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LICENSED SOIL SCIENTIST
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Reference: Data Sheet for Chesapeake Point Lot 26; Cove Creek Road; Iredell County, NC
House Footprint: 70' x 50'
Building Setbacks: 35' front/50' rear/15' side
Water Source: Community Water
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3GPD/FT2 Initial; 0.25 GPD/FT2 Repair (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM ½" SCH80 (P4-W6); 7.11 ½" SCH40(R7)
Tap Size and Material: ½" SCH80 and ½" SCH40
System Flow: 23.55 GPM
Dosing Volume: 175 Gallons
Pump Run Time: 7.43 minutes
Elevation Head: 18.6'
Friction Head: 2.18'
Pressure Head: 2'
Total Dynamic Head: 22.78'
Supply Line Length: 165'
Septic/Pump Tank Size: 1000/1000
Proposed Trench Bottom: 36"

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Line	Design Length	Actual Length	Elevation
Blue 1		32'	3'
White 2		46'	3.7'
Red 3		73'	3.9'
Pink 4	**90'**	**90'**	**5.7'**
Yellow 5	~~99'~~ 100'	**100'**	**6.6'**
White 6	**90'**	**90'**	**8.1'**
Red 7	~~121'~~ 120'	**142'**	**9.1'**
White 8		120'	10.1'
Pink 9		60'	10.8'

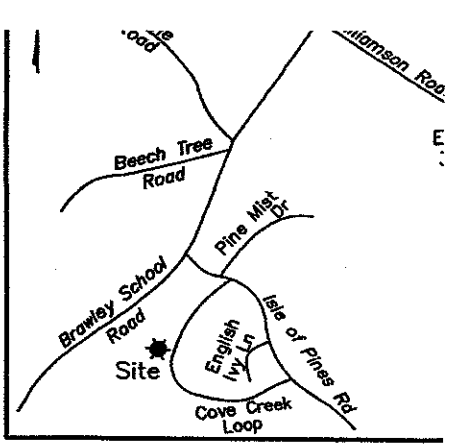
Initial System: 400' **Repair System:** 331' **Benchmark:** 0.7' Right front corner iron.
PM: 5.7' **Pump Tank:** 19.3' **House Corner:** 15'

Comments:
The purpose of this evaluation is to change the permit to a 4-bedroom, 25% reduction system. The area has been previously permitted by the Iredell County Health Department. The septic area has been kept in the same area. The existing road bed will need to be filled in to accommodate the septic area. No foundation drains within 25 feet of W8 and P9.

