SEPTIC ENVIRONMENTAL SOLUTIONS

1 March 2015 AD

To: Iredell County Environmental Health Department
Mooresville, North Carolina Office

From: Kenneth L. Owens, NCLSS
Septic Environmental Solutions, Inc.

RE: Rock Ridge Point Subdivision, True Homes Individual Lots

Per your request, Septic Environmental Solutions, Inc. has prepared this letter briefly summarizing the scope of services that was completed on individuals lots located at Rock Ridge Point Subdivision. It is our understanding that all soils work in the subdivision was completed and approved by Iredell County Health Department personnel (ICEHD). Therefore, for this scope of service, Septic Environmental Solutions, Inc. completed septic drainfield line layout for each available lot in the subdivision. Each septic line was laid out level and on contour per the Fast Tract requirement. In addition please see the following survey with the attached design proposal per your request. It should be noted that this is not an Improvement Permit or Authorization to Construct, and is only to assist ICEHD with the *SITE* Evaluation (soils approved in 2006 per the existing Improvement Permits for each lot) including field verification of property lines, corners, house pads, driveways, building setbacks, easements and septic drainfield layouts per the individual lots. The septic systems should be installed in accordance with the ICEHD permits, policies, and per the North Carolina Rules and Regulations. Verification of all information is the responsibility of ICEHD before issuing any septic permits.

Sincerely,

Kenneth L. Owens

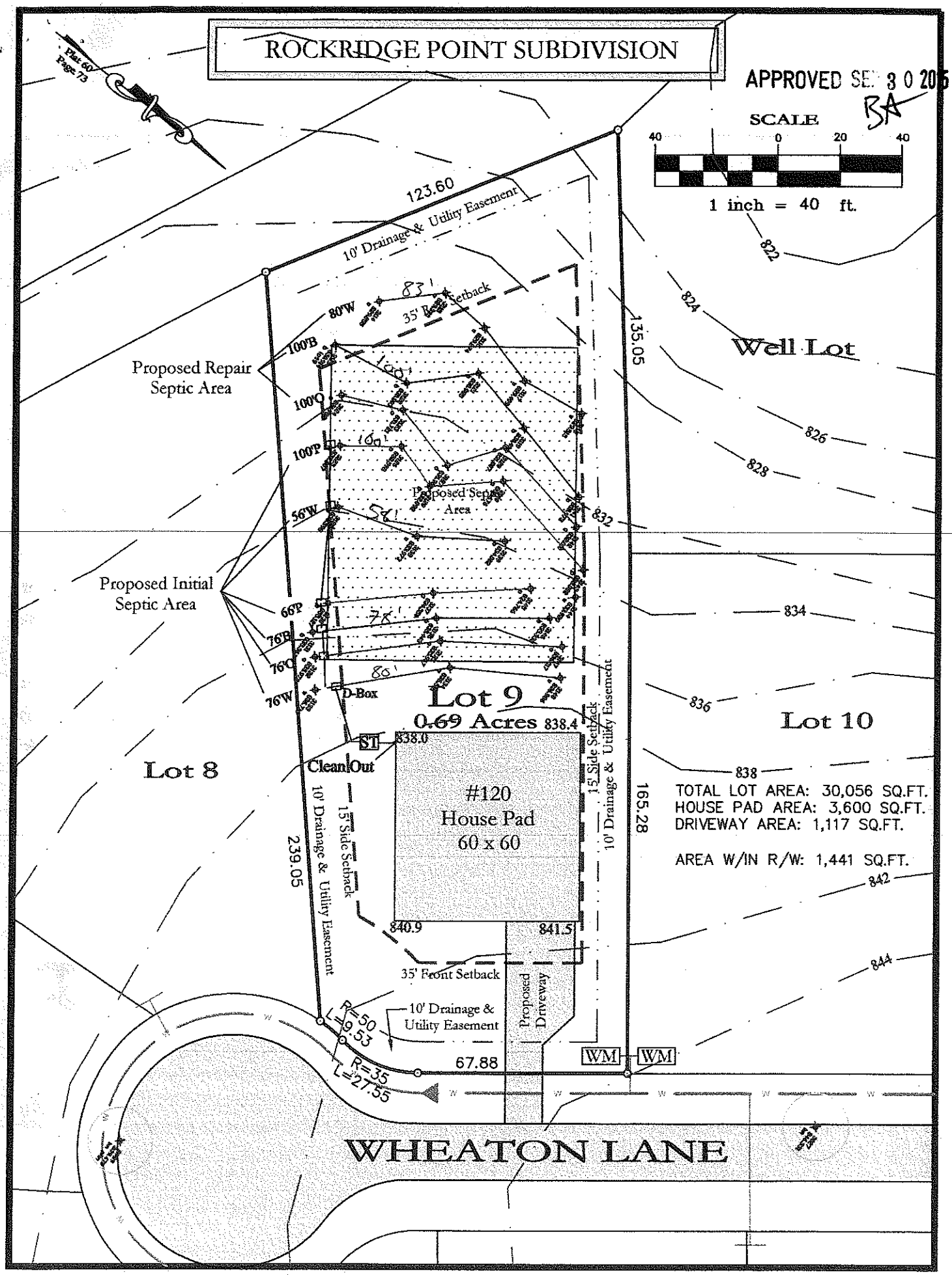
Septic Environmental Solutions, Inc.
Kenneth L. Owens, President
NCLicensed Soil Scientist #1134

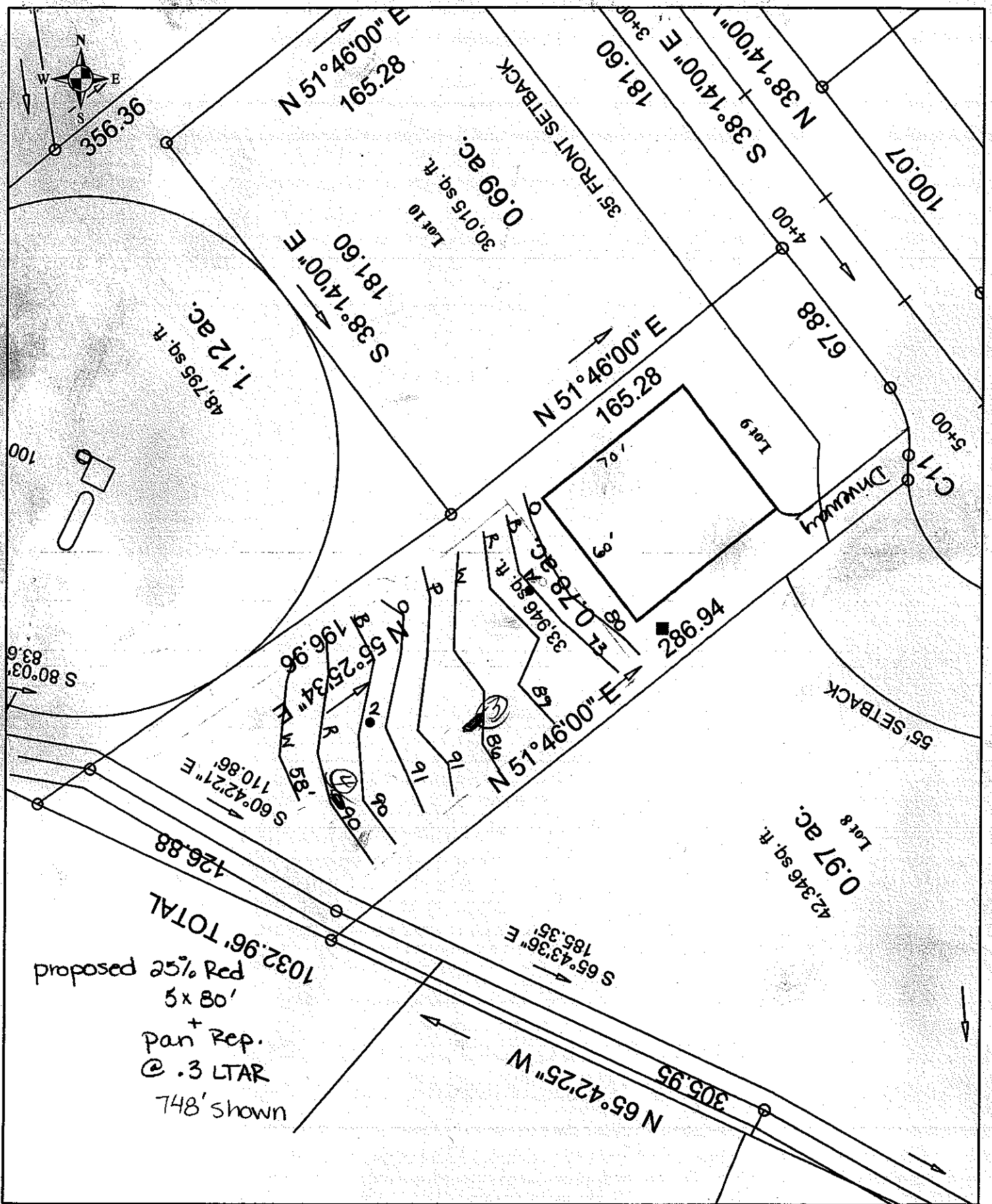
3019 Spring Fancy Lane• Indian Trail, North Carolina 28079
Mobile (704) 502.5588 • Fax (704) 684.1469

