

16444 MARVIN RD

22308139

12/31/2007

duponbj

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

Mecklenburg County
Health Department

TELECOPIER TRANSMITTAL COVER SHEET

NOTICE

THE INFORMATION CONTAINED IN THIS TELECOPY MAY BE PRIVILEGED AND/OR CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE PERSON TO WHOM IT IS ADDRESSED. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT (OR SUCH RECIPIENT'S EMPLOYEE OR AGENT), YOU ARE HEREBY NOTIFIED NOT TO READ, DISTRIBUTE OR COPY THE MATERIALS ATTACHED HERETO WITHOUT THE PRIOR WRITTEN CONSENT OF THE SENDER. IF YOU HAVE RECEIVED THIS TELECOPY IN ERROR, PLEASE NOTIFY THE SENDER BY TELEPHONE CALL AND RETURN THE ORIGINAL TELECOPY TO US BY MAIL AND WE WILL REIMBURSE YOU FOR THE REQUIRED POSTAGE. THANK YOU.

TO: Herman Moore TELECOPIER # 372-8063

FROM: Tims DATE 6/2/99

NUMBER OF PAGES TRANSMITTED: 4 (including cover sheet)

COMMENTS: per request of Larry Thompson

If you do not receive all pages, please call us as soon as possible at the following number: (704)336-5102.

[ ] Original will not follow [ ] Original ~~will follow via:~~ is on file at H.D.

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Environmental Health Division
700 North Tryon Street • Suite 211 • Charlotte, North Carolina 28202-2236

Hold for:

- ~~Agreement form~~
- fees
- ~~Signatures on~~
  ~~End of IP (book)~~
  EA.

~~Thanks,~~
~~Lang~~ J.

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

DATE: 5-28-99 PERMIT NO: 2612 B
PARCEL NO: 223-081-34

JOB LOCATION ADDRESS: 16444 Marvin Road
PROPERTY OWNER: Evermay, LLC
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: Evermay Lot 8
AUTHORIZATION ISSUED BY: Tony B. Thompson J.S. DATE: 5-28-99
DEHNR/AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 2612B, 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 Conditions 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.

X Tim Whitaker 6/2/99
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Mecklenburg County
Health Department

Conditions of Improvement Permit

File Number: 2612B
Site Address: 223-081-34

1. The wastewater treatment and disposal system permitted is a pump-to-innovative system designed by Tim Whittaker. 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 innovative drain field trenches.
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. The required pressure head of 2 feet will be adjusted at the pressure manifold at the time of the 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.

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: 26128 Tax Number: 223-081-39

- 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	480 Max gallons/day wastewater flow	1200 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
Yes Serviced by private well	1500 Gallon septic tank	400 Total trench length (ft)	22" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
4 Bedrooms in residence	1000 Gallon pump tank	N/A Depth of stone INNOVATIVE	

Any surface waters present: Type: Minimum separation distance:

Site modifications required:

Additional Conditions: - Hold for agreement forms
- Nema 4x Simplex Control Panel required
- Additional soil cover may be required over the drainfield
- Pre-construction conference with system designer and installer required

Repair Area System Type Type (circle one): I II III (IV) V VI 1.37	___ 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

3500 Absorption Area (Sq ft) 700 Total Trench Length (Ft)	10" Depth of Stone Trench add.-soil cover may be required	5' Trench spacing (min. on centers)	16" 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.

Larry B Thompson J.A.S. 5-28-99
DEHNR Authorized Agent Date

X Tim Whittaker 6/2/99
Owner/Agent Signature Date

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

Owner's Copy

Mecklenburg County
Health Department

Conditions of Improvement Permit

File Number: 2612B
Site Address: 223-081-34

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2. The system will require a single phase, simplex control panel with alarm. The control panel must have a Nema 4x weather proof rating.
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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:

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    - Installation of underground utilities or cables of any type
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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.

Permit Number: 26126 Tax Number: 025-081-57

- 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	480 Max gallons/day wastewater flow	1200 Absorption Area (sq ft)	9' Trench spacing (min. on centers)	
Yes Serviced by private well	1500 Gallon septic tank	400 Total trench length (ft)	22" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)	
4 Bedrooms in residence	1000 Gallon pump tank	N/A Depth of stone INNOVATIVE		
Any surface waters present:	Type:	Minimum separation distance:		
Site modifications required:				

Additional Conditions: - Hold for agreement forms
- Nema 4x Simplex Control Panel required
- Additional soil cover may be required over the drainfield
- Pre-construction conference with system designer and installer required

Repair Area System Type Type (circle one): I II III (IV) V VI .137	___ 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	
3500 Absorption Area (Sq ft) 700 Total Trench Length (Ft)	10" Depth of Stone Trench add. soil cover may be required	5' Trench spacing (min. on centers)	16" Maximum Trench Depth	
For existing system, enter the year originally installed:				

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- This Improvement permit is transferable.

Larry S Mongeon J. R.S. 5-28-99

DENR Authorized Agent Date

Owner/Agent Signature Date

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

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

DATE: 5-28-99 PERMIT NO: 2612B
PARCEL NO: 223-081-34

JOB LOCATION ADDRESS: 16444 Marvin Road
PROPERTY OWNER: Evermay, LLC
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: Evermay Lot 8
AUTHORIZATION ISSUED BY: Tony B. Thompson, L.S. DATE: 5-28-99
DEHNR/AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

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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.

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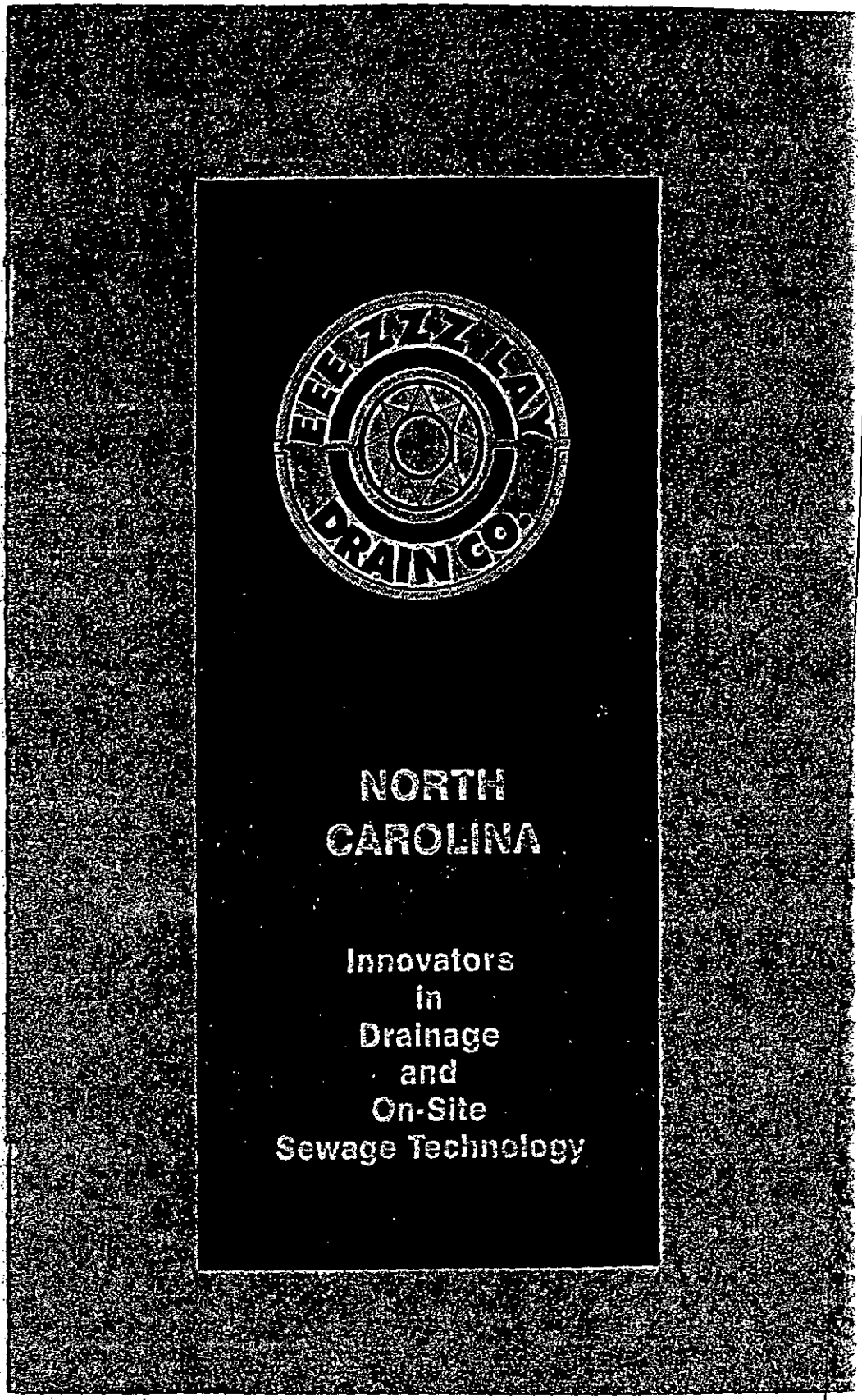
4. OTHER CONDITIONS: See Conditions of Improvement Permit

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.

SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

MCHD - File - 2612-B



THIS IS NOT A PERMIT TO INSTALL THE SEPTIC SYSTEM
THE SEPTIC TANK INSTALLER IS REQUIRED TO OBTAIN AN INSTALLATION LAYOUT FROM THE MECKLENBURG COUNTY HEALTH DEPARTMENT PRIOR TO THE INSTALLATION OF THE SEPTIC TANK SYSTEM. THE SEPTIC TANK CONTRACTOR MUST BE REGISTERED WITH MECKLENBURG COUNTY.

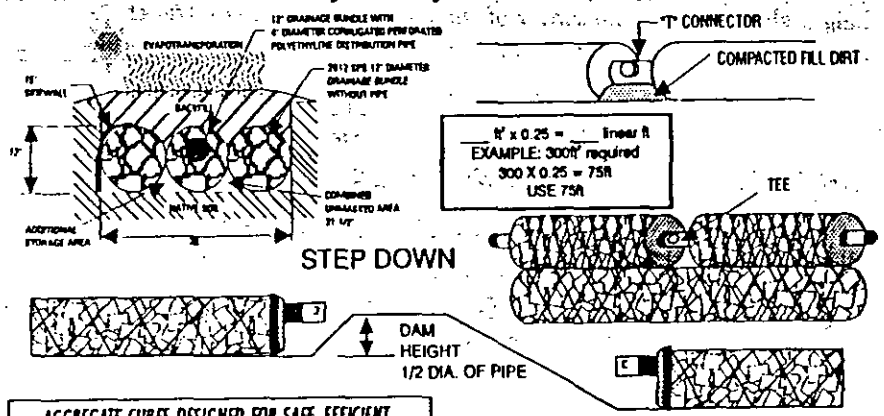
Whitaker
86-0542

File: 2612-B

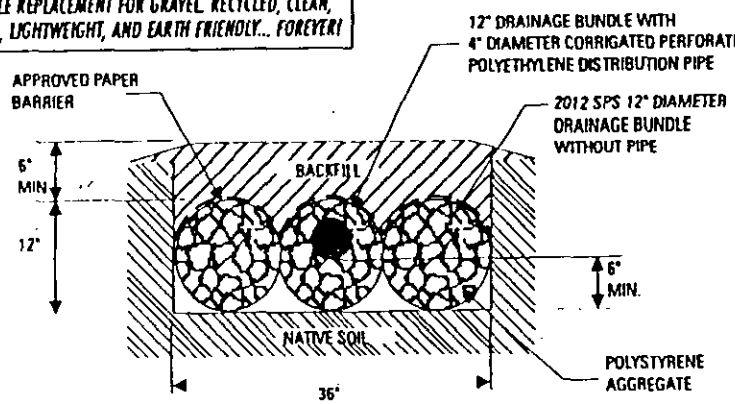
EEE ZZZ Lay Drain Company
2012 Shallow Placement
Septic Effluent Disposal System

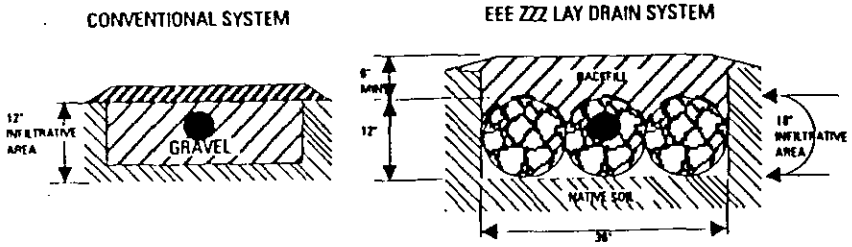
1. This system may be placed in a 36" wide trench with a *minimum trench* depth of 18."

2. The trench length modification is justified by the lack of fines, stone masking, highly reduced compaction on the bottom area along with the extra *infiltrative surface area of the cylindrical shape*, all contribute to bring you one of the most effective, time-proven, cost-effective system available. this system as with all other EEE ZZZ Lay Drain systems is fast, easy, and reliable.



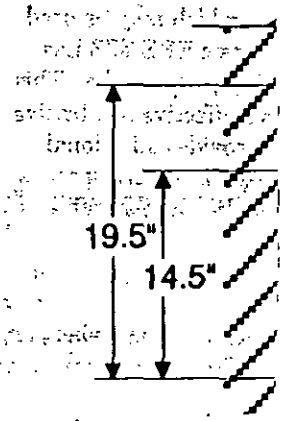
AGGREGATE CUBES DESIGNED FOR SAFE, EFFICIENT, RELIABLE REPLACEMENT FOR GRAVEL. RECYCLED, CLEAN, UNIFORM, LIGHTWEIGHT, AND EARTH FRIENDLY... FOREVER!





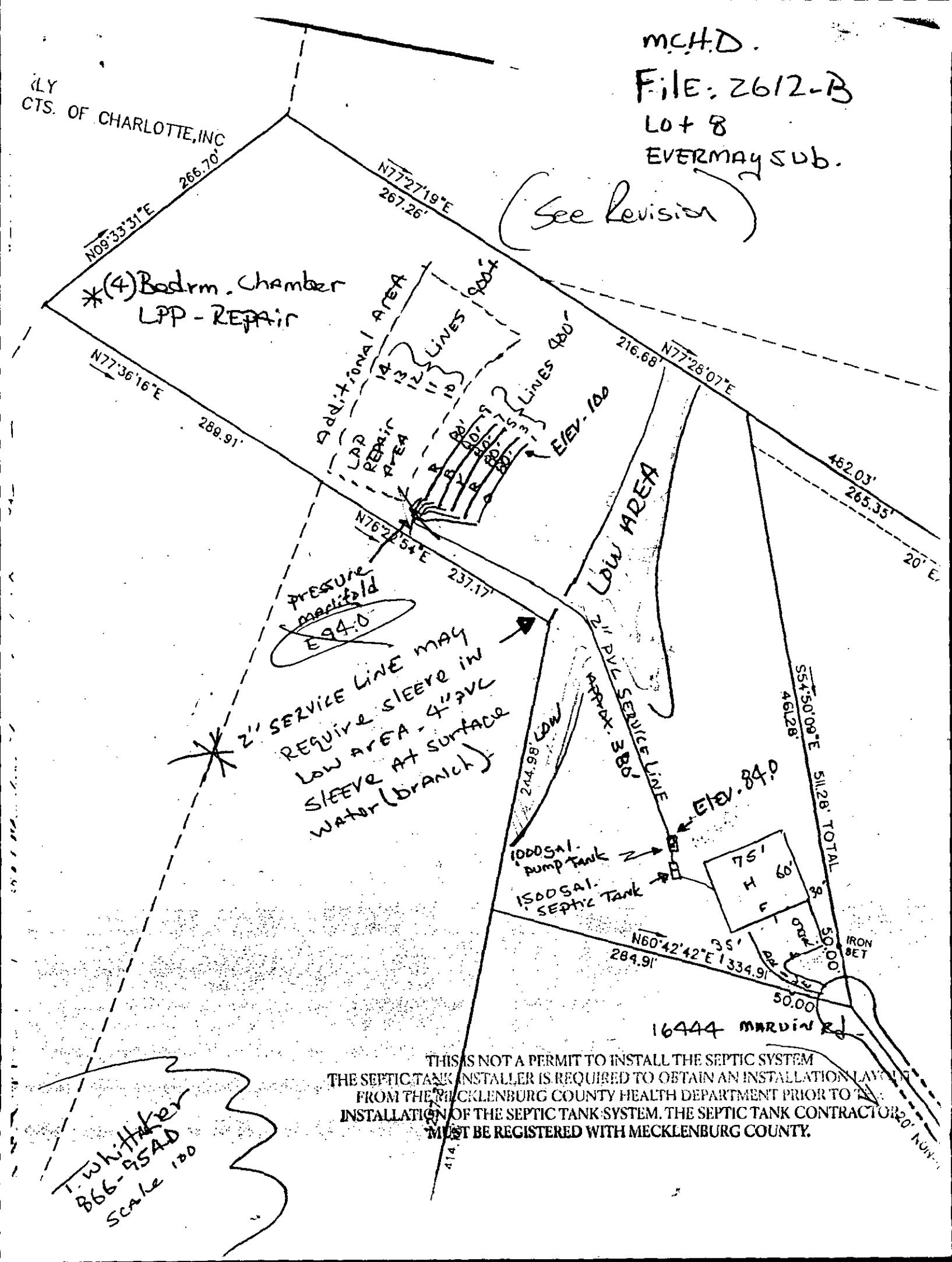
EFFECTIVE SIDEWALL INFILTRATIVE AREA

Analy
Alt
Calculations f
Installa



2012 T

This system is the mo
system installs in a 30
cover). The triangular
any system on the ma
than adequate in repla


M.C.H.D.
FILE: 2612-B
LOT 8
EVERMAY SUB.
(See Revision)
CTS. OF CHARLOTTE, INC
N09°33'31"E 266.70'
N77°27'19"E 267.26'
*(4) Bedrm. Chamber
LPP - REPAIR
ADDITIONAL AREA
LPP REPAIR AREA
14 LINES 100'
13 LINES
12 LINES
11 LINES 100'
10 LINES 100'
9 LINES
7 LINES
5 LINES
3 LINES
ELEV. 100
N77°36'16"E 289.91'
216.68'
N77°28'07"E
462.03'
265.35'
20' E
N76°21'54"E 237.17'
LOW AREA
PRESSURE MANIFOLD
E 94.0
2" SERVICE LINE MAY REQUIRE SLEEVE IN LOW AREA - 4" PVC SLEEVE AT SURFACE WATER (branch)
2" PVC SERVICE LINE
APPROX. 380'
244.98' LOW
ELEV. 84.0
1000 GAL. PUMP TANK
1500 GAL. SEPTIC TANK
S54°50'09"E 511.28' TOTAL
462.28'
75'
H
60'
F
50.00'
IRON SET
N60°42'42"E 1334.91'
284.91'
35'
50.00
16444 MARVIN RD
T. Whitaker
866-9540
Scale 100
THIS IS NOT A PERMIT TO INSTALL THE SEPTIC SYSTEM
THE SEPTIC TANK INSTALLER IS REQUIRED TO OBTAIN AN INSTALLATION LAYOUT
FROM THE MECKLENBURG COUNTY HEALTH DEPARTMENT PRIOR TO THE
INSTALLATION OF THE SEPTIC TANK SYSTEM. THE SEPTIC TANK CONTRACTOR
MUST BE REGISTERED WITH MECKLENBURG COUNTY.

MCHD.
File: 2612-B

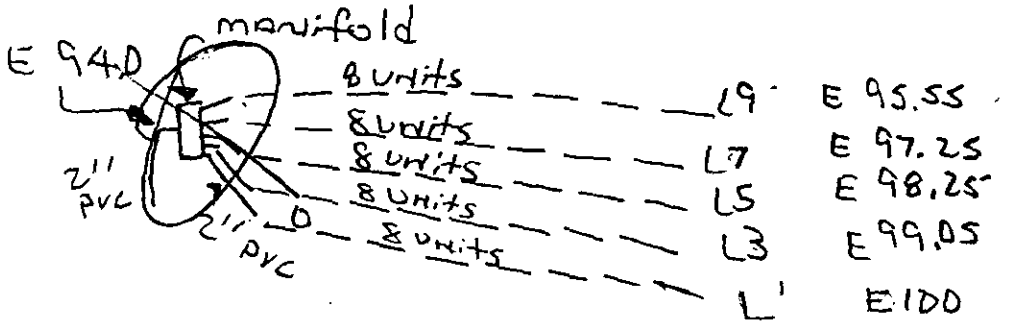
SPEC SHEET

(4) Bedrm. Pumped, Pressure Manifold EEE-ZZZ Lay Chamber Sys. LPP Repair:

2012 Shallow Placed Sys. EEE-ZZZ Lay

(5) 80' Lines = 400'

(8) Units per Line = 40 units Total

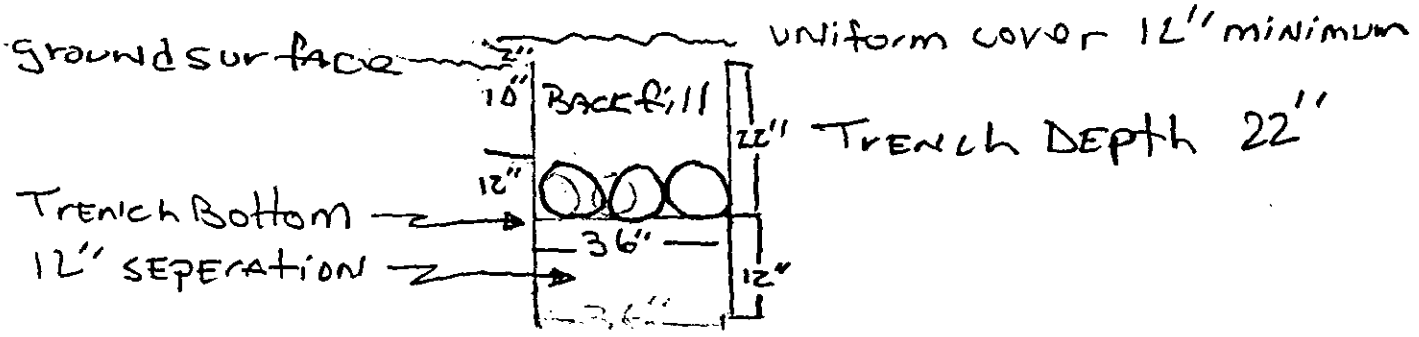


see revision

* 1,500 gal. Septic Tank
  1,000 gal. Pump Tank
  (1) Pressure Manifold - (See Manifold Sheets 1-3)

* Riser & filter rules Apply - Contractors choice

Trench Profile



* Trench Profile & System Placement based on soil borings 8, 9, 10 M.C.H.D.
* Install per manufactures specs.

T. Whittaker
No Scale

M.C.H.D.
FILE 2612-B

* SPECS: PRESSURE MANIFOLD

33.55 gpm flow @ 18.5 TDH

.4 HP pump (Installers choice)

5 - Sch. 80 Taps 1/2"
6" Sch. 80 manifold
2" Sch. 40 to EEE-222 LAY lines

9" drawdown - pump TANK
5.8 minute pump cycle

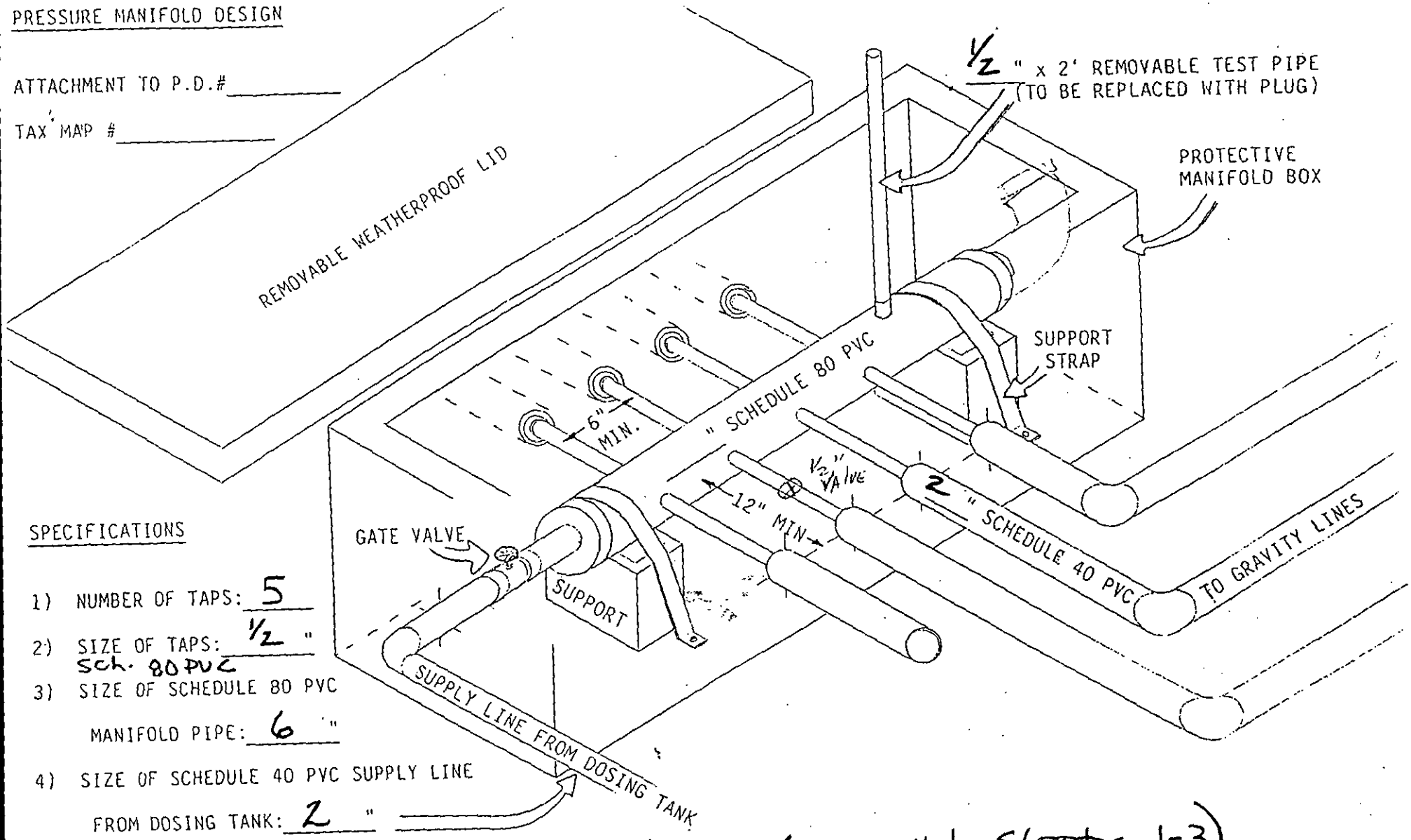
(SEE Sheets 1-3)

File: 2612-B

PRESSURE MANIFOLD DESIGN

ATTACHMENT TO P.D.#_____

TAX MAP #_____



SPECIFICATIONS

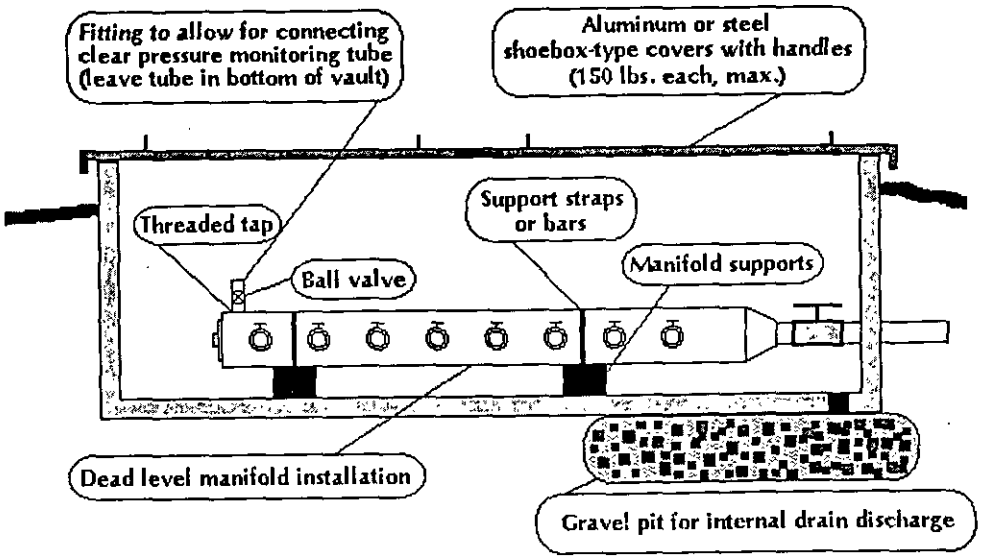
1) NUMBER OF TAPS: 5

2) SIZE OF TAPS: ½ " sch. 80 PVC

3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 6 "

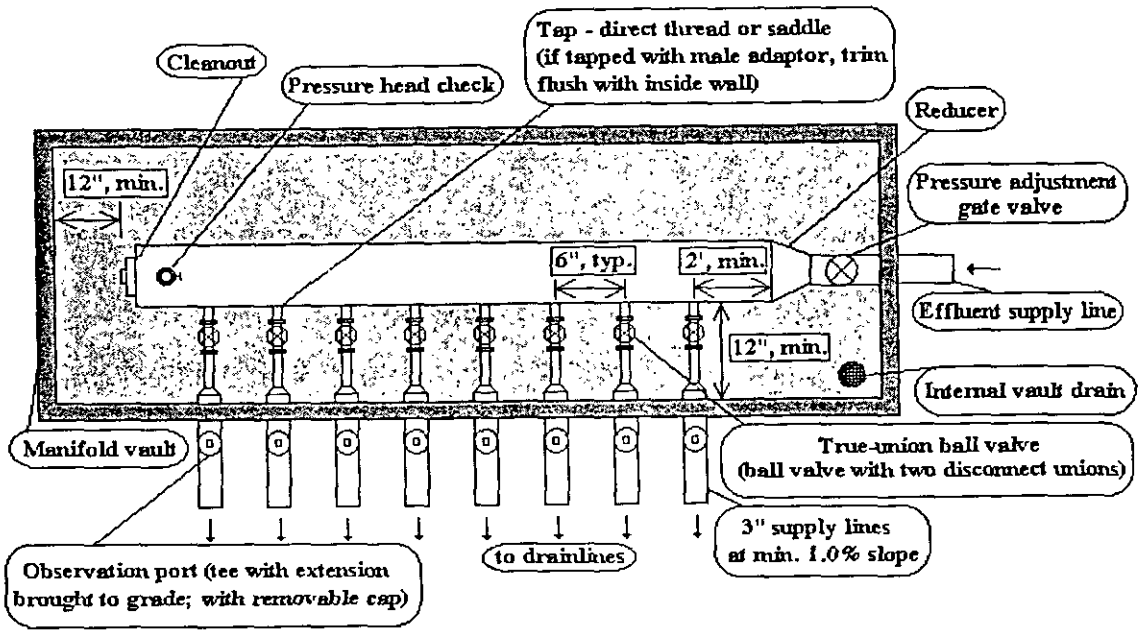
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 2 "

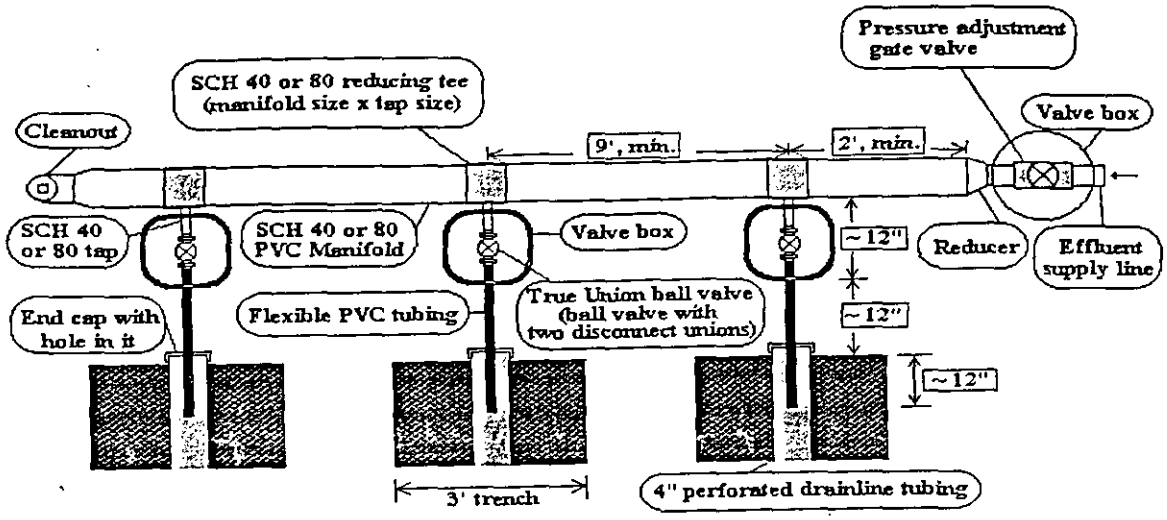
(SEE Attch. Sheets 1-3)



Profile View of Pressure Manifold for Sloping Site Installation

(not to scale)



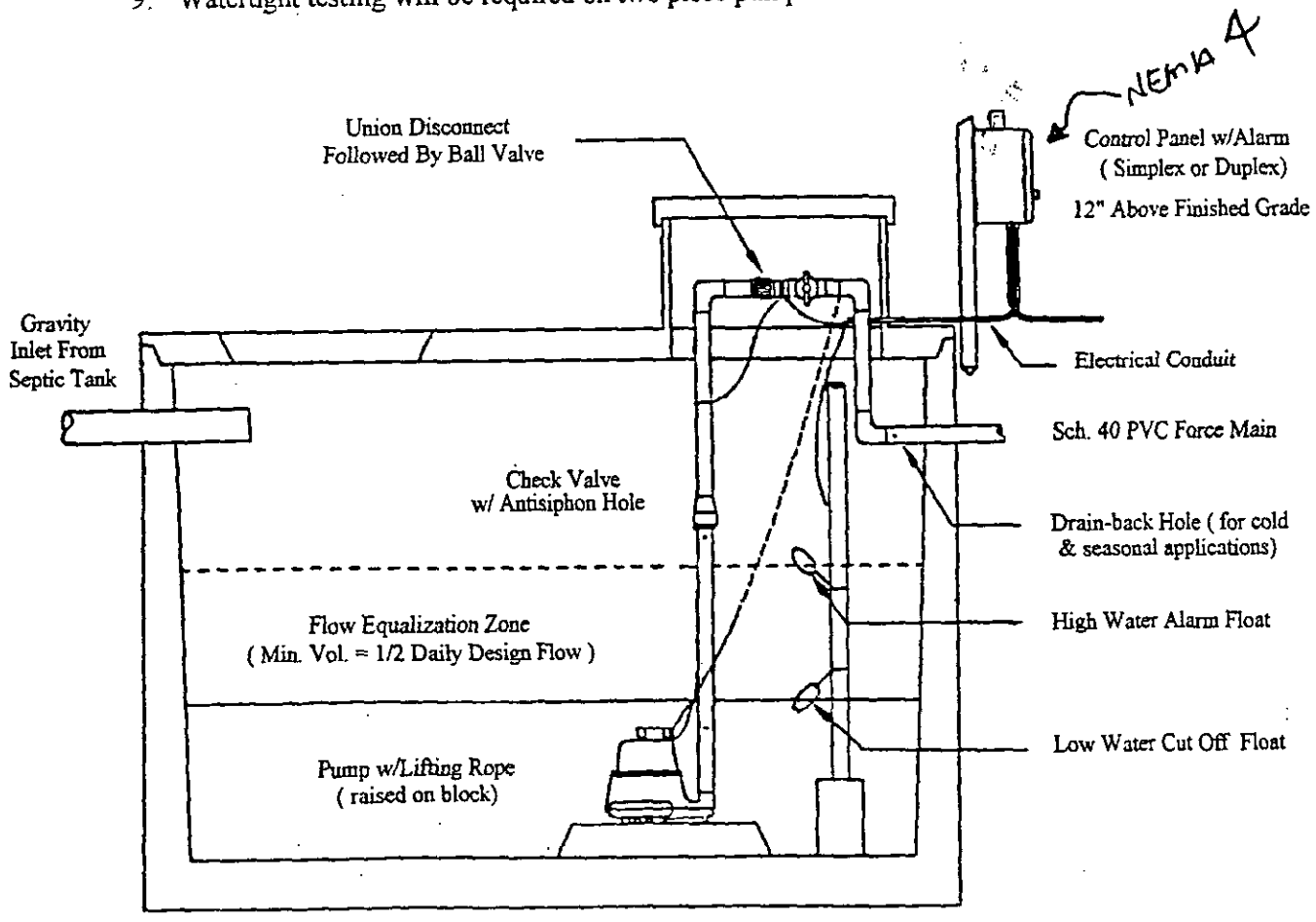


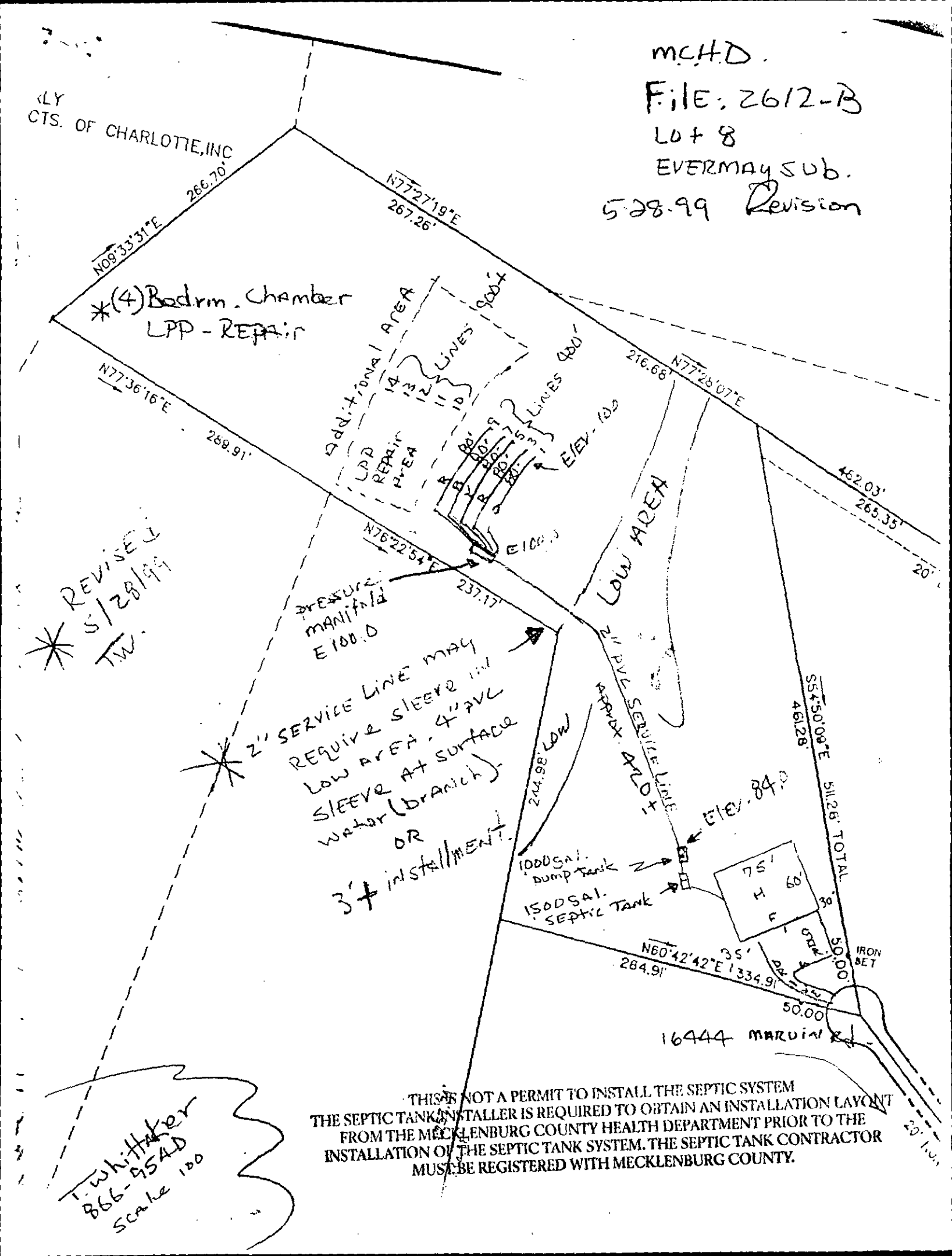
Plan View of Pressure Manifold for Level Site Installation

(not to scale)

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.




mcHD.
File: 2612-B
Lot 8
Evermay Sub.
5-28-99 Revision
LY
CTS. OF CHARLOTTE, INC
N09°33'31"E
266.70'
N77°27'19"E
267.26'
*(4) Bedrm. Chamber
LPP - Repair
N77°36'16"E
268.91'
Additional Area
LPP Repair Area
14 LINES 90'
10 LINES 90'
E100.0
E100.0
216.68
N77°28'07"E
462.03'
265.35'
N76°22'54"E
237.17'
Pressure manifold E100.0
LOW AREA
REVISED 5/28/99 TW.
2" SERVICE LINE MAY REQUIRE SLEEVE IN LOW AREA. 4" PVC SLEEVE AT SURFACE WATER (branch) OR 3' + INSTALLMENT.
2" PVC SERVICE LINE APPROX. 470'+
244.98' LOW
ELEV. 84.0
1000 GAL. DUMP TANK
1500 GAL. SEPTIC TANK
S54°50'08"E
461.28'
511.26' TOTAL
75'
60'
H
F
30'
50.00'
IRON SET
N60°42'42"E 1334.91'
284.91'
35'
50.00
16444 MARVIN Rd
THIS IS NOT A PERMIT TO INSTALL THE SEPTIC SYSTEM
THE SEPTIC TANK INSTALLER IS REQUIRED TO OBTAIN AN INSTALLATION LAYOUT
FROM THE MECKLENBURG COUNTY HEALTH DEPARTMENT PRIOR TO THE
INSTALLATION OF THE SEPTIC TANK SYSTEM. THE SEPTIC TANK CONTRACTOR
MUST BE REGISTERED WITH MECKLENBURG COUNTY.
T. Whitaker
866-9540
Scale 100

SPEC SHEET

File: 261E-B

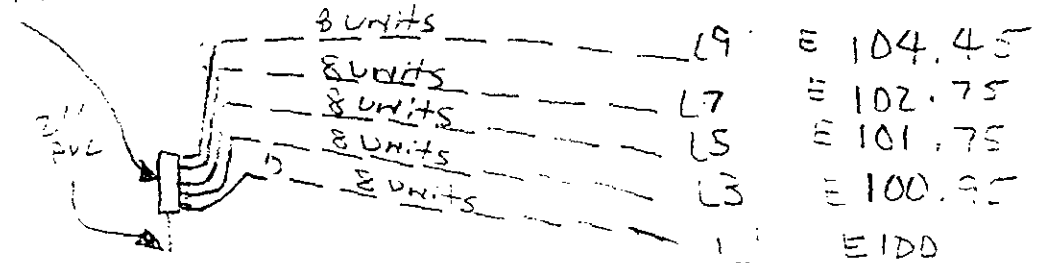
(4) Bedrm. PUMPED, PRESSURE MANIFOLD EEE-222 LAL Chamber Sys. LPD REPAIR;

2012 Shafter Place Sys. EEE-222 LAL

(5) 80' LINES = 400'

(8) UNITS PER LINE = 40 units Total

PRESSURE manifold



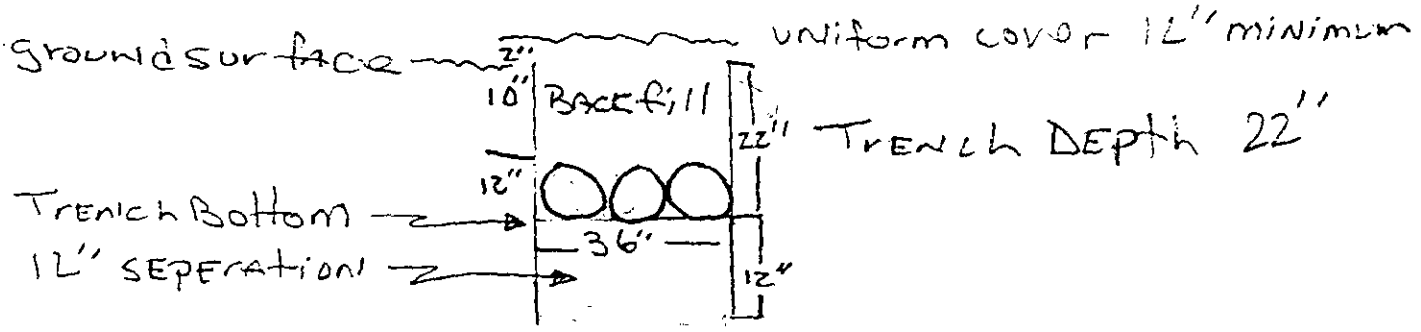
REVISED 5/2021 T.W.

* 1,500 gal. SEPTIC TANK
1,000 gal. PUMP TANK

(1) PRESSURE MANIFOLD - (SEE MANIFOLD Sheets 1-3)

* Riser & Elbow rules Apply - Contractors choice

TRENCH Profile



* TRENCH Profile & SYSTEM PLACEMENT BASED ON soil borings 8, 9, 10 M.C.H.D.
* INSTALL PER MANUFACTURES SPECS, ON Grade & CONTOUR

T. Whittaker NO SCALE

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 2612B
PARCEL # 223-081-39

The undersigned, Everman, LLC, owner of property located at 16444 Marvin Road, (the "site") and described in an instrument recorded in Book 26 at Page 666, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

- Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

This instrument was prepared by: Herman Moore

Mail after recording to: 1928 Randolph Rd. Charlotte, NC 28207

S88 19990977763

FILE COPY
FILED FOR REGISTRATION
DATE 6-1-99
BOOK 26
STAMP
DOC. # 10515
TIME 14:25
PAGE 666
REC FEE 12.00
JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC

- Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located.

- When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to Rule .1961, "Maintenance of Sewage Systems," for further information.)

- Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system.

- At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this 25th day of May, 1999.

Evermay, LLC
a North Carolina Limited Liability Corporation

By: Herman A. Moore, IV
Managing Member

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

I, Elizabeth W. Wolff, a Notary Public for said County and State, do hereby certify that Herman A. Moore, IV personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

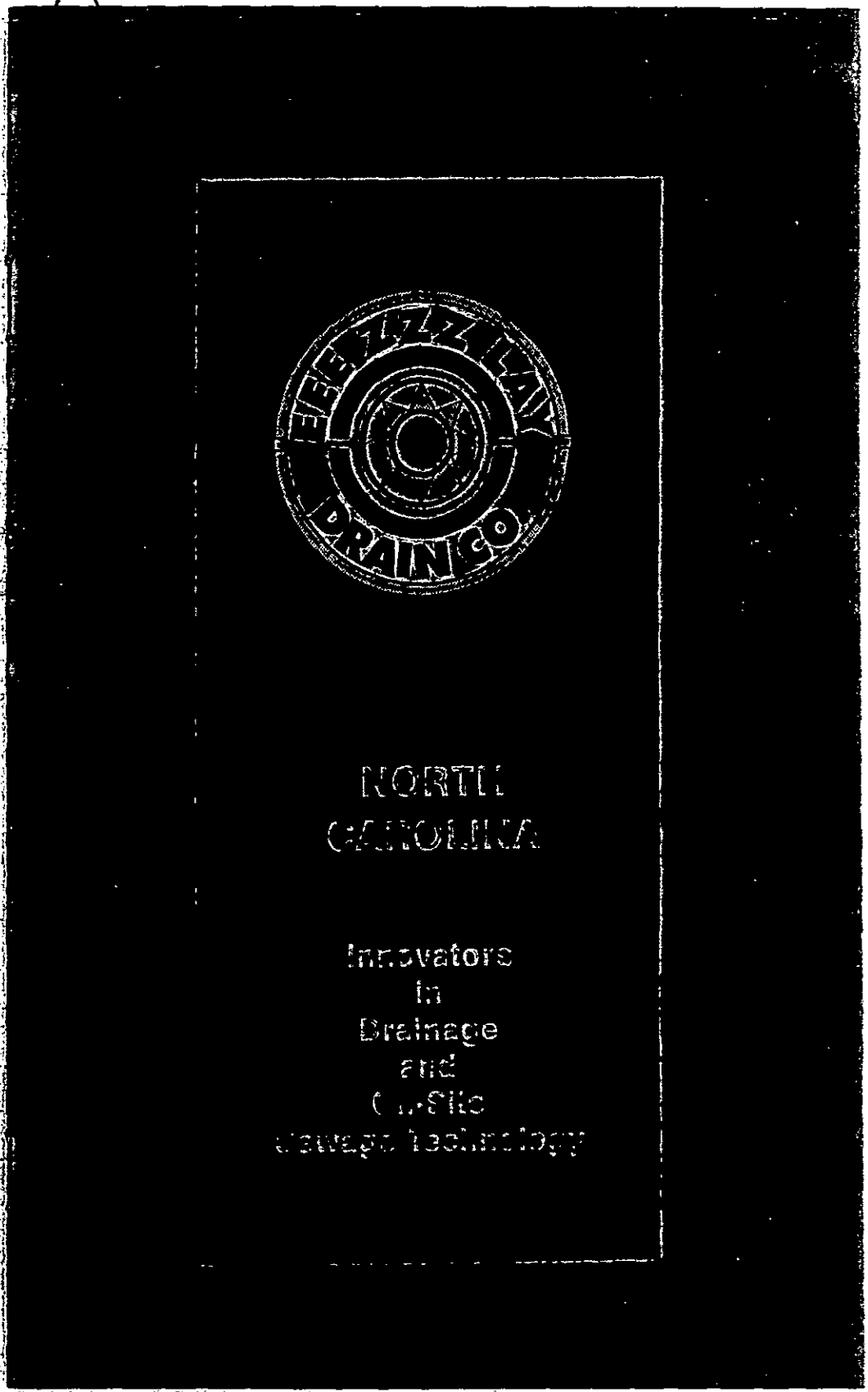
WITNESS my hand and notarial seal, this 25th day of May, 1999.

Elizabeth W. Wolff
Notary Public

My Commission Expires:
9-19-2000

File Copy

MCHD - File - 2612-B

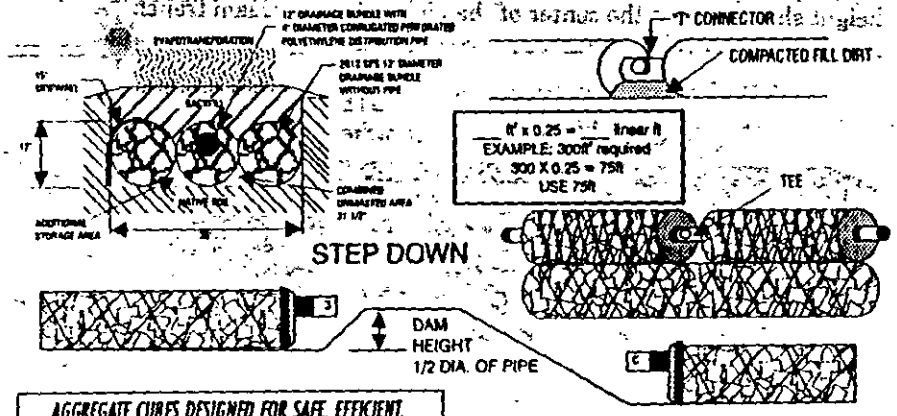


Whitaker
866-9548

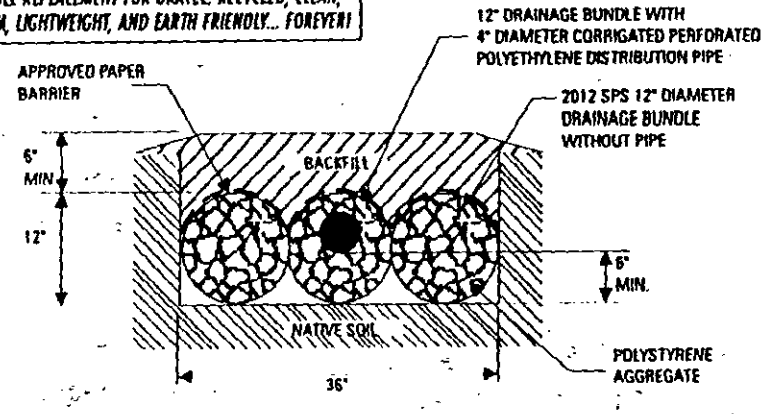
File: 2612-B

EEE ZZZ Lay Drain Company
2012 Shallow Placement
Septic Effluent Disposal System

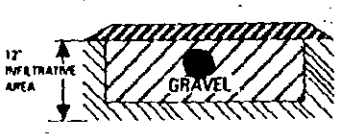
1. This system may be placed in a 36" wide trench with a minimum trench depth of 18."
2. The trench length modification is justified by the lack of fines, stone masking, highly reduced compaction on the bottom area along with the extra infiltrative surface area of the cylindrical shape, all contribute to bring you one of the most effective, time-proven, cost-effective system available; this system as with all other EEE ZZZ Lay Drain systems is fast, easy, and reliable.



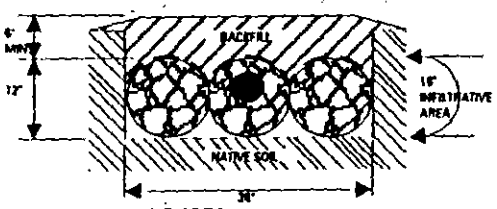
AGGREGATE CUBES DESIGNED FOR SAFE, EFFICIENT, RELIABLE REPLACEMENT FOR GRAVEL. RECYCLED, CLEAN, UNIFORM, LIGHTWEIGHT, AND EARTH FRIENDLY... FOREVER!



CONVENTIONAL SYSTEM

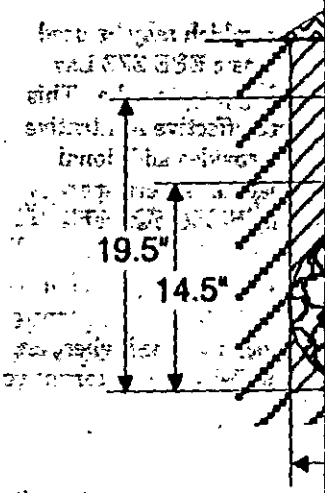


EEE ZZZ LAY DRAIN SYSTEM



EFFECTIVE SIDEWALL INFILTRATIVE AREA

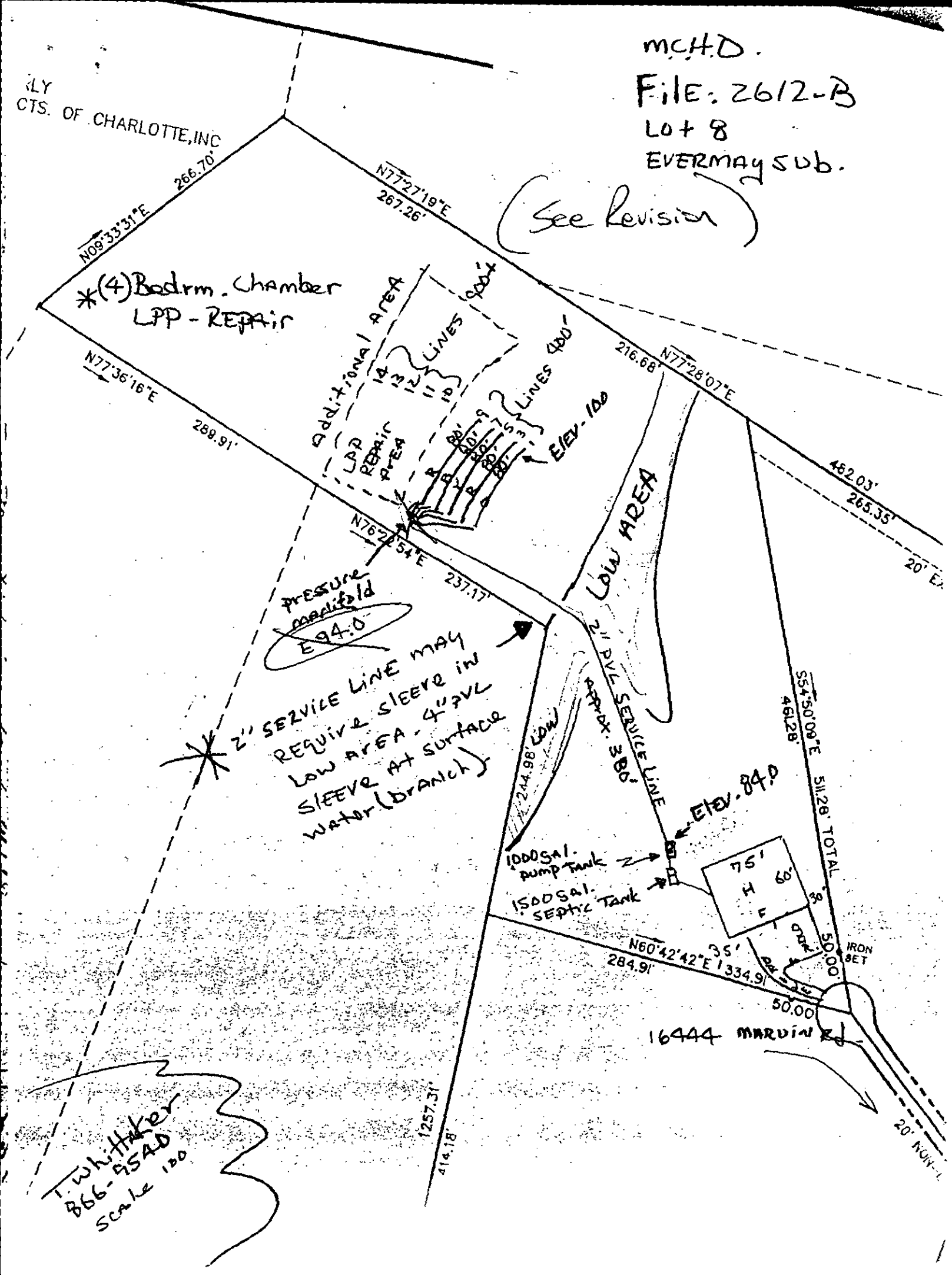
Analyti
Alte
Calculations for
Installati



Sq.

2012 TR

This system is the most e
system installs in a 30" w
cover). The triangular co
any system on the marke
than adequate in replacin


MCHD.
File: 2612-B
Lot 8
Evermay Sub.
(See Revision)
CTS. OF CHARLOTTE, INC
N09°33'31"E 266.70'
N77°27'19"E 267.26'
*(4) Bedrm. Chamber
LPP - Repair
Additional Area
LPP Repair Area
Lines 400'
Elev. 100
N77°36'16"E 289.91'
216.68'
N77°28'07"E
462.03'
265.35'
20' Ex
N76°26'54"E 237.17'
Low Area
Pressure manifold
E94.0
2" Service Line may require sleeve in Low Area - 4" PVC sleeve at surface water (branch)
2" PVC Service Line
Approx. 380'
244.98' Low
Elev. 84.0
1000 Sal. pump tank
1500 Sal. Septic Tank
S54°50'09"E 511.28' TOTAL
462.28'
75'
60'
H
F
30'
50.00'
Iron Set
N60°42'42"E 334.91'
284.91'
35'
50.00'
16444 Marvin Rd
20' Non-
T. Whitaker
866-9540
Scale 100
1257.31'
414.18'

mCHD.
File: 2612-B

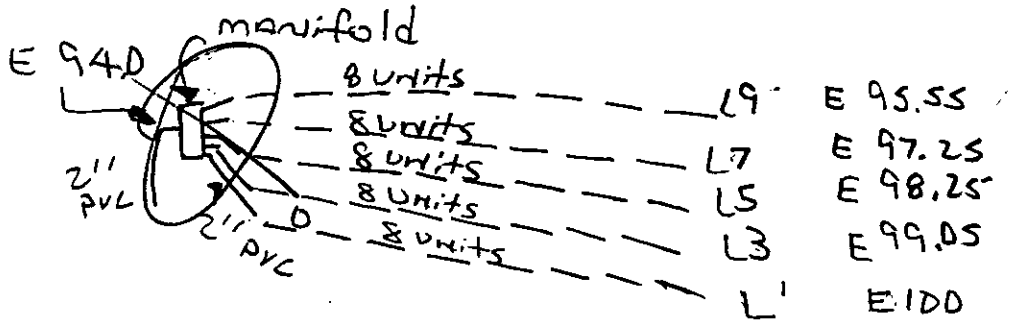
SPEC SHEET

(4) Bedrm. Pumped, Pressure MANIFOLD EEE-ZZZ LAY Chamber Sys. LPP REPAIR:

2012 Shallow PLACED SYS. EEE-ZZZ LAY

(5) 80' LINES = 400'

(8) UNITS PER LINE = 40 UNITS Total

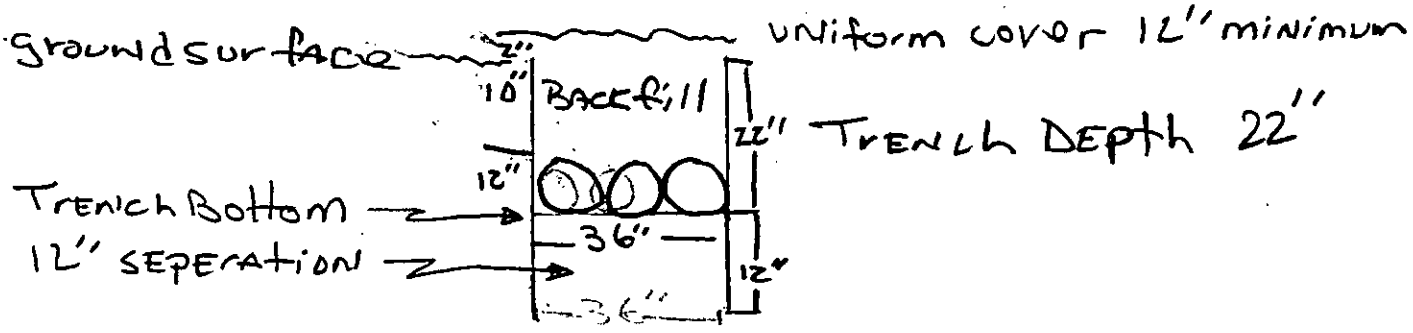


see revision

* 1,500 GAL. SEPTIC TANK
  1,000 GAL. PUMP TANK
  (1) PRESSURE MANIFOLD - (SEE MANIFOLD Sheets 1-3)

* RISER & FILTER rules Apply - Contractors choice

TRENCH Profile



* TRENCH Profile & SYSTEM PLACEMENT based ON soil borings 8, 9, 10 M.C.H.D.
* INSTALL PER MANUFACTURES SPECS.

T. Whittaker
NO SCALE

M.C.H.D.
F:/E 2612-B

* SPECS: PRESSURE MANIFOLD

33.55 gpm flow @ 18.5 TDH

.4 HP pump (Installers choice)

5 - Sch. 80 Taps ½"
6" Sch. 80 manifold
2" Sch. 40 to EEE-222 LAY lines

9" drawdown - pump Tank
5.8 minute pump cycle

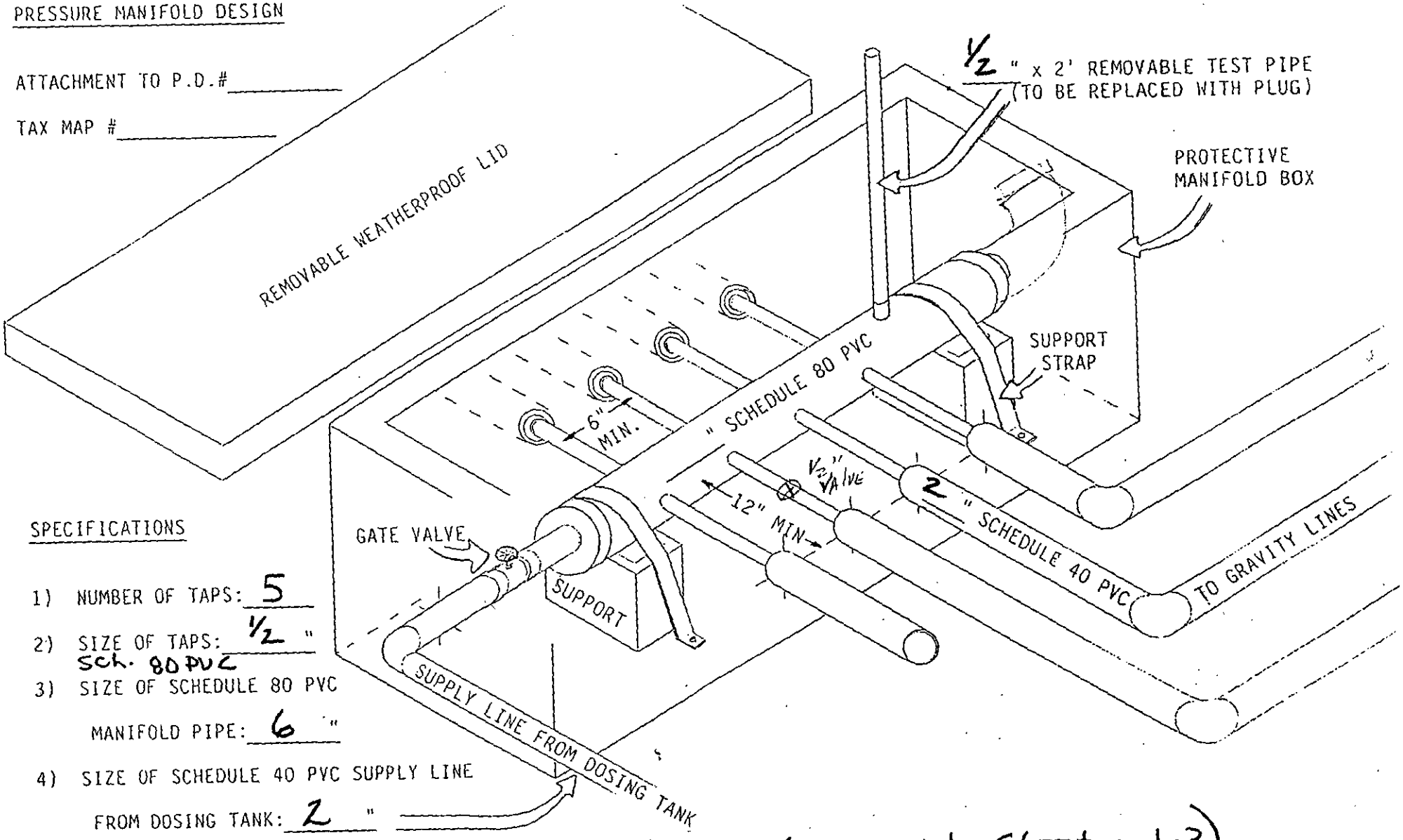
(SEE Sheets 1-3)

File: 2612-B

PRESSURE MANIFOLD DESIGN

ATTACHMENT TO P.D.#_____

TAX MAP #_____



SPECIFICATIONS

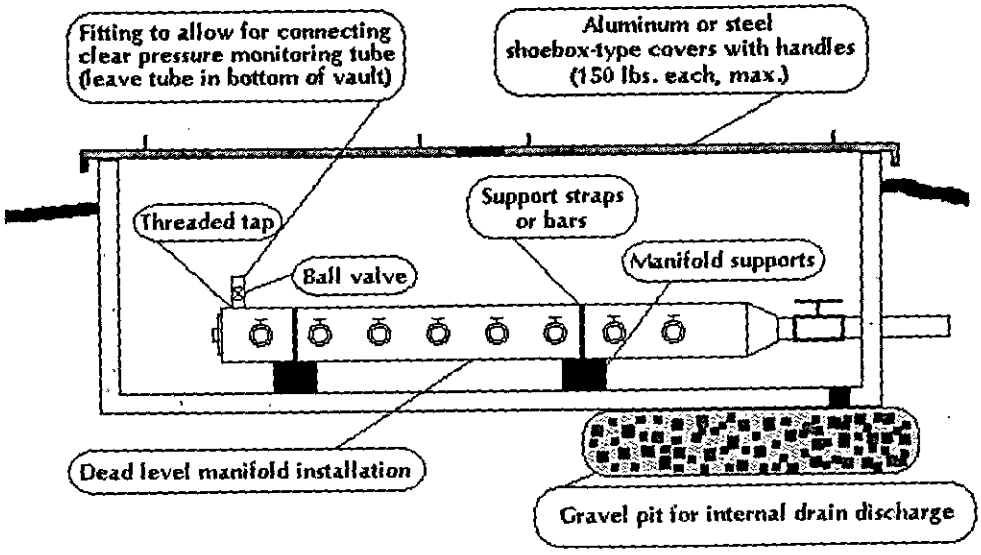
1) NUMBER OF TAPS: 5

2) SIZE OF TAPS: ½ " Sch. 80 PVC

3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 6 "

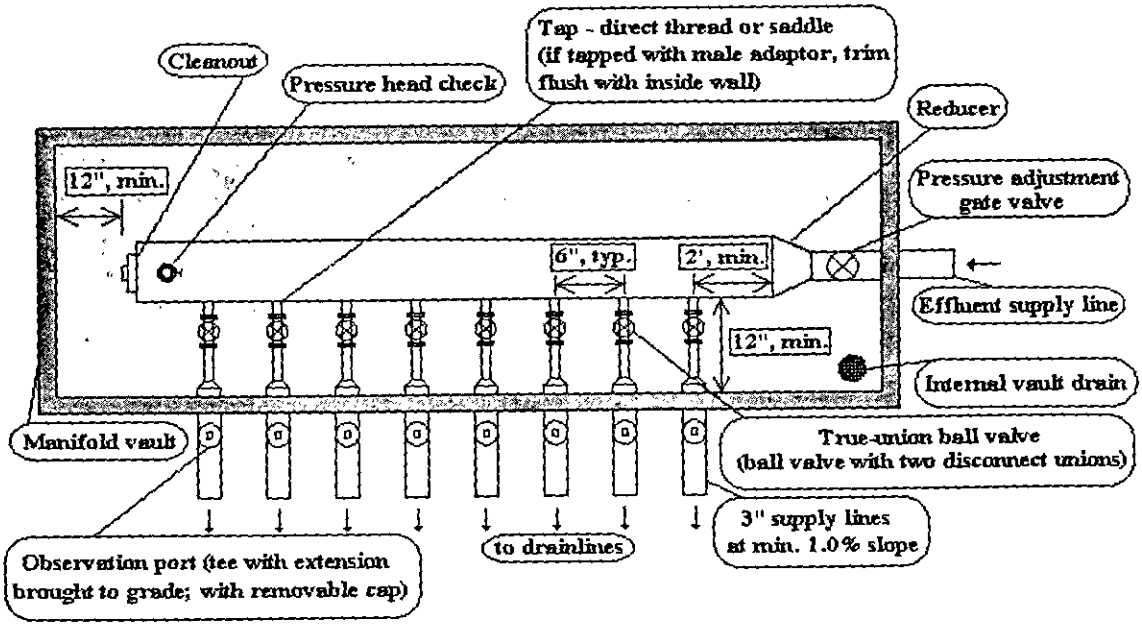
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 2 "

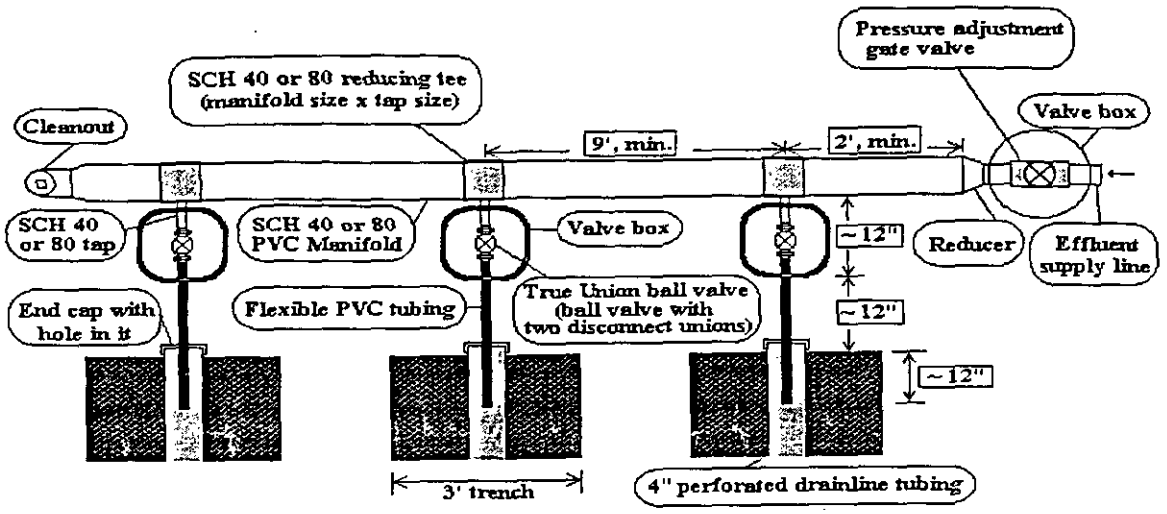
(SEE attch. Sheets 1-3)



Profile View of Pressure Manifold for Sloping Site Installation

(not to scale)



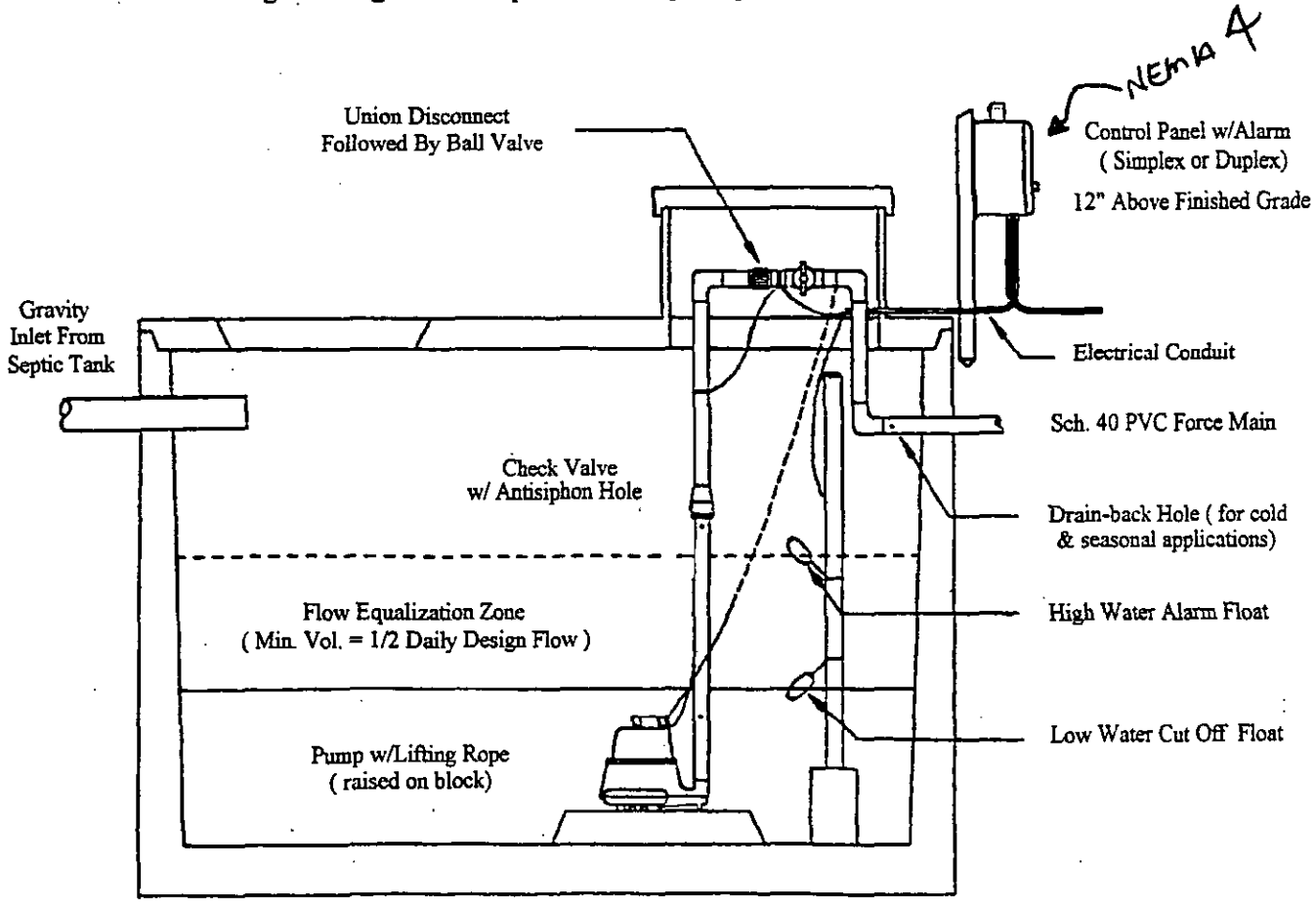


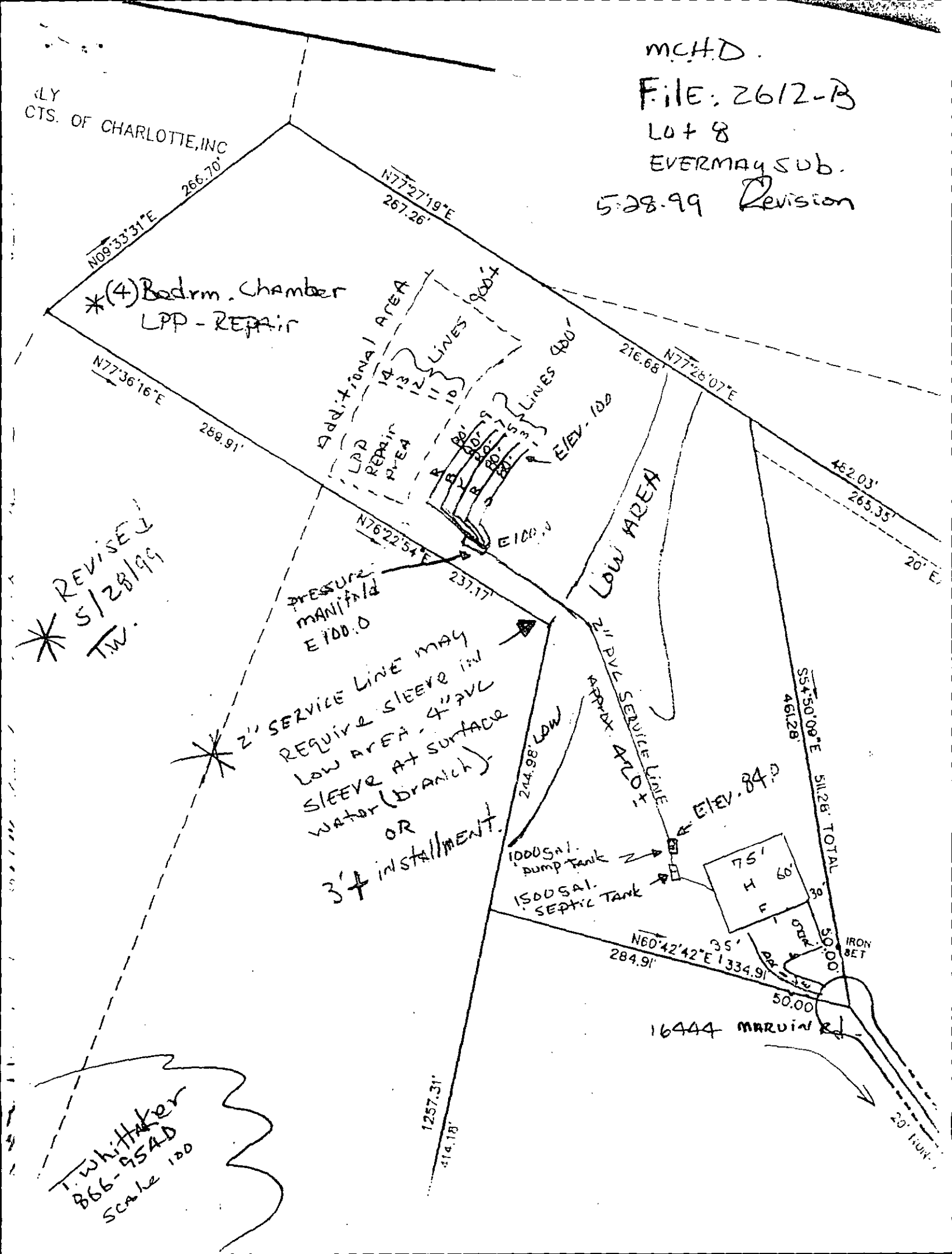
Plan View of Pressure Manifold for Level Site Installation

(not to scale)

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.




MCHD.
FILE: 2612-B
LOT 8
EVERMAY SUB.
5-28-99 Revision
CTS. OF CHARLOTTE, INC
N09°33'31"E 266.70'
N77°27'19"E 267.26'
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N77°36'16"E 268.91'
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LINES 90'±
LPP REPAIR AREA
LINES 90'
9
8
7
6
5
4
3
ELEV. 100
216.68'
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462.03'
265.35'
20' E
N76°22'54"E 237.17'
E100.0
LOW AREA
REVISED 5/28/99 T.W.
PRESSURE MANIFOLD E100.0
2" SERVICE LINE MAY REQUIRE SLEEVE IN LOW AREA - 4" PVC SLEEVE AT SURFACE WATER (branch) OR 3' + INSTALLMENT.
2" PVC SERVICE LINE APPROX. 420'±
244.98' LOW
ELEV. 84.0
S54°50'09"E 461.28'
511.28' TOTAL
1000 GAL. PUMP TANK
1500 GAL. SEPTIC TANK
75'
H
F
60'
30'
50.00'
IRON SET
N60°42'42"E 1334.91'
284.91'
35'
50.00
16444 MARVIN RD.
1257.31'
414.18'
20' IRON
T. Whitaker
866-9540
SCALE 100

SPEC SHEET

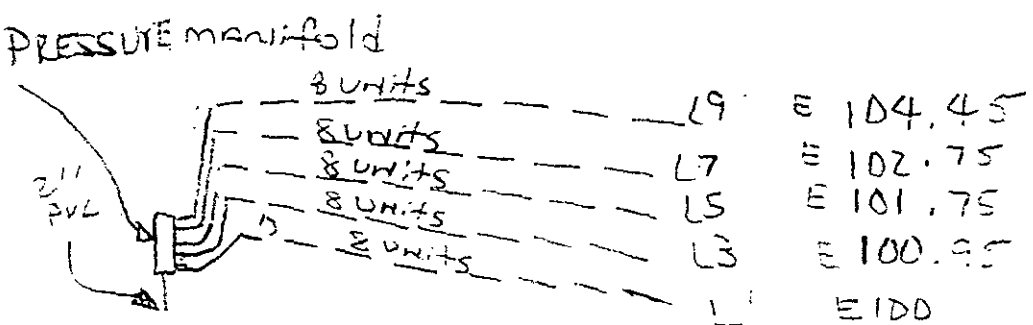
MCHD.
File: 2012-B

(4) Bedrm. Pumped, Pressure Manifold EEE-222 Lal Chamber Sys. LPD Repair;

2012 Shallow Placed Sys. EEE-222 Lal

(5) 80' LINES = 400'

(8) UNITS PER LINE = 40 units Total

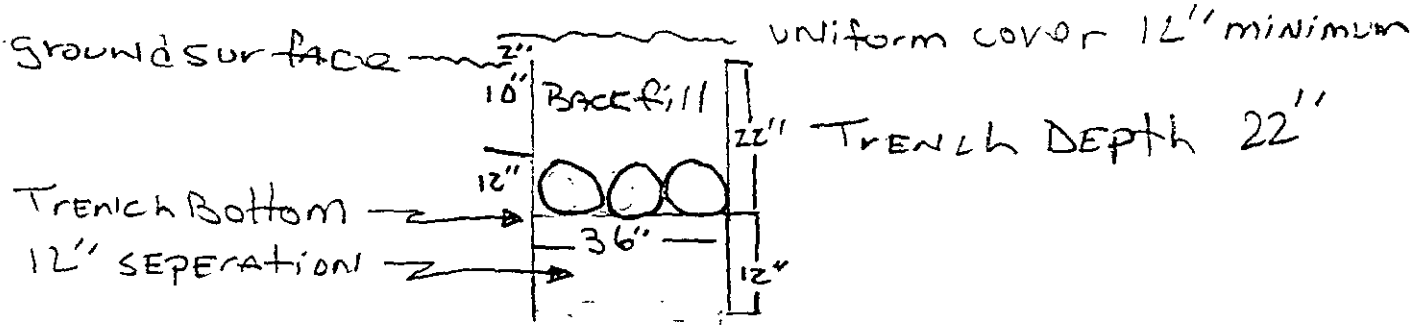


* 1,500 gal. Septic Tank
1,000 gal. Pump Tank

(1) PRESSURE MANIFOLD - (SEE MANIFOLD Sheets 1-3)

* Riser & Filter rules Apply - Contractors choice

Trench Profile



* Trench Profile & System Placement based on soil borings 8, 9, 10 M.C.H.D.
* Install per manufactures specs, on Grade & Contour

T. Whitaker
NO SCALE

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

#2

Sheet 1
PROPERTY ID #: 223-081-34
Lot # : 8
File # : 26123

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Everway, LLC c/o Herman Moore
APPLICANT: _____
DATE EVALUATED: 8-4-96
ADDRESS: 2809 Carran Ct., Charlotte, N.C.
PROPOSED FACILITY: residence
PROPOSED DESIGN FLOW (.1949): 720gpd
PROPERTY SIZE: 5.0
PROPERTY RECORDED: _____
LOCATION OF SITE: 16444 Marvin Road
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	S/O PS 3-15-96 .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS	0-13"	gr/ls	Fr/SEXP/NS/NP	>45" TO soil wetness	45"	N/A	None	PS .39/ft² LL
		13-15"	gr/scl	Fr/SEXP/SS/SP					
		15-45"	SBK/C	Fi/SEXP/SP					
2	LS	0-4"	gr/scl	Fr/SEXP/SS/SP	>20" TO soil wetness	20"	N/A	None	US
		4-20"	SBK/SC ABK	Fi/Mixed/S/P					
3	LS	0-8"	gr/ls	Fr/SEXP/NS/NP	>33" TO soil wetness	33"	N/A	None	US
		8-16"	gr/scl	Fr/SEXP/SS/SP					
		16-29"	SBK/SC	Fi/SEXP/SP					
		29-33"	ABK/SC platy-like	Fi/Mixed/VS/VP					
4	LS	0-7"	gr/ls	Fr/SEXP/NS/NP	>22" TO soil wetness	22"	N/A	None	US
		7-22"	SBK/SC	Fi/Mixed/VS/VP					

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: William R. Mullis 8-6-96
OTHER(S) PRESENT: LSS

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

Sheet 2
PROPERTY ID #:
Lot # :
File # : 26126

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: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS	0-8"	gr/sl	Fr/SExP/NS/NP	>33" TO soil wetness	33"	N/A	None	I-A
		8-27"	SBK/sc	F/SExP/SP					
		27-33"	SBK/sc	F/Mixed/US/US					
6	Depression	0-12"	gr/sl	Fr/SExP/NS/NP	2.5Y6/1 @ 10"	25"	N/A	None	I-A
		12-25"	SBK/sc	F/SExP/SP Mica					
7	R	0-8"	gr/sl	Fr/SExP/NS/NP	>27" TO soil wetness	27"	N/A	None	I-A IV
		8-27"	SBK/sc	F/SExP/SP					
8	R	0-9"	gr/sl	Fr/SExP/NS/NP	>45" TO soil wetness	45"	N/A	None	I-A IV .3/F2
		9-45"	SBK/sc	F/SExP/SP					
		45-46"	SBK/scl	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: _____

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

Sheet 3
PROPERTY ID #:
Lot # :
File # : 2612 A

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: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	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
9	B	0-8"	gr/sl	Fr/SEAPI NP/NP	>34" TO soil wetness	34"	N/A	None	US IV .3g/F2
		8-34"	sbk/sc	F:/SEAPI/slo					
10	B	0-7"	gr/sl	Fr/SEAPI NP/NP	>36" TO soil wetness	36"	N/A	None	PS IV .3g/F2
		7-10"	gr/sl	Fr/SEAPI SS/SP					
		10-26"	sbk/sc	F:/SEAPI/slo					
		26-36"	sbk/sc	Fr/SEAPI SS/SP					
11	B	0-10"	gr/sl	Fr/SEAPI/NS/NP	>32" TO soil wetness	32"	N/A	None	US [redacted] None
		10-12"	sbk/sc	Fr/SEAPI SS/SP					
		12-24"	sbk/sc	F:/SEAPI/SP					
		24-32"	sbk/sc	F:/Mixed/SS/P					
12	B	0-10"	gr/sl	Fr/SEAPI NP/NP	>23" TO soil wetness	23"	N/A	None	US
		10-14"	sbk/sc	F:/SEAPI SP					
		14-23"	sbk/sc	FI-VF:/Mixed/SP/NP					

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

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

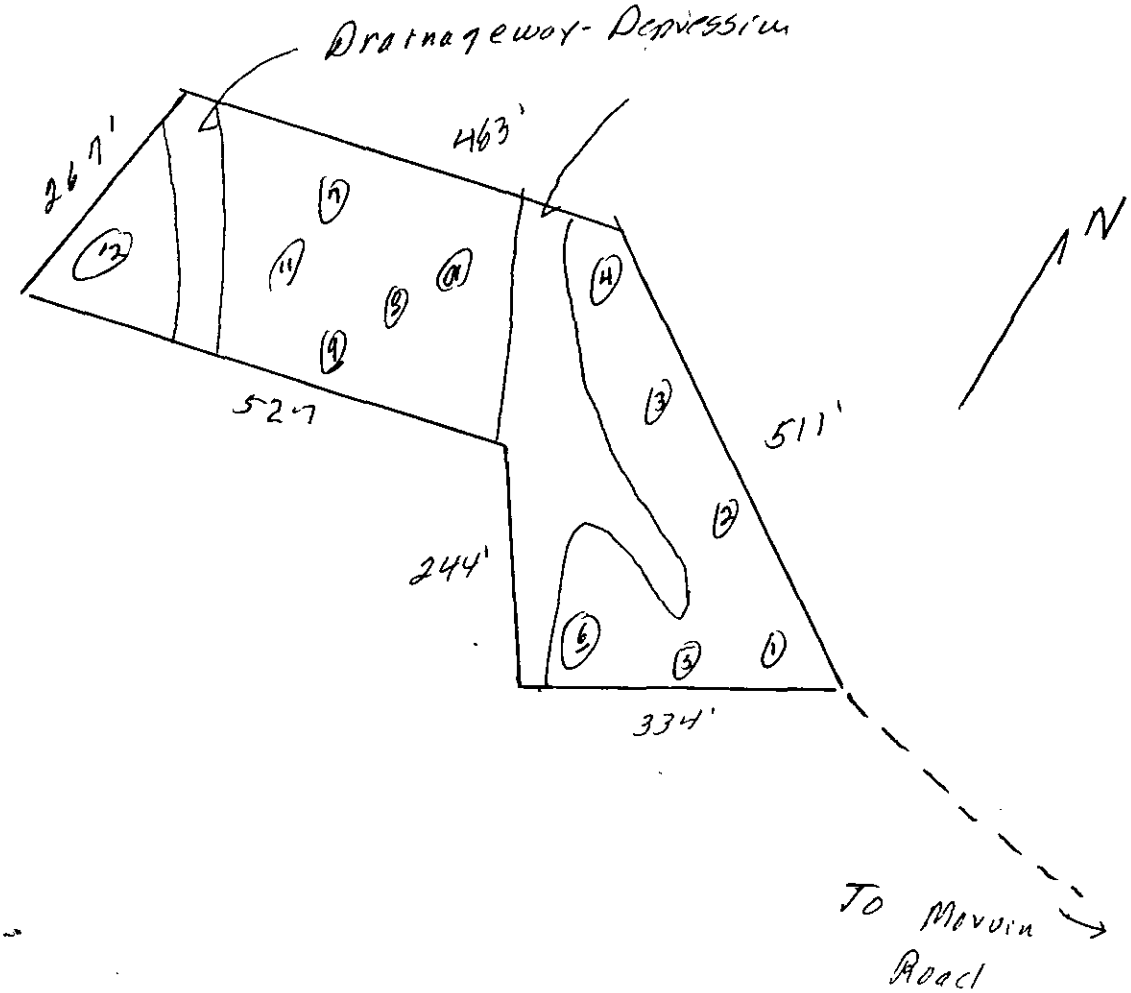
COMMENTS 100% Repair - Due to system (Proposed) size, possibly need to get a system design and site additional field checking of soils

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



FEE: 100.00 CK # 6250
DATE: 7/24/98 JPC

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

1) 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 #: 2628

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 223-081-39

STREET ADDRESS: 16444 Marvin Rd

SUBDIVISION OR MOBILE HOME PARK NAME: EVERMAY

LOT NUMBER: 6

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

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

HEATED SQUARE FOOTAGE: (+/-) 5,500 SF

NUMBER OF BEDROOMS: 5 NUMBER OF OCCUPANTS: 4

CLOSING DATE Sept 1998

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
__ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
X 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 X NO TYPE: _____

WATER SUPPLY (CHECK ONE): __ COMMUNITY (C) __ MUNICIPAL (M) X 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	WELL, SPRINGS OR WATERLINES	__ YES ✓ NO
EXISTING WASTEWATER SYSTEMS	__ YES ✓ NO	DESIGNATED WETLANDS	__ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS	__ YES ✓ NO		

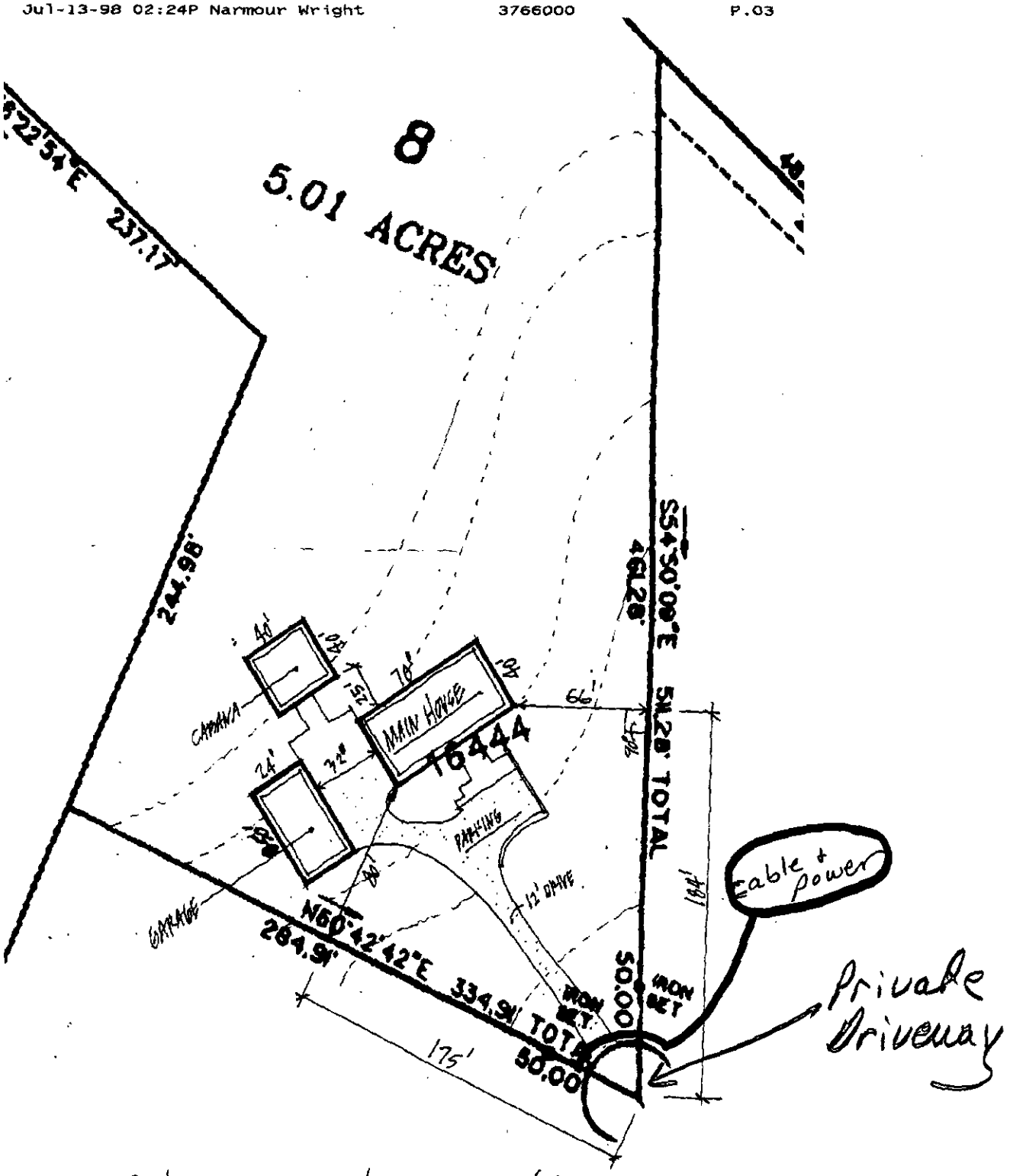
PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: (LAST) Everway, LLC (FIRST) c/o Herman (MI) Moore	NAME: (LAST) (FIRST) (MI)
ADDRESS: 2809 Cavan Court	DAYTIME PHONE: ( ) -
CITY: Charlotte STATE: NC 28270 ZIP:	
DAYTIME PHONE: 704 543 - 6409	

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1993

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: Herman A. Moore, 4 DATE: 7/22/98

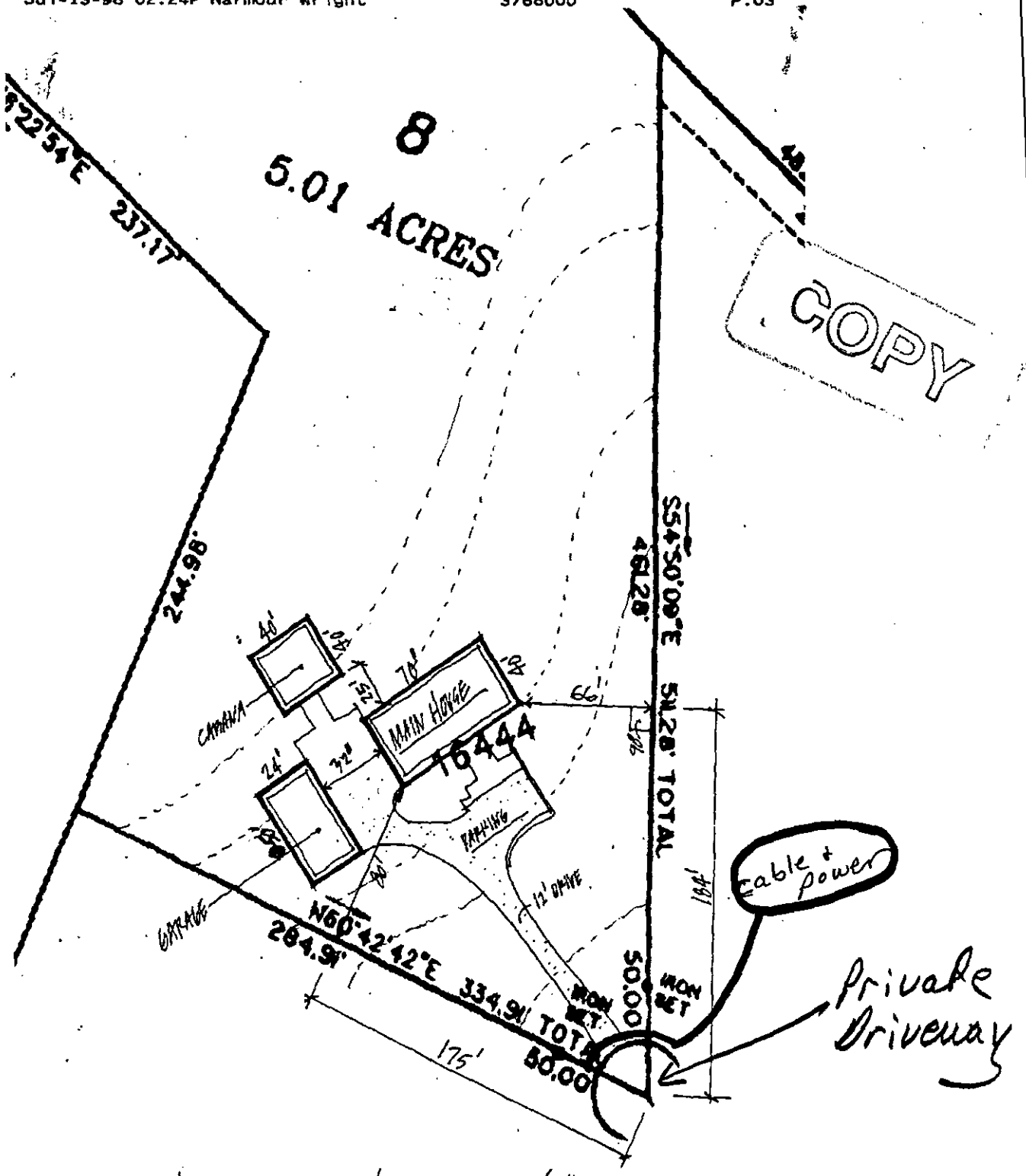
MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102



PRELIMINARY SITE PLAN (1"=50')

July 20, 1998
TAX parcel # 223.081.39
16444 Marvin Road
Lot 8 Everway
5.01 acres

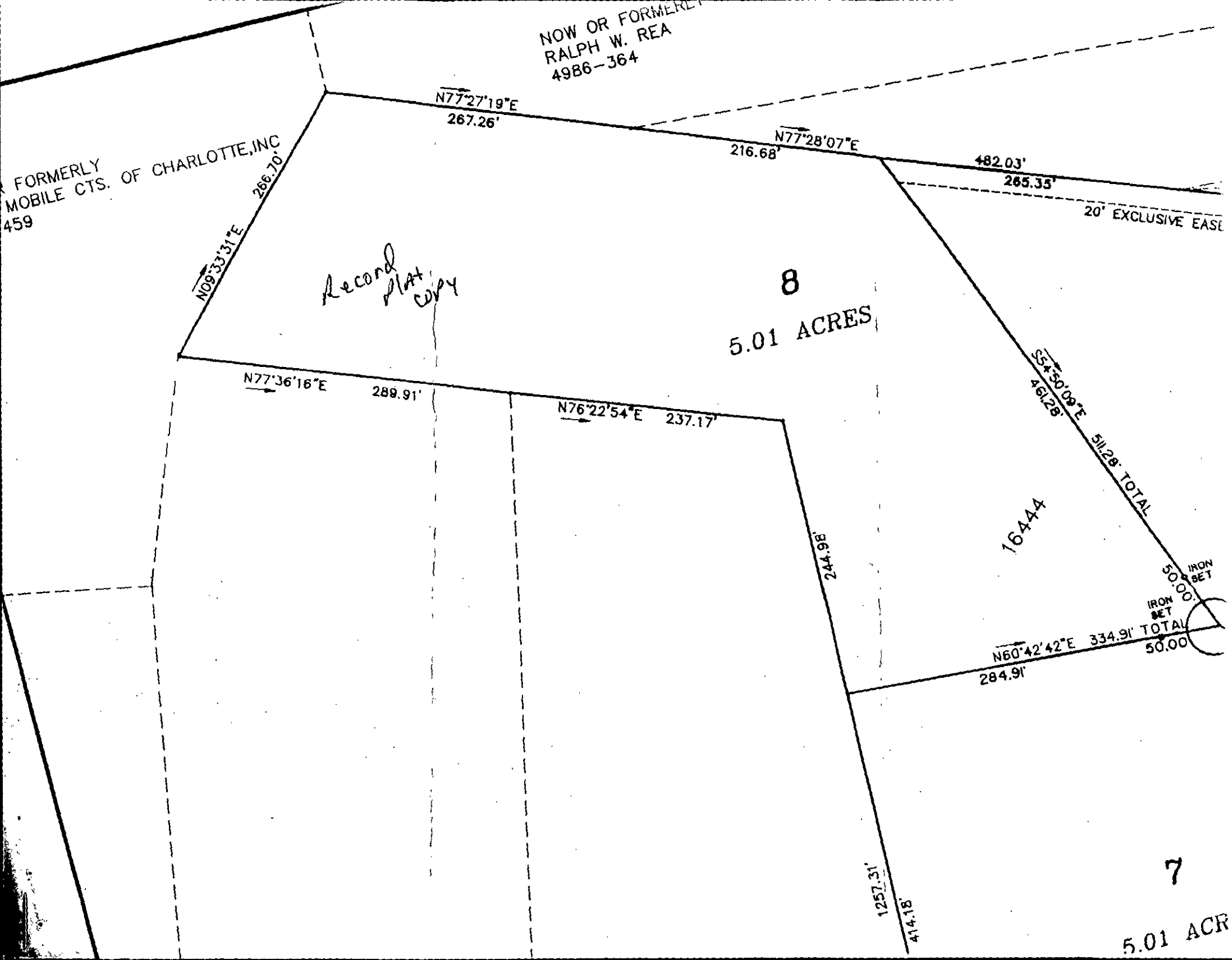
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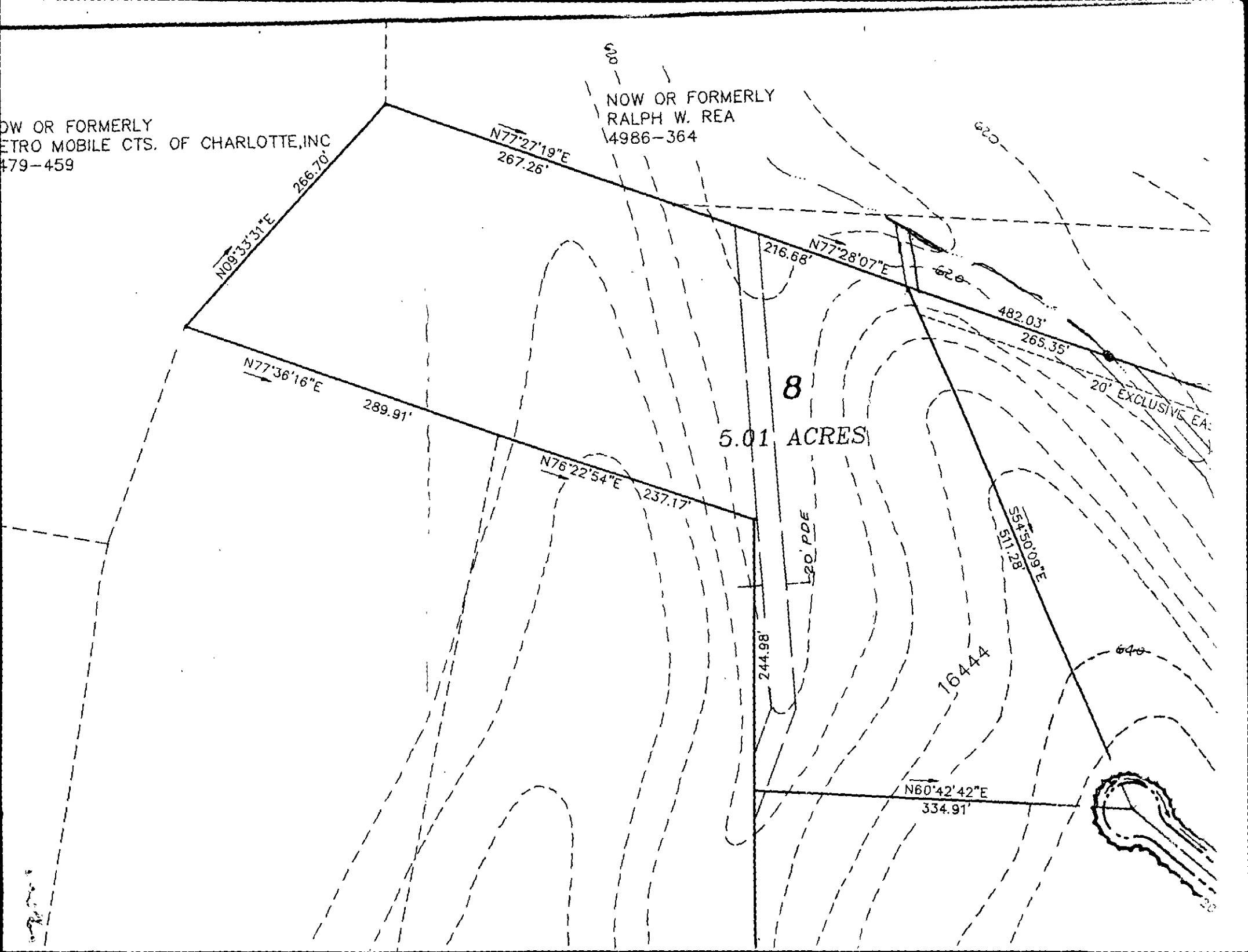


PRELIMINARY SITE PLAN (1"=50')

July 20, 1998
TAX parcel # 223.081.39
16444 Marvin Road
Lot 8 Evermay
5.01 acres

File # 2612B


NOW OR FORMERLY
RALPH W. REA
4986-364
FORMERLY
MOBILE CTS. OF CHARLOTTE,INC
459
N77°27'19"E
267.26'
N77°28'07"E
216.68'
482.03'
265.35'
20' EXCLUSIVE EASE
286.70'
N09°33'31"E
Record Plat Copy
8
5.01 ACRES
N77°36'16"E
289.91'
N76°22'54"E
237.17'
S5°50'09"E
461.28'
511.28' TOTAL
16444
244.98'
50.00'
IRON SET
IRON SET
N60°42'42"E
284.91'
334.91' TOTAL
50.00
1257.31'
414.18'
7
5.01 ACR


OW OR FORMERLY
ETRO MOBILE CTS. OF CHARLOTTE,INC
479-459
NOW OR FORMERLY
RALPH W. REA
4986-364
N09°33'31"E
266.70'
N77°27'19"E
267.26'
N77°28'07"E
216.68'
482.03'
265.35'
20' EXCLUSIVE EA
N77°36'16"E
289.91'
N76°22'54"E
237.17'
8
5.01 ACRES
20' PDE
244.98'
S54°50'09"E
511.28'
N60°42'42"E
334.91'
16444
620
640

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

#2

Sheet 1
PROPERTY ID #: 223-081-39
Lot # : 8
File # : 2612 A

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Everway, LLC c/o Herman Moon APPLICANT: _____
ADDRESS: 2809 Cavan Ct., Charlotte, N.C. DATE EVALUATED: 8-4-96
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 720gpd PROPERTY SIZE: 5.0
LOCATION OF SITE: 16444 Marvin Road PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	Slope % 3-15% .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS	0-13"	gr/ sl	Fr/SEXP/NS/NP	>45" TO SOIL wetness	45"	N/A	None	PS .35/ 52 LE
		13-15"	gr/scl	Fr/SEXP/SS/SP					
		15-45"	SBK/C	F:/SEXP/SP					
2	LS	0-4"	gr/scl	Fr/SEXP/SS/SP	>20" TO SOIL wetness	20"	N/A	None	US
		4-20"	SBK / SC ABM	F:/Mixed/S/P					
3	LS	0-8"	gr/ sl	Fr/SEXP/NS/NP	>33" TO SOIL wetness	33"	N/A	None	US
		8-10"	gr/scl	Fr/SEXP/SS/SP					
		10-29"	SBK/SC	F:/SEXP/SP					
		29-33"	ABK/ SC platy-like	F:/Mixed/US/VP					
4	LS	0-7"	gr/sl	Fr/SEXP/NS/NP	>22" TO SOIL wetness	22"	N/A	None	US
		7-22"	SBK/SC	F:/Mixed/US/VP					

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): unsuitable
EVALUATED BY: William R. Mullis 8-6-96
OTHER(S) PRESENT: LSS

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

Sheet 2
PROPERTY ID #:
Lot # :
File # : 26120

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: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS	0-8"	gr/sl	Fr/SExP/NS/NP	>33" To soil wetness	33"	N/A	None	IIe
		8-27"	SBK/sc	F:/SExP/SP					
		27-33"	SBK/sc	F:/Mixed/SP					
6	Depression	0-12"	gr/sl	Fr/SExP/NS/NP	2.5Y6/1 @10"	25"	N/A	None	IIs
		12-25"	SBK/sc	F:/Mixed/SP					
7	R	0-8"	gr/sl	Fr/SExP/NS/NP	>27" To soil wetness	27"	N/A	None	IIs IV
		8-27"	SBK/sc	F:/SExP/SP					
8	R	0-9"	gr/sl	Fr/SExP/NS/NP	>45" To soil wetness	45"	N/A	None	IIs IV .3I/F2
		9-45"	SBK/sc	F:/SExP/SP					
		45-46"	SBK/scl	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: _____

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

Sheet 3
PROPERTY ID #:
Lot # :
File # : 2612 A

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: APPLICANT: DATE EVALUATED:
ADDRESS: PROPERTY SIZE:
PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): PROPERTY RECORDED:
LOCATION OF SITE:
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
9	R	0-8"	gr/sl	Fr/SEAP/NS/Mp	>34" TO SOIL WETNESS	34"	N/A	None	US IV .39/F2
		8-34"	SBK/SC	F:/SEAP/SLO					
10	R	0-7"	gr/sl	Fr/SEAP/NS/Mp	>36" TO SOIL WETNESS	36"	N/A	None	PS IV .39/F2
		7-10"	SBK/SCl	Fr/SEAP/SS/SS					
		10-26"	SBK/SC	F:/SEAP/SLO					
		26-36"	SBK/SCl	Fr/SEAP/SS/SS					
11	A	0-10"	gr/sl	Fr/SEAP/NS/Mp	>32" TO SOIL WETNESS	32"	N/A	None	US [redacted] None
		10-12"	SBK/SCl	Fr/SEAP/SS/SP					
		12-24"	SBK/SC	F:/SEAP/SLP					
		24-32"	SBK/SC	F:/Mixed/SLP					
12	A	0-10"	gr/scl	Fr/SEAP/NS/Mp	>23" TO SOIL WETNESS	23"	N/A	None	US
		10-14"	SBK/SC	F:/SEAP/SLP					
		14-23"	SBK/SC	Fr-VFr/Mixed/SL/P					

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 # 2612B

COMMENTS 100% Repair - Due to system (Proposed) size, possibly need to get a system design and then do additional field checking of soils

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

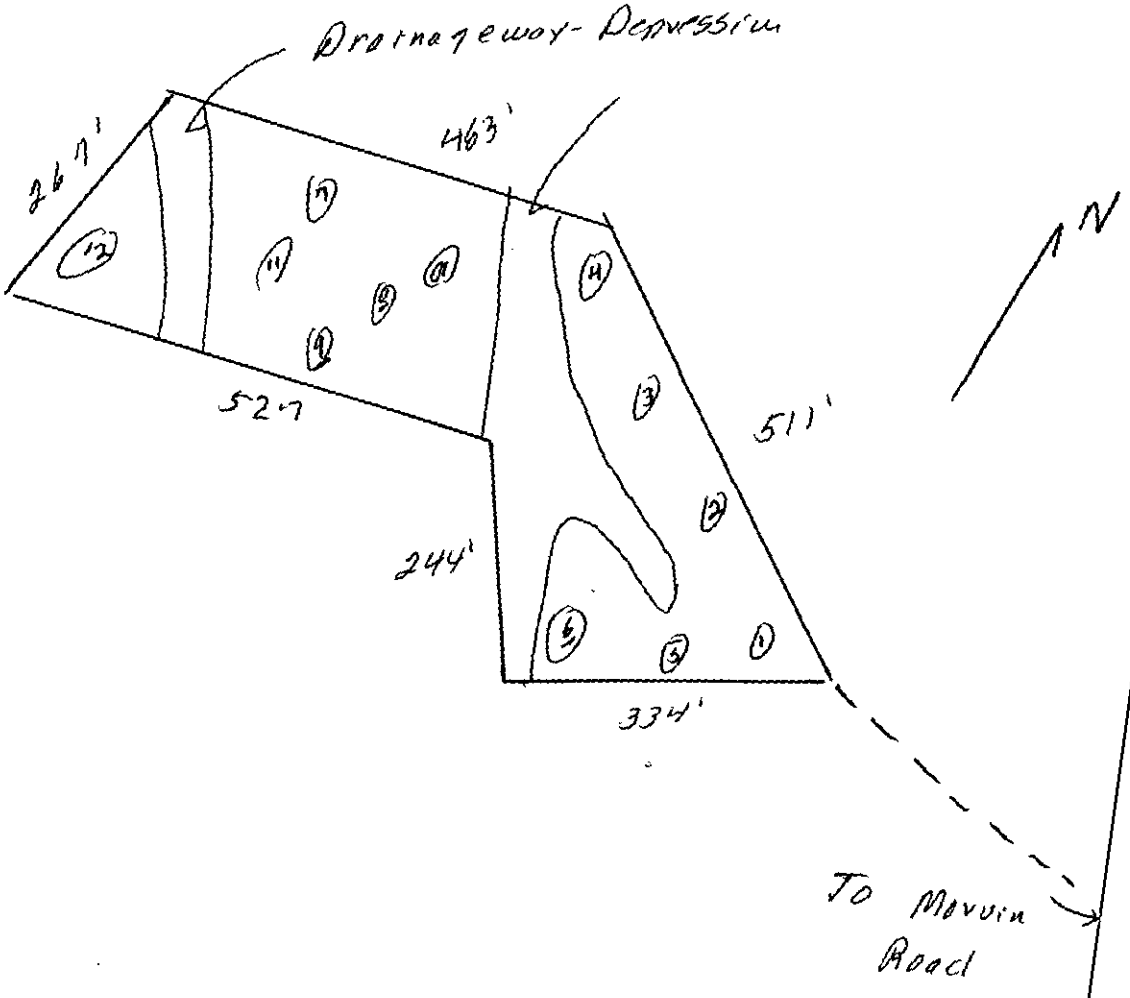
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



Fax

2612 B

RudolphMoore Properties, LLC

Herman A. Moore, III

Phone: 704-541-3800 Fax: 704-541-1006

Date: Friday, October 02, 1998

To: Mecklenburg County Health Department
Mr. Bill Marlin
Phone: 704-336-5574
Fax: 704-336-6894

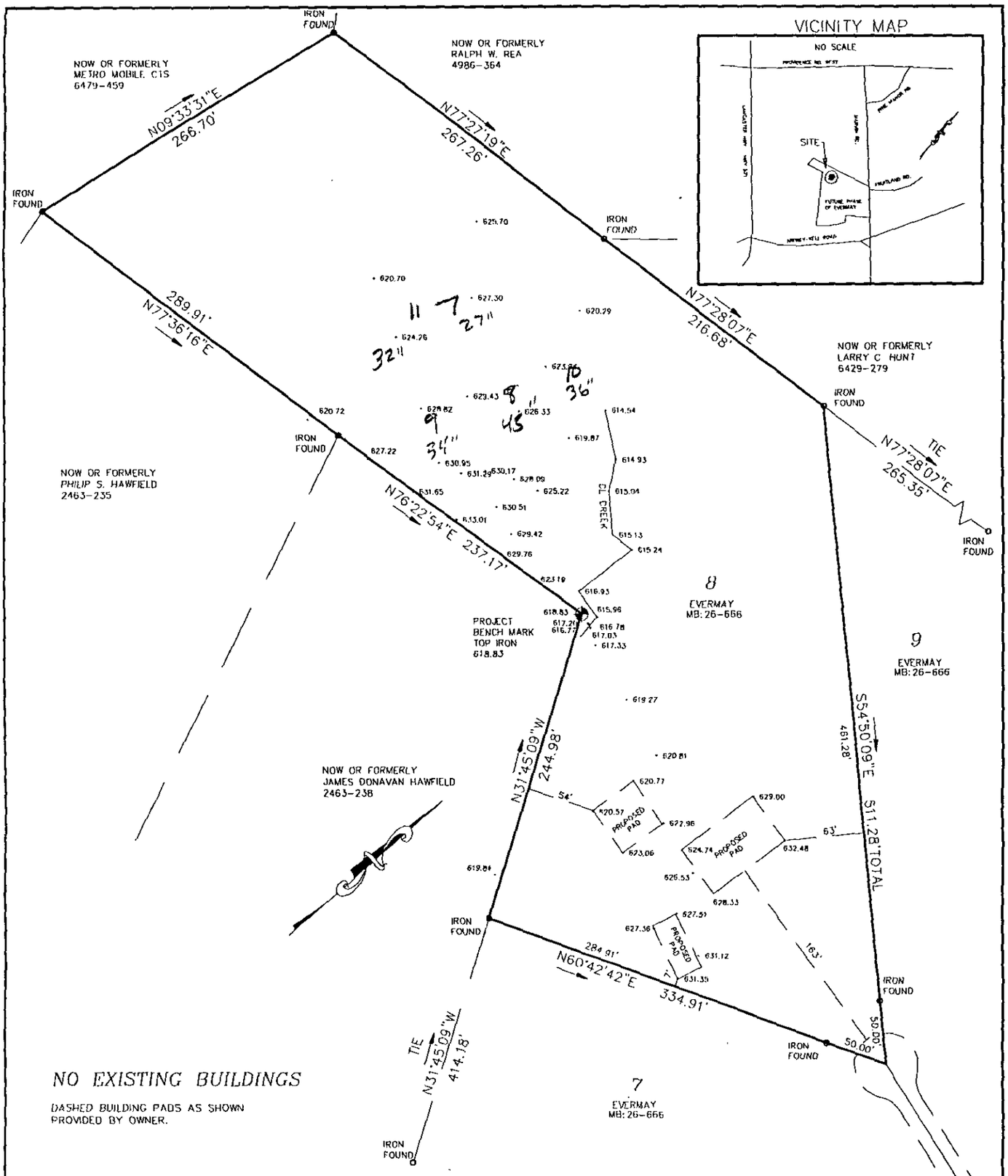
Pages: 2

Subject: Lot 8 Evermay
Site plan + elevations

BILL ~

To follow is a plot plan of Lot 8 showing the footprint and elevations of the house as well as numerous other elevations on the site. Please review and let me know as soon as possible how you want to proceed. Thanks.

Herman III



LEGEND

MB: - MAP BOOK

NOTES

MECHANICAL APPARATUS MAY NOT BE CLOSER TO SIDE LOT LINE THAN SIDEYARD RESTRICTION. BUILDER TO TAKE THIS IN CONSIDERATION WHEN PLACING MECHANICALS.

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.

NORTH CAROLINA REGISTERED L1768 LAND SURVEYOR SAM F. WILLIAMS

10-2-98

MAP FOR

PRELIMINARY PLOT PLAN FOR: HERMAN MOORE III

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 100'	PROVIDENCE	MECK.	N.C.	6-5-97

LOT 8 EVERMAY

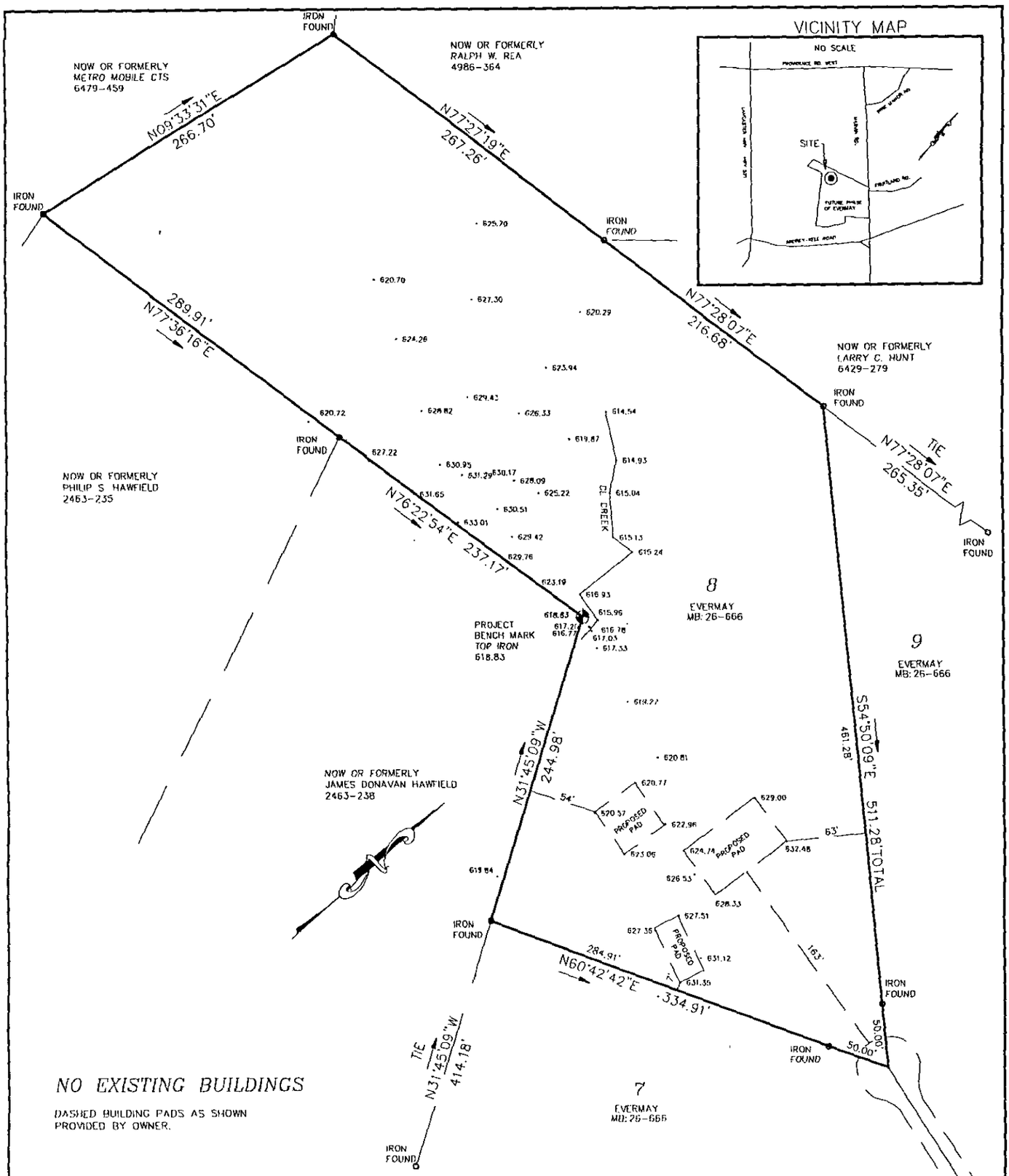
MARVIN ROAD

SURVEYED

MAPPED JEW

YARBROUGH-WILLIAMS & ASSOC., INC.
730 WINDSOR OAK COURT
CHARLOTTE, N.C., 28273

MAP RECORDED 26-666
DEED RECORDED



LEGEND

MB: - MAP BOOK

NOTES

MECHANICAL APPARATUS MAY NOT BE CLOSER TO SIDE LOT LINE THAN SIDEYARD RESTRICTION. BUILDER TO TAKE THIS IN CONSIDERATION WHEN PLACING MECHANICALS.

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.

NORTH CAROLINA REGISTERED L-1768 LAND SURVEYOR SAM F. WILLIAMS

10-2-98

MAP FOR: PRELIMINARY PLOT PLAN FOR: HERMAN MOORE III

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 100'	PROVIDENCE	MECK.	N.C.	6-5-97

LOT 8 EVERMAY

MARVIN ROAD

SURVEYED

MAPPED JEW

YARBROUGH-WILLIAMS & ASSOC., INC.
730 WINDSOR OAK COURT
CHARLOTTE, N.C., 28273

MAP RECORDED 26-666

DEED RECORDED



RudolphMoore Properties, LLC

Herman A. Moore, III

Phone: 704-372-8000 Fax: 704-372-8003

Date: Tuesday, , 2007

To: Mecklenburg County Health Department
Mr. Larry Thompson
Phone: 704-336-5568
Fax: 704 336 6894

Pages: 4

Subject: Wastewater Treatment and Disposal System
Design Agreement

Lot 8 of Everday
16444 Marvin Road
Parcel # 223-081 39

Larry –

I am e-mailing you the original today. Please call me ASAP re: Improvement permit for this lot. My cellphone is 533 3005 Thanks you.

Herman Moore, III

Jerry, I called Mr. Nixon & informed him that this document needs to be routed to the Deputy of Defense

GF

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 2612B
PARCEL # 223-081-34

The undersigned, Evermay, LLC, owner of property located at 16444 Marvin Road (the "site") and described in an instrument recorded in Book 26 at Page 666, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunctioning such system.

The undersigned further acknowledges that the following conditions will apply to the site:

Any thing on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation

This instrument was prepared by: _____

Mail after recording to: _____

Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located

When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to Rule .1961, "Maintenance of Sewage Systems," for further information.)

Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system

At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and it is agreed that the covenants and agreements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this 25th day of May, 1994.

Everway, L.L.C.
a North Carolina Limited
Liability Corporation

By: Herman A. Moore, III
Managing Member

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

I, _____, a Notary Public for said County [illegible] do hereby certify that Herman A. Moore, III personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 25th day of May, 1999.

_____
Notary Public

My Commission Expires:
_____