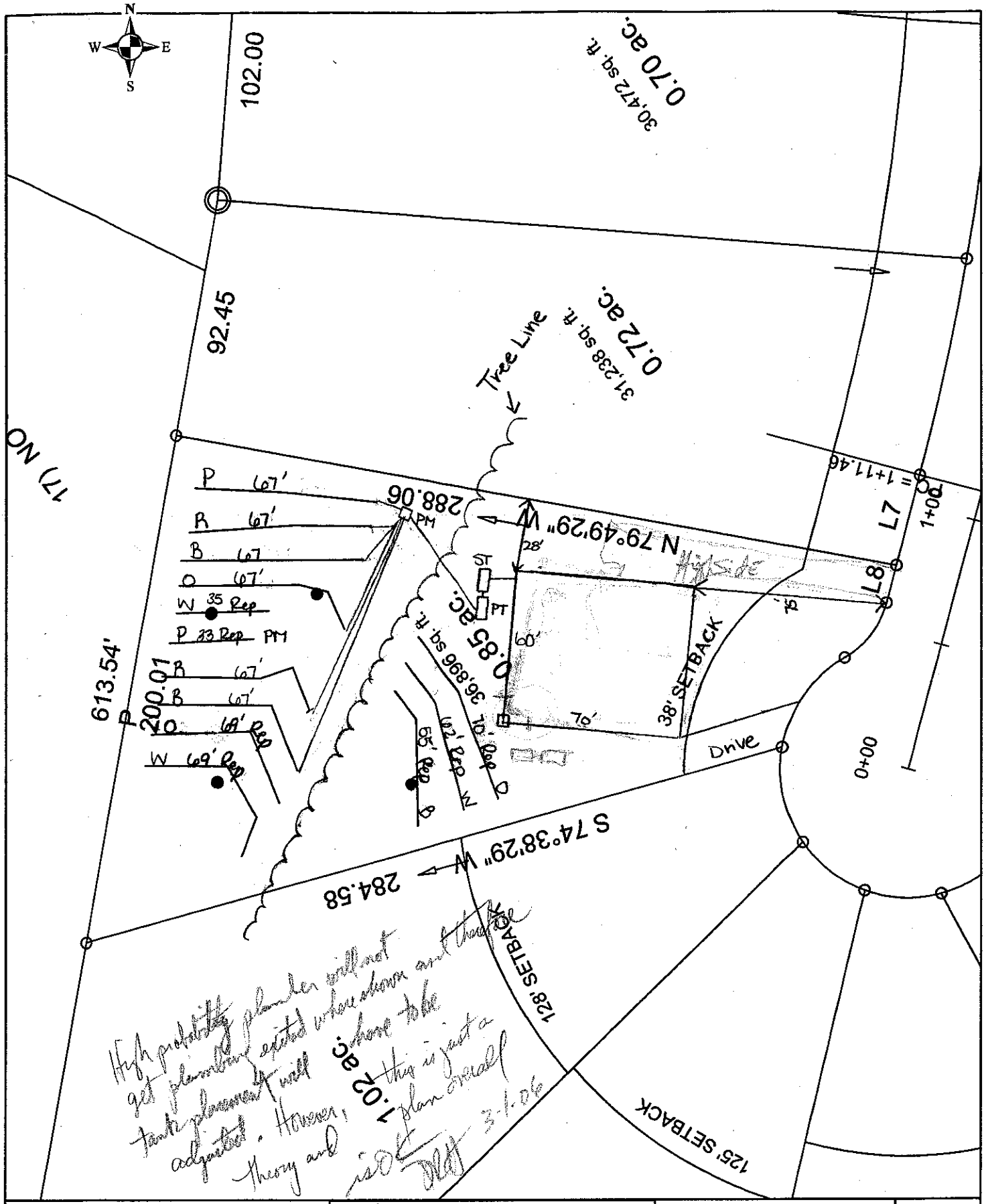
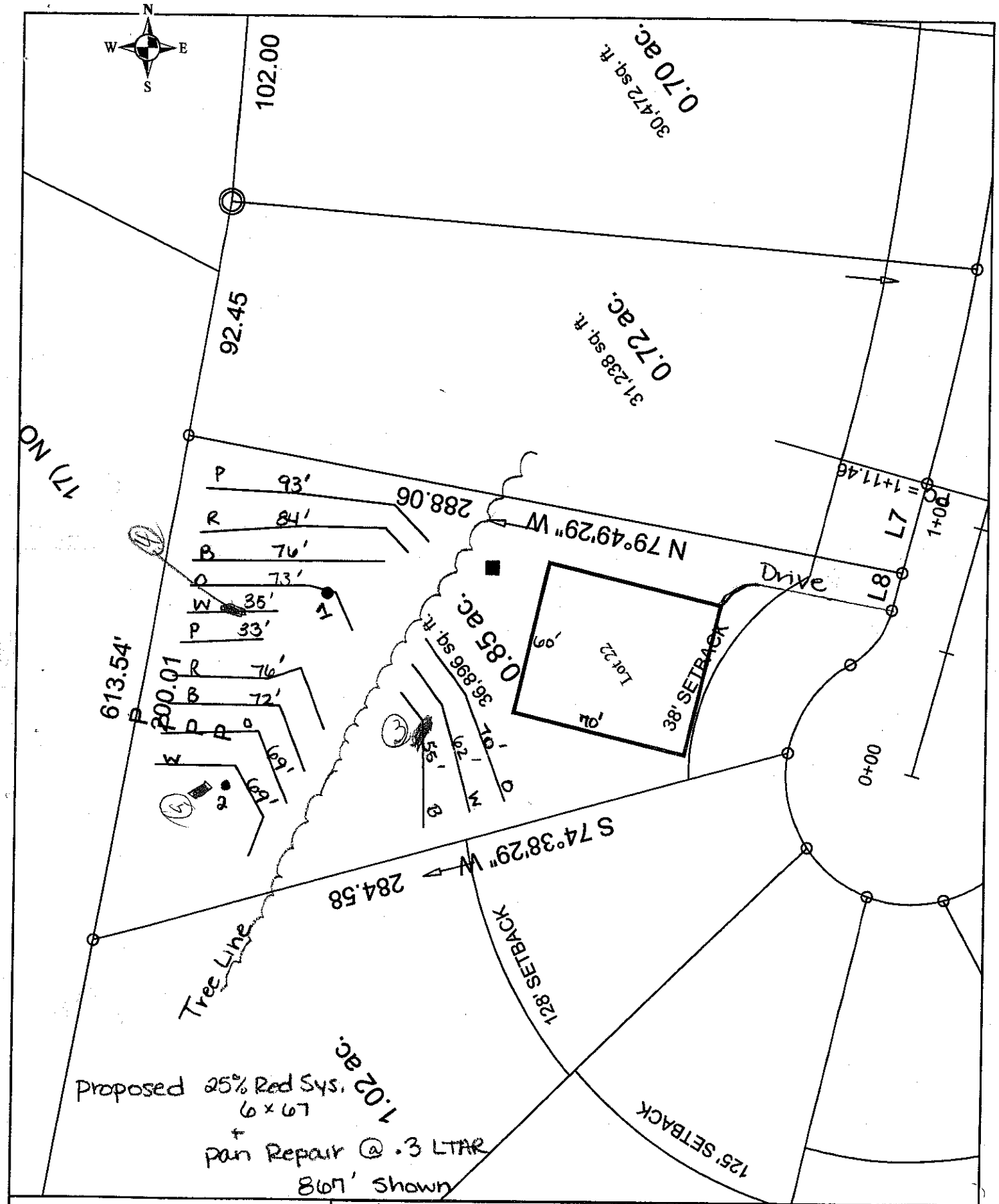


Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 22	FIGURE
Drawn by: JBP		Scaled Detailed Site Plan	1
Reviewed by: PGP		Iredell County, NC	
Date: February, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-05-081	



Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 22	FIGURE
Drawn by: JBP	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	Scaled Detailed Site Plan	1
Reviewed by: PGP		Iredell County, NC	
Date: February, 2006		S&ME Project #1588-05-081	

N OF ENVIRONMENTAL HEALTH
E WASTEWATER SECTION

PROPERTY ID #: ____
COUNTY: ____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Rocky Ridge APPLICANT: ____
ADDRESS: ____ APPLICATION DATE: ____ DATE EVALUATED: ____
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: ____
LOCATION OF SITE: Lot 22 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) .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
AH 1	L	0-3	Mo GR SL	FR SS/SP	Br				.3
		3-48	Mo SBK CL	FR SS/SP	Red; F sap 36"+				
AH 2	L CC	0-5	Mo GR SL	FR SS/SP	Lt Br/Br				.25 - .3 26"
		5-26	Mo SBK SCL	FR SS/SP	Lt Red				
		26"	AR Floater?						
3	28-36	0-20	wk mod f red C	fr ss sp	few/com sap				.25
		20-56	wk SBK cl	fr ss sp com/mon sap					
4	90+ L	0-9	g hw sl	fr ss sp					.3
		9-30	SBK red C	fr sp SS/P					
		30-57	wk SBK red cl	fr ss sp few/com sap					

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

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): ____
EVALUATED BY: ____

⑤ 0-10 gr brn sL frssSp

10-25 wksbk Red scL frssSp

25-37 wksbk Red C frssSp sCpp

37-51 wksbk Red cl frssSp

common Bap

.3

.81 ~~.12~~ .28 .28 .28 .15

CHANGED TO GRAVITY SL

Design Specifications Proposal Lot 22 Rock Ridge Point, Iredell North Carolina

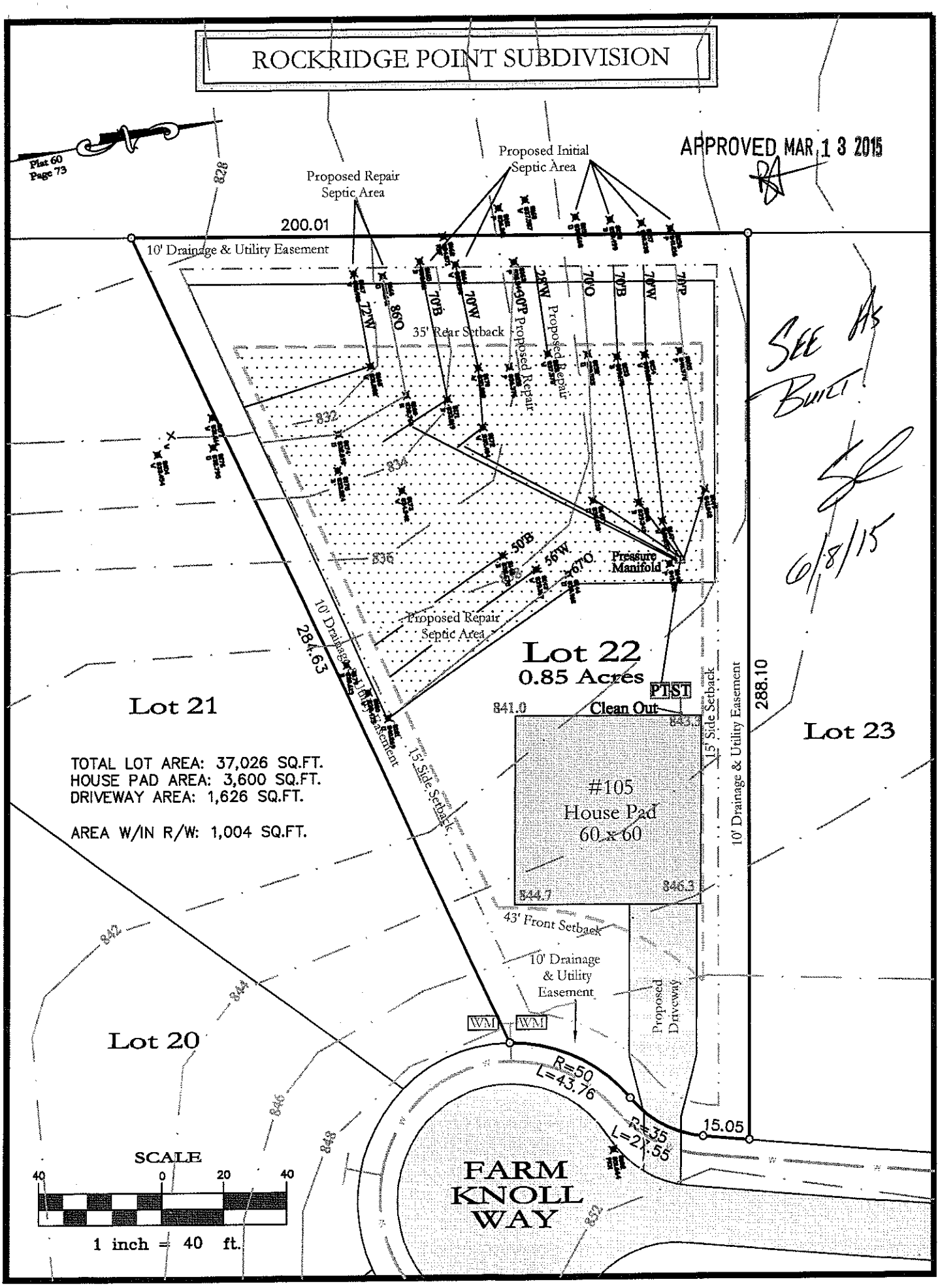
Daily Design Flow: Number of Bedrooms Basement or Crawlspace	480 gpd 4 bedroom Crawlspace
Septic Tank Size	1500 gal, Delliger Tank with effluent filter Poly Lock PL68
Pump Tank Size	1500 gal, Delliger Tank
Primary System Loading Rate (LTAR)	0.30 gpd/ft$^{2.}$ LTAR including Soils Evaluations were determined by Iredell County. Soils Evaluations and LTAR were not Conducted by Septic Environmental Solutions, Inc.
Primary System	Pressure manifold 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 420-ft, provided 500-ft
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Dosing Volume	240 gal, 2.0 doses/day@ design flow
Depth of effluent Pumped per Dose	NA
Supply Line	45-ft, 2" SCH 40 PVC 1 ¼" SCH 40 PVC

Pressure Manifold

No. of Lines	Line Length (ft)	Tap Size/Type	GPM/Linear Ft	% GPM/Linear Ft
1 (L1)	70	5.48 ½ sch 80	0.0783	1.00
2 (L2)	70	5.48 ½ sch 80	0.0783	1.00
3 (L3)	70	5.48 ½ sch 80	0.0783	1.00
4 (L4)	70	5.48 ½ sch 80	0.0783	1.00
5 (L5)	70	5.48 ½ sch 80	0.0783	1.00
6 (L6)	70	5.48 ½ sch 80	0.0783	1.00

Flow rate through the system	32.88, use 33.0 gpm
Elevation head	Approximately 6-ft
Pressure head	2.0-ft
Friction head	1.0-ft
20% Contingency	1.8-ft
Total Head	10.8-ft
Pump Type	33.0 gpm@11-ft of head; Use Goulds WE03L Pump or equivalent with compatible electrical
Check Valve	No
Siphon Break Hole	Yes
Repair System Loading Rate	0.25 gpd/ft^2
Repair System	LP PPBPS, See attached drawing
Total foot of Line	270+, See attached drawing

ROCKRIDGE POINT SUBDIVISION



Shane Cashion

From: Kenny Owens <septicenvsol@yahoo.com>
Sent: Monday, June 8, 2015 9:23 AM
To: Shane Cashion
Subject: Re: Rock Ridge lot 22

We Septic Environmental Solutions, Inc. understand that Lot 22 at Rock Ridge Point was changed from a pressure manifold to a gravity septic system. Thanks Shane.

From: Shane Cashion <shane.cashion@co.iredell.nc.us>
To: 'Kenny Owens' <septicenvsol@yahoo.com>
Sent: Monday, June 8, 2015 7:52 AM
Subject: RE: Rock Ridge lot 22

Can you send an email giving the OK for changing lot 22 from pressure to gravity please so I can sign off on it.

Thanks

Shane Cashion
Iredell County Health Dept.
704-664-3703
shane.cashion@co.iredell.nc.us

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

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From: Kenny Owens [mailto:septicenvsol@yahoo.com]
Sent: Friday, June 5, 2015 1:34 PM
To: Shane Cashion
Subject: Re: Rock Ridge lot 22

Yes your right. I've corrected it already with the client and thanks for catching it also!!!!
Septic Environmental Solutions, Inc.
Kenneth L. Owens, NCLSS

704-502-5588 mobile
704-684-1469 fax

From:"Shane Cashion" <shane.cashion@co.iredell.nc.us>
Date:Fri, Jun 5, 2015 at 10:33 AM
Subject:Rock Ridge lot 22

Kenny,

We received a maintenance contract for lot 22. We only maintenance contracts on the low pressure panel systems. This was originally permitted a pressure manifold 25% reduction system.

Just want to make sure you and your client are aware of this as we will not keep a maintenance agreement on file with the permit if they are not LP-PPBPS.

Hope this helps

Shane Cashion
Iredell County Health Dept.
704-664-3703
shane.cashion@co.iredell.nc.us

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