APPROVED SEP 30 2013
BA

Design Specifications Proposal Lot 9 Rock Ridge Point, Iredell North Carolina

Daily Design Flow: Number of Bedrooms Basement or Crawlspace	480 gpd 4 bedroom Crawlspace
Septic Tank Size	1500 gal, Delliger Tank with effluent filter Poly Lock PL68
Pump Tank Size	NA
Primary System Loading Rate (LTAR)	0.30 gpd/ft^2 LTAR including Soils Evaluations were determined by Iredell County. Soils Evaluations and LTAR were not Conducted by Septic Environmental Solutions, Inc.
Primary System	25% reduction, all lines to be a minimum of 9-ft on center with 3-ft wide trench widths. Trench depth shall be maximum 36-inches. See scale map for total length.
Number and Length of Lines	6 / See attached drawing.
Total foot of Primary System	requires 400-ft, provided 450-ft
Distribution Device	Drop Boxes
Maintenance Agreement Required	NA
Pump Type	NA
Dosing Volume	NA
Depth of effluent Pumped per Dose	NA
Supply Line	NA
Check Valve	NA
Siphon Break Hole	NA
Repair System Loading Rate	0.30 gpd/ft^2
Repair System	LP PPBPS, See attached drawing
Total foot of Line	270, See attached drawing,


ROCKRIDGE POINT SUBDIVISION
Plat 60/ Page 73
APPROVED SEP 30 2015
BA
SCALE
40 0 20 40
1 inch = 40 ft.
123.60
10' Drainage & Utility Easement
822
824
826
828
832
834
836
838
842
844
83'
35' Front Setback
80'W
100'B
100'O
100'P
56'W
66'P
76'B
76'O
76'W
Proposed Repair Septic Area
Proposed Initial Septic Area
Proposed Septic Area
D-Box
135.05
Well Lot
Lot 9
0.69 Acres
838.4
838.0
ST
Clean Out
Lot 8
Lot 10
#120
House Pad
60 x 60
15' Side Setback
10' Drainage & Utility Easement
165.28
239.05
840.9
841.5
35' Front Setback
Proposed Driveway
10' Drainage & Utility Easement
R=50
L=9.53
R=35
L=27.55
67.88
WM
WM
WHEATON LANE
TOTAL LOT AREA: 30,056 SQ.FT.
HOUSE PAD AREA: 3,600 SQ.FT.
DRIVEWAY AREA: 1,117 SQ.FT.
AREA W/IN R/W: 1,441 SQ.FT.



Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 9	FIGURE
Drawn by: JBP		Site Map	1
Reviewed by: PGP		Iredell County, NC	
Date: January, 2006	ENVIRONMENTAL SERVICES · ENGINEERING · TESTING	S&ME Project #1588-05-081	

OF ENVIRONMENT AND NATURAL RESOURCES
ENVIRONMENTAL HEALTH
WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Rocky Ridge _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: _____
LOCATION OF SITE: Lot 9 PROPERTY RECORDED: _____
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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	L 5-7%	0-22	wsbk cl	SS SP Fr	11-20" weathered rock vein opposite wall. rock vein from 14-36" above and below vein is				LSAP .3
		22-60	mass 1	Fr					
2	L 5-7%	0-15	wsbk cl	SSSP Fr					.35
		15-55	mass 1	Fr					
3	6% ± L	0-4	wksbk sdl	fssspo					.3
		4-16	wksbk sdc	fssspoSAP					
		16-44	wksbk cl	fssspo					
		44-55	massive LSAP	fssspo					
4		0-8	sbkcdc	fssspoSAP					.3
		8-52	wksbkcdcl + SAP	fssspo					

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

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

COMMENTS: _____