APPROVED AUG 21 2015



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

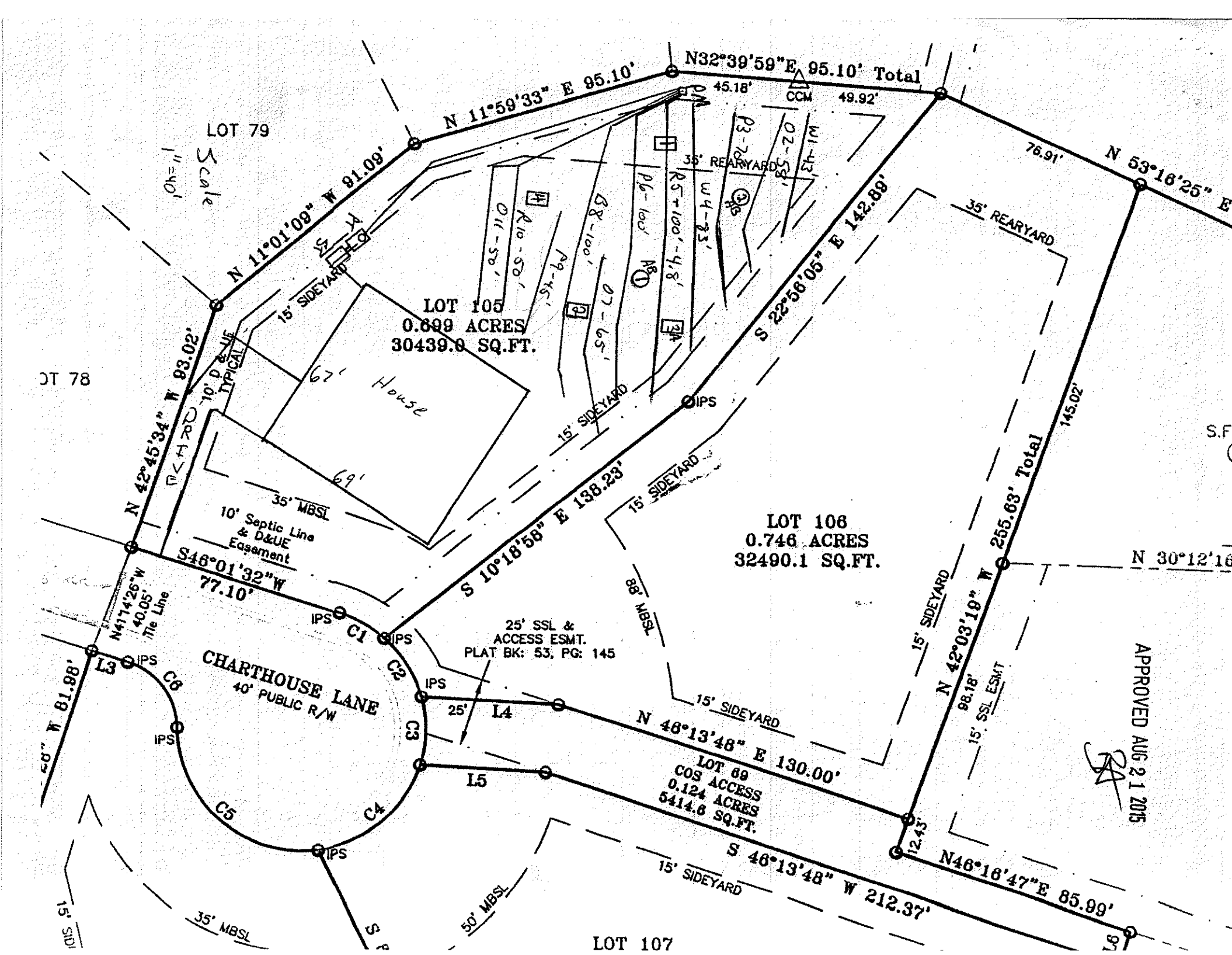
Reference: Data Sheet for Chesapeake Pt. Lot 105
House Footprint: 67' x 69'
Building Setbacks: 35' front/rear, 15' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure manifold
Flow per Tap: 7.11 GPM
Tap Size: ½" SCH 40
System Flow: 28.44 GPM
Dosing Volume: 175 gallons
Pump Run Time: 6.2 minutes
Elevation Head: 10.5'
Friction Head: 2.4'
Pressure Head: 2'
Total Dynamic Head: 14.9'
Supply Line Length: 130'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 24-36"

