203-00
3-24-04
ICA

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

3433 1 1 CRT

APPLICATION: ___ NEW SYSTEM ___ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

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

FILE #: 5545B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 199-371-47

STREET ADDRESS: Island Point Rd

SUBDIVISION OR MOBILE HOME PARK NAME: The Sanctuary At Lake Wylie, LLC

LOT NUMBER: 10

TYPE OF BUILDING (CHECK ONE):

___ SINGLE MOBILE HOME(S)
___ DOUBLE WIDE (D)
___ HOUSE (H)
___ MODULAR HOME (M)
___ MULTIPLE FAMILY (U)
___ OTHER (O)

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
___ 1 CHARLOTTE
___ 2 DAVIDSON
___ 3 CORNELIUS
___ 4 PINEVILLE
___ 5 MATTHEWS
___ 6 HUNTERSVILLE
___ 7 MINT HILL

CLOSING DATE _____

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS:

NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

___ WITHOUT BASEMENT
___ ON SLAB
___ CRAWL SPACE
___ WITH BASEMENT /PLUMBING
___ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C)
___ SHARED WELL (S)
✓ MUNICIPAL (M)
___ OTHER 'SPRINGS' (O)
___ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES ___ YES ✓ NO
EXISTING WASTEWATER SYSTEMS ___ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS ✓ YES ___ NO
WELL, SPRINGS OR WATERLINES ___ YES ✓ NO
DESIGNATED WETLANDS ___ YES ✓ NO

PROPERTY OWNER:

NAME: (LAST) The Sanctuary At Lake Wylie, LLC (FIRST) (MI)

ADDRESS: 10933 Ballantyne Crossing Ave

CITY: Charlotte STATE: NC ZIP: 28277

DAYTIME PHONE: (704) 544-0201 ext 226

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) Jacobs (FIRST) Tonay (MI) C

DAYTIME PHONE: 704 663-6905

m 704 582 9219

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Tonay C Jacobs, CPSS (Agent) DATE: 3/24/04

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 199-371-03
Lot #: 10
File #: 5545B
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary at Lake Wylie
Address: 10933 Ballantyne Crossing Ave., Charlotte, N. C. 28277
Proposed Facility: Residence Design Flow (.1949): 600gpd
Location of Site: Ninebark Trail
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Toney Jacobs
Date Evaluated: 05/10/2004
Property Size: .75a Inv.
Property Recorded:

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 (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	LS, 10	0-4	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV .3GPD/FT^2
		4-41	SBK/C	FI/SEXP/S/P					
		41-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-4	GR/CL	"	>50" TO SOIL WETNESS	50	"	"	"
		4-41	SBK/CL	FI/SEXP/S/P					
		41-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-2	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	"
		2-36	SBK/C	FI/SEXP/S/P					
		36-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>50" TO SOIL WETNESS	50	"	"	"
		5-41	SBK/C	FI/SEXP/S/P					
		41-50	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	.3GPD/FT^2	.3GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 5/10/2004,
Others Present:

COMMENTS:
100% repair, will need pump

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope		SICL-Silty Clay Loam	
T-Terrace		CL-Clay Loam	
FP-Flood Plain		SCL-Sandy Clay Loam	
	IV	SC-Sandy Clay	0.4 - 0.1
		SIC-Silty Clay	
		C-Clay	

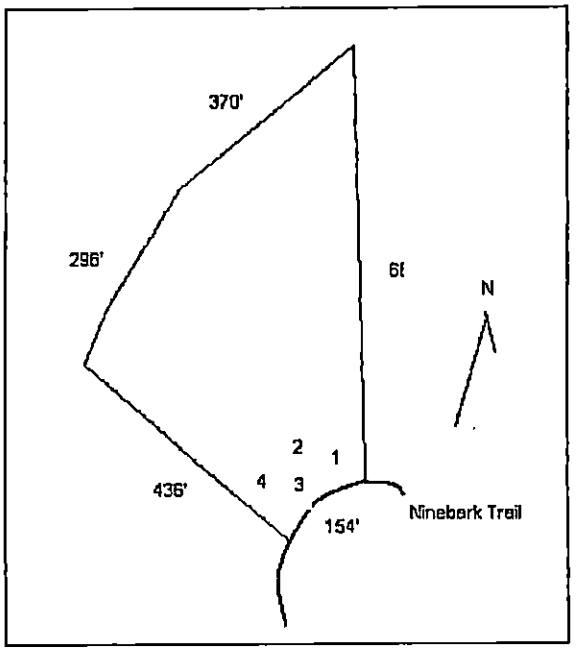
Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic

Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence
Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Sketch of Soil Evaluation Locations

