ICHD

S&ME

August 7, 2014

Julie Smith
104 Vista Bluff Lane
Mooresville, North Carolina 28117

Reference: **Technical Assistance with Septic Permitting**
Lot 10 Vista Bluff Subdivision
Iredell County, North Carolina
S&ME, Inc. Project No. 4358-14-095

Dear Ms. Smith:

S&ME, Inc (S&ME) has provided technical assistance to obtain a possible new, three bedroom septic system permit on the above referenced lot from the Iredell County Health Department (ICHD). The technical assistance was performed in general accordance with S&ME Proposal No. 43-1400692 dated July 22, 2014.

Attached is the Application for the Septic Improvement Permit, the Zoning Permit, and the ICHD Fast Track requirements presented to the ICHD on your behalf. You are requesting a three bedroom Improvement Permit for a new home. Mr. Paul Penninger with S&ME visited the lot on July 23, 2014 to flag the proposed system and place 4 hand auger borings on the lot. An additional site visit was made on August 6, 2014 to sketch the proposed septic lines on the attached survey map.

We understand you built the house you currently live in on Lot 11 and later acquired Lot 10. A garage and well are presently located on Lot 10 that will be utilized with the proposed house. You recently had Lot 10 and 11 reconfigured to keep your pool on Lot 11 and to allow 30,000 square feet of area in Lot 10. Part of the septic system for Lot 11 is shown in an easement on Lot 10. We understand your surveyor has worked with Iredell County Planning to get approval for the lot subdivision shown on the attached site plan.

The proposed septic lines were flagged with a laser level and wire pin flags. Your surveyor had staked property corners and located the flagged, proposed house. The proposed primary system is a gravity 25 Percent Reduction System and the repair will be a Low Pressure Distribution T&J Panel System. The storage shed behind the garage must be removed prior to the ICHD issuing a Construction Authorization. Also, the septic easement for Lot 11 should be recorded.

Once the septic area is permitted, it should be fenced off for protection during home construction. Access to the lot should only be by the proposed drive. There shall not be cuts of 2 feet or greater or drains within 15 feet of any part of the permitted septic system.

S&ME appreciates the opportunity to provide these services to you. The attached information is not an Improvement Permit or Authorization to Construct and is only to assist you and the ICHD with the Fast Track site evaluation. The ICHD may show any changes or modifications they want to the proposed system on the report or attached site plan. The ICHD must approve each lot and only the ICHD can issue these permits. The ICHD should verify all soils and system specifications, required setbacks, and whether a professional engineer plan is required before permitting and/or septic system installation. Soil evaluations and system layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

S&ME, Inc.

Paul G. Penninger, L.S.S.
Soil Scientist

Rob Willcox, L.S.S.
Senior Project Manager

Attachments:

1. ICHD Improvement Permit Application and Zoning Permit

2. Proposed Site Plan, System Information, Survey Map, Soil Profile Descriptions, and Improvement Permit for Lot 11.

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Julie Smith - Lot 10 Vista Bluff Fast Track Information

S&ME Project No. 4358-14-095 (August 7, 2014)

Number of Bedrooms	3
Crawl	Crawl
Design Flow (gpd)	360
LTAR (gpd/sqft)	0.3
Primary System Type	**Gravity 25 Percent Reduction**
Proposed Trench Depth	36 inches max.
No. Lines	2 @ 60 ft.; six 30 ft lines connected with 3 drop boxes (See Site Plan)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	No
Distribution Device	Distribution Box with one drop box (can use other approved devices)
Maintenance Agreement Required	No
Repair System	**T&J Panel System**
Total Linear Feet	278 feet shown (200 feet required)
Repair LTAR (gpd/sqft)	0.3

of 4-14-14

Note: **Installer and ICHD shall verify all line locations, tank locations, and elevations prior to installation.**
System is to be installed according to any other ICHD requirements or policies.
These specifications are to satisfy the ICHD Fast Track LSS checklist and are not intended to represent an Engineered System Design.
Use trench depth on ICHD IP.