Line	Design Length	Actual Length	Elevation
White 1		43'	2.2'
Orange 2		58'	2.7'
Pink 3		70'	3.4'
White 4		83'	4.2'
Red 5	**100'**	**100'**	**4.8'**
Pink 6	**100'**	**102'**	**5.6'**
Orange 7		65'	6.1'
Blue 8	**100'**	**109'**	**6.5'**
Pink 9		45'	6.7'
Red 10	**50'**	**50'**	**7.6'**
Orange 11	**50'**	**50'**	**8.1'**

APPROVED AUG 21 2015

Initial System: 400' **Repair System:** 364'
Pump Tank: 10.3' **House Corner:** 9.9' **Benchmark:** 4.5'

Comments:
One tap each for R5, P6, and B8. One tap split for R10 and O11.


N32°39'59"E 95.10' Total
45.18'
CCM
49.92'
N 11°59'33" E 95.10'
N 11°01'09" W 91.09'
LOT 79
76.91'
N 53°16'25" E
35' REARYARD
15' SIDEYARD
LOT 105
0.699 ACRES
30439.0 SQ.FT.
67' House
69'
10' D & UE TYPICAL
S 22°56'05" E 142.89'
N 42°45'34" W 93.02'
LOT 78
35' MBSL
10' Septic Line & D&UE Easement
S46°01'32"W
77.10'
S 10°18'58" E 138.23'
IPS
LOT 106
0.746 ACRES
32490.1 SQ.FT.
145.02'
255.63' Total
N 30°12'16
N41°14'26"W
40.05'
Tie Line
81.98'
L3
C1
C2
C3
C4
C5
C6
CHARTHOUSE LANE
40' PUBLIC R/W
25' SSL & ACCESS ESMT.
PLAT BK: 53, PG: 145
25'
L4
L5
N 46°13'48" E 130.00'
LOT 69
COS ACCESS
0.124 ACRES
5414.6 SQ.FT.
98.18'
15' SSL ESMT
N 42°03'19" W
12.43'
S 46°13'48" W 212.37'
N46°16'47"E 85.99'
50' MBSL
LOT 107
APPROVED AUG 21 2015

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

Sheet 1 of 1
PROPERTY ID #: 4636026391
COUNTY: Iredell

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

APPROVED AUG 2 1 2015

OWNER: CP II LLC
ADDRESS: 3125 Presidential Pkwy, Atlanta GA
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Chesapeake Pt. Lot 105, 115 Charthouse Ln.
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.699 AC
PROPERTY RECORDED: 2015

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
AB 1	LS 10%	0-15	Br CL WSBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		15-25	R C SBK	FR SS SP					
		25-48	R CL WSBK	FR SS SP					
AB 2	LS 7%	0-10	Br CL WSBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		10-24	R C SBK	FR SS SP					
		24-48	R CL WSBK	FR SS SP					
3	AB								
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	1092 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & A
OTHER(S) PRESENT:

COMMENTS:

[redacted] ENVIRONMENT AND NATURAL RESOURCES
[redacted]VIRONMENTAL HEALTH
[redacted]TEWATER SECTION

