ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 319879

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4636-08-5468

APPLICANT/OWNER: Julie McQueeney | APPLICANT ADDRESS: 10863 Sapphire Trail, Davidson NC 28036

SITE ADDRESS: 117 Chestnut Bay Lane, Mooresville, NC 28117 | PHONE: 910-376-9071 | ALT PHONE:

SITE DIRECTIONS: W Brawley School → R Blume → L Beechtree → R Chestnut Bay → Lot on L | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Beechtree Bay | SECTION: | LOT # 2+2A | LOT AREA: 0.906 ac + 0.276 | DESIGN FLOW: 480 gpd | LTAR: 0.3 (IER)

Septic Tank	1000	(gal)	STB 760	Date 6/28/22	☒ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000	(gal)	PT 365	Date 6/28/22	System Description: LPPPBPS - vertical				☐ Business	No. Persons 8	☒ Private
Pump Make	Liberty	Model	290	Serial #	Repair System Description: LPPPBPS				☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	4	Linear Ft 270'	Maintenance Agreement Required: ☒ YES		☐ NO		☐ Slab	☐ Crawl Space	☐ Community
Trench Width	24"	Trench Bottom Depth(Low side)	36"	Gravel Depth N/A	☐ GRAVITY		☒ PRESSURE		☒ Basement w/ plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Do not drive, pave, park, grade, or bury utilities in drainfield. Divert all drainage from drainfield. Keep 20' from all other septic systems.

Sleeve supply line in ductile iron or bury 30" + where it passes under the driveway.

INITIAL SITE SKETCH

See attached site plan & design by Michael Athanas & Assoc dated 8/3/21

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Tanks
Supply line to easement — CW 8/18/22

Lines
Pressure head — CW 8/31/22
PM
Floats
[redacted]

Electrical — CW 10/4/22

Permit can be suspended or revoked if any false information is supplied toward securing the permit, any unauthorized changes are made to the site, / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

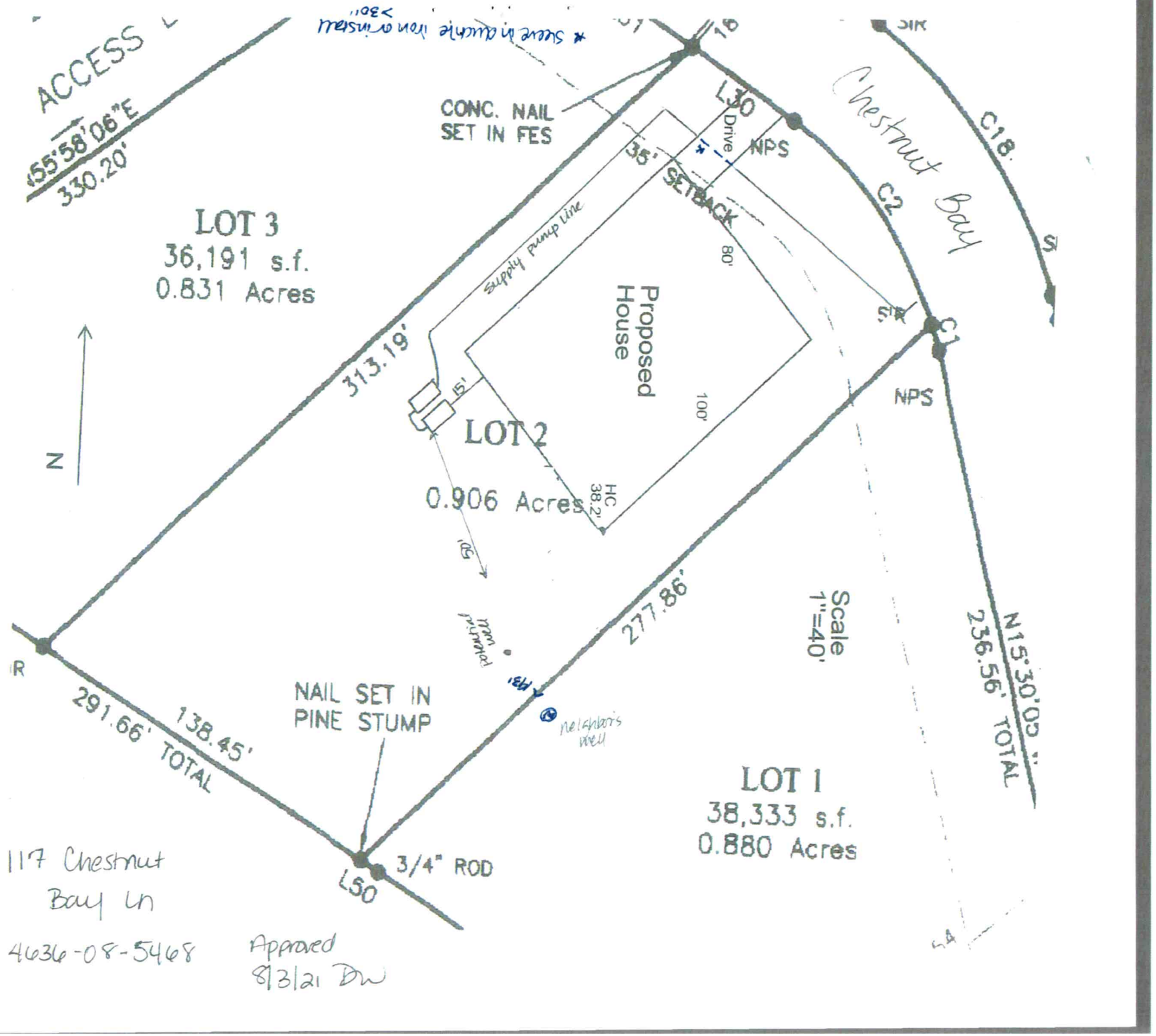
☐ IMPROVEMENT PERMIT with plat valid without expiration ☒ IMPROVEMENT PERMIT with site plan valid for 60 mos ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Julie McQueeney | Date: 9 Aug 21 | Installed by: Brown Septic