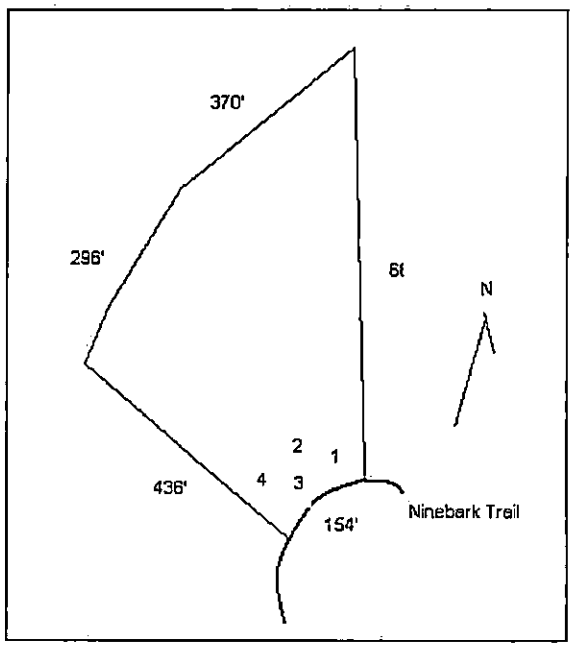


COMMENTS:
100% repair, will need pump

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: **5545B**

Tax Number: **199-371-03**

- The IMPROVEMNET PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement: ☒ Yes ☐ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

0.3 Long-term acceptance rate (GPD/ft^2)	600 Max gallons/day wastewater flow	1500 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☐ Yes ☒ No	1500 Gallon septic tank	500 Total trench length (ft)	24 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
5 Bedrooms in residence	1500 Gallon pump tank	na Depth of stone (in)	

Any surface water present: **Yes** Type: **Stream** Minimum separation distance (ft): **50**

Additional conditions: **Install according to plans on file submitted by Toney Jacobs and associates. Install pressure manifold.**

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

1500 Absorption Area (ft^2) 500 Total trench length (ft)	na Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	24 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HELTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

DENR Authorized Agent — Date: 8/2/04

Owner/Agent Signature — Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, NC 28202
(704) 336-5103

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH, AND
NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

TONEY C. JACOBS & ASSOCIATES, INC.

Consulting Soil Scientists

Licensed by the North Carolina Board for Licensing of Soil Scientists
Certified by the American Registry of Certified Professionals in Agronomy, Crops and Soils

168 Broadbill Drive
Mooresville, NC 28117
Phone (704) 663-6905
Fax (704) 662-9845 E-mail jacobs@i-america.net

June 21, 2004

To: Mr. David Cornelius, R.S.
Mecklenburg County Env. Health Dept.

From : Toney C. Jacobs
Paul G. Penninger

RE: Request for an Improvement Permit for lot 10 at The Sanctuary:
MCHD file # 5545B

Crescent Resources is requesting an Improvement Permit for lot 10 at The Sanctuary Subdivision for a 5 bedroom, basement home. Mr. Bill Marlin of the MCHD evaluated the soils on 5-10-04 and determined the septic area is PS at an 0.3 gpd/ft^2 LTAR. Toney C. Jacobs and Associates, Inc. has flagged a 25% reduction septic system and repair on the lot, as shown on the attached sketch.

We understand a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer of the lot will apply for the ATC. If the buyer's house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on lot prior to obtaining the ATC from the MCHD.**

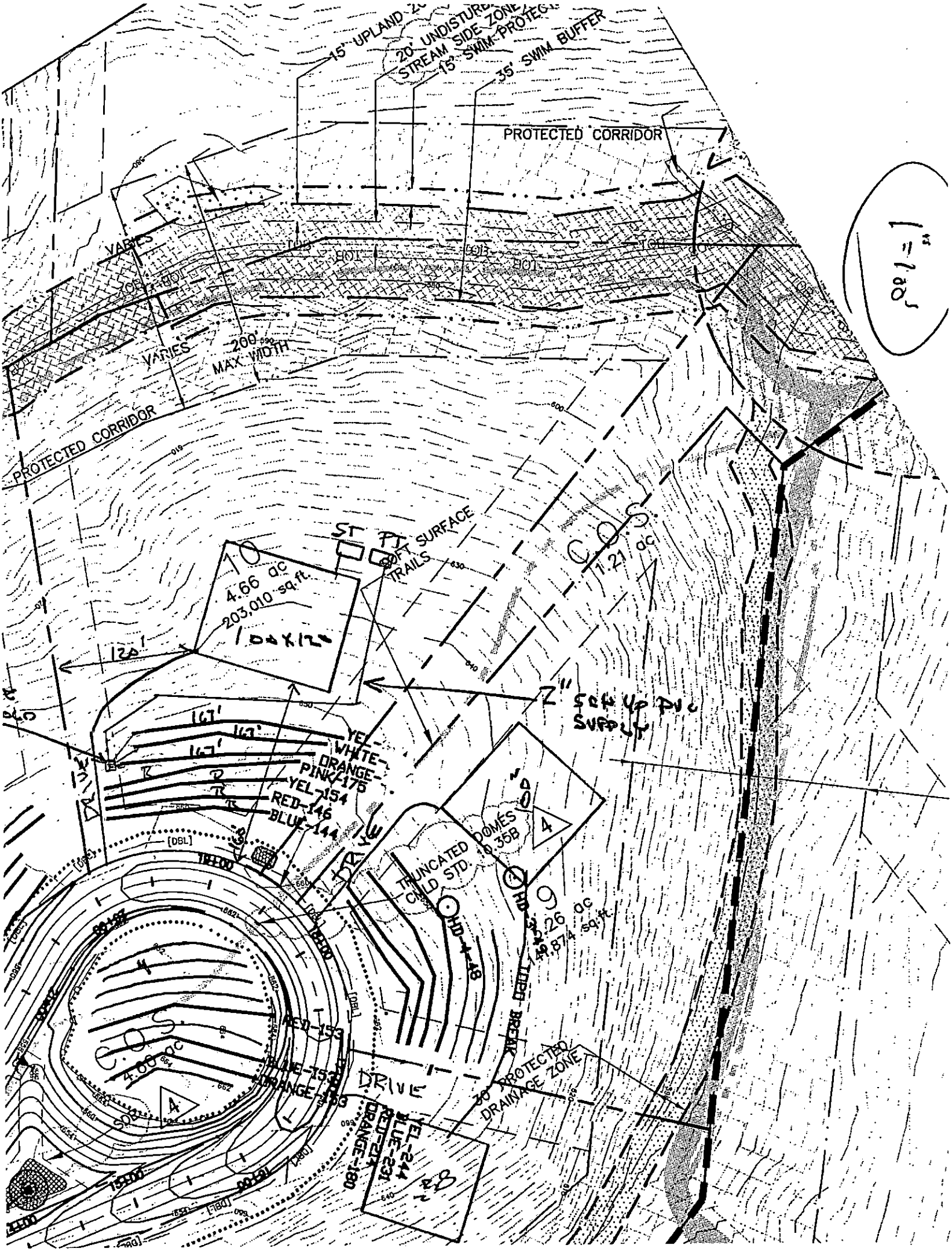
Tri-County Wastewater (TCWW) is under contract to supply maintenance services for each septic system installed at The Sanctuary. TCWW will have a list of preferred septic contractors for the subdivision and will also have requirements for the installation of the septic systems that are greater that the state requirements. It will be the responsibility of TCWW to enforce any requirements above state requirements or the conditions on the Improvement Permit or ATC.

Please review the attached system sketch and design specifications for the Improvement Permit. Please call if you have and questions, comments, or corrections.

Design Specifications for Lot 10 at

The Sanctuary, MCHD File # 5545B

System Type:	primary:	pressure manifold , 25% reduction
	repair:	pressure manifold , 25% reduction
Daily design flow:		600 gpd
Septic tank size:		1500 gal. (2 compartments)
Pumping tank size:		1500 gal.
Effluent loading rate:		0.3 gpd/ft^2 for primary and repair
Number and length of laterals:		3@ 167 ft. 25% reduction
Flow rate through the system:		16.5 gpm –use ½ in. SCH 80 taps with 2 ft. head pressure on pressure manifold (5.5 gpm per tap)
Pump requirements:		to be calculated by installer or owners agent when specific house and pump tank location are available
Dosing volume:		approx. 270 gal. – 2.2 doses/day at design flow
Depth of water pumped per dose:		calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Check valve:		YES
Siphon break hole:		No


15' UPLAND
20' UNDISTURBED
STREAM SIDE ZONE
15' SWIM PROTECT
35' SWIM BUFFER
PROTECTED CORRIDOR
VARIES
200' MAX WIDTH
PROTECTED CORRIDOR
ST
PT
SOFT SURFACE TRAILS
C.O.S.
1.21 ac
10
4.66 ac
203,010 sq.ft.
100 X 125
125'
2" SCH 40 PVC SUPPLY
167'
YEL-WHITE-175
ORANGE-PINK-175
YEL-154
RED-146
BLUE-144
TRUNCATED DOMES 0.35B
CHILD STD.
HD-4-48
9
4.26 ac
185,874 sq.ft.
TREE BREAK
C.O.S.
4.00 ac
RED-153
BLUE-153
ORANGE-153
DRIVE
30' PROTECTED DRAINAGE ZONE
ORANGE-180
YEL-234
BLUE-234
90'
90'
90'

S&ME

GWS Septic System Design Review

GWS File #: 5545B	**Approved**	**Disapproved**
Design Review: TCT 1-22-08	☒	☐
Field Review: _____	☐	☐

***Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.**

Date: December 11, 2007

To: Mr. Chris Sherrill, R.S.
Mecklenburg County Env. Health Dept.

From: Paul Penninger, LSS
Jacob B. Presley, LSS

RE: Request for an Improvement Permit for Lot 10 at The Sanctuary
MCHD File #5545B

Regal Custom Home Builders, LLC, is requesting the original Improvement Permit for the above referenced lot be revised for a new house and driveway plan. Mr. W.R. Marlin has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the system and repair on the lot. The septic lines have been located by S&ME and are shown on the attached maps. The attached sketch and specifications are not an Improvement Permit and are intended only to assist the MCHD in permitting the referenced lot.

We understand that a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer will apply for the ATC. If the buyer's house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand that the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on the lot prior to obtaining the ATC from the MCHD.**

Tri-County Wastewater (TCWW) is under contract to supply maintenance services for each septic system installed at The Sanctuary. TCWW will have a list of preferred septic contractors for the subdivision and will also have requirements for septic system installation that are greater than the MCHD and State requirements. It will be the responsibility of TCWW to enforce any requirements above State requirements or the MCHD conditions on the Improvement Permit.

Account

No	B90310
Name (Comm. Tab)	REGAL CUSTOM HOME BUILDERS LLC
Name 2 (Comm. Tab)	
Address	1615 LANCASTER HWY
Address 2	SUITE E
City	CHARLOTTE
State	NC 28277
Phone	fax 704-243-0570
Homeowner	No Bus. License No. 0

Month-To-Date	0.00
Prior Month	0.00
30-Day Balance	0.00
60-Day Balance	0.00
90-Day Balance	0.00
Total Due	0.00
Status A Active	
Status Modified Date	
Credit Limit (Bond Total)	10,000.00
Balance	0.00
Available Credit	10,000.00

Remarks

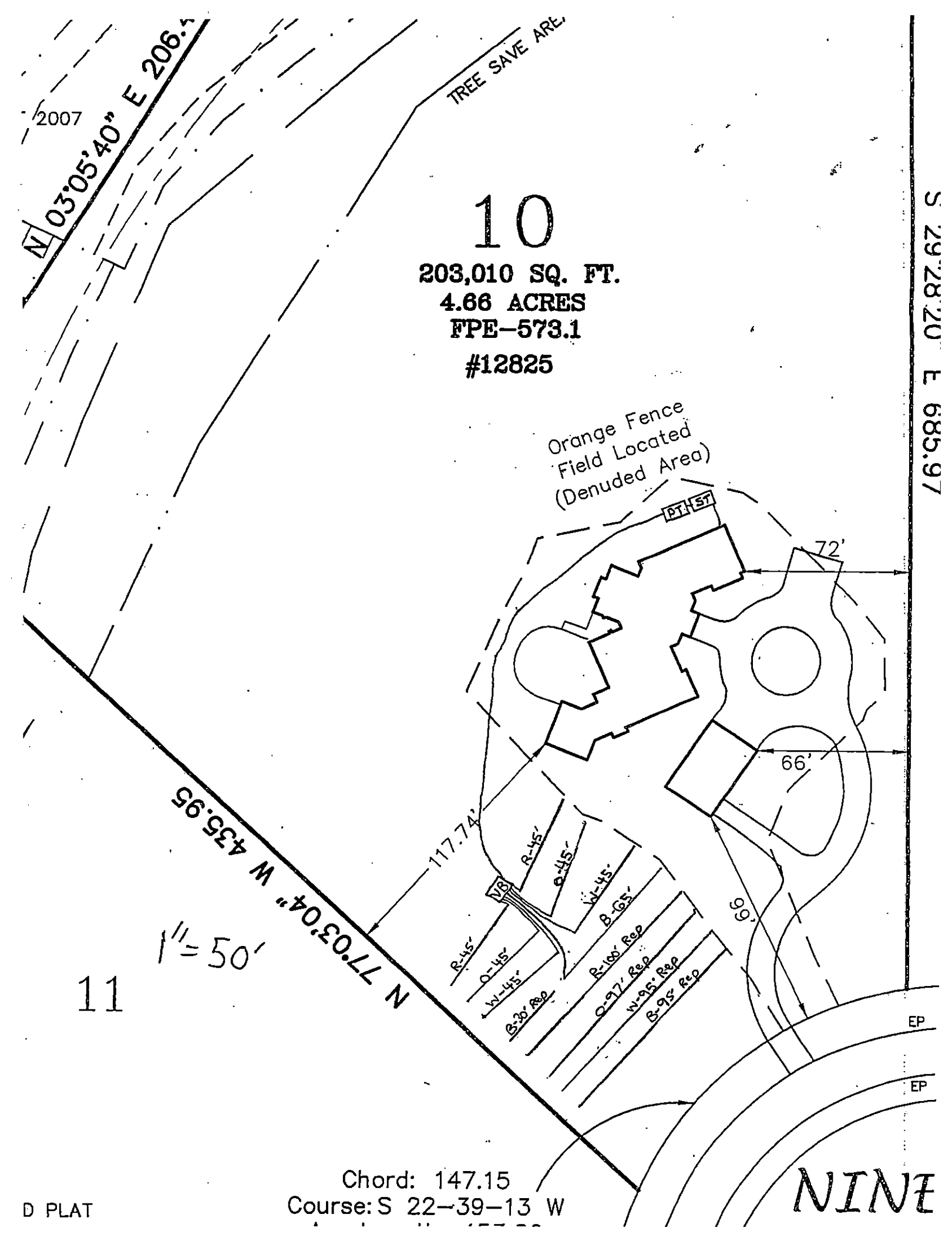
Spoke w/ Jason @ 201-6254
He will fax application in
PO Box 2665
Matthews

Design Specifications for Lot 10 at The Sanctuary
MCHD File # 5545B

Daily Design Flow:	600 gpd
Number Bedrooms:	5 bdr.
Basement or Crawlspace:	Crawl Space
Septic Tank Size:	1500 gal
Pump Tank Size:	1500 gal
Primary System Loading Rate:	**0.3 gpd/ft^2**
Primary System:	**LP PPBPS**
Number and length of laterals:	3 lines @ 90 ft. centerfed (6 lines @ 45 ft.) 1 line @ 65 ft. endfed
Total ft. of primary system:	335 ft. (334 ft. required)
Number of T&J Panels:	6 lines @ 45 ft., 10 panels each (60 total) 1 line @ 65 ft., 15 panels Total of 75 panels
Flow Rate through system:	37.5 gpm – use 5/32 in. holes with 3 ft. head pressure
Pump Requirements:	to be calculated by installer when specific house and pump tank locations are available
Dosing Volume:	approx. 270 gal. – (3.6 gal per panel)* 2.22 doses/day
Depth of effluent pumped per dose:	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Check Valve:	yes
Siphon break hole:	yes
Repair System Loading Rate:	0.3 gpd/ft^2
Repair System:	LP PPBPS
Total ft. of repair	417 ft. (267 ft. required)

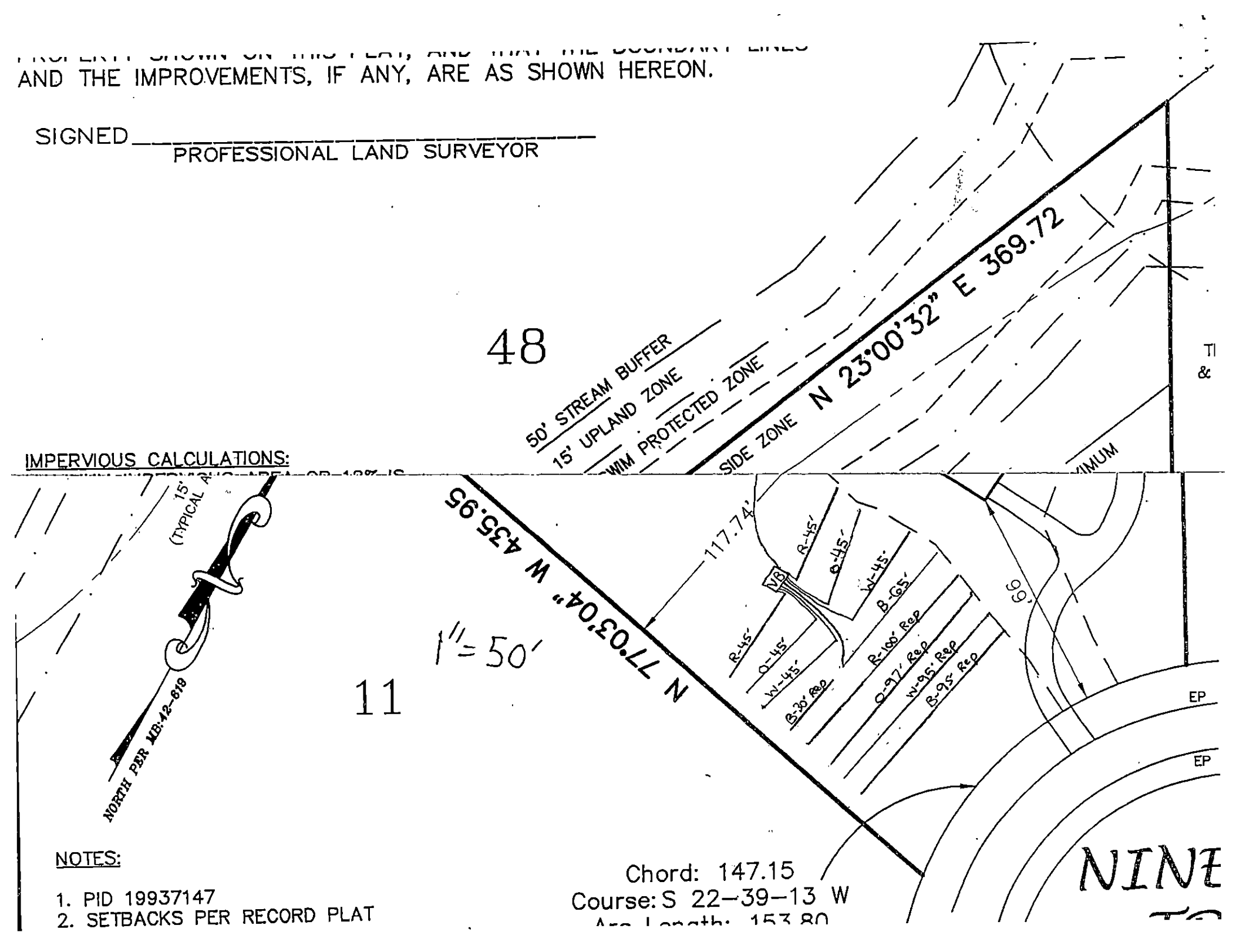
Notes: Before placement of cap block, one panel on each line, near the center of the field should be observed filling to make certain that it does not overflow the top chamber into the air chambers. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

PPBPS Design Worksheet							File #:	5545B
							Tax #:	
System Requirements							Address:	Lot 10 - The Sanctuary
Design Flow	600	gpd						
LTAR	0.300	gpd/ft.^2					Consultant:	Jacob Presley - S&ME, Inc.
Linear footage	667	ft. (conventional)					Phone:	336-288-7180
Linear footage	333	ft. (50% Reduction)						
							Reviewed By:	TCT ✓
Design Layout							Date:	1-22-08
Laterals	Length (ft)	# Panels	Calculated					
Line # 1	45	10	10.38		T & J Panels			
Line # 2	45	10	10.38		Linear Feet	# Panels		
Line # 3	45	10	10.38		20	5		
Line # 4	45	10	10.38		30	7		
Line # 5	45	10	10.38		40	9		
Line # 6	45	10	10.38		50	11		
Line # 7	65	15	15.00		60	14		
Line # 8	0	0	0.00					
Line # 9	0	0	0.00		70	16		
Totals	335	75	77.31					
Absorption Area								
Length (ft)	Width (ft)	Area (ft^2)						
335	3	1,005						
System Pressure Head	3	ft.	Value selected by system designer (must be between 2-5 ft.)					
Orifice Diameter	5/32	in.	Size selected by system designer (1/8 in. minimum)					
Flow Rate per Orifice	0.5	gpm	Determined from orifice flow design table (use table from Flow Rate tab)					
Total System Flow Rate	37.5	gpm	Total number of panels required multiplied by the orifice flow rate					
System Dose Volume	270.00	gal.	Total number of panels required multipled by 3.6 gal./panel					
Doses Per Day	2.22	cycles	Number of dose cycles per day based on daily design flow					
Pump Run Time	7.20	min.	System dose volume divided by the total system flow rate					
Pump Tank Volume / Inch	29	gal./in.	1,000 gal. Pump tank, volume is approximately 21 gallons per inch. 1,500 gal. pump tank, volume is approximately 29 gallons per inch					
Pump Tank Drawdown	9.31	in.	Depth of effluent pumped per dose cycle.					
Comments:								
1. Install system using 3 ft. wide trenches.								
2. Install drainlines on 9 ft. centers, level, and on contour.								
3. System design requires effluent pump for distribution.								


2007
N 03°05'40" E 206.
TREE SAVE ARE
10
203,010 SQ. FT.
4.66 ACRES
FPE-573.1
#12825
S 29°28'20" E 685.97
Orange Fence
Field Located
(Denuded Area)
PT
ST
72'
66'
99'
117.74'
N 77°03'04" W 435.95
VB
R-45'
O-45'
W-45'
B-65'
R-45'
O-45'
W-45'
B-20' Rep
R-100' Rep
O-97' Rep
W-95' Rep
B-95' Rep
EP
EP
1"=50'
11
Chord: 147.15
Course: S 22-39-13 W
D PLAT
NINE

AND THE IMPROVEMENTS, IF ANY, ARE AS SHOWN HEREON.