PROPERTY I
COUNT

APPROVED AUG 2 1 2015

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

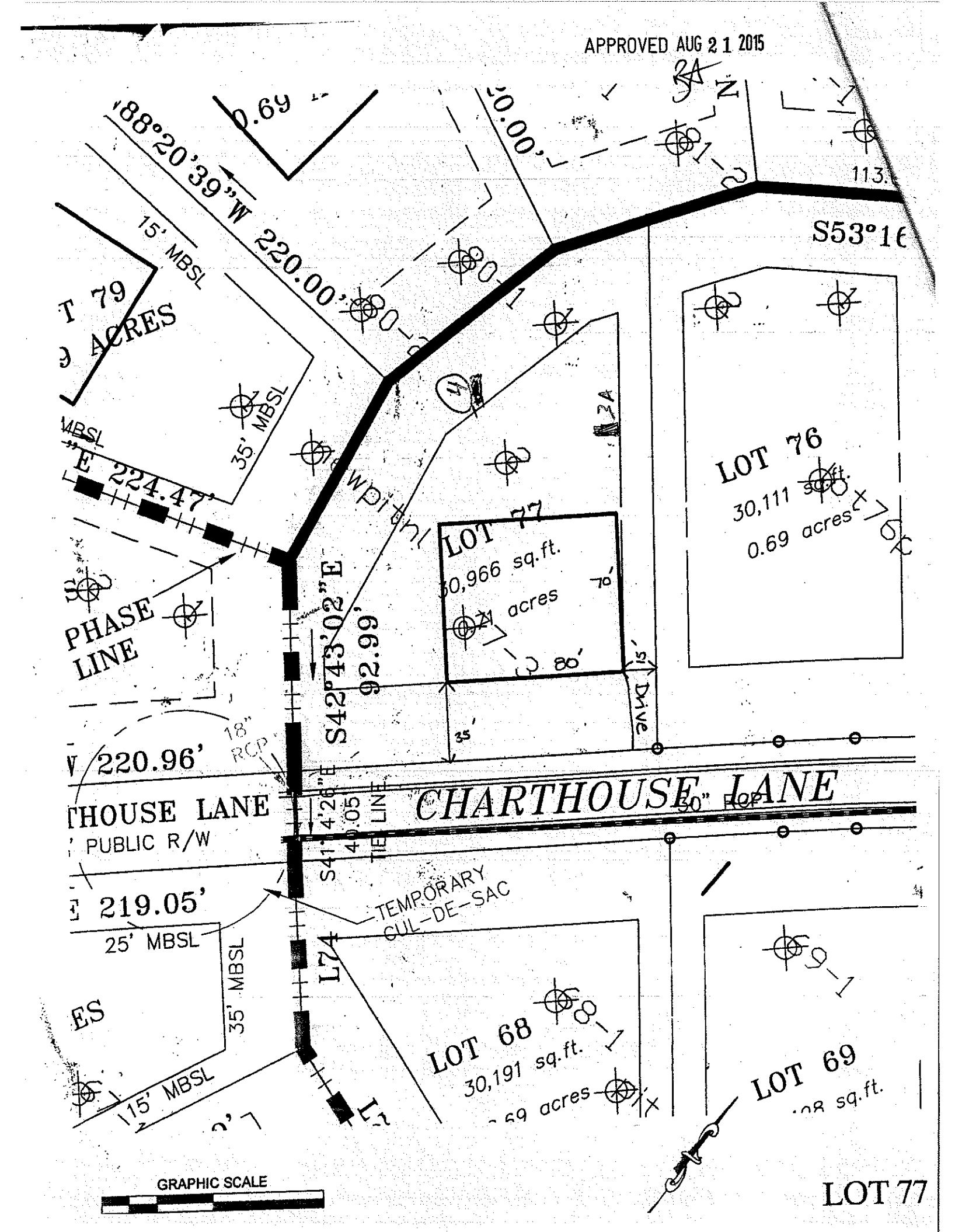
OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 7/2
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 77 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ 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 ~ 4%	0-3	mgr sl	FR SS/SP	Dk br				PS 0.3
		3-13	wsbk scl	FR SS/SP	RB				
		13-49	wsbk scl	FR SS/SP	RB Cj in lwr inch				
2	L 4%	0-10	mgr sl	FR SS/SP	Dk br				PS 0.3
		10-20	wsbk scl	FR	br				
		20-33	msbk c	FR	R				
		33-40	msbk c	FR	R F; Sap				
		40-53	msbk c	FR	R Cj Sap				
3A	8-24-06	[illegible]							
4	S	[illegible]							

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

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

COMMENTS: _____


APPROVED AUG 2 1 2015
S88°20'39"W 220.00'
0.69
20.00'
15' MBSL
T 79
9 ACRES
35' MBSL
E 224.47'
PHASE LINE
S42°43'02"E
92.99'
LOT 77
30,966 sq.ft.
0.71 acres
80'
70'
15'
Drive
35'
LOT 76
30,111 sq.ft.
0.69 acres
W 220.96'
18" RCP
CHARTHOUSE LANE
30" RCP
THOUSE LANE
PUBLIC R/W
S41°4'26"E
40.05'
TIE LINE
E 219.05'
25' MBSL
35' MBSL
TEMPORARY CUL-DE-SAC
L24
ES
15' MBSL
LOT 68
30,191 sq.ft.
LOT 69
GRAPHIC SCALE
LOT 77