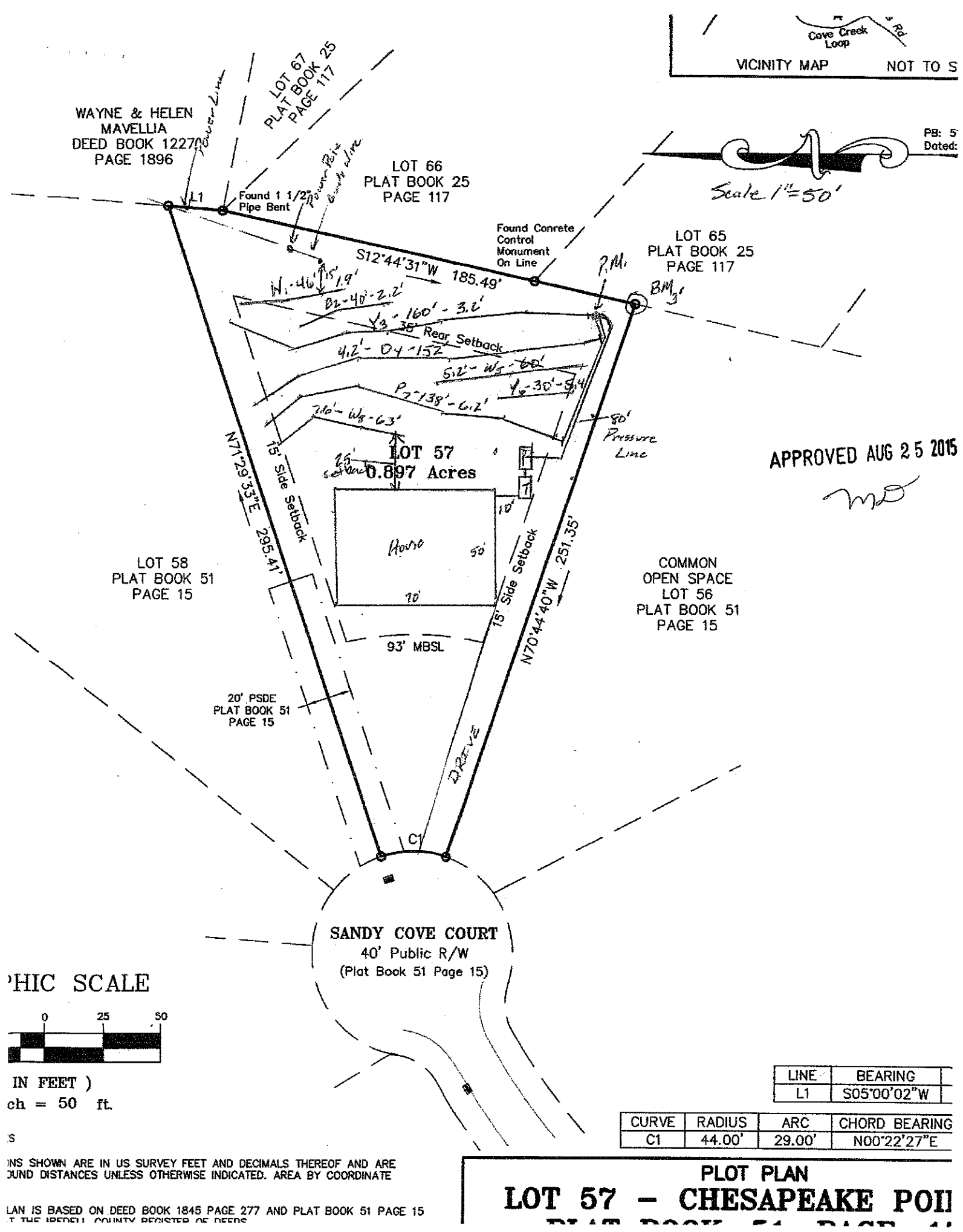


PHIC SCALE

0 25 50

IN FEET)

ch = 50 ft.

S

LINE	BEARING
L1	S05°00'02"W

CURVE	RADIUS	ARC	CHORD BEARING
C1	44.00'	29.00'	N00°22'27"E

INS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE OUND DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE

LAN IS BASED ON DEED BOOK 1845 PAGE 277 AND PLAT BOOK 51 PAGE 15

PLOT PLAN

LOT 57 – CHESAPEAKE POI



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Chesapeake Point Lot 57
House Footprint: 70' x 50'
Building Setbacks: 93' front/35' rear/15' side
Water Source: Community Water
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 7.11 GPM
Tap Size and Material: ½" SCH40
System Flow: 21.33 GPM
Dosing Volume: 175 Gallons
Pump Run Time: 8.2 minutes
Elevation Head: 9.4'
Friction Head: 1.06'
Pressure Head: 2'
Total Dynamic Head: 12.46'
Supply Line Length: 80'
Septic/Pump Tank Size: ~~1500/1500~~ 1000/1000 CM 9/2/2015
Proposed Trench Bottom: 36"

APPROVED AUG 25 2015 MD

Line	Design Length	Actual Length	Elevation
White 1		46'	1.8'
Blue 2		40'	2.2'
Yellow 3	**133**	**160'**	**3.2'**
Orange 4	**133**	**152'**	**4.2'**
White 5		60'	5.2'
Yellow 6		30'	5.4'
Pink 7	**134**	**138'**	**6.2'**
White 8		63'	7.6'

APPROVED AUG 25 2015

Initial System: 400'
Pump Tank: 7.6'
Repair System: 267'
House Corner: 9.6'
Benchmark: 3'
Back right property corner

Comments:
The purpose of this evaluation is to re-permit the property for a 4-bedroom residence using a 25% reduction. The site has been previously permitted by the Iredell County Health Department for a panel system. No new soil evaluations were done due to the system being in the same area that was previously permitted. The house site is marked in orange pin flags. There is currently a storm drain on the property. No foundation drains or cuts can occur within 25 feet of the system.