

10510 SWEETLEAF PL

19937127

1/8/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: **5393B**

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:

0.33 Long-term acceptance rate (GPD/ft^2)	**600** Max gallons/day wastewater flow	**909** Absorption Area (ft^2)	**8** Trench spacing (min. on centers) (ft)
Serviced by private well: ☐ Yes ☒ No	**1500** Gallon septic tank	**303** 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: **No** Type: Minimum separation distance (ft):

Additional conditions: **Install According to plans on file submitted by Toney Jacobs and associates. Maintenance contract with certified operator must be submitted before CO release.**

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:

909 Absorption Area (ft^2) **303** Total trench length (ft)	**na** Depth of stone (in)	**8** 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 11, 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 50 at The Sanctuary:
MCHD file # 5393B

Crescent Resources is requesting an Improvement Permit for lot **50** at The Sanctuary Subdivision for a **5** bedroom, basement home. Mr. Bill Marlin of the MCHD evaluated the soils on 10-29-03 and determined the septic area is PS at an 0.3 gpd/ft^2 LTAR. Toney C. Jacobs and Associates, Inc. has flagged a PPBPS system on the lot and an off-site PPBPS repair on the COS across from 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 50 at

The Sanctuary, MCHD File # 5393B

System Type:	primary: repair:	PPBPS PPBPS
Daily design flow:		600 gpd
Septic tank size:		1500 gal. (2 compartments)
Pumping tank size:		1500 gal.
Effluent loading rate:		0.33 gpd/ft^2 for primary and repair
Number and length of laterals:		4@ 85 PPBPS (use 19 panel per line)
Flow rate through the system:		38 gpm –(use 3/16 inch holes with 2 ft. of head in LPP distribution lines in panels)
Pump requirements:		to be calculated by installer or owners agent when specific house and pump tank location are available
Dosing volume:		approx. 274 gal. – 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

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

Sheet: 1
Property ID: PO 199-371-03
Lot #: 50
File #: 5393B
Code: 2

AGS

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary at Lake Wylie
Applicant: Toney Jacobs
Address: 10933 Ballantyne Crossing Ave., Charlotte, N. c. 28277
Date Evaluated: 10/29/2003
Proposed Facility: Residence
Design Flow (.1949): 840gpd
Property Size: 1.0a. Inv.
Location of Site: Sweetleaf Place
Property Recorded:

Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
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 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-3	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		3-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-4	GR/CL	FR/SEXP/SS/SP	>49" TO SOIL WETNESS	49	"	"	"
		4-49	SBK/C	FI/SEXP/S/P					

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

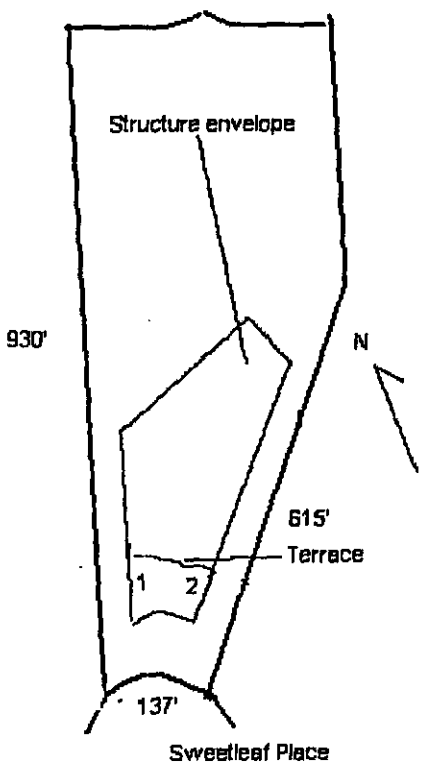
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 10/31/2003. W. R. Marlin
Others Present:

FILE # 5343B

COMMENTS: 100% repair

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



Dep
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 199-371-03
Lot #: 50, repair area
File #: 5393B
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Sanctuary at Lake Wylie
Address: 10933 ballantyne Crossing Ave., Charlotte, N. C. 28277
Proposed Facility: Residence Design Flow (.1949): 600gpd
Location of Site: Sweetleaf Place

Applicant: Toney Jacobs
Date Evaluated: 7/2/2004
Property Size: .3a inv.
Property Recorded:

Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
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 1941 Structure/ Texture	1941 Consistence Mineralogy	OTHER PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr. Horiz.	Profile Class & LTAR
1	LS, 8	0-3	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		3-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-2	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		2-48	SBK/C	FI/SEXP/S/P					
3	"	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					

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

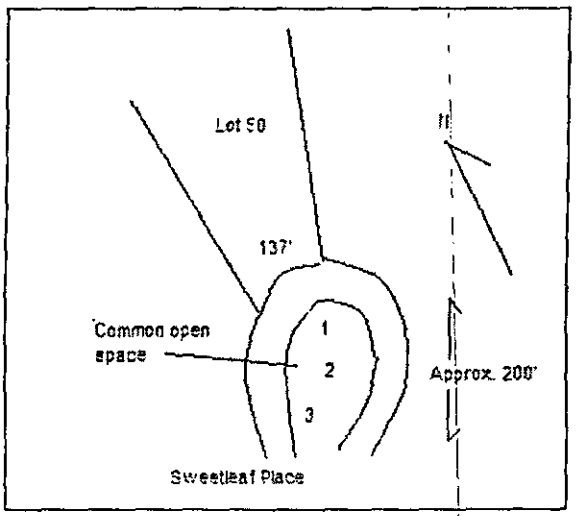
Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 7/7/2004, W. R. Marlin
Others Present:

