 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED GRAVITY SYSTEM
LINES 1-6 TOTAL 530 LINEAR FEET (USE 500FT)
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
24" TRENCH BOTTOM ON THE DOWNHILL SIDE OF TRENCH

4-BEDROOM ACCEPTED GRAVITY REPAIR
LINES 7-15 TOTAL 657 LINEAR FEET
LTAR 0.3
25% REDUCTION
24" TRENCH BOTTOM ON THE DOWNHILL SIDE OF TRENCH

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 OR AUGER LOCATION [1]

Bateman Civil Survey Company
Engineers • Surveyors • Planners
2524 Reliance Ave, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378

Meritage Homes

LOT 137
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 02/06/16 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 ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: Meritage Homes — APPLICATION DATE: 2-17-16
ADDRESS: 11605 N Community House R — DATE EVALUATED: _____
PROPOSED FACILITY: 4- Bedroom — PROPOSED DESIGN FLOW (.1949): 600 gal/day — PROPERTY SIZE: 1.21 AC
LOCATION OF SITE: Bells Crossing, Lot 137 — PROPERTY RECORDED: 2015
WATER SUPPLY: ☐ Private ☑ **Public** ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ **Pit** ☐ Cut — TYPE OF WASTEWATER: ☐ **Sewage** ☐ Industrial Process ☐ Mixed

Approved
MD
3/11/16

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
1	L, 10%	0-3	GR, L	VFR, NS, NP	>48	35	PS	35"	S .3
		3-6	GR, L	FR, SS, SP					
		6-24	SBK, C	FI, SS, SP					
		24-35	SBK, C	FI, SS, SP					
		35-48	M,	FI					
2	L, 14%	0-5	GR, L	VFR, NS, NP	>60	22	PS	NA	S .3
		5-22	SBK, C	FI, SS, SP					
		22-50	SBK, CL	FI, SS, SP					
		50-60	G, L	FR, NS, NP					
3	L, 17%	0-3	GR, L	FR, NS, NP	>42	42	NA	NA	PS .3
		3-13	SBK, C	FI, SS, SP					
		13-33	SBK, C	FI, SS, SP					
		33-42	SBK, L	FR, SS, SP					
4	L, 18%	0-6	GR, L	FR, NS, NP	>50	50	NA	NA	S .3
		6-39	SBK, C	FI, SS, SP					
		39-50	SBK, L	FR, SS, SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	Accepted	Accepted
Site LTAR	.3	.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Jason Hall
OTHER(S) PRESENT: _____

LICENSED SOIL SCIENTIST — JASON M. HALL — 1248 — STATE OF NORTH CAROLINA — 2-17-16

COMMENTS: Pit 1: vertically angled diabasic rock at 35" on left side of pit, provisionally suitable saprolite deeper on right side of pit. Pit 2: saprolite at 22". Pit 3: