

2800 MT HARMONY CHURCH RD

1/4/2008

duponbj

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

Permit Number: 4209B

CONDITIONS OF IMPROVEMENT PERMIT

Tax Number: 215-123-04/05/06

The IMPROVEMENT 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

Type Primary Wastewater System
Type (circle one): 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:
  - ___ IWWS-93-1
  - ___ IWWS-93-2
  - ___ IWWS-94-1

.3 Long-term acceptance rate	1050 Max gallons/day wastewater flow	3600 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
1 Serviced by private well	2000 Gallon septic tank	1200 Total trench length (ft)	30" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
350 ~~Bedrooms in residence~~ seat sanctuary	2000 Gallon pump tank	12" Depth of stone	

Any surface waters present: Type: Minimum separation distance:

Site modifications required: Well must be properly abandoned *

Additional Conditions:
- Nema 4c simplex control panel is required
- Keep trench bottoms level and on contour- permit may not show drainlines on exact contour
- No driving or parking over tanks and/or drainfield area.

Repair Area System Type
Type (circle one): 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:
  - ___ IWWS-93-1
  - ___ IWWS-93-2
  - ___ IWWS-94-1

3600 Absorption Area (Sq ft) 1200 Total Trench Length (Ft)	12" Depth of Stone Trench	9' Trench spacing (min. on centers)	30" Maximum Trench Depth

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This 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.

L B Mayfield J R S 5-1-00
DEHNR Authorized Agent Date

Owner/Agent Signature Date 4/26/00

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

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

Hold For:

- Fees

CT

FEE: _____ **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION**
DATE: _____ **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 5-1-00 PERMIT NO: 4209B

PARCEL NO: 215-123-04/05/06

JOB LOCATION ADDRESS: Mt. Harmony Church Rd

PROPERTY OWNER: ~~Harmony Partnership c/o Sam Williams~~ Rock Christian Church owner

BUILDING CONTRACTOR: _____

SUBDIVISION NAME: _____

AUTHORIZATION ISSUED BY: LB Thompson Jr, R.S. DATE: 5-1-00
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4209B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED **PRIOR** TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: See Cadditions of Improvement Permit

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

J Moriarty, Agent 4/26/00
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Mecklenburg County
Health Department

Conditions of Improvement Permit

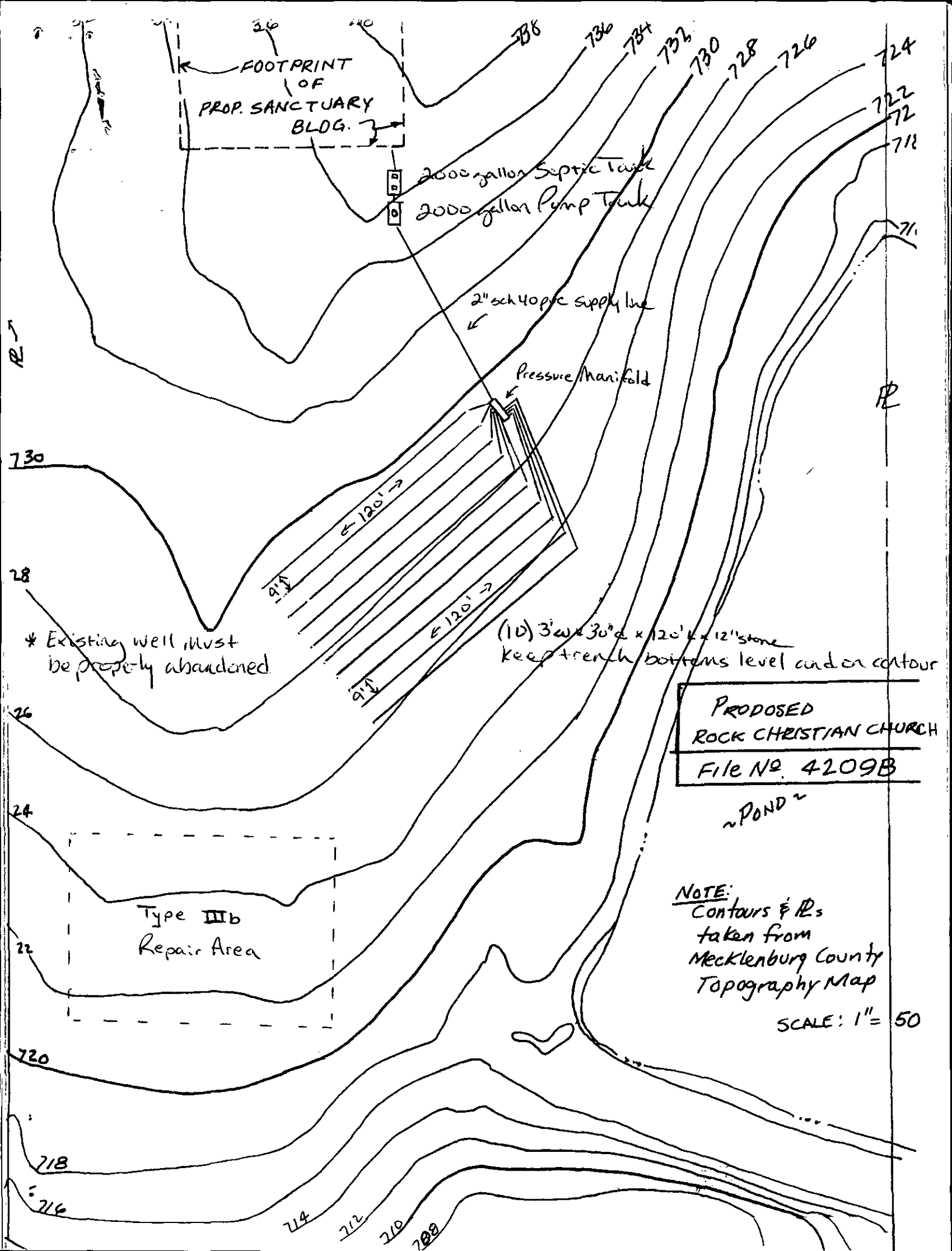
File Number: 4209 B
Site Address: Mt. Harmony Church Road

1. The wastewater treatment and disposal system permitted is a pump-to-conventional system. The septic system must be installed as designed and approved.
2. The system will require a single phase, simplex control panel with alarm. The control panel must have a Nema 4x weather proof rating.
3. A pressure manifold shall be used to distribute effluent to the drain field trenches. The pump size must be determined by obtaining elevations, friction loss, and head pressure at the manifold in addition to the gallons per minute delivery rate required due to the pipe schedule of the taps utilized.
4. Septic and pump tanks must be installed in an area not subject to vehicular traffic. System installer must ensure that finished soil cover over the tanks will not be greater than 36 inches in depth. Soil cover greater than 36 inches will require reinforced tanks.
5. Nitrification trenches shall be constructed as level as possible but in no case shall the fall in a single trench bottom exceed one-fourth inch in 10 feet as determined by an engineer's level or equivalent.
6. Any changes in the site must be pre-approved by the Mecklenburg County Environmental Health Department.
7. The wastewater treatment and disposal drain field area, including the designated repair areas, shall not be used for any of the following:

    - Grading or filling
    - Parking or driving heavy equipment in the area or subjecting the site to possible soil compaction
    - Construction staging area
    - Installation of lawn irrigation components
    - Installation of underground utilities or cables of any type
    - Burial of any debris or material
    - Utilizing the area for gravesites
    - Diversion of storm water runoff into this area

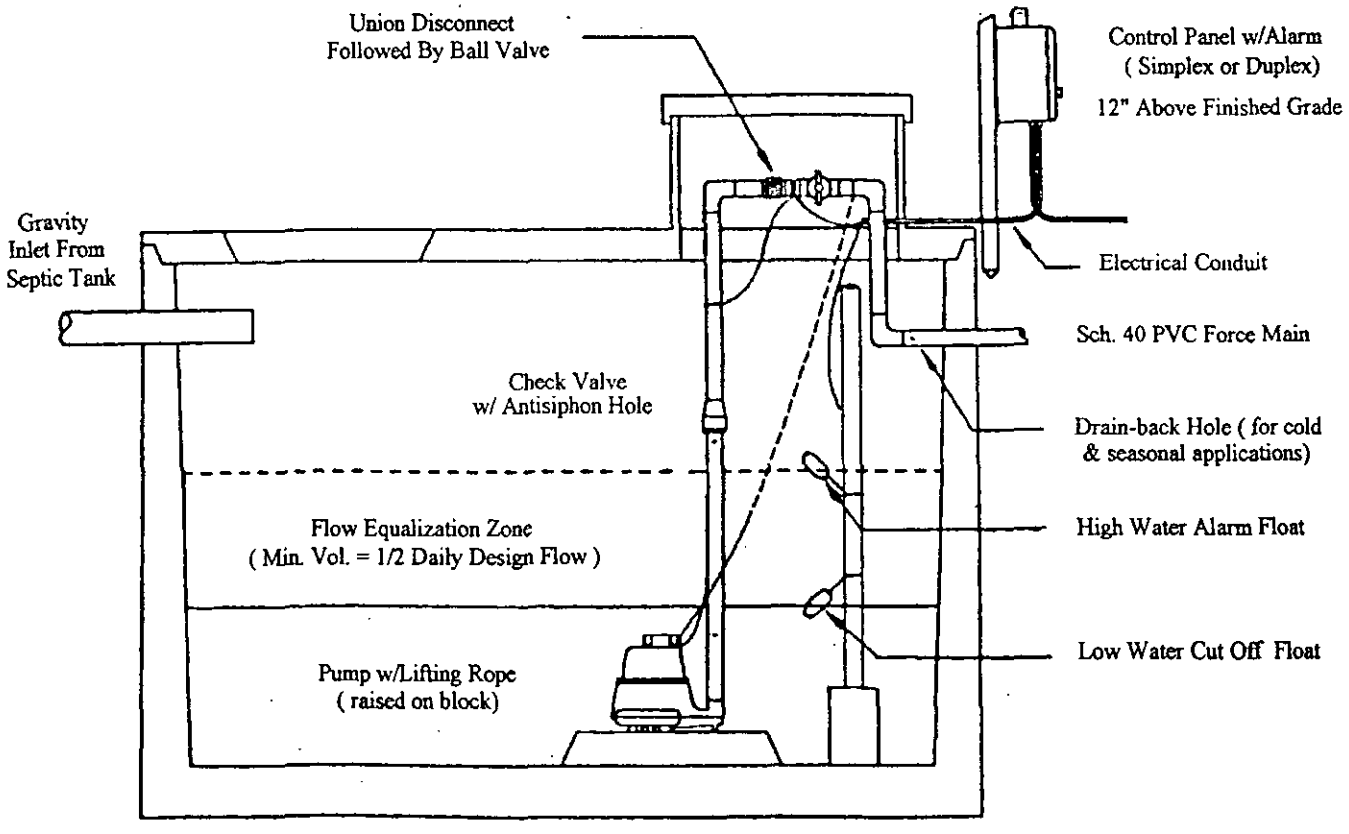
8. Septic system installer must be registered with Mecklenburg County prior to meeting for the required pre-construction conference.
9. System installer will be required to operate the system at the time of the final inspection. Arrangements must be made to have the pump tank filled with water prior to the requested final inspection.
10. The system owner shall have the contents of the septic tank checked, and the contents of the tank removed, periodically from all compartments, to ensure proper operation of the system. The contents of the septic tank shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.
11. All septic tank riser and effluent filter rules will apply to this system. It is strongly recommended that access risers be added to both ends of the septic tank, extending to at least finish grade. This will allow periodic inspection of the solids level in the tank as well as help facilitate the periodic cleaning of the effluent bio-filter.
12. The local Health Department is required, by the State, to perform system reviews of Type IIIb systems at a minimum of every 5 years. The owner of the system is responsible for paying any inspection fees, as determined by the Board of County Commissioners, at the time of the required inspection.

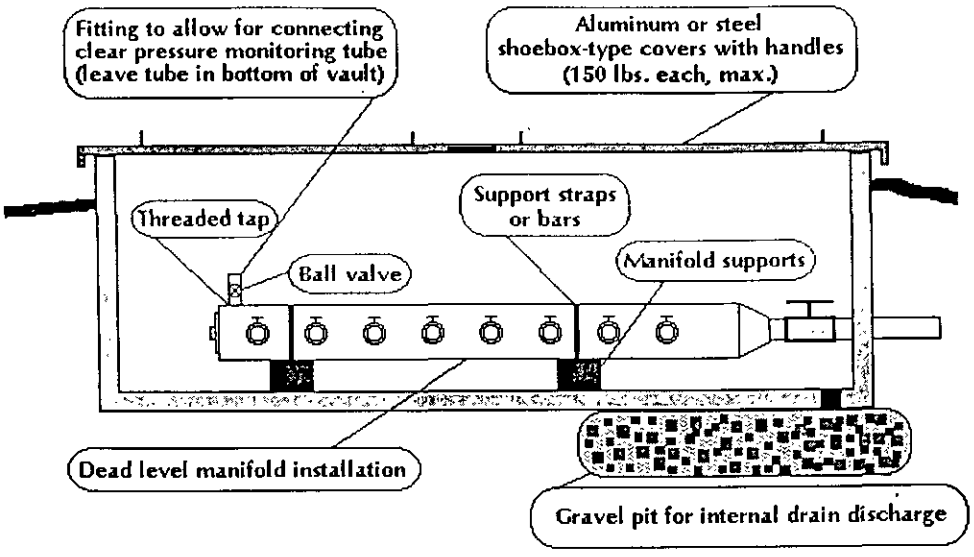
Signature Owner/Agent _____ **Date** _____


FOOTPRINT OF PROP. SANCTUARY BLDG.
2000 gallon Septic Tank
2000 gallon Pump Tank
2" sch 40 pvc supply line
Pressure Manifold
120'
9'
120'
9'
* Existing well must be properly abandoned
(10) 3' w x 30' d x 120' l x 12" stone
keep trench bottoms level and on contour
PROPOSED ROCK CHRISTIAN CHURCH
File No. 4209B
~POND~
Type IIIb Repair Area
NOTE: Contours & RLs taken from Mecklenburg County Topography Map
SCALE: 1" = 50
738
736
734
732
730
728
726
724
722
720
718
716
714
712
710
708
730
28
26
24
22

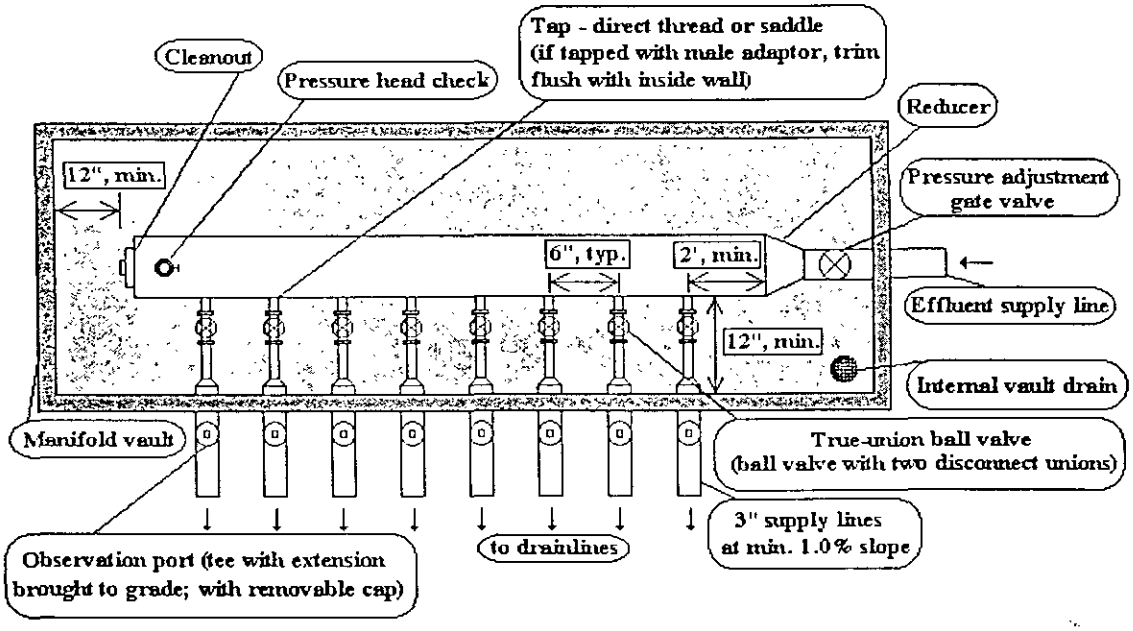
TYPICAL PUMP TANK DETAIL

1. Pump tank shall have an access manhole extending at least 6 inches above finished grade.
2. Pump and control circuits shall be provided with manual circuit disconnects within a watertight, corrosion-resistant, outside enclosure (NEMA 4X or equivalent) adjacent to the pump tank, securely mounted at least 12 inches above finished grade. The pump(s) shall be manually operable without requiring the use of special tools or entrance into the tank for testing purposes. Conductors shall be conveyed to the disconnect enclosure through waterproof, gasproof, and corrosion-resistant conduits, with no splices or junction boxes provided inside the tank. Wire grips, duct seal, or other suitable material shall be used to seal around wire and wire conduit openings inside the pump tank and disconnect enclosure.
3. The pump tank shall have a properly functioning high-water alarm. The alarm circuit shall be supplied ahead of any pump overload and short circuit protective devices. The alarm shall be audible and visible by system users and included in the pump and control enclosure (Simplex or Duplex Control Panel).
4. Float switch for the high water alarm shall be set no more than 3 inches above the high water level of pump cycle.
5. Pump floats should be set so that level of water at end of pump cycle is above the top of the pump.
6. Float switch tie downs to be made of corrosion resistant material, no tape or metal hose clamps.
7. Pump discharge shall have a check valve.
8. Anti-siphon hole (three-sixteenth inch) is required between the pump and the check valve.
9. Watertight testing will be required on two piece pump tanks.





Profile View of Pressure Manifold for Sloping Site Installation (not to scale)



Plan View of Pressure Manifold for Sloping Site Installation (not to scale)

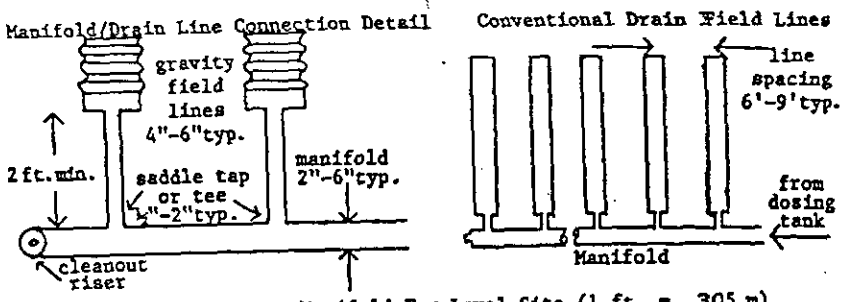


Fig. 1 Pressure Manifold For Level Site (1 ft. = .305 m)

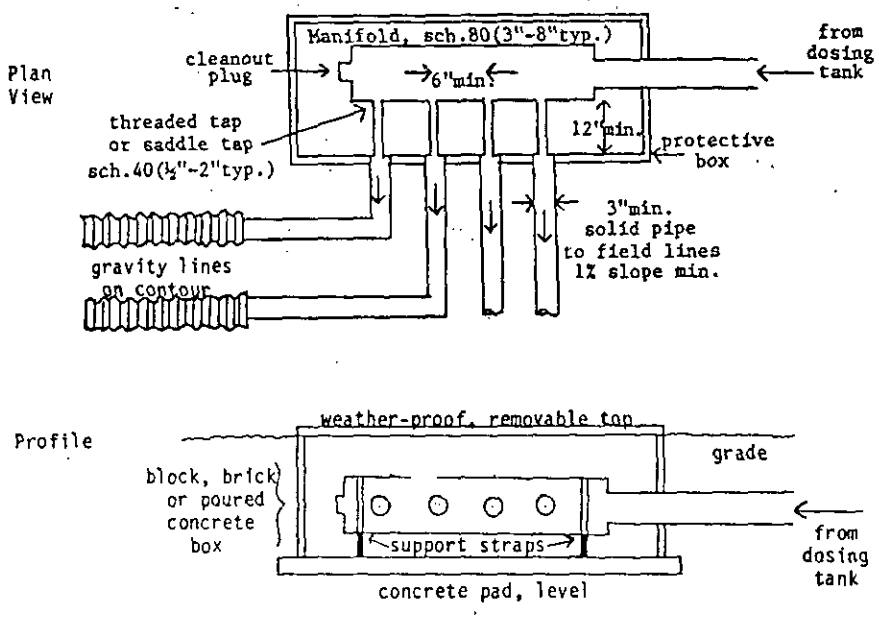


Fig. 2 Pressure Manifold For Sloping Sites

Swartz Engineering Consultants, Inc.

1400 Andover Road

Charlotte, NC 28211

Telephone (704) 367-0229 Fax (704) 366-2951

FACSIMILE TRANSMITTAL

TO: Larry Thompson FROM: Steve Swartz

CO: Meck Co. Health Dept DATE: 5/2/00

FAX NO: 336. 6899 TIME: 10:30 A

NUMBER OF PAGES SENT (including this page) 2

(IF NOT CORRECTLY RECEIVED, CALL SENDER AT (704) 367-0229)

PROJECT NAME: Rock Christian Church

PROJECT NUMBER:

✓ THIS IS YOUR ORIGINAL ___ HARD COPY TO FOLLOW (via FEDEX)

COMMENTS:

Larry

Here is the "Conditions" signed.

Is this an "official" Improvement Permit Now?

Do you need me to sign the "hard copy" when it comes in the mail?

Looking forward to wrapping this up!

Steve Swartz

ATTENTION:

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR THE DESIGNATED AGENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US VIA U.S. POSTAL SERVICE. WE WILL REIMBURSE YOU FOR ANY COSTS INCURRED.

Mecklenburg County
Health Department

Conditions of Improvement Permit

File Number: 4209 B
Site Address: Mt. Harmony Church Road

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     Parking or driving heavy equipment in the area or subjecting the site to possible soil compaction
     Construction staging area
   - Installation of lawn irrigation components
   - Installation of underground utilities or cables of any type
   - Burial of any debris or material
   - Utilizing the area for gravesites
   - Diversion of storm water runoff into this area

8. Septic system installer must be registered with Mecklenburg County prior to meeting for the required pre-construction conference.
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11. All septic tank riser and effluent filter rules will apply to this system. It is strongly recommended that access risers be added to both ends of the septic tank, extending to at least finish grade. This will allow periodic inspection of the solids level in the tank as well as help facilitate the periodic cleaning of the effluent bio-filter.
12. The local Health Department is required, by the State, to perform system reviews of Type IIIb systems at a minimum of every 5 years. The owner of the system is responsible for paying any inspection fees, as determined by the Board of County Commissioners, at the time of the required inspection.

Signature Owner/Agent T. Stewart, Agent Date 5/2/00

PEOPLE • PRIDE • PROGRESS

FEE: ~~$500~~ 4,327

DATE: 2/29/00 DM

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR IMPROVEMENT PERMIT FOR COMMERCIAL/INDUSTRIAL SITE

[ ] CRT

TYPE APPLICATION: X NEW SYSTEM ___ EXPANSION 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 #: 4209B

PROJECT TRACKING #:

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 215/2304, ...305, ...306

STREET ADDRESS: 2708, 2714 and 2800 Mt. Harmony Church Rd

X COMMERICAL ___ INDUSTRIAL

LOT NUMBER: N.A.

DESCRIBE TYPE OF BUSINESS: 350 seat Church Sanctuary

Square Footage of Facility: 10000SF ±

TOWNSHIP (CHECK ONE):

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

NUMBER OF EMPLOYEES: N.A
PER SHIFT: ___ ___ ___

HOW WILL WATER BE USED IN THE FACILITY:

✓ TOLIETS/URINALS
✓ HANDSINK
___ SHOWERS
___ FLOOR DRAINS

OTHER, PLEASE DESCRIBE:

An IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change.

TYPE OF WASTEWATER:
✓ SEWAGE
___ INDUSTRIAL PROCESS WASTE WATER

IF EXPANSION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED ADDITION: N/A

WATER SUPPLY (CHECK ONE):
___ COMMUNITY (C) ✓ MUNICIPAL (M) ___ PRIVATE WELL (P)
___ SHARED WELL (S) ___ OTHER 'SPRINGS' (O)

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

BURIED CABLES, LANDFILLS, STUMPHOLES ___ YES ✓ NO
EXISTING WASTE WATER SYSTEMS * YES ___ NO
EASEMENTS OR RIGHT-OF-WAYS ___ YES ✓ NO
WELL SPRINGS OR WATERLINES * YES ___ NO
DESIGNATED WETLANDS ___ YES ✓ NO

* Abandoned; location unknown

BUILDING PLANS TO INCLUDE ALL PLUMBING, FLOOR DRAINS AND ALL SOURCES OF WASTEWATER DISCHARGE AND GRADING PLANS MAY BE REQUIRED DURING THE EVALUATION STAGE.

PROPERTY OWNER:

NAME: Harmony Partnership c/o
(LAST) (FIRST) (MI)

ADDRESS: Samuel Williams PO Box 32635

CITY: Charlotte STATE: NC ZIP: 28232

DAYTIME PHONE: (704) 376-0011

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Swartz Engineering Consultants, Inc
(LAST) (FIRST) (MI)

DAYTIME PHONE: (704.367-0229

Attn: Steve Swartz

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? Unknown

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: J. Swartz, PE
Swartz Engineering Consultants, Inc

DATE: 2/29/00

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

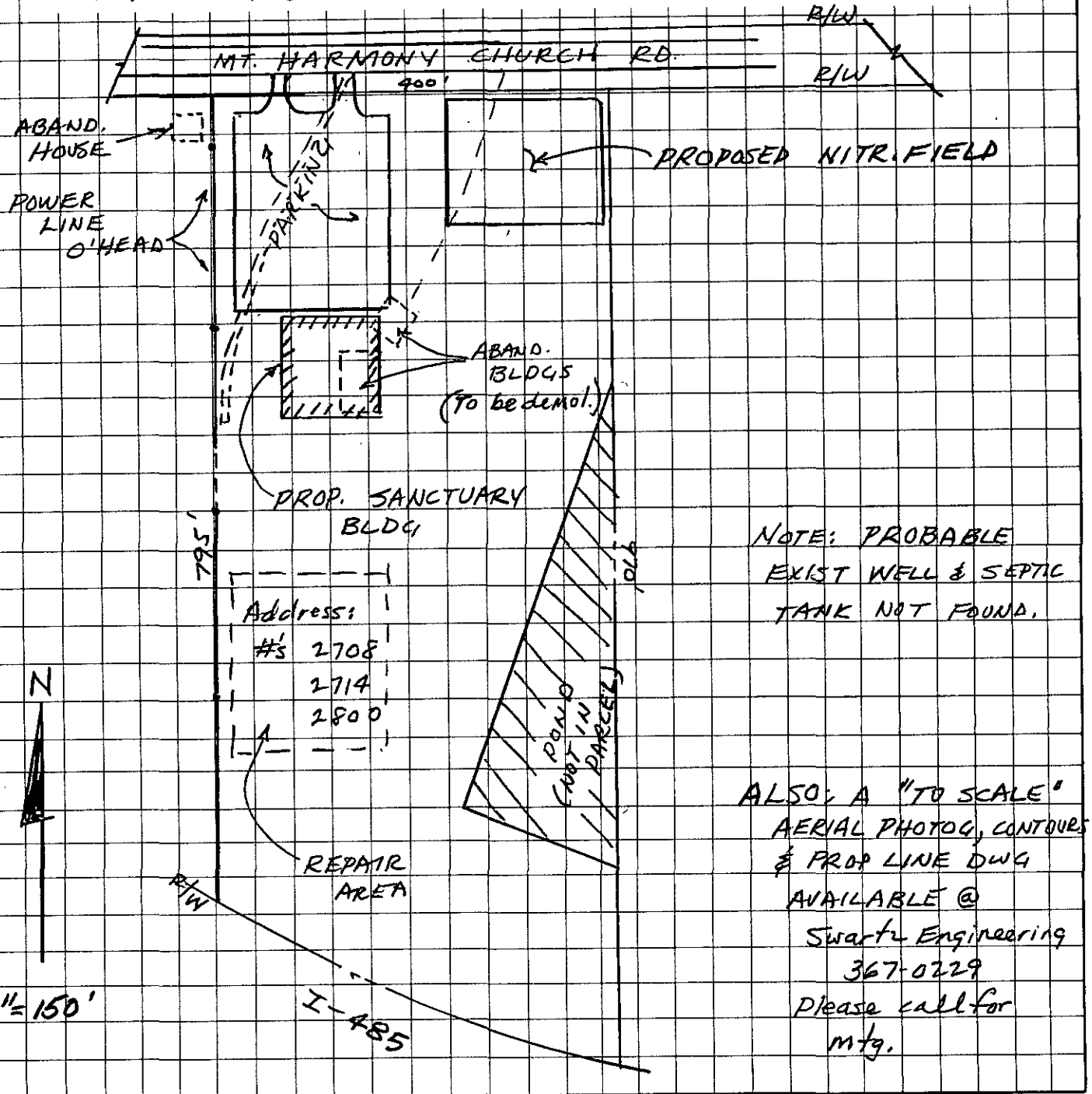
PROPOSED PLOT PLAN

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

FILE: 4209B

TC: 215-123-04 - 05 - 06

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.



H Swartz, PE
SWARTZ ENGINEERING
OWNER/AGENT SIGNATURE

DATE 2/29/00

APPROVAL DATE _____

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

4209B

SAMUEL S. WILLIAMS, P.A.
P. O. Box 32635
Charlotte, NC 28232
704/376-0011 Fax: 704/376-0026

February 28, 2000

Mecklenburg County Health Department
700 North Tryon Street, Suite 211
Charlotte, NC 28202-2236

TO WHOM IT MAY CONCERN:

Swartz Engineering Consultants, Inc. is authorized to act on behalf of Harmony Partnership in applying for a new septic tant permit for its property located on Mt. Harmony Church Road.

This property is a grouping of three (3) parcels with addresses of 2708, 2714, and 2800 Mt. Harmony Church Road.

Harmony Partnership

By: _____
Samuel S. Williams, Partner

SSW/sw

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Property ID: 215-123-04,05,06

#2

Lot #:

File #: 4209B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Harmony Partnership c/o S. Williams APPLICANT:

ADDRESS: Box 32635, Charlotte, N.C. DATE EVALUATED: 4-6-00

PROPOSED FACILITY: Church PROPOSED DESIGN FLOW (.1949) PROPERTY SIZE: 8.24

LOCATION OF SITE: 2900 Mt. Harmony Church Rd PROPERTY RECORDED:

WATER SUPPLY: Private Public Well Spring Other

EVALUATION METHOD: Augur Boring Pit Cut

TYPE OF WASTEWATER: Sewage Industrial Process Mixed

PROFILE #	3 slopes 5-15% 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	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	720" to soil wetness	20"	N/A	None	US IV
		3-20"	SBK/C	Fi/SEXP/S/P					
2	LS	0-2"	gr/sl	Fr/SEXP/SS/SP	746" to soil wetness	46"	N/A	None	PS IV .391 Fz
		2-23"	SBK/C	Fi/SEXP/S/P					
		23-46"	SBK/cl	Fr/SEXP/SS/SP					
3	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	740" to soil wetness Bot K	40"+	N/A	None	PS IV .391 Fz
		3-40"	SBK/C	Fi/SEXP/S/P					
		Boring	Terminated @ 40" Floater						
4	LS	0-4"	gr/sl	Fr/SEXP/SS/SP	730" to soil wetness	30"	N/A	None	US IV .2939 Fz
		4-30"	SBK/C	Fi/SEXP/S/P					
5	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	746" to soil wetness	46"	N/A	None	PS .391 Fz IV
		3-23"	SBK/SC	Fi/SEXP/S/P					
		23-48"	SBK/scl	Fr/SEXP/SS/SP					
6	LS	0-4"	gr/sl	Fr/SEXP/SS/SP	740" to soil wetness	~~34"~~ 40"	N/A	None	PS .2753 Fz IV
		4-31"	SBK/C	Fi/SEXP/S/P					
		31-40"	SBK/cl	Fr/SEXP/SS/SP					
7	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	741" to soil wetness	41"	N/A	None	PS .25 .391 Fz IV
		3-41"	SBK/C	Fi/SEXP/S/P					
			Possible Plinty @ 41"						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.391 Fz	.391 Fz

OTHER FACTORS (.1946):

SITE CLASSIFICATION (.1948): Unsuitable

EVALUATED BY: M.S.R. MacLean LSS 4-18-00

OTHER(S) PRESENT:

OF ENVIRONMENTAL HEALTH
WASTEWATER SECTION

Property ID: _____

Lot # _____

File #: 42093

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____

ADDRESS: _____ DATE EVALUATED: _____

PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949) _____ PROPERTY SIZE: _____

LOCATION OF SITE: _____ PROPERTY RECORDED: _____

WATER SUPPLY: Private Public Well Spring Other _____

EVALUATION METHOD: Augur Boring Pit Cut

TYPE OF WASTEWATER: Sewage Industrial Process Mixed

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
8	LS	0-6"	gr/scl	Fr/SEXP/SS/SP	736" TO soil wetness	36"	N/A	None	US
		6-32"	SBK/C	F:/SEXP/S/P					
			possible plowy						
		32-36"	SBK/C	vF:/Mixed/ US/SP					
9	LS	0-5"	gr/scl	Fr/SEXP/SS/SP	729" TO soil wetness	29"	N/A	None	US IV
		5-29"	SBK/C	F:/SEXP/S/P					
			possible plowy	structure					
10	LS	0-4"	gr/scl	Fr/SEXP/SS/SP	748" to soil wetness	48"	N/A	None	PS .39/F2 IV
		4-48"	SBK/C	F:/SEXP/S/P					
11	LS	0-6"	gr/scl	Fr/SEXP/SS/SP	748" TO soil wetness	48"	N/A	None	PS .39/F2 IV
		6-49"	SBK/C	F:/SEXP/S/P					
12	LS	0-5"	gr/scl	Fr/SEXP/SS/SP	746" TO soil wetness	46"	N/A	None	PS .39/F2 IV
		5-46"	SBK/C	F:/SEXP/S/P					
13	LS	0-6"	gr/scl	Fr/SEXP/SS/SP	748" TO soil wetness	46"	N/A	None	PS .39/F2 IV
		6-46"	SBK/C	F:/SEXP/S/P					
14	LS	0-5"	gr/scl	Fr/SEXP/SS/SP	746" TO soil wetness	46"	N/A	None	PS .39/F2 IV
		5-43"	SBK/C	F:/SEXP/S/P					
		43-46"	SBK/Cl	Fr/SEXP/SS/SP					

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

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____

OTHER(S) PRESENT: _____

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Street: _____

Property ID: _____

Lot #: _____

File #: 4209B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____

ADDRESS: _____ DATE EVALUATED: _____

PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949) _____ PROPERTY SIZE: _____

LOCATION OF SITE: _____ PROPERTY RECORDED: _____

WATER SUPPLY: Private Public Well Spring Other _____

EVALUATION METHOD: Augur 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
1S	2S	0-7"	gr/sc/	Fr/SE/Pl/SS/SP	7 48" TO SOIL WETNESS	48"	N/A	None	PS .3gpf2 II
		7-35"	SBK/ C	Fi/SE/Pl/S/P					
		35-48"	SBK/ Cl	Fr/S E/Pl/SS/SP					

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

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____

OTHER(S) PRESENT: _____

FILE # 4029B

COMMENTS 100% Repair

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE 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	
		O-ORGANIC	

CONSISTENCE MOIST	WET
VFR-VERY FRIABLE	NS-NON-STICKY
FR-FRIABLE	SS-SLIGHTLYSTICKY
FI-FIRM	S-STICKY
VFI-VERY FIRM	VS-VERY STICKY
EFI-EXTREMELY FIRM	NP-NON-PLASTIC
	SP-SLIGHTLYSTICKY
	P-PLASTIC
	VP-VERY PLASTIC

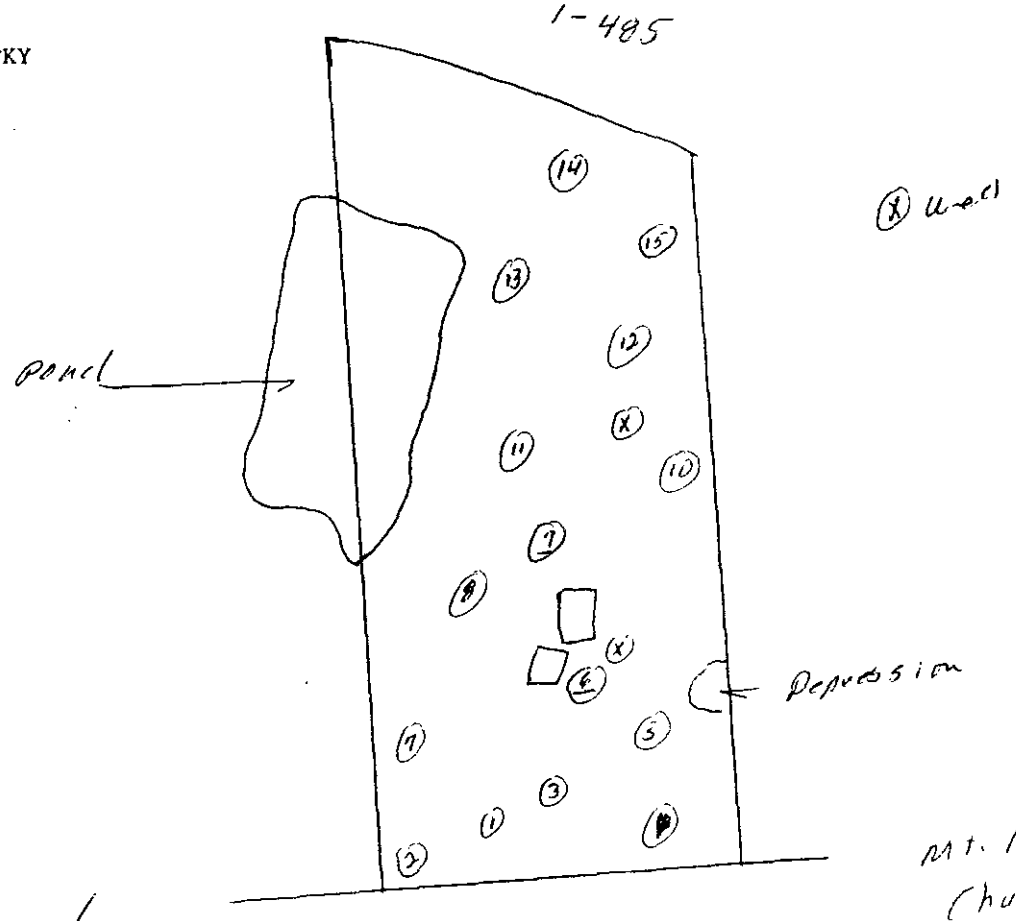
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



GIS Real Estate System

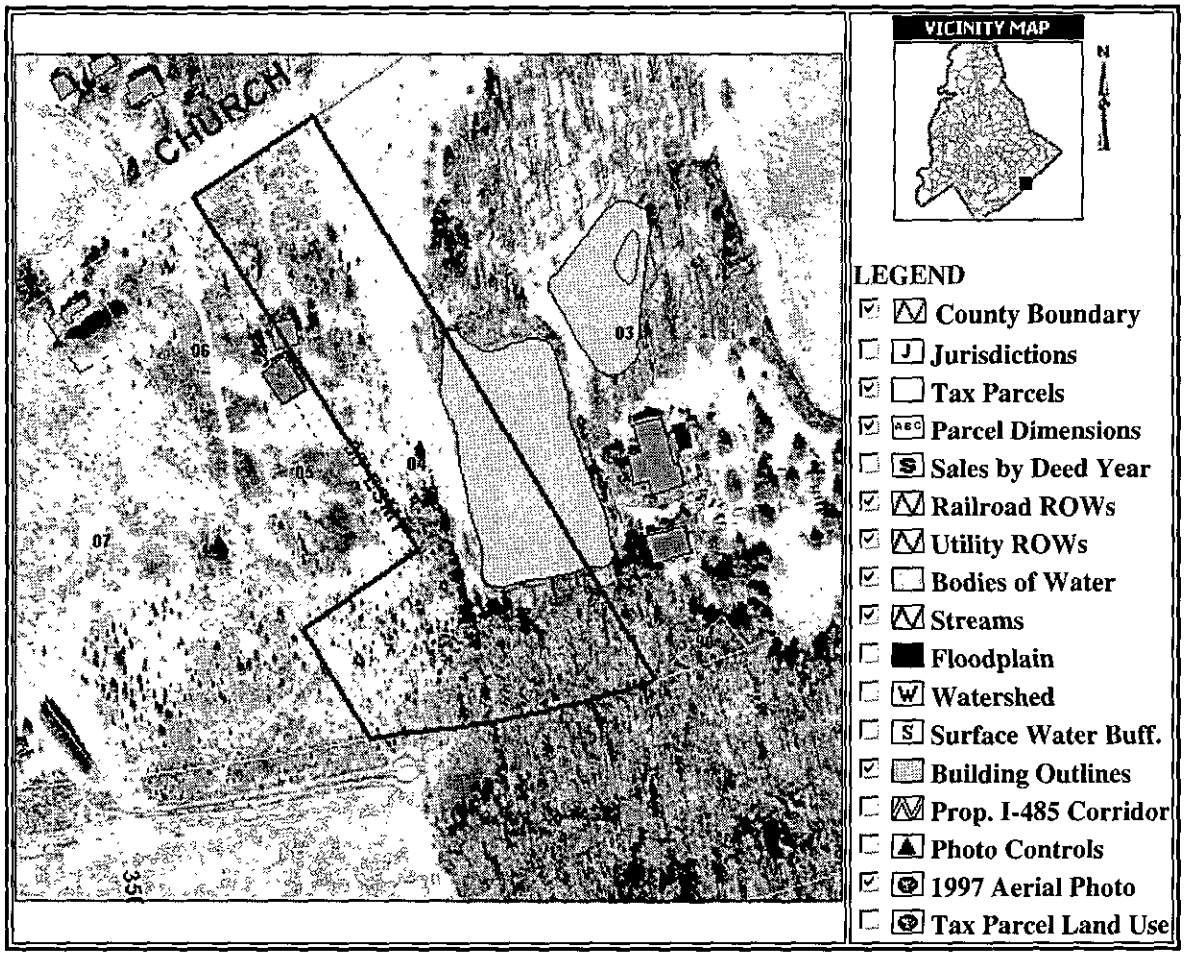
Mecklenburg County, NC Geographic Information Systems

Tax Parcel & Map Sheet Search | Road Name & Intersection Search | Market Analysis Search Menu
Return to Full Map Extent | How to Use the System | Return to GIS Public Access

Click on Map to Perform Operation

○ Refresh Map ○ Pan ◉ Zoom In ○ Zoom Out Zoom Factor [1X] ○ Identify [Parcels] ○ Surveyor's Report

○ Adjoining Owner's Report within [10 FEET] ○ Measure [Start Line] Label Parcels by: [ ]



Click here to submit questions or comments about the information shown on this page.

Map Scale: 1 Inch = 221 Feet Date and Time Stamp 4/7/00 11:04:26 AM EST	This map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

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

ACS #2

Sheet: 1
Property ID: 215-123-040506
Lot #:
File #: 4209B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Harmony Partnership c/o S. Williams
APPLICANT:
ADDRESS: Box 32635, Charlotte, N.C.
DATE EVALUATED: 4-6-00
PROPOSED FACILITY: Church PROPOSED DESIGN FLOW (.1949): PROPERTY SIZE: 8.24
LOCATION OF SITE: 2900 Mt. Harmony Ch. Rd
PROPERTY RECORDED:
WATER SUPPLY: ☐Private ☑Public ☐Well ☐Spring ☐Other
EVALUATION METHOD: ☑Augur Boring ☐Pit ☐Cut
TYPE OF WASTEWATER: ☑Sewage ☐Industrial Process ☐Mixed

PROFILE #	Slopes 5-15% .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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS	0-3"	gr/sl	Fr/SE/PL/SS/SP	720" to soil wetness	20"	N/A	None	US IV
		3-20"	SBK/C	Fi/SE/PL/S/P					
2	LS	0-2"	gr/sl	Fr/SE/PL/SS/SP	746" to soil wetness	48"	N/A	None	PS IV .391 Fz
		2-23"	SBK/C	Fi/SE/PL/S/P					
		23-48"	SBK/cl	Fr/SE/PL/SS/SP					
3	LS	0-3"	gr/sl	Fr/SE/PL/SS/SP	740" to soil wetness	40"+	N/A	None	PS IV .391 Fz
		3-40"	SBK/C	Fi/SE/PL/S/P					
		Boring	Terminated @ 40" Floater		Rock				
4	LS	0-4"	gr/sl	Fr/SE/PL/SS/SP	730" to soil wetness	30"	N/A	None	US IV .295 Fz
		4-30"	SBK/C	Fi/SE/PL/S/P					
5	LS	0-3"	gr/sl	Fr/SE/PL/SS/SP	746" to soil wetness	48"	N/A	None	PS .391 Fz IV
		3-23"	SBK/SC	Fi/SE/PL/S/P					
		23-48"	SBK/scl	Fr/SE/PL/SS/SP					
6	LS	0-4"	gr/sl	Fr/SE/PL/SS/SP	740" to soil wetness	24" 40"	N/A	None	PS .275 Fz IV
		4-31"	SBK/C	Fi/SE/PL/S/P					
		31-40"	SBK/Cl	Fr/SE/PL/SS/SP					
7	LS	0-3"	gr/sl	Fr/SE/PL/SS/SP	741" to soil wetness	41"	N/A	None	PS .25 91 Fz IV
		3-41"	SBK/C	Fi/SE/PL/S/P					
			Possible Plinty @ 41"						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.391 Fz	.391 Fz

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: M. A. Mullis LSS 4-18-00
OTHER(S) PRESENT:

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

Sheet: 2

Property ID: _____

Lot #: _____

File #: 42093

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____

ADDRESS: _____ DATE EVALUATED: _____

PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949) _____ PROPERTY SIZE: _____

LOCATION OF SITE: _____ PROPERTY RECORDED: _____

WATER SUPPLY: ☐Private ☐Public ☐Well ☐Spring ☐Other _____

EVALUATION METHOD: ☐Augur Boring ☐Pit ☐Cut

TYPE OF WASTEWATER: ☐Sewage ☐Industrial Process ☐Mixed

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
8	LS	0-6"	gr/sl	Fr/SEXPl SS/SP	736" TO soil wetness	36"	N/A	None	US
		6-32"	SBK/C	Fi/SEXPl S/P					
			possible plow						
		32-36"	SBK/C	vFi/mixed/ VST/SP					
9	LS	0-5"	gr/sl	Fr/SEXPl SS/SP	729" TO soil wetness	29"	N/A	None	US IV
		5-29"	SBK/C	Fi/SEXPl S/P					
			possible plow structure						
10	LS	0-4"	gr/sl	Fr/SEXPl SS/SP	748" TO soil wetness	48"	N/A	None	PS .39/Fz IV
		4-48"	SBK/C	Fi/SEXPl S/P					
11	LS	0-6"	gr/scl	Fr/SEXPl SS/SP	748" TO soil wetness	48"	N/A	None	PS .39/Fz IV
		6-48"	SBK/C	Fi/SEXPl S/P					
12	LS	0-5"	gr/scl	Fr/SEXPl SS/SP	748" TO soil wetness	48"	N/A	None	PS .39/Fz IV
		5-48"	SBK/C	Fi/SEXPl S/P					
13	LS	0-6"	gr/scl	Fr/SEXPl SS/SP	748" TO soil wetness	46"	N/A	None	PS .39/Fz IV
		6-46"	SBK/C	Fi/SEXPl S/P					
14	LS	0-5"	gr/scl	Fr/SEXPl SS/SP	746" TO soil wetness	46"	N/A	None	PS .39/Fz IV
		5-43"	SBK/C	Fi/SEXPl S/P					
		43-46"	SBK/Cl	Fr/SEXPl SS/SP					

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

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____

OTHER(S) PRESENT: _____

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

Sheet: 3

Property ID:

Lot #:

File #: 42093

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: APPLICANT:

ADDRESS: DATE EVALUATED:

PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949) PROPERTY SIZE:

LOCATION OF SITE: PROPERTY RECORDED:

WATER SUPPLY: ☐Private ☐Public ☐Well ☐Spring ☐Other

EVALUATION METHOD: ☐Augur Boring ☐Pit ☐Cut

TYPE OF WASTEWATER: ☐Sewage ☐Industrial Process ☐Mixed

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
15	LS	0-7"	gr/sc/	Fr/SE XP/ SS/SP	7 40" TO soil wetness	40"	N/A	None	PS .3 gpf/ft II
		7-35"	SBM/ C	Fi/SE XP/ SS/P					
		35-40"	SBM/ CI	Fr/SE XP/ SS/SP					

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

OTHER FACTORS (.1946):

SITE CLASSIFICATION (.1948):

EVALUATED BY:

OTHER(S) PRESENT:

FILE # 4029B

COMMENTS 100% Repair

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR	CONSISTENCE MOIST	CONSISTENCE 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-SLIGHTLYSTICKY
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-SLIGHTLYSTICKY
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM			
	IV	SC-SANDY CLAY	0.4-0.1		
		SIC-SILTY CLAY			
		O-ORGANIC			