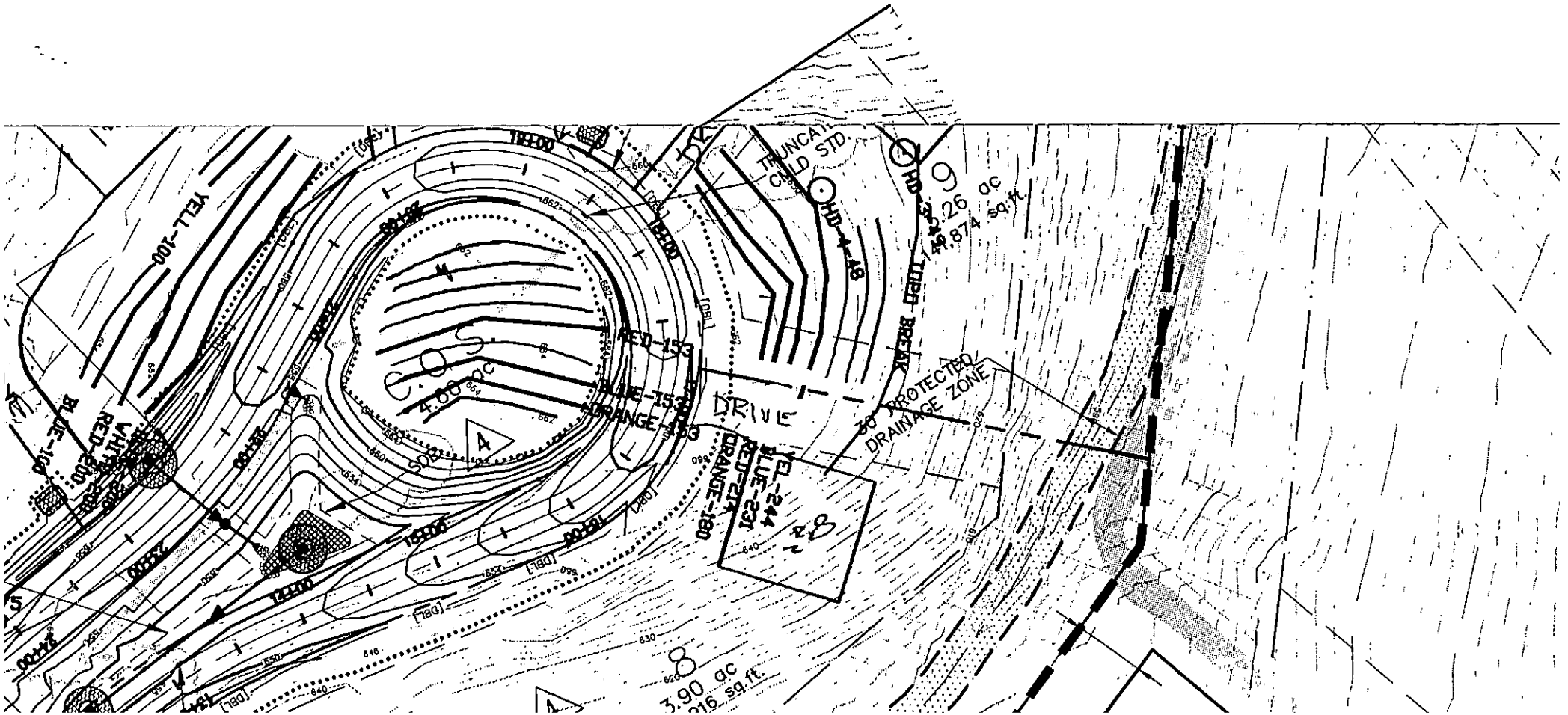
SIGNED _____
PROFESSIONAL LAND SURVEYOR



NOTES:

1. PID 19937147
2. SETBACKS PER RECORD PLAT

Chord: 147.15
Course: S 22-39-13 W


C.O.S.
4.00 ac
TRUNCATED
CMLD STD.
HID-4-48
HID-4-48
9
2.26 ac
49,874 sq.ft.
TIDE BREAK
30' PROTECTED
DRAINAGE ZONE
DRIVE
RED-153
BLUE-153
ORANGE-153
YELLOW-153
RED-231
BLUE-231
ORANGE-180
YELLOW-180
RED-200
WHITE-200
BLUE-150
YELLOW-100
8
3.90 ac
169,916 sq.ft.
A
A
A
A
5
8

Final Inspection Check List

File #: 5345B
Date: 4/23/08
Inspected By: CMS

Septic Tank

Tank construction PCC

Septic tank installed in correct orientation and is level? Yes ☑ No ☐

Septic tank is in good condition with no visible defects or leaks? Yes ☑ No ☐

Septic tank stamped with appropriate markings? Yes ☑ No ☐

Id Number: STB 444 Date: 12/6/07 Size: 1500 Gallons

Lids present and in good condition? Yes ☑ No ☐

Tank air vent unobstructed? Yes ☑ No ☐

Baffle wall with 4" opening unobstructed? Yes ☑ No ☐

Effluent filter installed correctly in tank? Yes ☑ No ☐

Outlet pipe has a watertight seal with cast in place boot and clamp? Yes ☑ No ☐

1/8" per ft. of fall on outlet pipe? Yes ☐ No ☐

Risers used appropriately if required? Yes ☑ No ☐

Pump Tank (If Applicable)