Paul Penninger

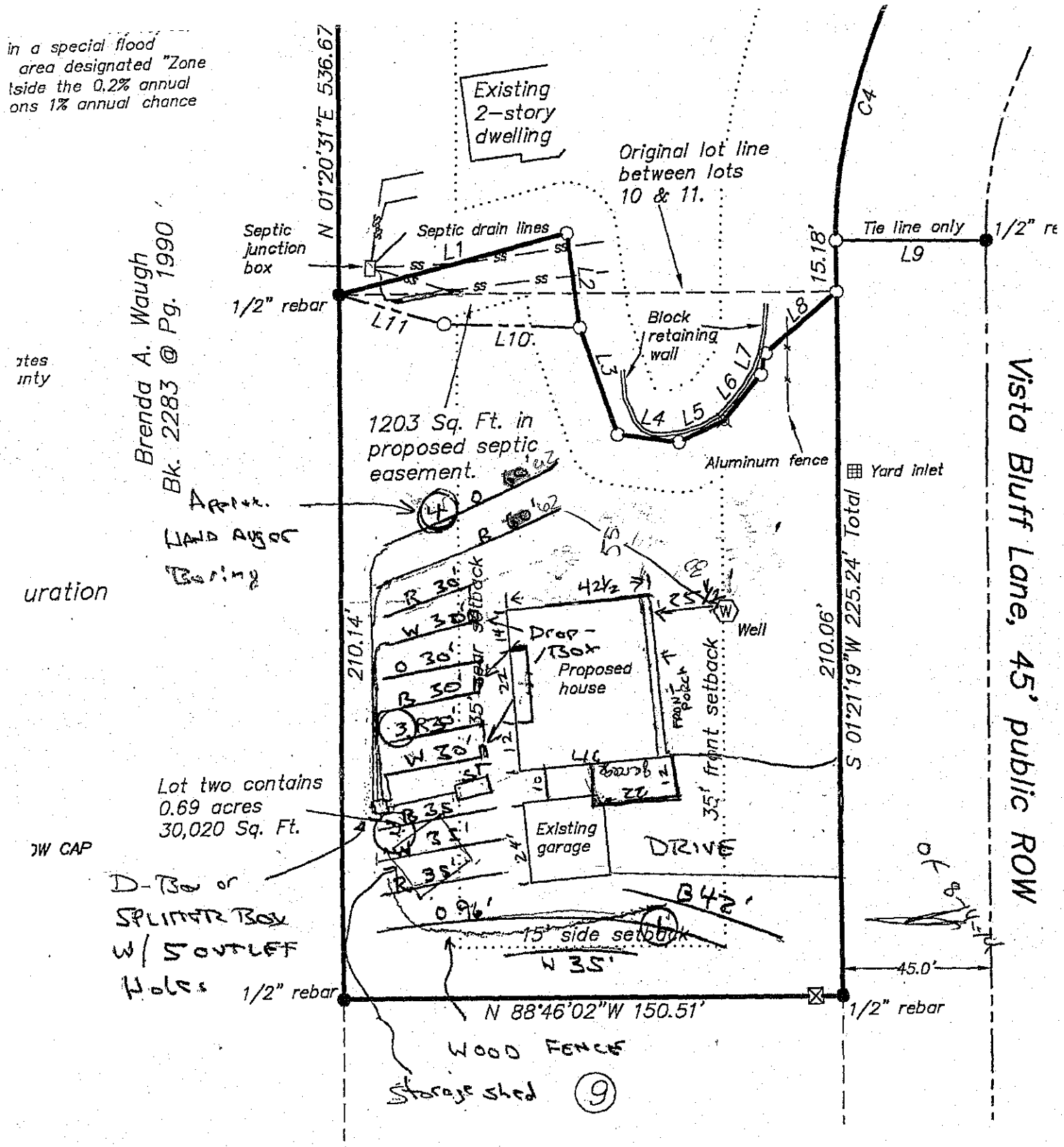
From: research@boundarydevelopment.com
Sent: Monday, August 04, 2014 3:35 PM
To: Paul Penninger
Subject: Martin-Smith subdivision on Vista Bluff Lane
Attachments: 140721 Model (1).pdf

This is the final configuration that have been approved by zoning.

Please let me know if you have any questions or concerns.

Thanks,
Ted Benbow & Associates Land Surveying, PC
630 Signal Hill Dr. Ext
Statesville, NC 28625
Tel: 704-878-9661
Cell: 704-902-0121
www.boundarydevelopment.com

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in a special flood area designated "Zone
tside the 0.2% annual
ons 1% annual chance
Existing 2-story dwelling
Original lot line between lots 10 & 11.
Septic junction box
Septic drain lines
1/2" rebar
N 01°20'31"E 536.67
Brenda A. Waugh
Bk. 2283 @ Pg. 1990
Tie line only
1/2" re
15.18'
C4
Vista Bluff Lane, 45' public ROW
Block retaining wall
Aluminum fence
Yard inlet
1203 Sq. Ft. in proposed septic easement.
Approx. Hand Auger Boring
S 01°21'19"W 225.24' Total
210.14'
210.06'
Well
Drop-/Box
Proposed house
front porch
35' front setback
Lot two contains 0.69 acres 30,020 Sq. Ft.
Existing garage
DRIVE
D-Box or Splitter Box w/ 5 outlet Holes
15' side setback
N 88°46'02"W 150.51'
1/2" rebar
45.0'
Wood Fence
Storage shed
9

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY:

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

OWNER: Julie Smith Lot 10 Vista Blvds APPLICATION DATE: 8-7-14
ADDRESS: 104 Vista Blvds DATE EVALUATED: 7-23-14
PROPOSED FACILITY: 4 PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: .69
LOCATION OF SITE: 112 Vista Blvds PROPERTY RECORDED: 2014
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
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	.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%	0-30	msbk/c	fr ss/sp	nd				
		30-48	wsbk/cl	fr ss/so	nd f	sme	sap	lithochromic t-thin	PS .3
					(—)	(48)	(—)	(—)	
2	L by stream ~5-10%	0-6	wsbk/scl	fr ss/so	br				PS .3
		6-24	msbk/c	fr ss/sp	red				
		24-48	m-wsbk/cscl	fr ss/sp	nd	f smk	sap		
					(—)	(48)	(—)	(—)	
3	L ~10%	0-18	msbk/c	fr ss/sp	nd				PS .35
		18-48	wsbk/cl	fr ss/so	red/brn	f-c smk	sap		
					(—)	(86)	(—)	(—)	
4	L ~10%	0-3	wsbk/scl	fr ss/ss	br				PS .3
		3-30	msbk/c	fr ss/sp	nd				
		30-48	wsbk/cl	fr ss/so	red/brn	c smk/yellow lithochromic/wr			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	T-S	T-S
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: PGP - must be approved by LHD, OK - 8-14-14
OTHER(S) PRESENT:

COMMENTS: