Site Address: 100 Anchor Lane - Irtn

THIS PERMIT VOIDS #119374 ISSUED 7-20-2004

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# 142787 PIN# 4730-40-2169 DATE 6-11-07

OWNER OR APPLICANT HEATH CAMPBELL PHONE: Business 704-838-8934 Home 704-641-1000 cell

ADDRESS 3450 CAMBRIDGE PLACE, STATESVILLE, NC 28625

LOCATION STATE PARK ROAD TO HONEYCUTT, TR BRER FOX, TL CAPTAINS WAY, TR ANCHOR LANE, LOT AT END ON LEFT

SUBDIVISION CAPTAINS COVE BLOCK / SECTION LOT 10 LOT AREA 0.589 ACRE SITE CLASS. PS DESIGN FLOW 360' L.T.A.R. 0.25 GAD/FT²

Septic Tank: 1000 Gallons; STB 760 Date 8-18-07

Pump Tank: 1000 Gallons; PT 363 Date 10-1-07

Pump Make: ZOELLER Model EQ. 151-BM Serial No.

Nitrification Field: No Fields 1 Square Feet 1440 Linear Feet 240

No Lines THREE Trench Width 24" Max Trench Bottom Depth 36" SAND Depth 24"

☒ New System ☐ Repair ☐ Expansion System Type: I II III ⓘ V VI

System Description: 50% REDUCTION, LOW-PRESS

Repair System Description: 50% REDUCTION, LOW-PRESS

Maintenance Agreement Required: ☐ Yes ☐ No

☐ Gravity ☒ Pressure ☐ Slab ☐ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

☐ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other

No. Bedrooms 3 No. Persons ___ No. Employees ___

Water Supply: ☒ Individual ☐ Public ☐ Community WELL off SITE

Comments/Conditions: ① INSTALL 50% REDUCTION SYSTEM ON CONTOUR AS SHOWN USING LOW-PRESSURE DISTRIBUTION ② KEEP SYSTEM MINIMUM 50 FEET FROM WELL (LOCATED off SITE) ③ A CONTRACT SHALL BE EXECUTED BETWEEN SYSTEM OWNER & MANAGEMENT ENTITY PRIOR TO ISSUANCE of O.P.

Comments/Conditions: POLYLOK F. lk & RISERS

TANKS MEASURED 50' TO 760 HIGH WATER MARK.

INITIAL SITE SKETCH

SEE ATTACHED SITE PLAN PREPARED BY MICHAEL ATHANAS & ASSOCIATES, INC.

AS BUILT SKETCH

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. Improvement Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Permit with plat valid without expiration ☐ Improvement Permit with site plan valid for sixty months ☒

Signed: [signature] date 6/12/07

Improvement Permit by: STEVE HENDRICK date 6-11-07

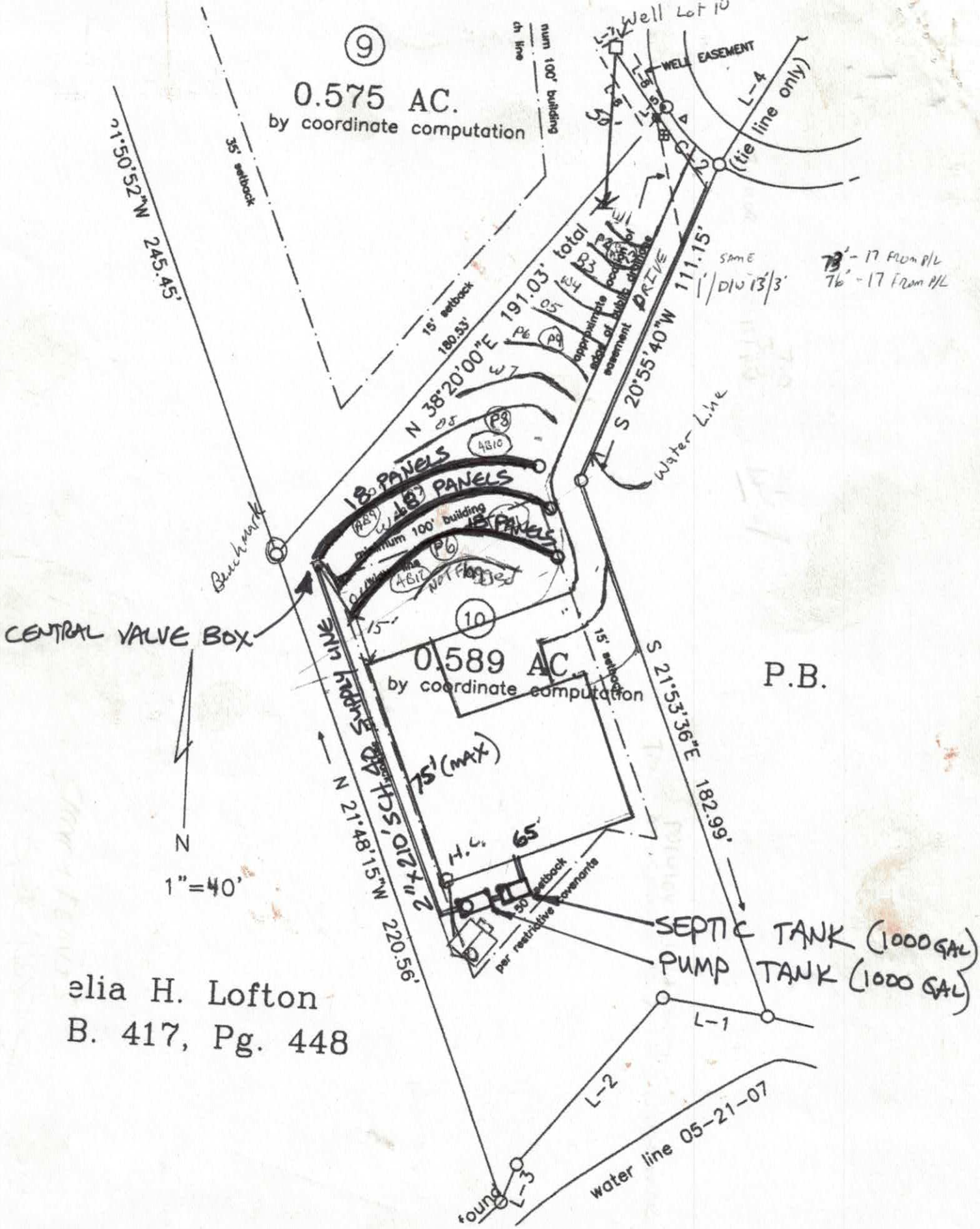
Authorization to Construct by: STEVE HENDRICK date 6-12-07

Installed by: SAMMY REAVIS

Operation Permit by: STEVE HENDRICK date 12-21-07

Existing System Inspection by: ___ date ___

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK


9
0.575 AC.
by coordinate computation
10
0.589 AC.
by coordinate computation
Well Lot 10
WELL EASEMENT
(tie line only)
L-4
L-5
L-6
C-2
S 21°50'52"W 245.45'
35' setback
15' setback
180.53'
minimum 100' building
N 38°20'00"E 191.03' total
appropriate point at public drive
easement
DRIVE
S 20°55'40"W 111.15'
SAME
1"/DIV 13/3'
73' - 17 FROM P/L
76' - 17 From P/L
Water Line
Benchmark
CENTRAL VALVE BOX
18 PANELS
18 PANELS
18 PANELS
P3
P6
P8
P9
B3
B4
B5
B7
4810
NOT FLOODED
15'
15' setback
S 21°53'36"E 182.99'
P.B.
N 21°48'15"W 220.56'
2" PVC SCH 40 SUPPLY LINE
75' (MAX)
H.L. 65'
50' setback
per restrictive covenants
SEPTIC TANK (1000 GAL)
PUMP TANK (1000 GAL)
L-1
L-2
L-3
found
water line 05-21-07
N
1"=40'
elia H. Lofton
B. 417, Pg. 448



MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, SC 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Captain's Cove Lot 10
House Footprint: see plat
Building Setback: 35' front/back, 15' side, 50' lake
Water Source: Well
Number of Bedrooms: 3/360gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested system type: PPBPS 54 PANELS
Distribution: Low Pressure-Central Valve Box
Pressure Head: 2'
Flow per tap: ~~0.59 gpm~~ ~~(54)~~ 0.41 GPM
Hole size & Material: ~~3/16"~~ 5/32"
System Flow: ~~31.86 gpm~~ 23 GPM
Dosing volume: 194.4 gallons
Pump Run Time: ~~6.10 min~~ 8.4 MINUTES
Elevation Head: 14'
Friction Head: ~~2.33'~~ 3'
TDH: ~~21.99'~~ 24'
Septic/ Pump tank size: 1000 gallons
Proposed Trench Bottom: 36"
" " WIDTH : 24"

Line	Length	Elevation
White 1	*17'*	*0.6'*
Pink 2	*19'*	*0.6'*
Blue 3	*20'*	*1.3'*
White 4	*24'*	*1.4'*
Orange 5	*25'*	*3.4'*
Pink 6	*30'*	*4.1'*
White 7	*36'*	*4.7'*
Orange 8	*50'*	*5.1'*
Pink 9	**80'**	**6.1'**
White 10	**80'**	**7.2'**
Orange 11	**80'**	**8.1'**
Not flagged	*40'*	

Initial system: 240'(54 panels) ***Repair system:*** *261'*
Tanks Elevation: 15.1' **House Elevation:** 14.7'
Benchmark: 5.3' (Property corner between lot 10 and 9)

Comments: There will not be a foundation drain around the garage. Do not cut for postive drainage. Backfill against the house for positive drainage. The backfill should not extend further than 10' from the house. The septic area should be fenced off during construction to keep traffic off the septic area to prevent any damage or compaction. A well easement was created on lot 9 for lot 10. The water line should be placed beside the driveway opposite of the septic area.

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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
Pit 5	3-5%	0-10	Brsl wsbk	Frsssp	YBs 34"-42"	55"	Few Inc Sap	-	PS 0.25
		10-42	Rc sbk	Frsssp					
		42-55	Rcl wsbk	Frsssp					
Pit 6	3-5%	0-8	Brsl wsbk	Frsssp	YBs 44"	60"	Few Inc Sap 44"	-	PS 0.25 0.3
		8-44	Rc sbk	Frsssp					
		44-60	Rcl wsbk	Frsssp					
Pit 7	3-5%	0-8	Brsl wsbk	Frsssp	Few YBs @ 42"	50"	-	-	PS 0.25 - 0.275
		8-56	BcRc sbk	Frsssp					
Pit 8	3-5%	0-12	Brsl wsbk	Frsssp	very Few YBs @ 38"-46"	58"	-	-	PS 0.25 - 0.275
		12-46	Rc sbk	Frsssp					
		46-58	Rcl wsbk	Frsssp					
Pit 9	3-5%	0-9	Brsl wsbk	frsssp	-	60"	Few Inc Sap 42"	-	.4 0.3
		9-46	Rc sbk	Frsssp					
		46-60	Rcl wsbk	Frsssp					

COMMENTS: _____

DENR/DEH

ON-SITE WASTEWATER SECTION

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Heath Campbell
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: 3 bedroom PROPOSED DESIGN FLOW (.1949): 360 gpd DATE EVALUATED: _____
LOCATION OF SITE: Anchor Ln - Captain's Cove #10 PROPERTY SIZE: 0.589 Ac
WATER SUPPLY: • X Private • Public • X Well • Spring • Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: • X Auger Boring • Pit • Cut TYPE OF WASTEWATER: • X Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	AB #9 LS 10-12%	0-8	Br SL Gr	V.Fri SS/SP	Few 4-B's	45"+	-		PS .275
		8-14	Red SCL W/Sbk	Fri SS/SP					
		14-45	Red Cly SBk	Fri SS/SP					
		@45	Floater						
2	AB #10 LS 5-8	0-12	Br SL Gr.	V. Fri SS/SP	V. Few 4-B	48"+	-	-	PS .3
		12-48	Red Cly SBk	Fri SS/SP					
3	AB #11 LS 5-6%	0-11	Br SL G.	V. Fri SS/SP	Few 4-B	36"+	-		PS .25
		11-36	Red Cly SBk	Fri SS/SP					
		@36"	Floater/Quartz						
4	AB #12 LS 4-5%	0-11	Br SL Gr	Fri SS/SP	Few 4-BS	-	-		PS .25
		11-40	Red Cly SBk	Fri SS/SP					
		40-42	Red SCL W/SBk	Fri SS/SP					
		@42"	Floater/Quartz						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	438 F42	438F42
System Type(s)	PPBPS	PPBPS
Site LTAR	0.275	0.275

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: GM + MA
OTHER(S) PRESENT: _____

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

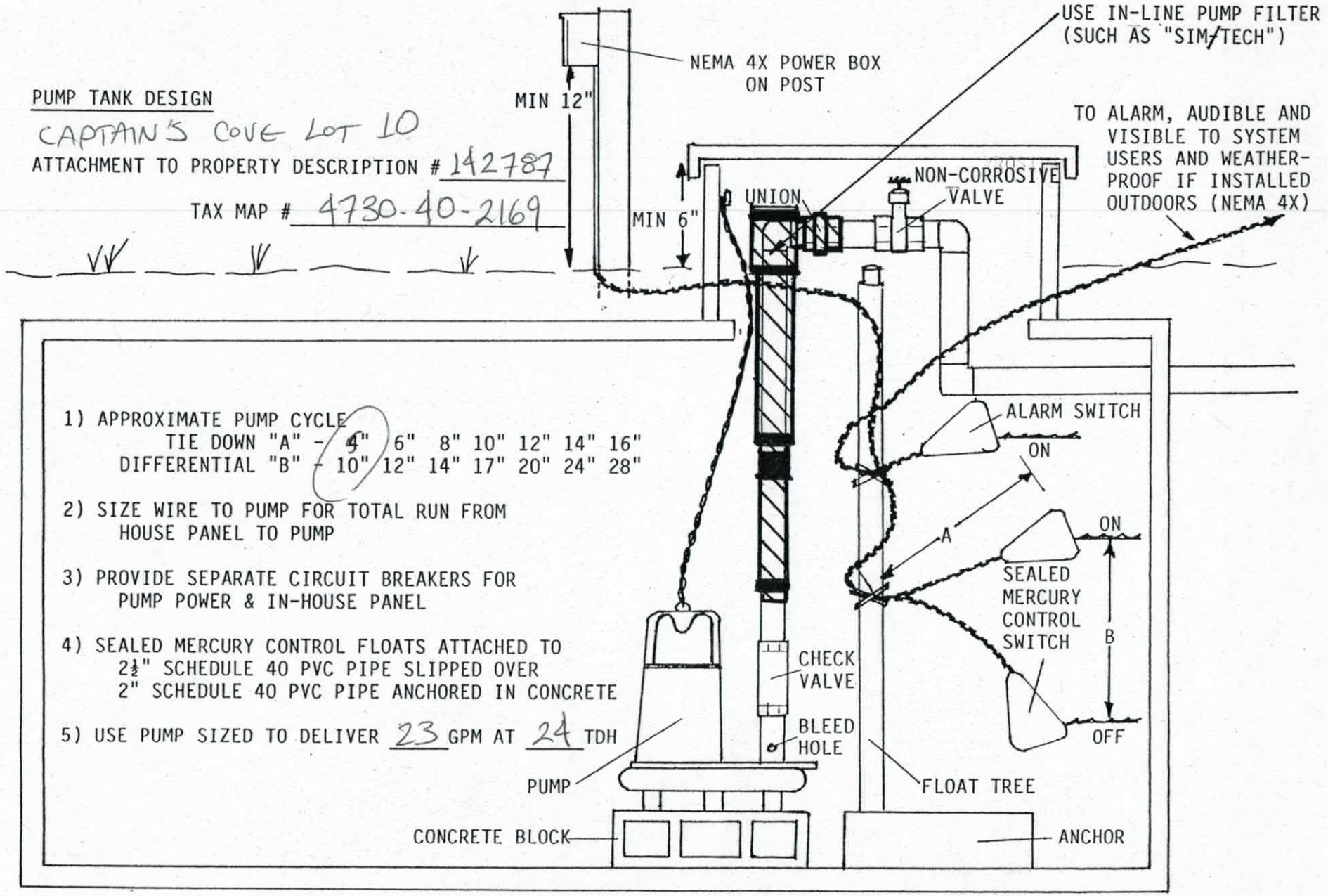
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
AB	LS	0-16	BkRsal wsbk	FISSSP	–	46"	FewTue sap 35"	–	PS
B	3-5%	16-42	Rc sbk	FISSSP					0-3
		42-46	Rcl wsbk	FISSSP					

PUMP TANK DESIGN

CAPTAIN'S COVE LOT 10

ATTACHMENT TO PROPERTY DESCRIPTION # 142787

TAX MAP # 4730-40-2169



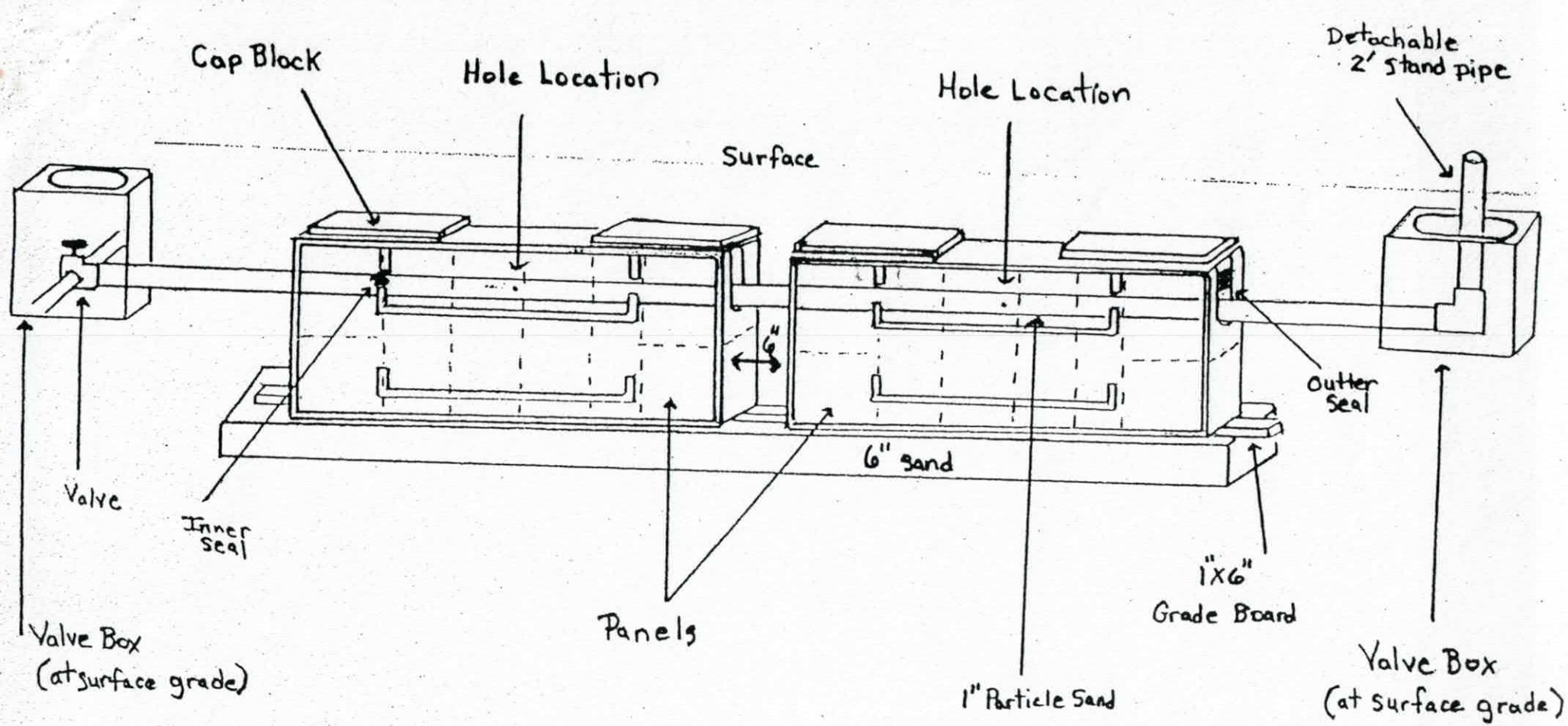
1) APPROXIMATE PUMP CYCLE
   TIE DOWN "A" - 4" 6" 8" 10" 12" 14" 16"
   DIFFERENTIAL "B" - 10" 12" 14" 17" 20" 24" 28"

2) SIZE WIRE TO PUMP FOR TOTAL RUN FROM HOUSE PANEL TO PUMP

3) PROVIDE SEPARATE CIRCUIT BREAKERS FOR PUMP POWER & IN-HOUSE PANEL

4) SEALED MERCURY CONTROL FLOATS ATTACHED TO 2½" SCHEDULE 40 PVC PIPE SLIPPED OVER 2" SCHEDULE 40 PVC PIPE ANCHORED IN CONCRETE

5) USE PUMP SIZED TO DELIVER 23 GPM AT 24 TDH



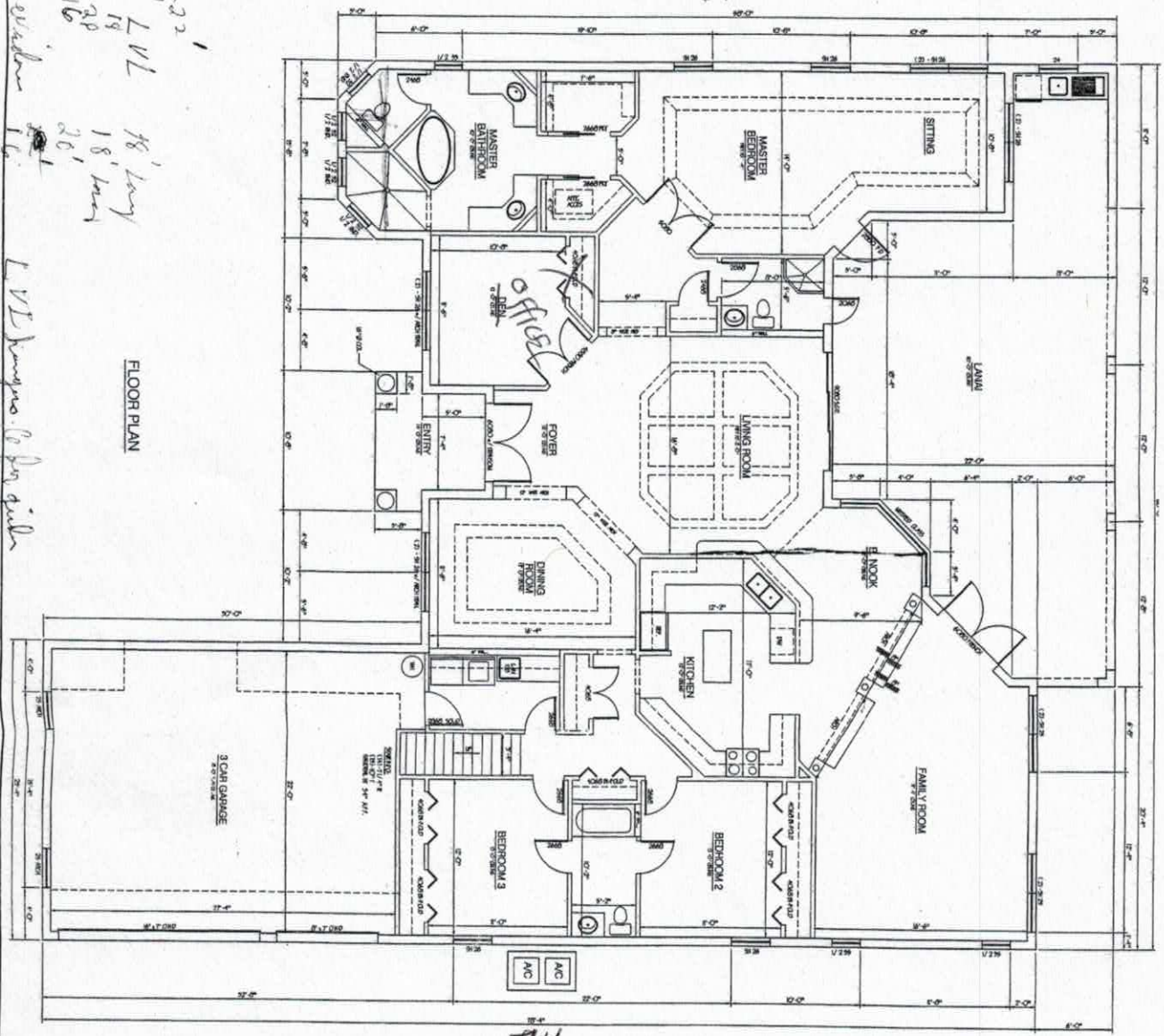
CAPTAINS COVE LOT 10
4730-40-2169

Pressure Dosed PPBPS

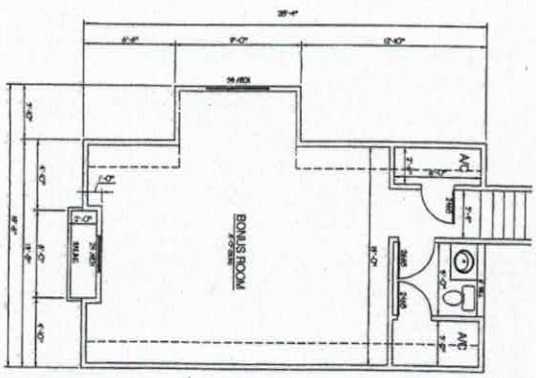
# of panels 54.
Size holes 5/32". 1 hole per panel.
Approximate amount of sand needed _____.
100lbs. of partical sand per 8 panels.
Sidewalls raked and limed.
GPM 23.
TDH 24.

Comments

SCOUR TRENCH SIDEWALLS & APPLY A LIGHT DUSTING of LIME PRIOR TO INSTALLING SAND & PANELS



FLOOR PLAN



AREAS	
LIVING	2,901 SQ FT
BASES	478 SQ FT
TOTAL LV	3,379 SQ FT
ENTRY	78 SQ FT
PORCH	168 SQ FT
GARAGE	555 SQ FT
TOTAL UR	4,872 SQ FT

Acknowledgement Of Plans Submittal ONLY!
STEVE HENDRICK Date 6-12-07
Date 6/12/07

NOTE: CLIENT IS RESPONSIBLE FOR VERIFYING THAT PLANS ARE ACCEPTABLE PRIOR TO FINAL ENGINEERING APPROVAL BY CLIENT FOR INTEGRITY DESIGN SERVICES TO COMPLETE ENGINEERING DENOTES ACCEPTANCE OF PLANS AS DRAWN.

DRAWN	W.D.M.
CHECKED	S.S.H.
DATE	6/5/07
SCALE	1/4"=1'-0"
JOB No.	PM-4.5
SHEET	2

Abe Wilson Construction, Inc. and
Krause Groves Enterprises, LLC
5344 E. Irio Bronson Hwy.
St. Cloud, FL 34771
Phone (407) 908-6996
Fax (407) 888-3818

FLOOR PLAN FOR
1950 TYSON DRIVE
ST. COULD, FLORIDA

THE UNDERSIGNED HEREBY ACKNOWLEDGES THIS SET OF PLANS HAS BEEN REVIEWED AND ACCEPTED AS DRAWN FOR FINAL ENGINEERING DRAWING PREPERATION AND/OR CONSTRUCTION PURPOSES:
SIGNED: DATE:

INTEGRITY DESIGN SERVICES
4418 PRESTON WOODS DRIVE
VALRICO, FLORIDA 33594
(813) 998-0822

SHAWN S. HAMRICK
P.E. NO. 59654

IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: X Improvement Permit ___Authorization To Construct ___BOTH ___Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
   The following optional attachments may also be submitted: ✓ Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
Heath W Campbell	3450 Cambridge Place Statesville NC 28625	704-641-1000	704-938-8934
Owner Name	Mailing Address	Home Phone	Work Phone

4. **Property Information:**

100 Anchor Lane Troutman NC (Street Address) — Captains Cove (Subdivision Name) — Lot 10 (Section/Phase and Lot Number)

Driving Directions: Perth Rd to State Park Left onto Honeycutt Rd Rt onto Honeycutt Lft onto Captains Cove Rt onto Anchor Lane

****

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(X) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 3
Maximum Number of Occupants 4
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(X) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business ___
Square Footage of Building ___
Maximum Number of Employees ___
Maximum Number of Seats ___

****

6. **Proposed Water Supply:**

(X) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (X) Other LPPTNJ panel ( ) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

****

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. Signature: Heath W. Campbell
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

5/9/07
DATE

DEVELOPER PERMIT

Iredell County
ZONING PERMIT

227 South Center St. PO Box 788 Statesville, NC 28687 Phone 704-878-3118

Call Sanitarian between 8 a.m. & 9 a.m. Statesville 704-878-5305 Mooresville 704-664-5281

Permit #: 142787ZO
Proposed Use: Single Family
Location of Property: 100 ANCHOR LN TROUTMAN NC 28166
Parcel #: 4730402169.000
Lot #: 10 Size: 0.589
Applicant: HEATH CAMPBELL
Address: 3450 CAMBRIDGE PLACE
STATESVILLE NC 286250000
Phone:
Property Recorded: Yes Site Plan Reviewed:

Subdivision: Captains Cove
Township: 1500 Fallstown
Zoning: R20 CUD
Flood Plain: No Watershed: WSIV-CA
Owner: HEATH W & KRISTINA T CAMPBELL
Address: 3450 CAMBRIDGE PLACE
STATESVILLE, NC 286250000
Phone:
Community Water: No Community Sewer:

If permitted the following minimum requirements must be met, unless Health Department requires more land area, or other qualifications are indicated in the comments.

Min. Lot Area: 21780
Min. Lot Width: 100
Min. Front Yard: 35 ft
Min: Rear Yard: 50 ft
Min. Left Side Yard: 15 ft
Min: Right Side Yard: 15 ft
Min. Number Parking Spaces:
Max. Built Upon Area:
Comments:

Directions:

21S, State Pk. Rd., L Honeycutt, L Anchor Ln, at the end of Cul.

FEES

Zoning Permit/Inspection Fee	☑	$45.00
Site Plan Review Fee	☐	$0.00
Environmental Health New System	☑	$200.00
Environmental Health Existing System	☐	$0.00
Total Fees:		$245.00

I certify that all statements made in this application and any attached documents are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that false information may be grounds for rejection of this application. Authorized Health Department and Planning & Enforcement Representatives are granted right of entry to make evaluations or inspections and to release information upon public request.

Applicant: Heath W. Campbell Date: 5/9/07

A non-refundable fee of $45.00 is charged on all permit applications.

ALAINA DILLARD

Printed: 5/9/2007

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