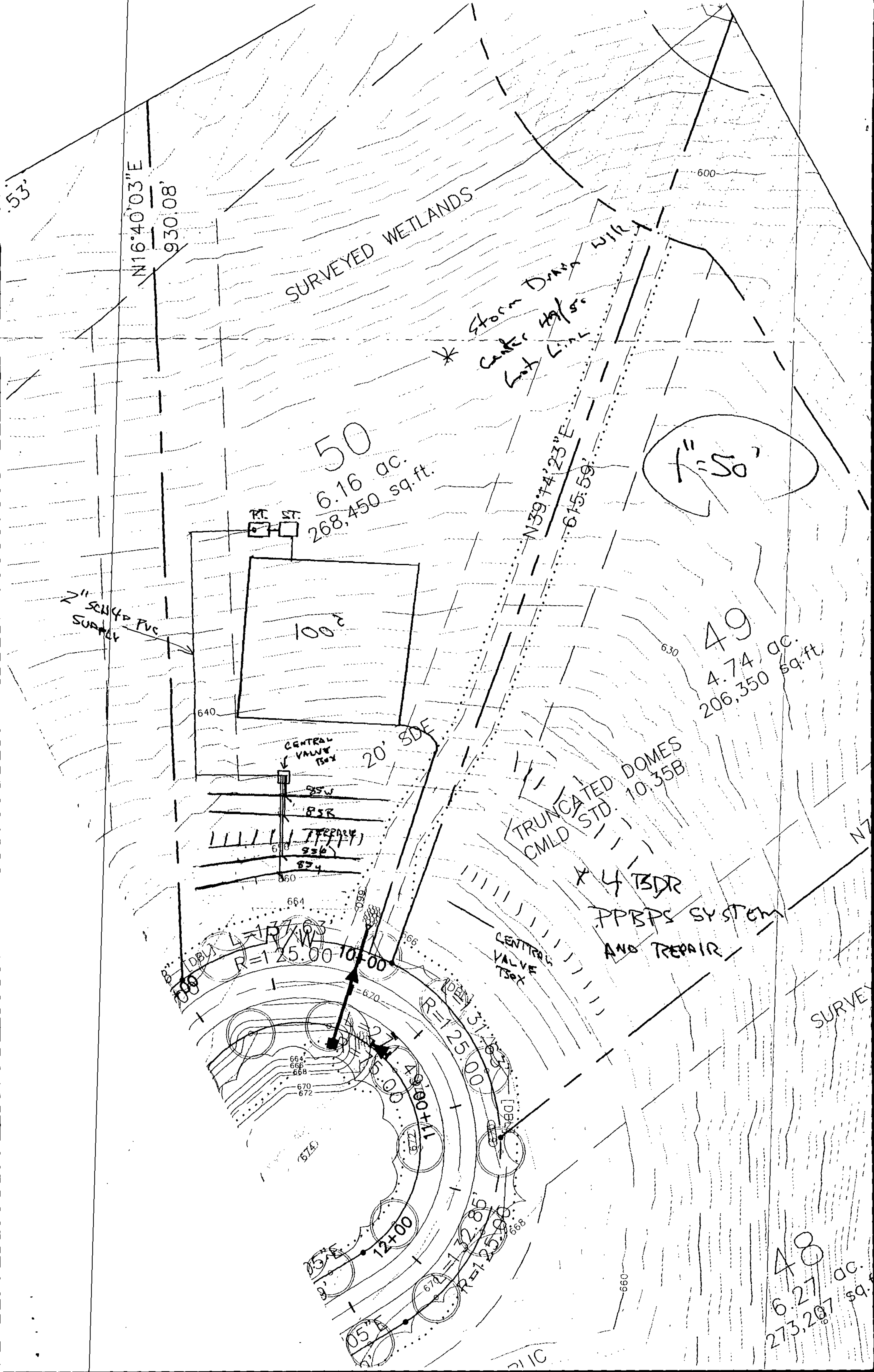
COMMENTS:
Repair area for lot 50 in common open space

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-Food 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





N16°40'03"E
930.08'
SURVEYED WETLANDS
* Storm Drain w/in Center 40' of Lot Line
50
6.16 ac.
268,450 sq.ft.
RT.
ST.
1" = 50'
N39°14'23"E
615.59'
2" SCH40 PVC SUPPLY
100'
49
4.74 ac.
206,350 sq.ft.
20' SDE
CENTRAL VALVE BOX
TRUNCATED DOMES
CMLD STD. 10.35B
* 4 BDR
PPBPS SYSTEM
AND REPAIR
CENTRAL VALVE BOX
L=137.63'
R=125.00
10+00
11+00
12+00
R=125.00
48
6.27 ac.
273,207 sq.ft.
SURVEYED WETLANDS
600
630
640
660
664
666
668
670
672
674

LEGEND
RW - RIGHT-OF-WAY

NOTES
ACREAGES ARE CALCULATED BY COORDINATE METHOD
BEARINGS BASED ON NC GRID-NAD 83 - SEC 97
ALL DISTANCES SHOWN ARE GROUND DISTANCES TO OBTAIN GRID DISTANCES USE THE GRID FACTOR OF 0.9998430
THIS PROPERTY LIES WITHIN THE LAKE WYLIE CRITICAL AND PROTECTIVE WATERSHED AREAS
AT THIS TIME, THIS PROPERTY IS LOCATED WITHIN THE CITY OF CHARLOTTE'S EXTRA TERRITORIAL JURISDICTION

THIS PLAT IS SUBJECT TO ANY EASEMENTS,AGREEMENTS,OR RIGHTS-OF-WAY OF RECORD PRIOR TO DATE OF THIS PLAT,WHICH WAS NOT VISIBLE AT THE TIME OF OUR INSPECTION.

GS 47-30(F)(11)(C1)
THIS SURVEY IS OF AN EXISTING PARCEL OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET

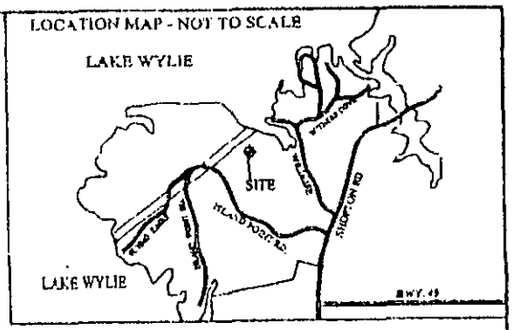
THIS SURVEY NOT INTENDED TO MEET GS47-30 REQUIREMENTS. THIS SURVEY WAS PERFORMED PER THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA WITH AN ERROR OF CLOSURE IN EXCESS OF 1:10,000.

PROPERTY CORNERS IDENTIFIED WERE LOCATED BY ACTUAL FIELD SURVEY. ALL DISTANCES ARE HORIZONTAL DISTANCES UNLESS OTHERWISE NOTED.

THIS MAP WAS PREPARED FOR THE PURPOSE OF RIGHT-OF-WAY OR EASEMENT ACQUISITION ONLY, AND IS NOT INTENDED TO BE A BOUNDARY SURVEY OF THE PROPERTY SHOWN

I, JOSEPH L. WHALEY JR., STATE THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY MADE BY YARBROUGH-WILLIAMS & HOULE, INC

LOCATION MAP - NOT TO SCALE



CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	275.00	75.14	74.90	S43°59'36"W	15°39'16"
C2	75.00	271.49	145.73	N24°28'39"W	207°24'14"
C3	198.61	30.03	30.00	S74°53'35"W	8°39'46"

NOW OR FORMERLY
THE SANCTUARY AT LAKE WYLIE, LLC.
DEED:16493-360

50

49

48

SWEETLEAF PLACE
FUTURE 50' PUBLIC R/W

N51°49'14"E
65.16'

C1

C2

PSDE

LOT 50A
NOW OR FORMERLY
THE SANCTUARY AT
LAKE WYLIE, LLC.
DEED:16493-360
TAX #199-091-50
26,065 SQUARE FEET
OR 0.598 ACRE

133' REPAIR

133' REPAIR

133' REPAIR

APPROX. LOCATION
SEPTIC DRAIN FIELD LINES

N30°23'39"W
75.01'

C3

98.45'
S79°13'28"W

SWEETLEAF PLACE
FUTURE 50' PUBLIC R/W

NOW OR FORMERLY
THE SANCTUARY AT LAKE WYLIE, LLC.
DEED:16493-360

0 25 50 100 150
GRAPHIC SCALE 1 inch = 50 ft.

MAP FOR: SEPTIC DRAIN FIELD EASEMENT
THE SANCTUARY AT LAKE WYLIE, LLC

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 50'	STEELE CREEK	MECK.	N.C.	

LOT 50A SEPTIC DRAIN FIELD EASEMENT
READING PROPERTY - .0.668 ACRES ON SWEETLEAF PLACE

SURVEYED
DRAWN BY JEW

YARBROUGH-WILLIAMS & HOULE, INC.
730 WINDSOR OAK COURT, CHARLOTTE, NC., 28273
PO BOX 7007 CHARLOTTE, N.C., 28241 704-556-1990

MAP RECORDED
DEED RECORDED

PRELIMINARY
NOT FOR RECORDATION, CONVEYANCES, OR SALES

Dep
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 199-371-03
Lot #: 50, repair area
File #: 5393B
Code: 1

ACS
PO

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Owner: Sanctuary at Lake Wylie
Applicant: Toney Jacobs
Address: 10933 ballantyne Crossing Ave., Charlotte, N. C. 28277
Date Evaluated: 7/2/2004
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: .3a inv.
Location of Site: Sweetleaf Place
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
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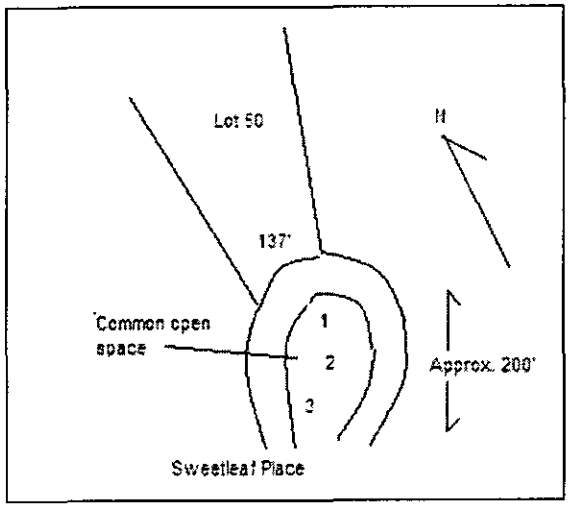
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Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

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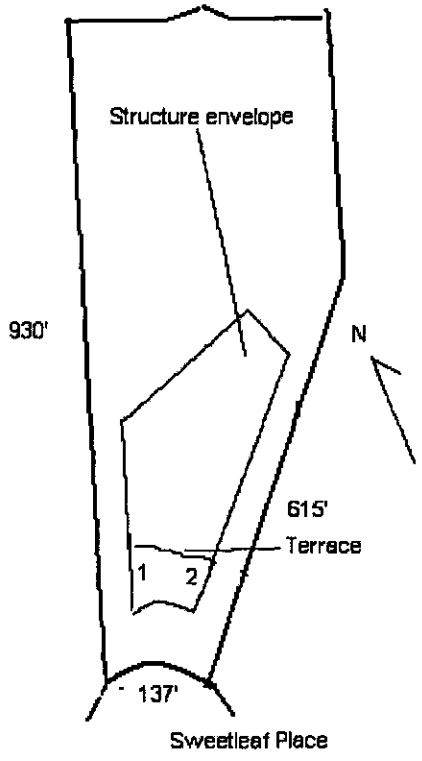
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Others Present:

FILE # 5343B

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		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
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M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



FEE: 200.00 CK# 1963

DATE: 9/24/03

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

#10 Granite Pt 3/04

[ ] CRT

TYPE 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 #: 53938

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 139-371-03 PT

STREET ADDRESS: Island Point Rd

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

LOT NUMBER: 50

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

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS:

NUMBER OF OCCUPANTS:

CLOSING DATE_____

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

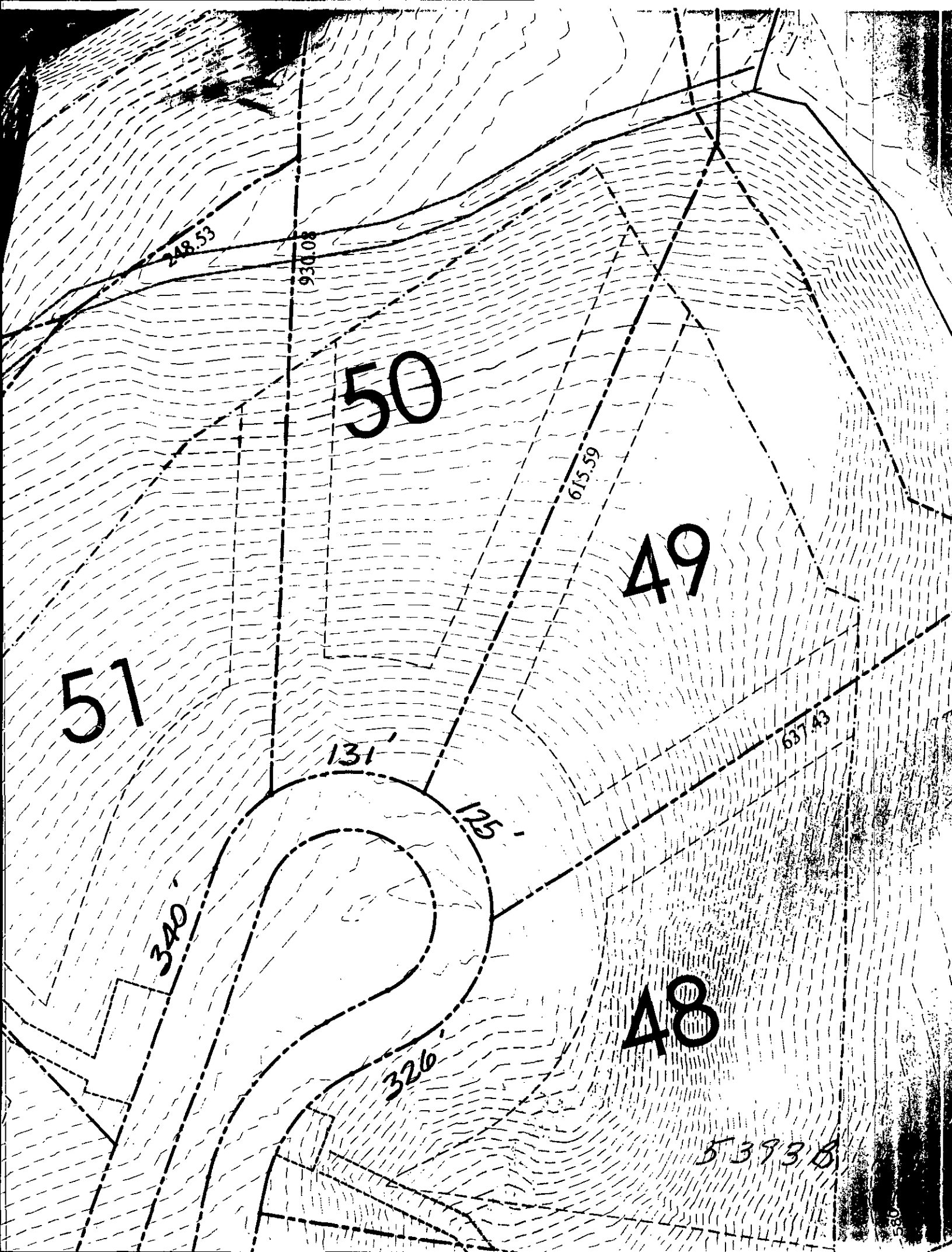
m 704 582 9219

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: 9/22/03

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


248.53
930.08
50
615.59
49
51
637.43
131'
125'
340'
326'
48
5383B
580

PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 5393B

TC: _____

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.

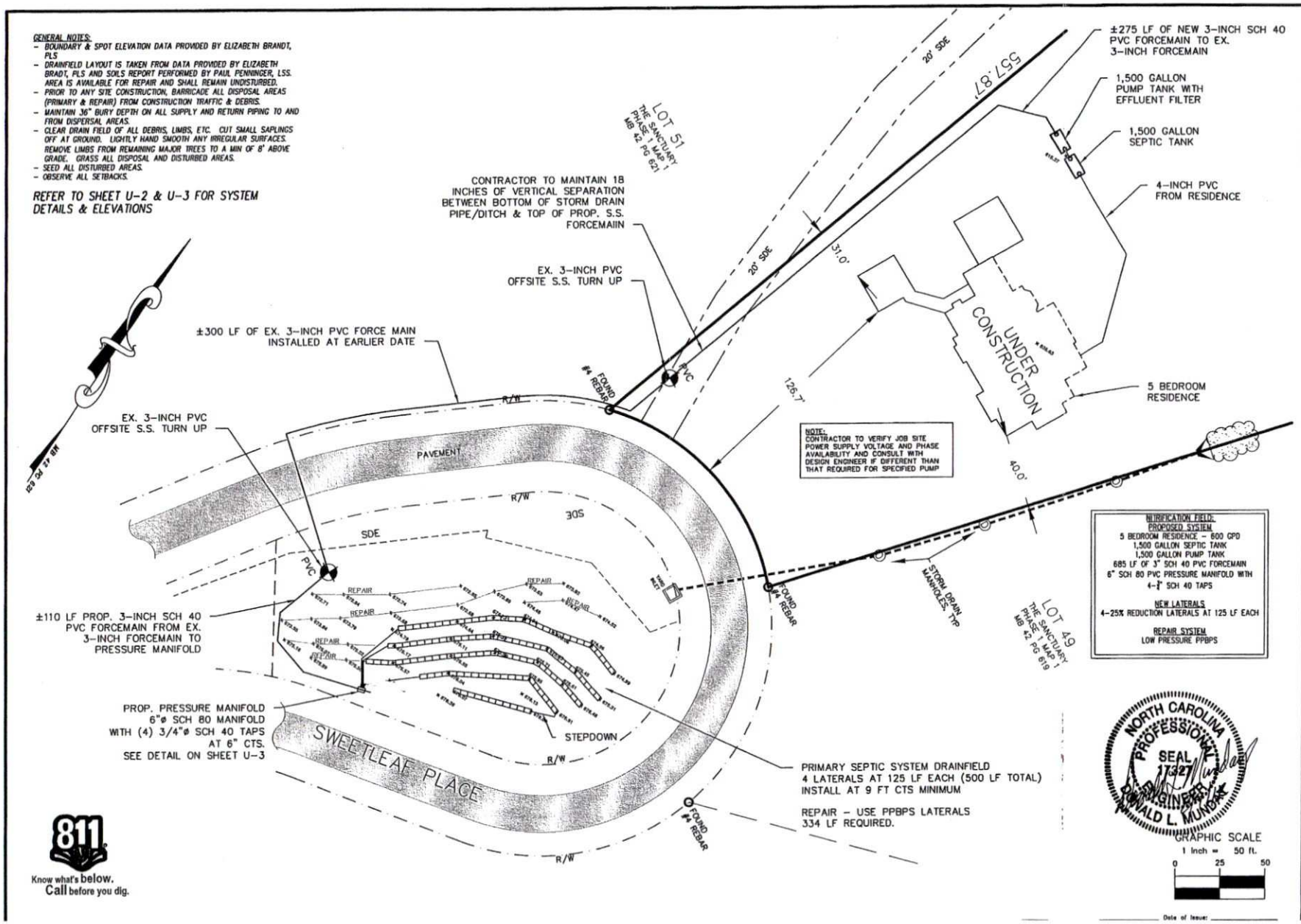
"See Attached"

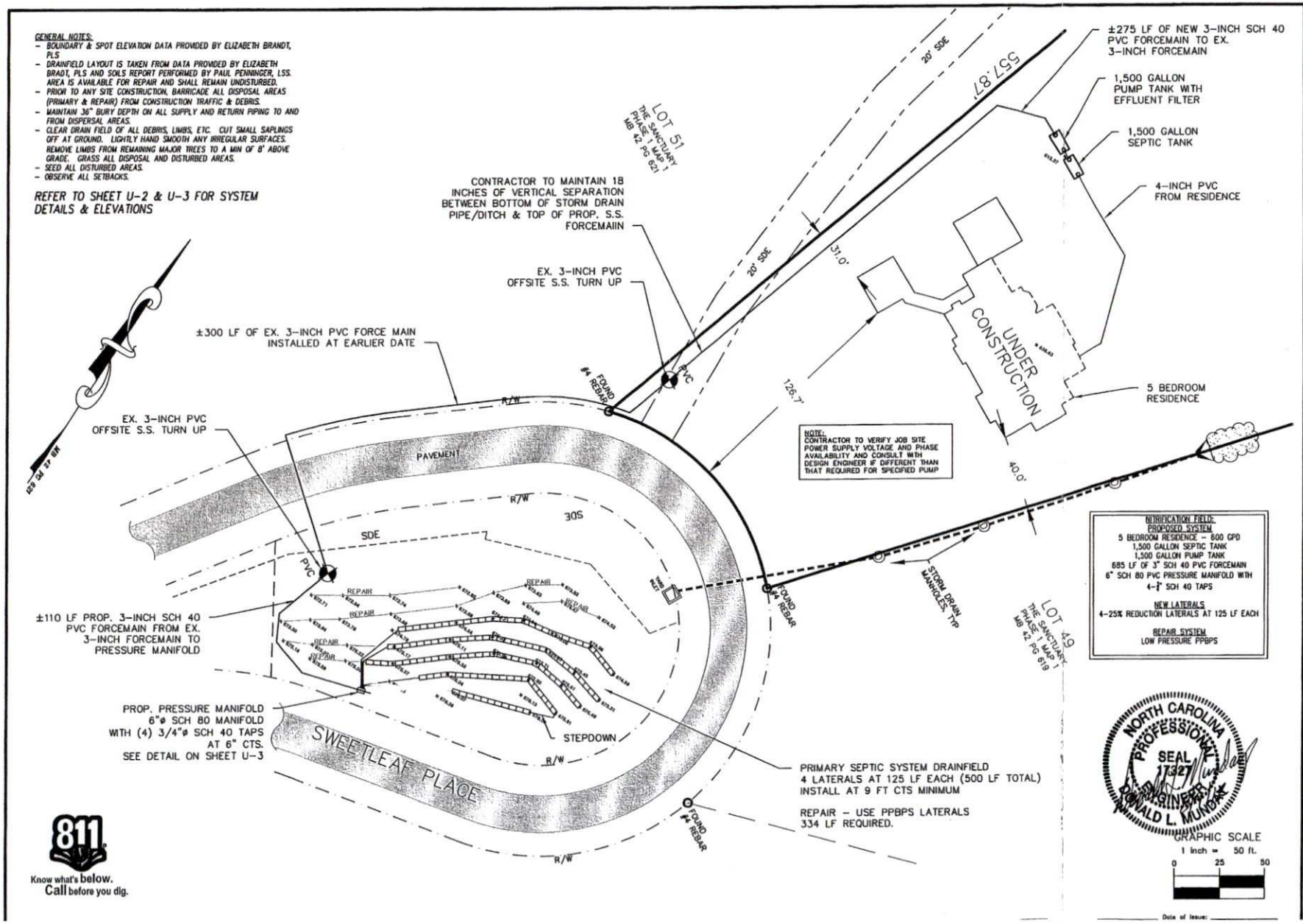
OWNER/AGENT SIGNATURE

DATE 9/22/03

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy


GENERAL NOTES:
- BOUNDARY & SPOT ELEVATION DATA PROVIDED BY ELIZABETH BRANDT, PLS
- DRAINFIELD LAYOUT IS TAKEN FROM DATA PROVIDED BY ELIZABETH BRADT, PLS AND SOILS REPORT PERFORMED BY PAUL PENNINGER, LSS. AREA IS AVAILABLE FOR REPAIR AND SHALL REMAIN UNDISTURBED.
- PRIOR TO ANY SITE CONSTRUCTION, BARRICADE ALL DISPOSAL AREAS (PRIMARY & REPAIR) FROM CONSTRUCTION TRAFFIC & DEBRIS.
- MAINTAIN 36" BURY DEPTH ON ALL SUPPLY AND RETURN PIPING TO AND FROM DISPERSAL AREAS.
- CLEAR DRAIN FIELD OF ALL DEBRIS, LIMBS, ETC. CUT SMALL SAPLINGS OFF AT GROUND. LIGHTLY HAND SMOOTH ANY IRREGULAR SURFACES. REMOVE LIMBS FROM REMAINING MAJOR TREES TO A MIN OF 8' ABOVE GRADE. GRASS ALL DISPOSAL AND DISTURBED AREAS.
- SEED ALL DISTURBED AREAS.
- OBSERVE ALL SETBACKS.
REFER TO SHEET U-2 & U-3 FOR SYSTEM DETAILS & ELEVATIONS
LOT 51 THE SANCTUARY PHASE 1 MAP 1 MB 42 PG 621
CONTRACTOR TO MAINTAIN 18 INCHES OF VERTICAL SEPARATION BETWEEN BOTTOM OF STORM DRAIN PIPE/DITCH & TOP OF PROP. S.S. FORCEMAIIN
EX. 3-INCH PVC OFFSITE S.S. TURN UP
±300 LF OF EX. 3-INCH PVC FORCE MAIN INSTALLED AT EARLIER DATE
FOUND #4 REBAR
PVC
20' SDE
S57.87'
±275 LF OF NEW 3-INCH SCH 40 PVC FORCEMAIN TO EX. 3-INCH FORCEMAIN
1,500 GALLON PUMP TANK WITH EFFLUENT FILTER
1,500 GALLON SEPTIC TANK
4-INCH PVC FROM RESIDENCE
31.0'
126.7'
UNDER CONSTRUCTION
5 BEDROOM RESIDENCE
40.0'
NOTE:
CONTRACTOR TO VERIFY JOB SITE POWER SUPPLY VOLTAGE AND PHASE AVAILABILITY AND CONSULT WITH DESIGN ENGINEER IF DIFFERENT THAN THAT REQUIRED FOR SPECIFIED PUMP
NITRIFICATION FIELD:
PROPOSED SYSTEM
5 BEDROOM RESIDENCE - 600 GPD
1,500 GALLON SEPTIC TANK
1,500 GALLON PUMP TANK
685 LF OF 3" SCH 40 PVC FORCEMAIN
6" SCH 80 PVC PRESSURE MANIFOLD WITH
4-1" SCH 40 TAPS
NEW LATERALS
4-25% REDUCTION LATERALS AT 125 LF EACH
REPAIR SYSTEM
LOW PRESSURE PPBPS
EX. 3-INCH PVC OFFSITE S.S. TURN UP
PAVEMENT
R/W
SDE
30S
REPAIR
±110 LF PROP. 3-INCH SCH 40 PVC FORCEMAIN FROM EX. 3-INCH FORCEMAIN TO PRESSURE MANIFOLD
PROP. PRESSURE MANIFOLD 6"ø SCH 80 MANIFOLD WITH (4) 3/4"ø SCH 40 TAPS AT 6" CTS. SEE DETAIL ON SHEET U-3
STEPDOWN
SWEETLEAF PLACE
PRIMARY SEPTIC SYSTEM DRAINFIELD 4 LATERALS AT 125 LF EACH (500 LF TOTAL) INSTALL AT 9 FT CTS MINIMUM
REPAIR - USE PPBPS LATERALS 334 LF REQUIRED.
STORM DRAIN MANHOLES TYP
LOT 49 THE SANCTUARY PHASE 1 MAP 1 MB 42 PG 619
FOUND #4 REBAR
NORTH CAROLINA PROFESSIONAL SEAL 17327 ENGINEER DONALD L. MUNDAY
GRAPHIC SCALE
1 inch = 50 ft.
0 25 50
Date of Issue:
Know what's below. Call before you dig.
PIEDMONT DESIGN Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive Mooresville, North Carolina 28115 Phone:(704) 664-1788 Fax:(704) 664-1778 www.pdapa.com
PREPARED FOR:
KINGSWOOD HOMES
106 OAKLEY AVENUE, SUITE 100
CHARLOTTE, NC 28134
(704) 889-1600
SEPTIC SYSTEM SITE PLAN
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA
REVISIONS BY
Date: 8/6/12
Scale: 1"=50 FT
Drawn: DMD
Checked: DLM
Job: 2012-08-02
Sheet U-1



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Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
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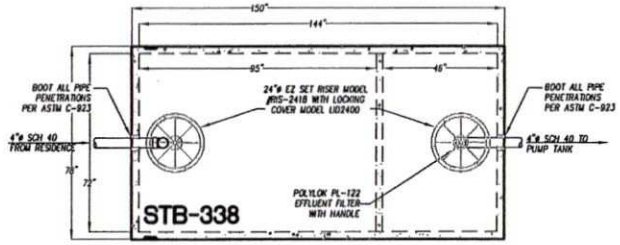
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SEPTIC SYSTEM SITE PLAN
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

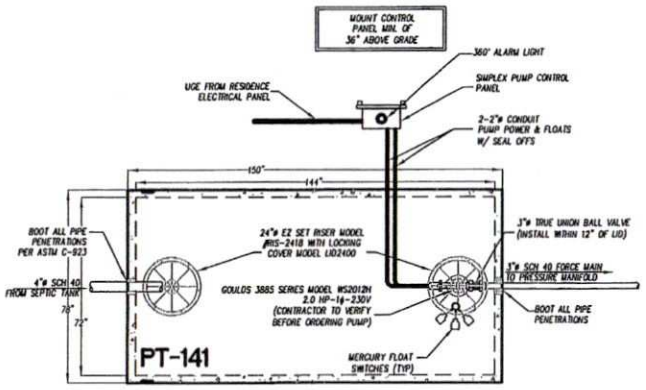
REVISIONS	BY

Date: 8/6/12
Scale: 1"=50 FT
Drawn: DMD
Checked: DLM
Job: 2012-08-02
Sheet U-1
of 2 Sheets

SEE SHEET U-1
FOR SYSTEM LAYOUT



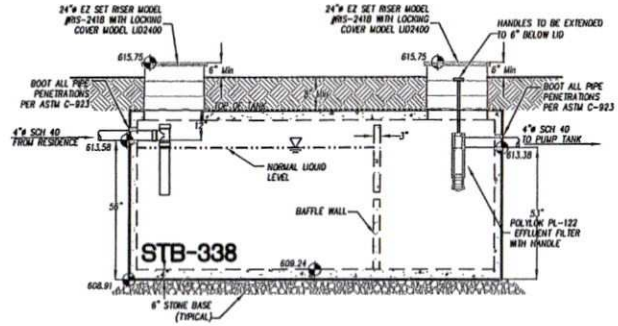
Plan View–DEH Approved 1,500 Gal Septic Tank
N.T.S. STB-330



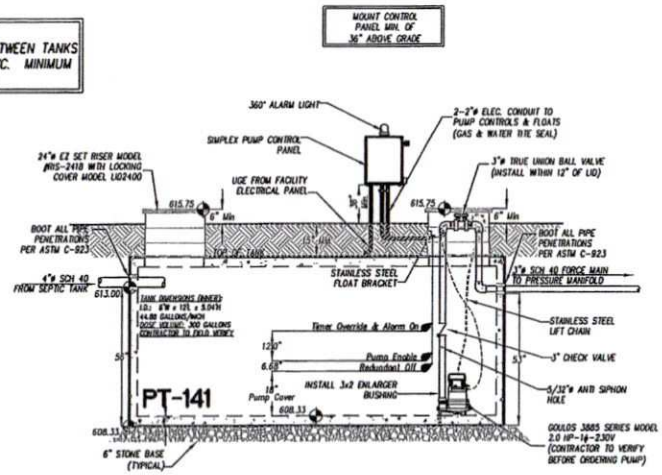
Plan View–DEH Approved 1,500 Gal Pump Tank
N.T.S. PT-141

RISER & LID NOTE:
RISERS TO BE CAST IN PLACE AT TIME OF TANK CONSTRUCTION AND MEET THE REQUIRED APPROVAL FOR THE SPECIFIED RISER. ALL TANK ACCESS LIDS MUST HAVE BOLT DOWN OR LOCKING CAPABILITY.

NOTE:
ALL GRAVITY PIPE BETWEEN TANKS SHALL BE SCH 40 PVC. MINIMUM SLOPE SHALL BE 2%



Section View–DEH Approved 1,500 Gal Septic Tank
N.T.S. STB-338



Section View–DEH Approved 1,500 Gal Pump Tank
N.T.S. PT-141

Tank Elevations

NOTE: TANK DIMENSIONS & ELEVATIONS BASED ON DELLINGER PRECAST (704-483-2868). OTHER STATE APPROVED TANKS MAY BE SUBSTITUTED BUT NOT WITHOUT PRIOR APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL VERIFY DIMENSIONS AND ADJUST GRADES AND FLOAT SETTINGS AS REQUIRED TO CAUSE FLOW AND DOSING AS CALLED FOR.

NORTH CAROLINA PROFESSIONAL SEAL 032727 ENGINEER DONALD L. MUNDAY

811 Know what's below. Call before you dig.

Location: Date of Issue:

PIEDMONT DESIGN Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive Mooresville, NC 28115
Phone:(704) 664-7888 Fax:(704) 664-7778 www.pdesa.com

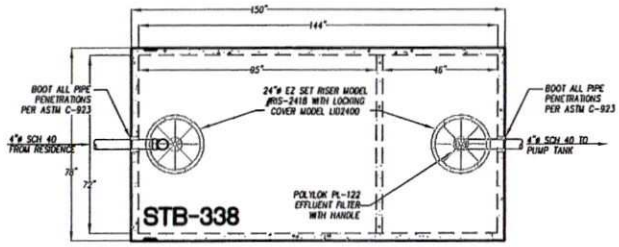
PREPARED FOR:
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CHARLOTTE, NC 28134
(704) 889-1600

SEPTIC SYSTEM TANK PLAN/PROFILE
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

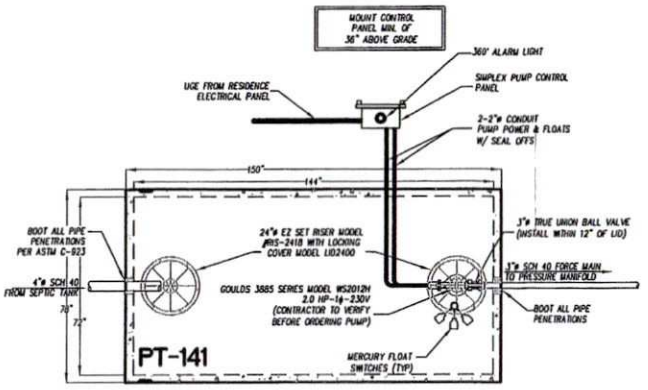
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Date: 8/7/12
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Job: 2012-08-02
Sheet: U-2
of 3 Sheets

SEE SHEET U-1
FOR SYSTEM LAYOUT



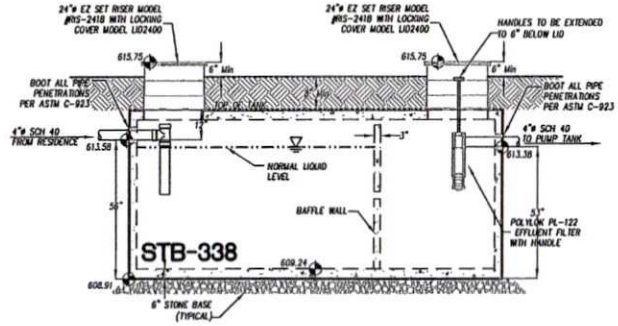
Plan View–DEH Approved 1,500 Gal Septic Tank
N.T.S. STB-338



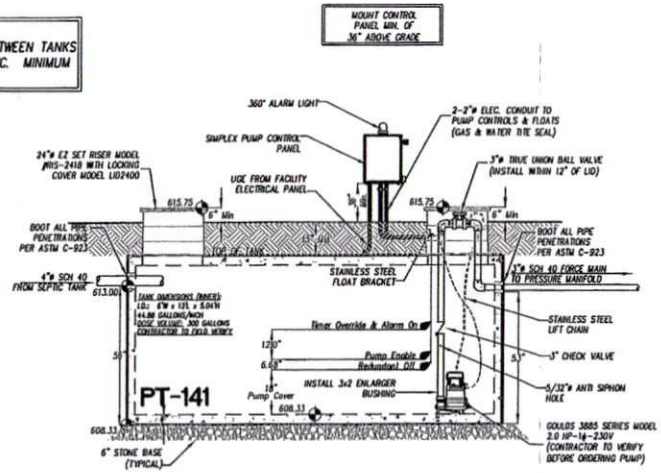
Plan View–DEH Approved 1,500 Gal Pump Tank
N.T.S. PT-141

RISER & LID NOTES:
RISERS TO BE CAST IN PLACE AT TIME OF TANK CONSTRUCTION AND MEET THE REQUIRED APPROVAL FOR THE SPECIFIED RISER. ALL TANK ACCESS LIDS MUST HAVE BOLT DOWN OR LOCKING CAPABILITY.

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Section View–DEH Approved 1,500 Gal Septic Tank
N.T.S. STB-338



Section View–DEH Approved 1,500 Gal Pump Tank
N.T.S. PT-141

NORTH CAROLINA PROFESSIONAL SEAL 033271 ENGINEER DONALD L. MUNDY

811 Know what's below. Call before you dig.

Tank Elevations

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Suite 101 Woodfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone: (704) 664-7880 Fax: (704) 664-7778 www.pdapa.com

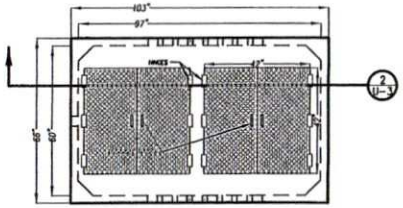
PREPARED FOR:
KINGSWOOD HOMES
105 OAKLEY AVENUE, SUITE 100
CHARLOTTE, NC 28134
(704) 889-1600

SEPTIC SYSTEM TANK PLAN/PROFILE
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

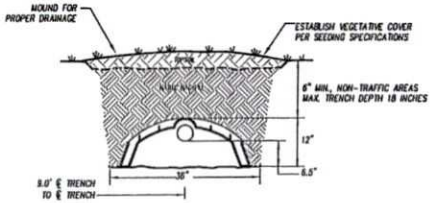
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Sheet: U-2
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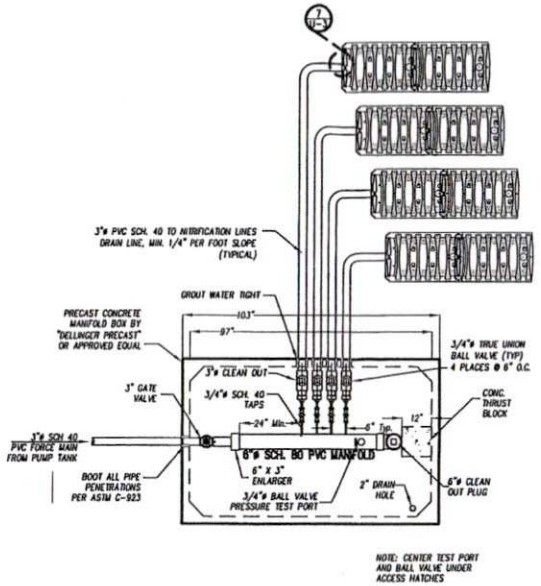
REFER TO SPECIFICATION PACKAGE FOR MATERIALS SELECTION AND INSTALLATION REQUIREMENTS



1 / U-3 Plan View – Pressure Manifold Vault Lid
N.T.S.

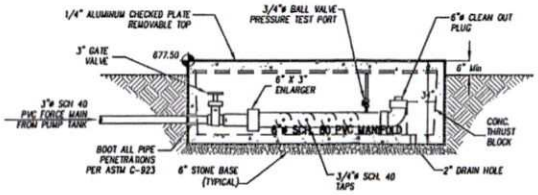


7 / U-3 Gravelless Chamber Nitrification Trench Typical Section View
N.T.S.

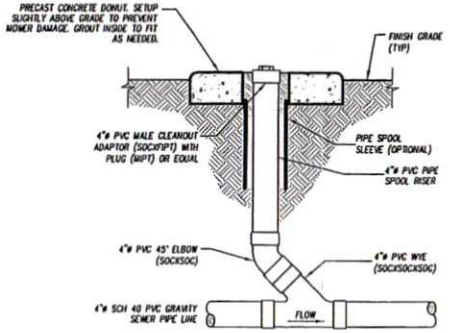


NOTE: CENTER TEST PORT AND BALL VALVE UNDER ACCESS HATCHES

Plan View – Pressure Manifold Vault
N.T.S.

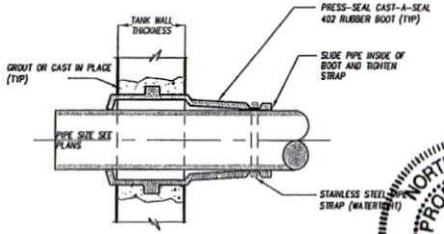


2 / U-3 Section View – Pressure Manifold Vault
N.T.S.



NOTE: ALL PVC FITTINGS SHOWN ARE SCH 40 RATED

Cleanout Detail
N.T.S.



Pipe Penetration Detail
N.T.S.

NORTH CAROLINA PROFESSIONAL SEAL 17327 ENGINEER DONALD H. MUNDAY

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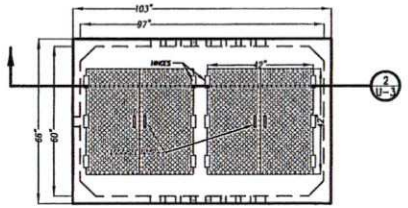
SEPTIC SYSTEM DETAILS
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

REVISIONS	BY

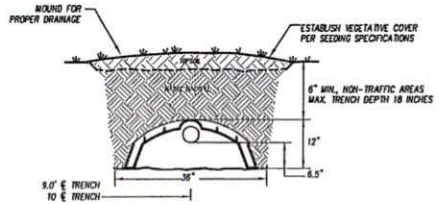
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Sheet: U-3

Location: _____ Date of Issue: _____

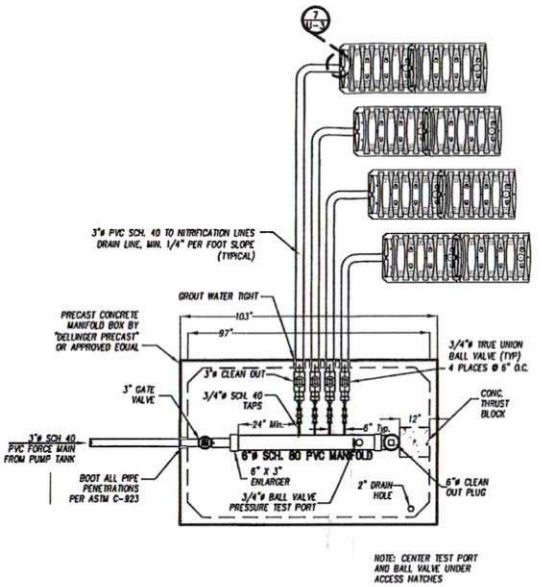
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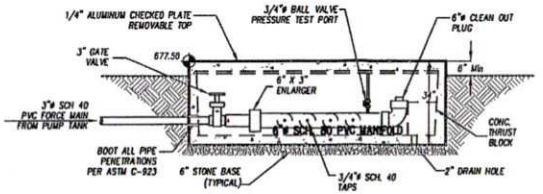
1 U-3 Plan View – Pressure Manifold Vault Lid
N.T.S.



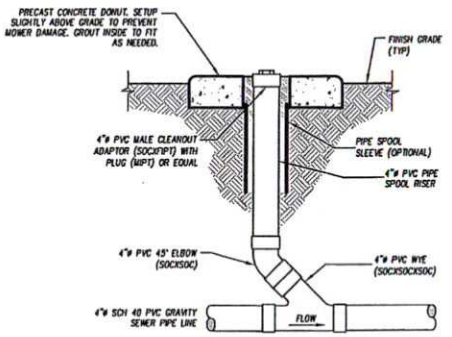
7 U-3 Gravelless Chamber Nitrification Trench Typical Section View
N.T.S.



Plan View – Pressure Manifold Vault
N.T.S.

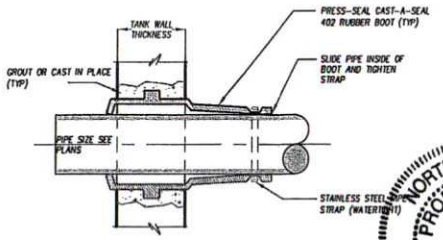


2 U-3 Section View – Pressure Manifold Vault
N.T.S.



NOTE: ALL PVC FITTINGS SHOWN ARE SCH 40 RATED

Cleanout Detail
N.T.S.



Pipe Penetration Detail
N.T.S.

NORTH CAROLINA PROFESSIONAL SEAL 17327 ENGINEER DONALD L. MUNDAY

811 Know what's below. Call before you dig.

Location: _____

_____ Date of Issue: _____

PIEDMONT DESIGN Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive, Mooresville, North Carolina 28115
Phone:(704) 664-7839 Fax:(704) 664-1778 www.pdpa.com

PREPARED FOR:
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SEPTIC SYSTEM DETAILS
5 BEDROOM RESIDENCE
LOT 50 THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

REVISIONS	BY

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