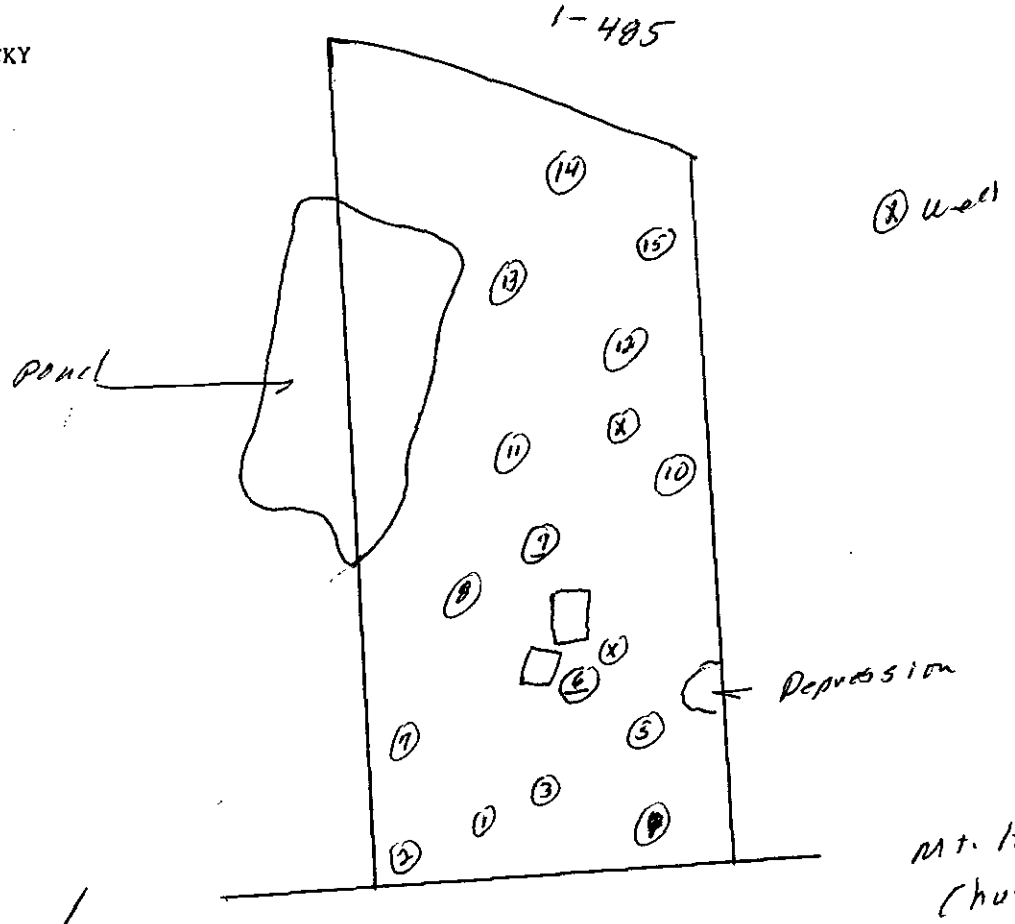
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



Swartz Engineering Consultants, Inc.

Planning *Financial* *Engineering* *Management*

April 26, 2000

Larry B. Thompson, Jr., R.S.
Mecklenburg County Health Department
700 North Tryon Street, Suite 211
Charlotte, NC 28202

Re: Proposed Rock Christian Church
Your File No. 4209B

Dear Larry:

Per our discussion today, enclosed is a 1" = 50' scale maps of the subject property showing the proposed building location and 2 foot contours. The contours have been traced from the County's topography map that we reviewed on the site.

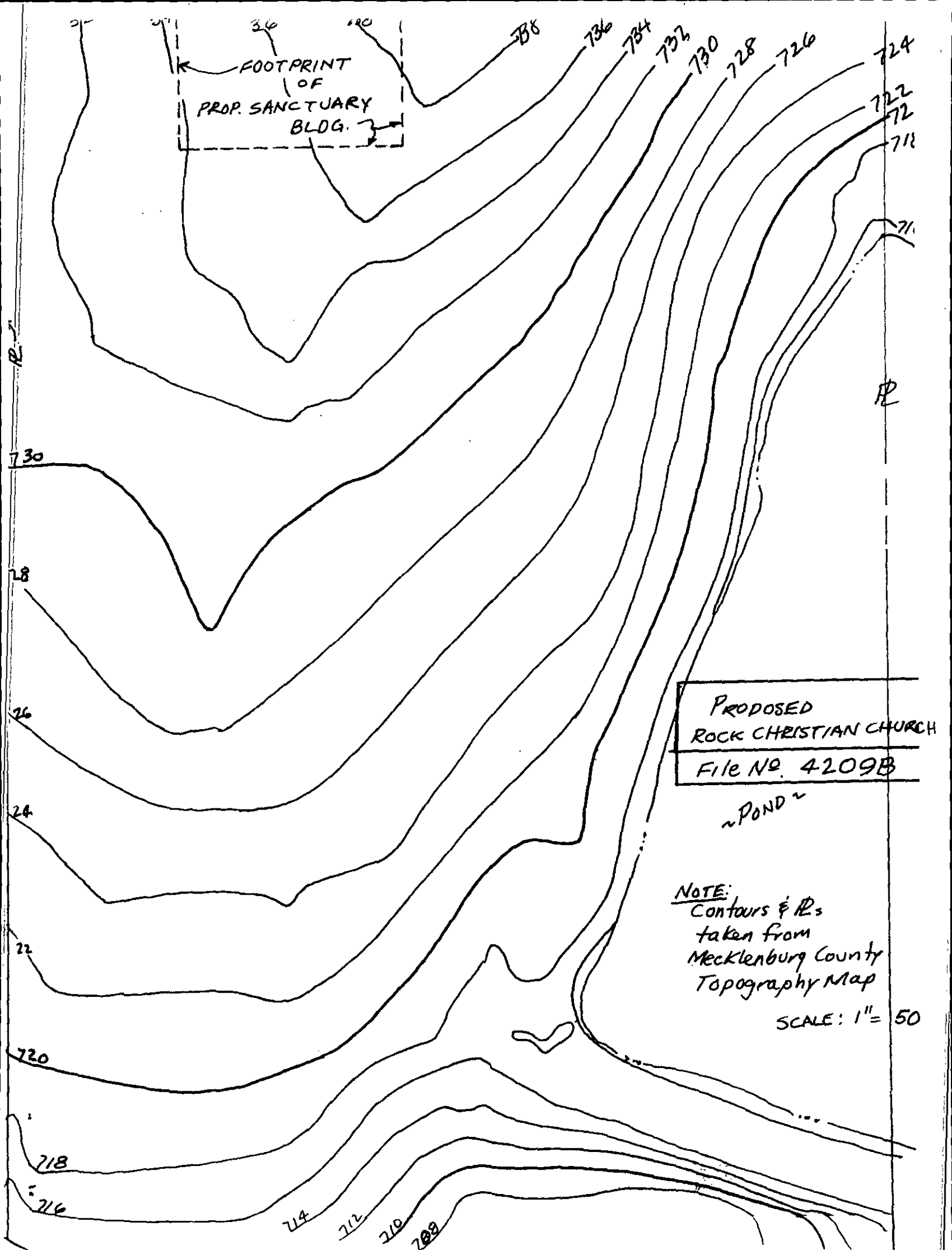
Thank you for your help. We look forward to receiving your layout and specifications. As a reminder, please send the well abandonment procedures that we discussed.

Sincerely,
SWARTZ ENGINEERING CONSULTANTS, INC.

F. Stephen Swartz, PE
President

Copy: Rock Christian Church

Water *Wastewater* *Stormwater* *Reclaimed Water*
1400 Andover Road *Charlotte, NC 28211* *Telephone (704) 367-0229*
Email: steve.swartz@worldnet.att.net *Fax (704) 366-2951*


FOOTPRINT OF PROP. SANCTUARY BLDG.
738
736
734
732
730
728
726
724
722
730
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726
724
720
718
716
714
712
710
708
PROPOSED ROCK CHRISTIAN CHURCH
File No. 4209B
~POND~
NOTE: Contours & RPs taken from Mecklenburg County Topography Map
SCALE: 1" = 50