Site Address: 112 Deer Cove Ln. Troutman.

IREDELL COUNTY HEALTH DEPARTMENT

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

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

PERMIT# 40777 142389 PIN# 4720506810 DATE 4-18-07

OWNER OR APPLICANT DERECK OSBORNE BLD PHONE: Business 704-902-4443 Home 704 592-2604

ADDRESS PO BOX 1783 Statesville NC 28625

LOCATION POOTH RD (E) State Park (C) Wildlife (R) Sierra Woods (E) MAPLE VIEW (L) Deer Cove At end in cul-de-sac

SUBDIVISION Wildlife Bay BLOCK / SECTION II LOT 88/88A SUB AREA SITE CLASS. B & C DESIGN FLOW 960 L.T.A.R. .43

Septic Tank: 3000 Gallons; STB 633 Date 3-3-06
Pump Tank: 2500 Gallons; PT 96 Date 5-2-05
Pump Make: ZOELLER Model 5034-0010 Serial No. 1874404
Nitrification Field: No Fields 1 Square Feet 3200' Linear Feet 535
No Lines 5 Trench Width 24" Max Trench Bottom Depth 36" Gravel Depth N/A ☐ Gravity ☒ Pressure

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: Low Pressure 50% Reduct
Repair System Description: SAME
Maintenance Agreement Required: ☒ Yes ☐ No

☒ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other
No. Bedrooms 5 No. Persons 16 No. Employees

Water Supply: ☐ Individual ☐ Public ☒ Community

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

Comments/Conditions: (1) KEEP FILL FROM BASEMENT CUT TO MINIMUM, (2) INSTALL LINES ON CONTOURS & MAINTAIN SETBACKS.

Comments/Conditions: A CONSULTATIVE WILL NEED TO TAKE PLACE BY INSTALLATION OF SYSTEM A
PT 2500 GALLON

INITIAL SITE SKETCH

SEE ATTACHED SYSTEM DESIGN BY LOUIE COOK, R.S.I.

(1) Air Relief Valve needs to be installed in force main, at highest pt, such as the vacuum relief valve by Orenco Systems

(2) Pump figures are estimates only. Pump TDH is around 90 TDH & Pump 6pm 55 spm

[redacted]

(3) Use an effluent filter such as the In Line Sim Tech Filter & Lower Sock Screen.

(4) A High Head Pump such as the Zoeller multistage effluent pump should be used to achieve the 6pm/TDH reqmts.

AS BUILT SKETCH

Off site Septic on lot 88A. PIN# 4720-60-3912.88

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: _____ date 4-19-07

Improvement Permit by: _____ date 4-19-07

Authorization to Construct by: _____ date 4-19-07

Installed by: WELBORN'S GRADING & EXCAV, LLC

Operation Permit by: _____ date 7/25/08

Existing System Inspection by: _____ date _____

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



Off site septic area for lot 88.

PIN #4720.60-3912.88A

TANK FORMULA

1.17 Q + 500

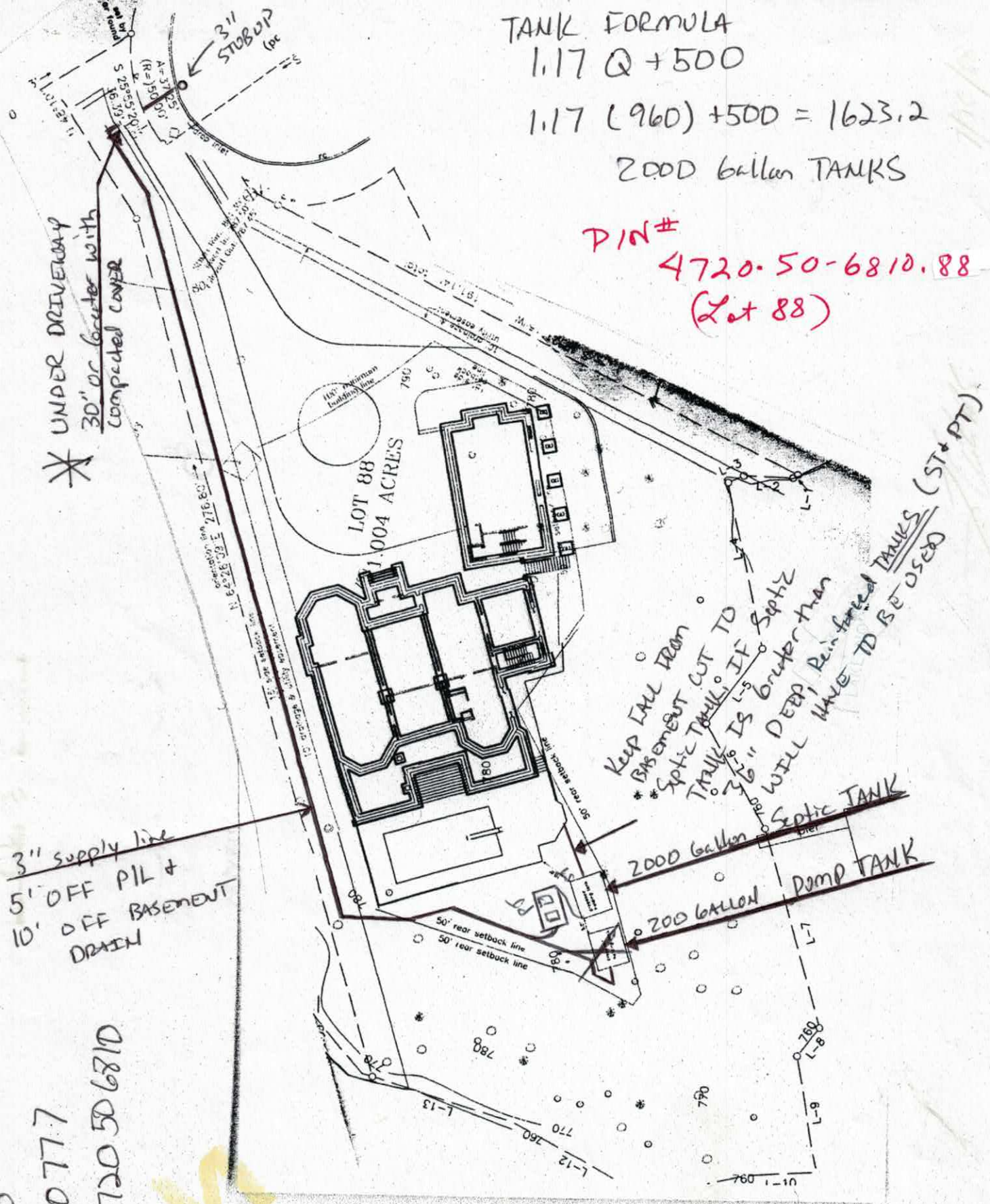
1.17 (960) + 500 = 1623.2

2000 Gallon TANKS

PIN#

4720.50-6810.88

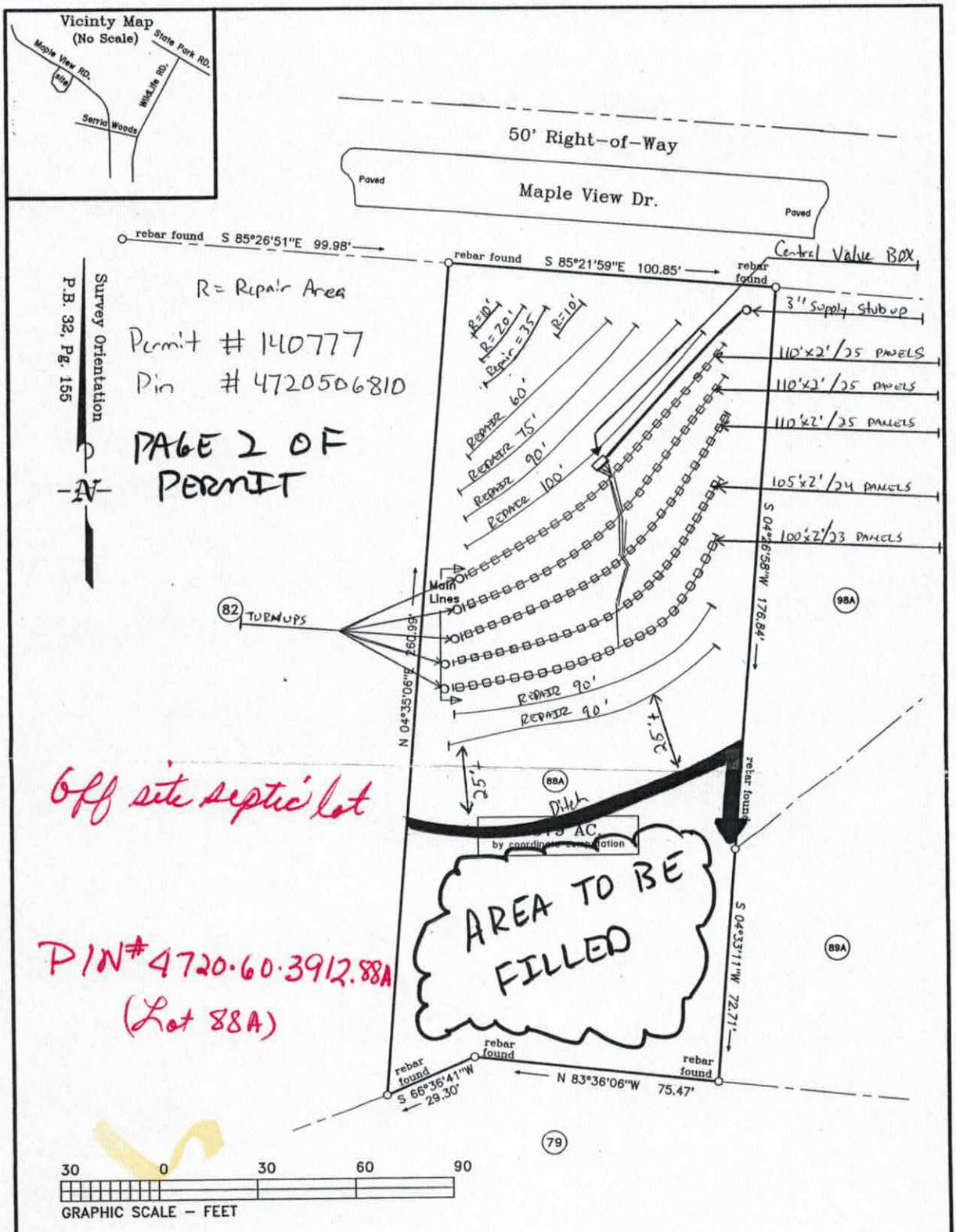
(Lot 88)



Permit # 140777

Pin # 4720 50 6810

PAGE 1 OF PERMIT



Off site septic lot

PIN# 4720.60.3912.88A
(Lot 88A)

Survey For:
HANS A. DeBOT & JAMYE W.DeBOT

Date:	04-04-07	Deed Reference:	1172-1587	Drawn by:	A N B
Scale:	1" = 30'	Tax PIN:	4720-50-6810	Job:	200745

Fallstown TWSP., Iredell CO., N.C
Lot 88A of "WildLife Bay" P.B 32, Pg. 155 & 156

AMERICAN PLANNING & SURVEYING
110 Suite C Stockton Street
Statesville, N.C. 28677
Phone (704) 871-9197
Fax (704) 838-0096

NORTH CAROLINA PROFESSIONAL SEAL L-4414 LAND SURVEYOR W. MATTHEW JORDAN

Notice:
This survey was prepared without the benefit of a title abstract and is made subject to any discrepancies which may be disclosed by a thorough and accurate title search.

I, W. Matthew Jordan, Professional Land Surveyor, hereby certify that this plat was drawn under my supervision from an actual survey made under my supervision with a precision ratio of 1: 10,000+.

Witness my seal and signature this April 4th, 2007.

Preliminary Plat
Not For Recordation
Conveyances, or Sales

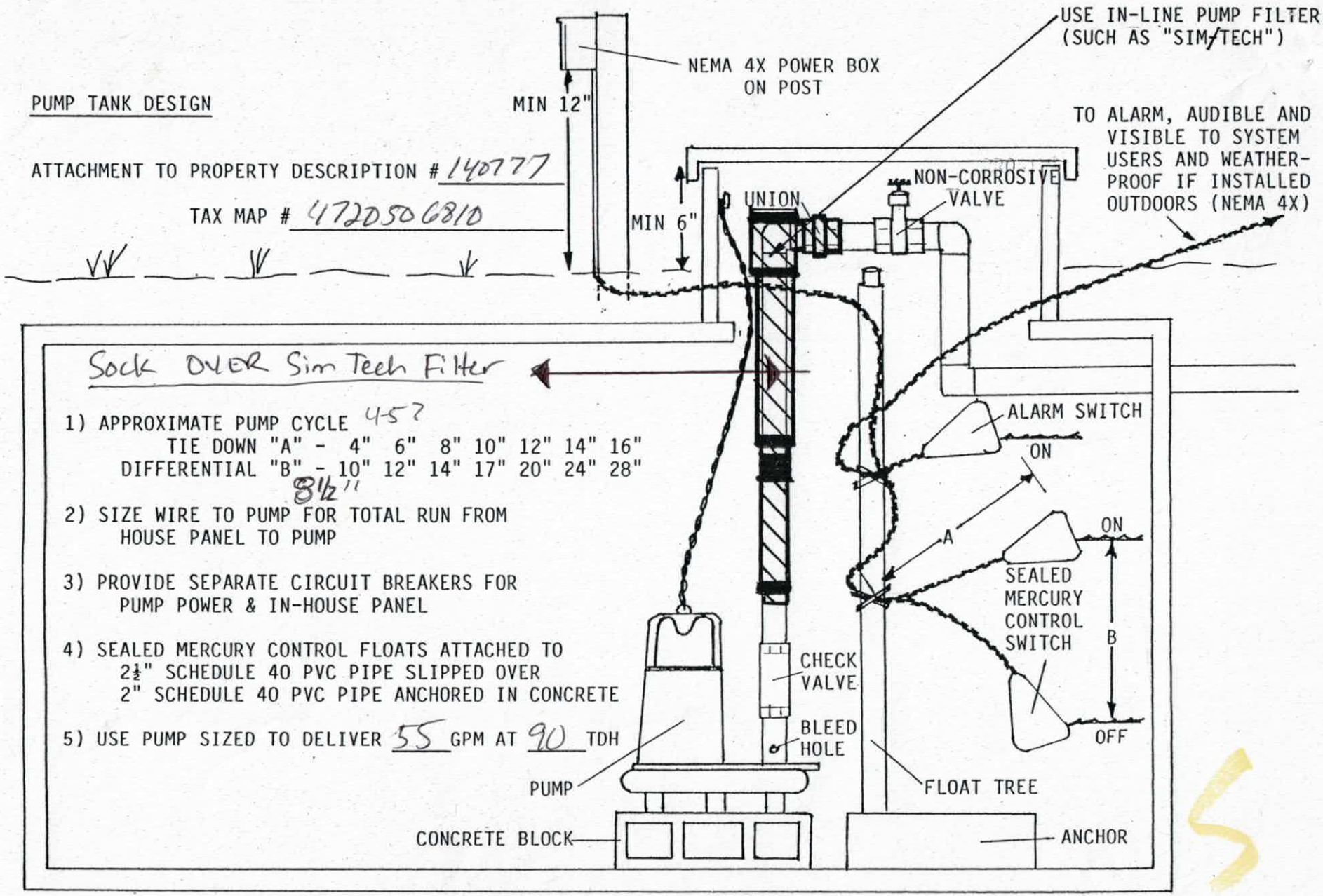
W. Matthew Jordan, P.L.S. License #4414

Pressure Bell

PUMP TANK DESIGN

ATTACHMENT TO PROPERTY DESCRIPTION # 140777

TAX MAP # 4720506810



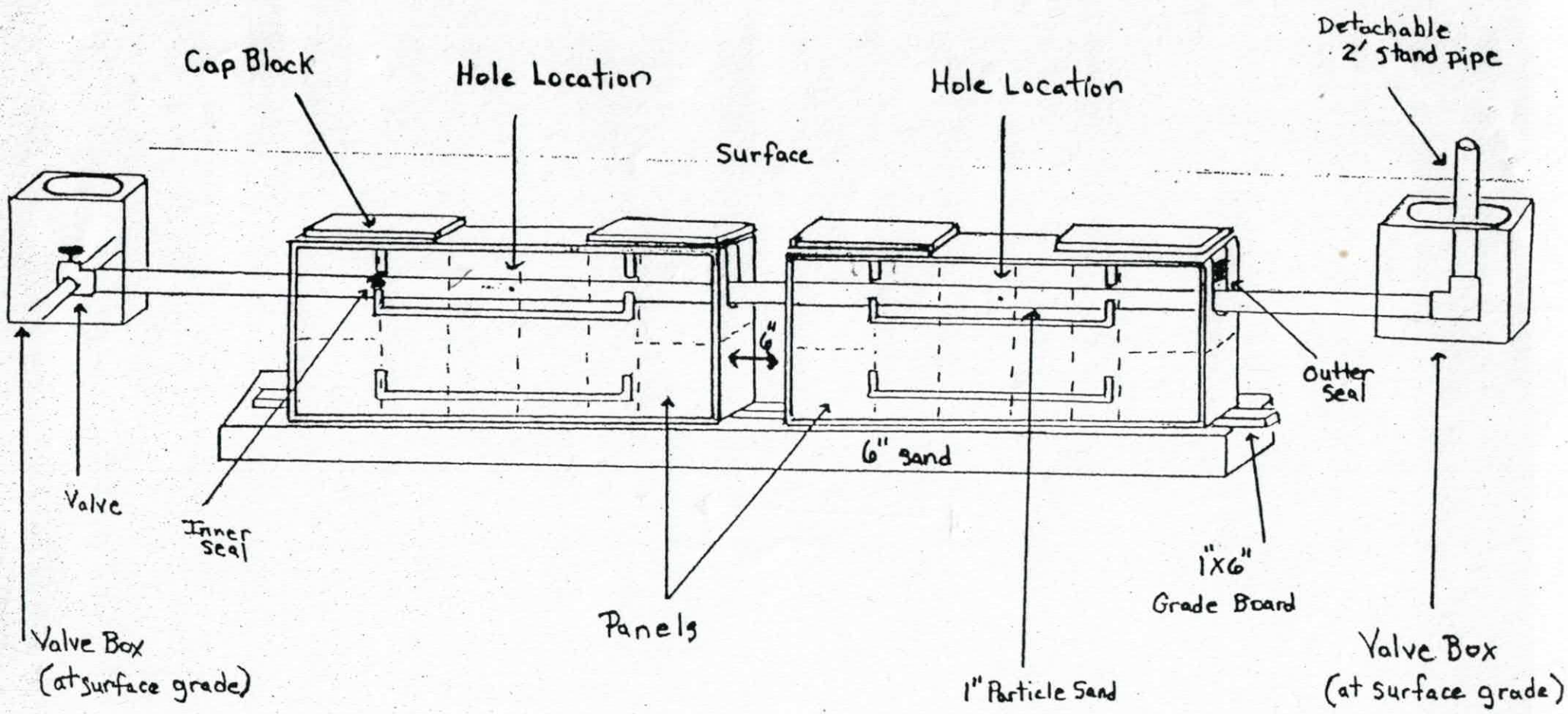
1) APPROXIMATE PUMP CYCLE 4-5?
TIE DOWN "A" - 4" 6" 8" 10" 12" 14" 16"
DIFFERENTIAL "B" - 10" 12" 14" 17" 20" 24" 28"
8½"

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 55 GPM AT 90 TDH



Pressure Dosed PPBPS

of panels 122.
Size holes 5/32. 1 hole per panel.
Approximate amount of sand needed 1600 lbs.—7 probably low fisure. Needs to refisure on site.
100 lbs. of partical sand per 8 panels.
Sidewalls raked and limed.
GPM 55.
TDH 98.

Comments

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: 140777
COUNTY: 47 Johnston

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Applicant
OWNER: DOB BLOCK
ADDRESS:
PROPOSED FACILITY: 8 BR HS
LOCATION OF SITE: Wildlife Blvd OFF SR 30

APPLICATION DATE 2/15/07
DATE EVALUATED:
PROPERTY SIZE:
PROPERTY RECORDED: Yes

PROPOSED DESIGN FLOW (.1949): 960

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	0-6	scl wkgr	frnsparsp		52"			PS .3
		6-52"	cmedsbk	fsssp slcp					
		52-60"	lomy sp wkg	frnsp nsp					
2	L	0-10"	scl wkgr	frnsp nsp		48"			PS .3
		10-48"	cmedsbk	fsssp slcp					
		48-60"	c wk sbk	fsssp slcp					
			sp incl < 50%						
3	L	0-12"	cmedsbk	fsssp slcp		12"			PS .4
		12-60"	lomy sp wkgr	frnsp nsp					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	LP 50%	LP 50%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: K. WELBORN
D. OSBORNE

COMMENTS:

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Crescent Resources APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 2/5/99
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Wildlife Bay II Lot #87 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other Now lot #88A
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		0-10	Brw SCL						PS .3
		10-52	R2 C/CL	ABK/SBK	FRSS, SP				
2		0-6	Brw SCL						PS .3
		6-14	R2/Brw C/CL	SBK/SSE, FI FR SBK/ABK					
		14-46	R2/Brw CL	FSBK SS SSE, FR			Sap Tackes		
		46-54	Yel/Brw SL/SCL	SAP					
3									
4									

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

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

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: __ 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:
Place check ( ) beside whichever is submitted if applicable
__ Survey Plat, Scaled no more than 1 Inch = 60 Feet
__ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone	Work Phone
Derek Osborne	P.O. Box 1783/Statesville	704-592-2604	871-8787

Owner Name	Mailing Address	Home Phone	Work Phone
Hans + Janice Dobot			704-902-4443

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
112 Deer Cove Ln Troutman	Wildlife Bay	Lot 88

Driving Directions: Perth - State Park R Sierra Woods, L Maple View L Deer Cove @ End

****

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

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

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

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(✓) 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:

( ) 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 ( ) Other___ ( ) No Preference

****

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

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) 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: [signature] 2-16-2007

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Iredell County
Planning & Enforcement
227 S. Center St. PO Box 788
Statesville, NC 28687
704-878-3113

Zoning Permit
Permit Number: 140777ZO

Printed: 2/15/2007

Master #: 140777

Associated Permits:

140777ZO	Zoning
140777ZO	Zoning

Applicant
Name: Derek Osborne Builders Inc.
Address: PO Box 1783
Statesville, NC 28687
Phone: 704-872-7482

Parcel
Parcel Number: 4720506810.000
Address: 112 Deer Cove Ln.
Troutman, NC 28116
Subdivision: Wildlife Bay
Zoning: R 20
Township: 1500
Area: 1.0
Lot(s): 88
Directions to Parcel: Perth, R State Park, L Wildlife, R Sierra Woods, L Maple View, L Deer Cove, at end

Owners
Name: Hans DeBot
Address: 21104 Creallock Place
Cornelius, NC 28031
Phone: 704-895-1907

Contractors
Contractor Type: Building
Name: Derek Osborne Builders Inc.
Address: PO Box 1783
Statesville, NC 28687
Phone: 704-872-7482

Fees and Receipts:

Number	Description	Amount
FEE-145197-07	Zoning - Permit / Inspection	$45.00
FEE-145198-07	Environmental Health - Type I or II System	$350.00