Pump tank installed with riser above grade and is level? Yes ☑ No ☐

Pump tank is in good condition with no visible defects or leaks? Yes ☑ No ☐

Inlet pipe properly sealed/grouted? Yes ☑ No ☐

Discharge pipe properly sealed/grouted? Yes ☑ No ☐

Pump tank stamped with appropriate markings? Yes ☑ No ☐

Id Number: PT 477 Date: 3/10/08 Size: 1500 Gallons

Lids present and in good condition? Yes ☑ No ☐

Pump installed in tank? Yes ☑ No ☐

Pump Make GOULDS Model WE0512HU

Control floats installed correctly? Yes ☑ No ☐

Check valve installed correctly? Yes ☑ No ☐

Gate valve installed on discharge piping? Yes ☑ No ☐

Discharge pipe size? 2 in.

Nema 4X control panel used? Yes ☑ No ☐

Electrical conduits sealed from gas entry? Yes ☑ No ☐

Distribution Box (If Applicable)

1/8" per ft. of fall on inlet pipe? Yes ☐ No ☐

Distribution box installed at least 2' from septic tank? Yes ☐ No ☐

Distance from tank outlet _____ ft.

Distribution box and lid in good condition? Yes ☐ No ☐

D-box level and stable? Yes ☐ No ☐

Inlet and outlet/s properly sealed and watertight? Yes ☐ No ☐

Speed levels present and adjusted properly? Yes ☐ No ☐

Pressure Manifold (If Applicable)

Manifold material, Schedule 80 PVC

Manifold diameter 4 in.

Size of taps 1/2 in. / Number of taps 5

Shutoff valves provided for each tap? Yes ☑ No ☐

Cleanout installed and accessible? Yes ☑ No ☐

Access provided to set head pressure? Yes ☑ No ☐

Gate valve installed to regulate flow through manifold? Yes ☑ No ☐

Location of valve: AT PM

Manifold housed in appropriate enclosure? Yes ☑ No ☐

Manifold installed level and secured to enclosure? Yes ☑ No ☐

Pressure head set to 2 ft.

Drainfield (Conventional)

Number of lines installed _____

Total length of drainline installed _____ft.

Trench width _____ft.

Trench spacing O.C. _____ft.

Trench depth _____in.

Tire Chips Used? Yes ☐ No ☐

Geotextile fabric in place? Yes ☐ No ☐

Depth of stone / tire chips _____in.

Distance from house _____ft.

Distance from property lines: Left _____ft. Right _____ft. Front _____ ft. Rear _____ft.

Distance from well _____ft.

Drainlines installed level and on contour? Yes ☐ No ☐

Drainfield (Innovative 25% Reduction)

Number of lines installed 5

Total length of drainline installed 500 ft.

Trench width 3 ft.

Trench spacing O.C. 9 ft.

Trench depth 30 in.

Protective barrier installed over polystyrene? Yes ☐ No ☑ INFILTRATOR

Distance from house 25 ft.

Distance from property lines: Left 10 ft. Right 10+ ft. Front 10+ ft. Rear 10+ ft.

Distance from well N/A ft.

Drainlines installed level and on contour? Yes ☑ No ☐

Drainfield (PPBPS 50% Reduction)

Number of lines installed _____

Total length of drainline installed _____ft.

Trench width _____ft.

Trench spacing O.C. _____ft.

Trench depth _____in.

6" sand bed on trench bottom? Yes ☐ No ☐

Correct type & amount of sand installed inside panels? Yes ☐ No ☐

Distance from house _____ft.

Distance from property lines: Left _____ft. Right _____ft. Front _____ ft. Rear _____ft.

Distance from well _____ft.

Drainlines installed level and on contour? Yes ☐ No ☐

Grade Shots with Level

Trench #: 1

Shot #	Reading
1	5'1"
2	"
3	"
4	"

Trench #: 2

Shot #	Reading
1	6'3"
2	"
3	"
4	"

Trench #: 3

Shot #	Reading
1	6'11"
2	"
3	"
4	"

Trench #: 4

Shot #	Reading
1	7'7"
2	"
3	"
4	"

Trench #: 5

Shot #	Reading
1	8'3"
2	"
3	"
4	"

Trench #: ___

Shot #	Reading

Trench #: ___

Shot #	Reading

Trench #: ___

Shot #	Reading

Trench #: ___

Shot #	Reading