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PRELIMINARY

JIMMY N. FAIRES, PLS
LICENSE NUMBER: L-4311

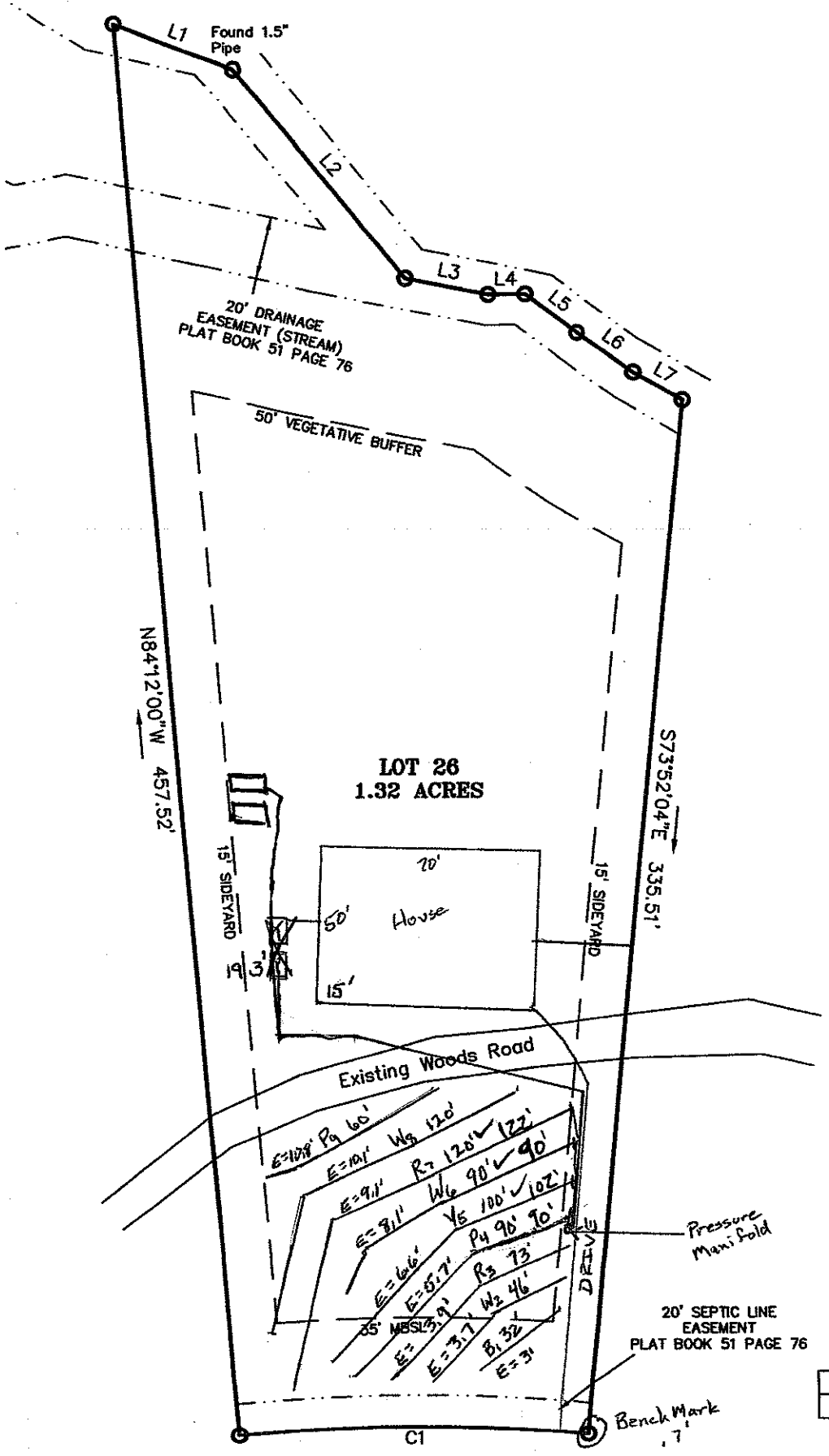


PRELIMINARY PLA
NOT FOR RECORDAT
CONVEYANCES AND/OR

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Plat Book 51 Page 76
Dated: 3/22/2007

Scale 1"=50'



COVE CREEK ROAD
50' PUBLIC R/W

LINE	BEARING
L1	N31°55'39"E
L2	N61°03'32"E
L3	N22°03'35"E
L4	N10°18'16"E
L5	N47°42'29"E
L6	N45°59'45"E
L7	N40°33'45"E

CURVE	RADIUS	ARC	CHORD BEARING
C1	625.00'	112.71'	S10°57'58"W

ENT OF ENVIRONMENT AND NATURAL RESOURCES
OF ENVIRONMENTAL HEALTH
E WASTEWATER SECTION

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

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OWNER: Ches. Pl.
ADDRESS: ___
PROPOSED FACILITY: ___ PROPOSED DESIGN FLOW (.1949): ___
LOCATION OF SITE: Lot 26

APPLICATION DATE ___
DATE EVALUATED: 7-14-14
PROPERTY SIZE: ___
PROPERTY RECORDED: ___

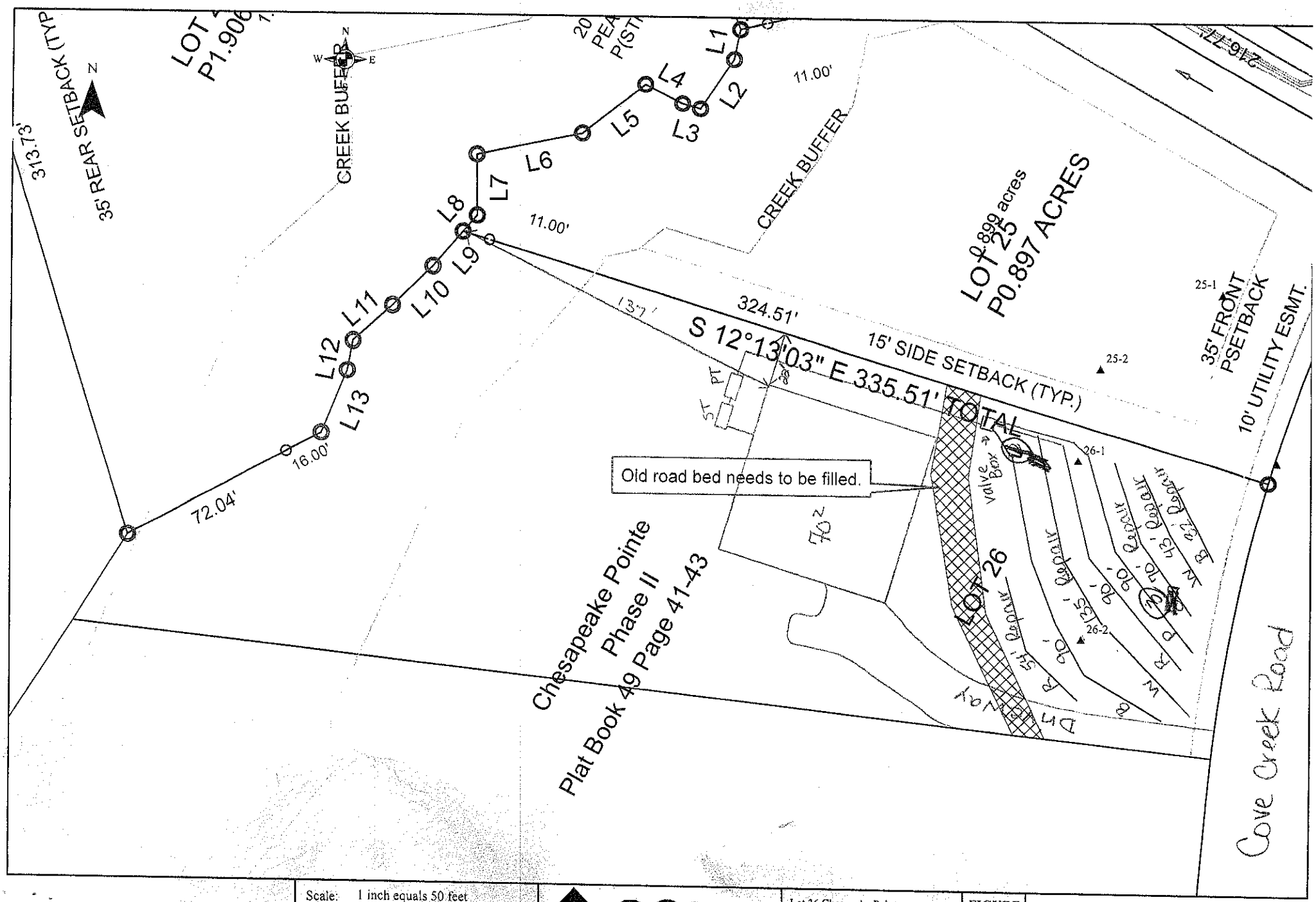
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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
1	L 8-10%	0-6	mgr sl	FR ss/sp	OK br				
		6-27	msbk c	FR ss/sp	R				
		27-36	wsbk cl	FR ss/sp	R F;C Sap inclu.				.3
		36-50	MA sl/sy	FR ns/sp	RY				
2	L 8-10%	0-29	msbk c	FR ss/sp	R				
		29-41	wsbk cl	FR ss/sp	R F;C Sap inclu.				
		41-48	MA sl/sy	FR ss/sp	R				.3
					Some WR @ entrance to pit				
3		0-11	gr lbwsbk	fr sso					
		11-34	msbk cl	fr ss/p commingle w/ soil					.25
		34-50	soil(RC) WR MIX						
4	12% L	0-2	gr L	fr sso					
		2-22	wk-msbk cl	fr sso comm sap					.3
		22-52	wk-msbk cl	fr sso many sap incl					

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

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: M. Nabe
OTHER(S) PRESENT: ___

COMMENTS: ___



Scale: 1 inch equals 50 feet	S&ME	Lot 26 Chesapeke Point	FIGURE
Drawn by: JBP		Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: March 2007			