IMPROVEMENT PERMIT by: D. Meberg | Date: 8/3/21 | OPERATION PERMIT by: [signature] | Date: 10/17/22

AUTHORIZATION TO CONSTRUCT by: D. Meberg | Date: 11/21/22 | Existing System Inspected by: | Date:

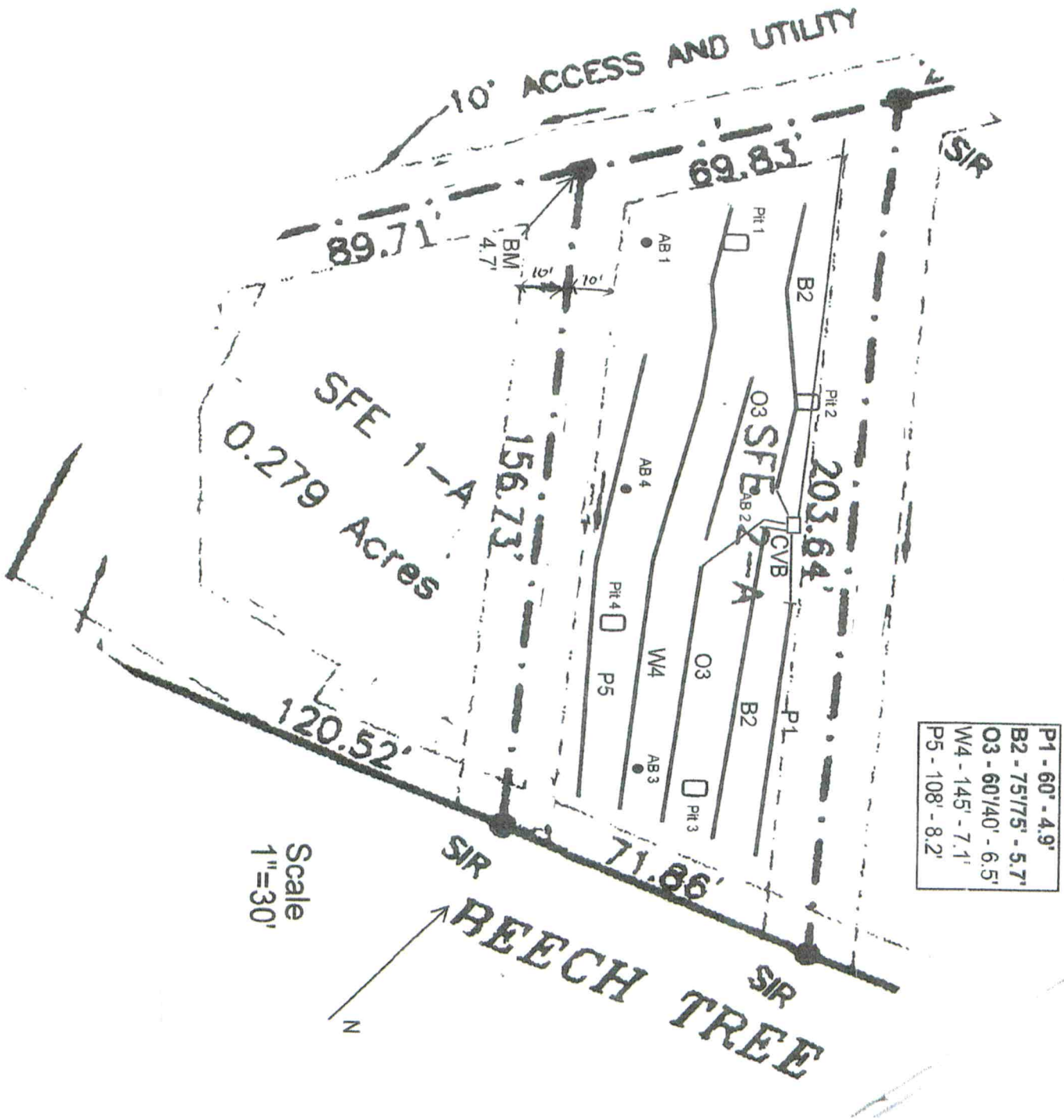
FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed

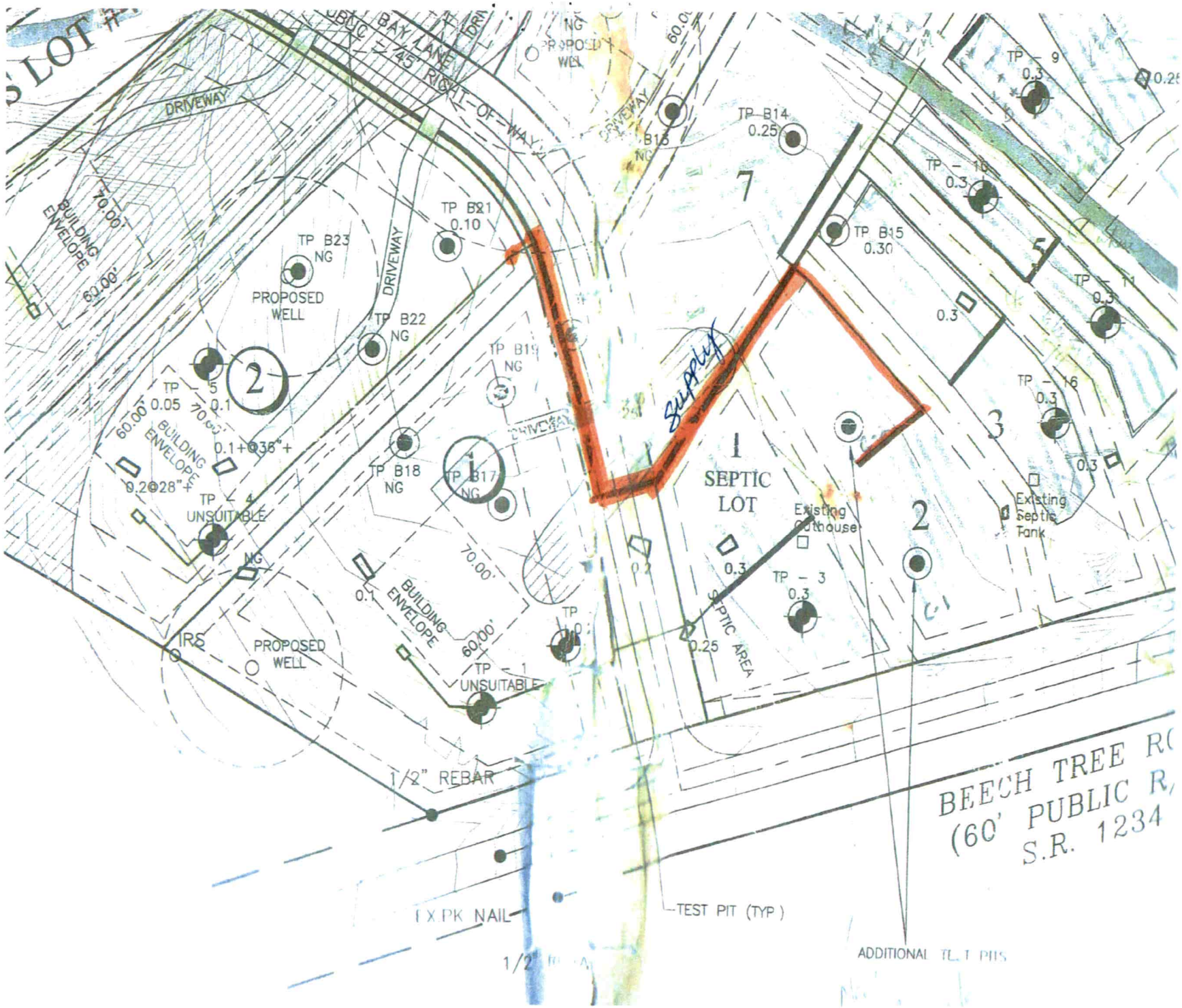

ACCESS
S55°58'06"E
330.20'
CONC. NAIL
SET IN FES
L30
Drive
NPS
35'
SETBACK
Chestnut Bay
C18
C2
C1
LOT 3
36,191 s.f.
0.831 Acres
Supply pump line
Proposed
House
80'
100'
313.19'
15'
LOT 2
0.906 Acres
HC
38.2'
N
277.86'
Scale
1"=40'
N15°30'05"
236.56' TOTAL
291.66' TOTAL
138.45'
NAIL SET IN
PINE STUMP
3/4" ROD
L50
LOT 1
38,333 s.f.
0.880 Acres
117 Chestnut
Bay Ln
46036-08-5468
Approved
8/3/21 DW

117 Chestnut Bay Lane

4636-08-5468

Approved
8/3/21 DW




BAY LANE
45' RIGHT-OF-WAY
DRIVEWAY
BUILDING ENVELOPE
60.00'
70.00'
PROPOSED WELL
TP B23 NG
TP B22 NG
TP B21 0.10
TP B19 NG
TP B18 NG
TP B17 NG
TP B14 0.25
TP B15 0.30
TP - 1 UNSUITABLE
TP - 3 0.3
TP - 4 UNSUITABLE
TP - 9 0.3
TP - 10 0.3
TP - 11 0.3
TP - 16 0.3
TP 0.05 0.1
0.1+0.36"+
0.2@28"+
SEPTIC LOT
SEPTIC AREA
Existing Outhouse
Existing Septic Tank
SUPPLY
1/2" REBAR
EX PK NAIL
TEST PIT (TYP)
ADDITIONAL TEST PITS
BEECH TREE R
(60' PUBLIC R
S.R. 1234

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
7/21/2021

Reference: Data Sheet for 117 Chestnut Bay Ln, Beechtree Bay Lot 2
House Footprint: 80' x 100'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Tap Size and Material: 5/32"
System Flow: 25.4 GPM
Dosing Volume: 223.2 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 40.3'
Friction Head: 7.3'
Pressure Head: 2'
Total Dynamic Head: 49.6'
Supply Line Length: 550' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	# of Panels	Actual Length	Elevation
Pink 1	**60'**	**14**	**60'**	**4.9'**
Blue 2	**75'/75'**	**17/17**	**156'**	**5.7'**
Orange 3	**60'/40'**	**14**	**105'**	**6.5'**
White 4			145'	7.1'
Pink 5			108'	8.2'

Initial System: 270'
Pump Tank: 40.2'
Benchmark: 4.7'
Repair System: 293'
House Corner: 38.2'

Comments: