

12900 WESTMORELAND FARM RD

12/31/2007

duponbj

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

= pump Tank E 88.0

= SERVICE LINE Shots

= Pressure Manifold E1 .0

* TDH = 31' at 26.84 GPM

NOTES:

COMMON OPEN SPACE

Lot 21

20' P.S.D.E.

COMMON OPEN SPACE ACCESS EASEMENT

Septic

Pump Tank

1,000 GAL. PUMP TANK

PROPOSED 1,500 GALLON SEPTIC TANK, SEE DETAIL SHEET # 4 OF 4

1500 GAL. SEPTIC TANK

1000 GAL. pump TANK EIV. (8)

2" SERVICE LINE

Deck

3" PVC SCH. 40 FORCE MAIN

2" SEPARATION

EXIST. 2" B.O.

EXIST. 6" G.V.

EXIST. 6" W.L.

WESTMORELAND FARM ROAD

EXIST. 6" W.L.

EXISTING FORCE MAIN

EXIST. 1,000 GAL. PUMP TANK

EXIST. 1,500 GAL. SEPTIC TANK

EXIST. 6" G.V.

EXIST. 8"x6" RED.

EXIST. 8"x6" TEE

EXIST. 8" G.V.

EXIST. F.H.

60' PUBLIC R/W

Not Installed 12/98

1,000 GAL. PUMP TANK

1,500 GAL. SEPTIC TANK

3" PVC SCH. 40 FORCE MAIN

PROPOSED 1,500 GALLON SEPTIC TANK, SEE DETAIL SHEET # 4 OF 4

20' P.S.D.E.

FORMERLY LOT 2 RECORDED IN MB 25 PG 704

COMMON OPEN SPACE

3" PVC SCH. 40 FORCE MAINS WITH 2" SEPARATION

EXIST. 2" B.O.

EXIST. 2" G.V.

1,000 GAL. PUMP TANK

EXISTING 3" FORCE MAIN

Septic Sys. Lot 21

Lot 21

240

REPAIR AREA

NITRIFICATION FIELD FOR LOT # 22

NITRIFICATION FIELD FOR LOT # 18

REPAIR AREA

FOR LOT # 23

FORMERLY LOT 14 RECORDED IN MB 25 PG 704

PROPOSED 1,500 GALLON SEPTIC TANK, SEE DETAIL SHEET # 4 OF 4 (TYPICAL)

1,000 GAL. PUMP TANK

SEE DETAIL SHEET # 3 OF 4 (TYPICAL)

10' FORCE MAIN EASEMENT

Septic esmt Lot 19 (See Spec. Sheets)

ATCH-LINE

HEET # 2 OF 4

(1547 B) revised
entire lot
12-21-98

P-99 submitted

File Copy

M.C.H.D.

File:

Lot 19 Westmoreland Farm

(5) Bedrm. Shallow Placed
EEE-222 Lay (2012) &
Repair, Pumped, Esmt., Pressure
manifold.

T. Schreiber
966-9545

MCHD.

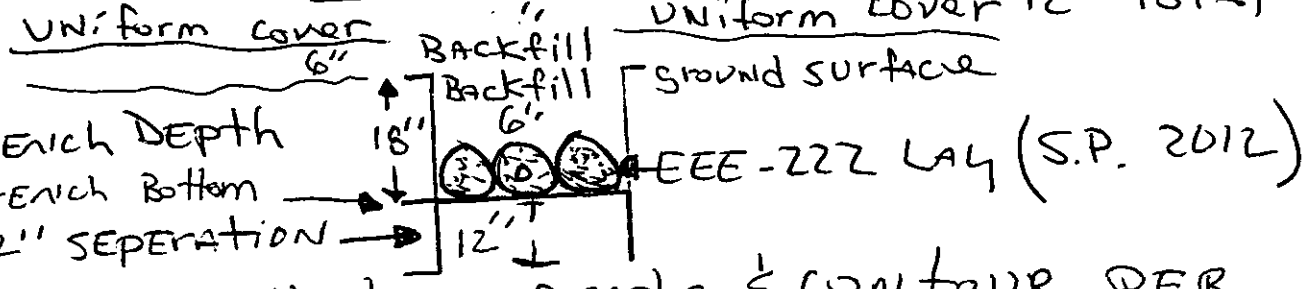
File:
Lot 19
Westmoreland Farm

EEE-222 Lay S. Placed (2012)

(5) Bedrm. Pumped, Pressure Manifold, Septic Sys. & Repair Area

1- 1,500 gal. Septic Tank } Riser & filter rules apply,
1- 1,000 gal. Pump Tank } Contractors Choice (sheets)
1- Pressure manifold - (see spec sheets)
(4) 140' EEE-222 Lay Lines = 56 units Total
(* approx 720' ± 3" Sch. 80 from Pump Tank to Pres. Man.)

Trench Profile



* 560' installed on grade & contour per manfac.

* Pump Specs

* TDH = 31 at 26.84 gpm
* 3/4 H.P. Pump - Installers choice
* 200 gal. pump cycle / dosing cycle = 9" drawdown
* Pump cycle = 7 minutes

T. Whitaker 866-954-

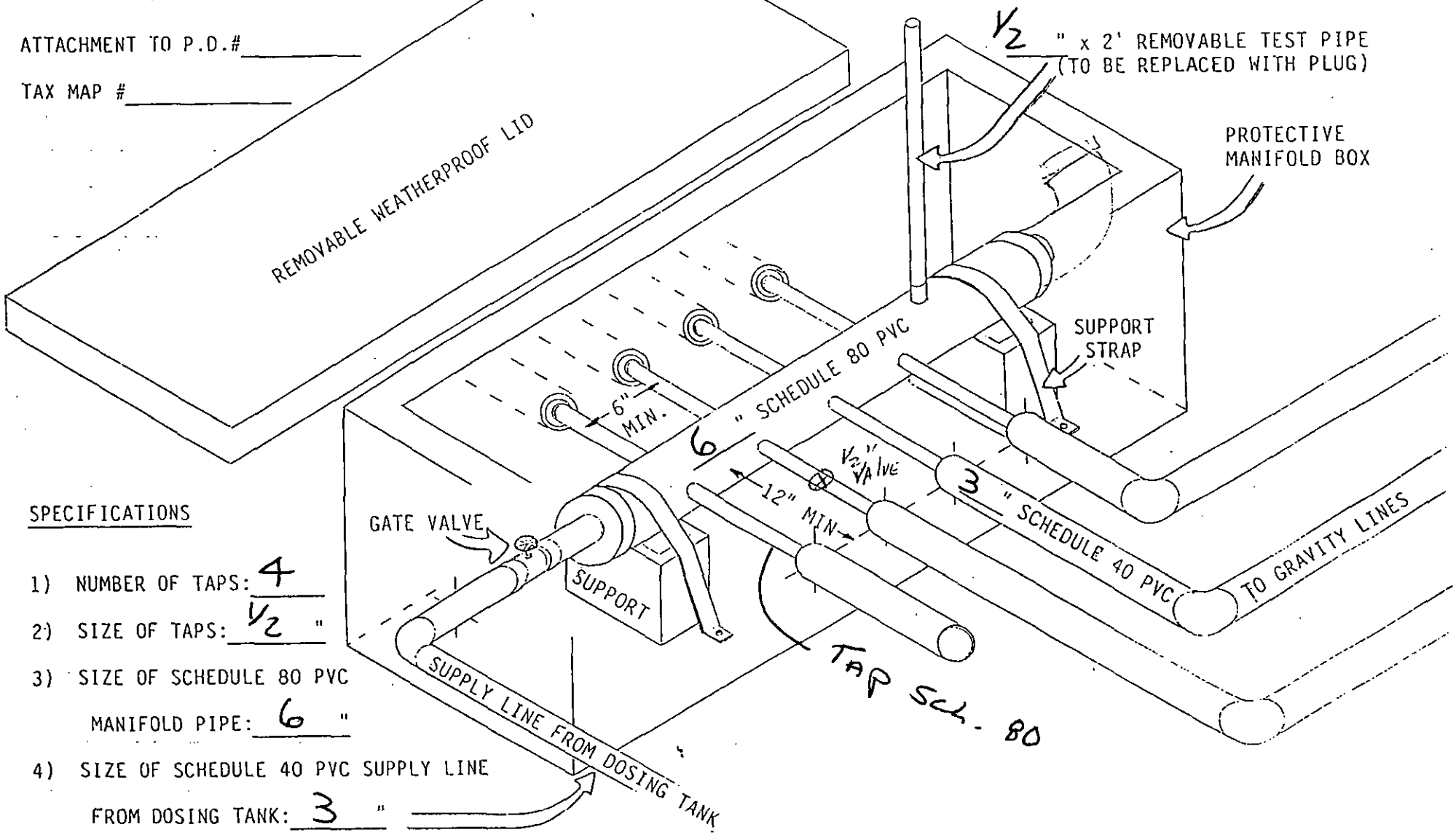
Lot 19 WESTMORELAND FARM File:

X ELEVATION - E 93.0

PRESSURE MANIFOLD DESIGN

ATTACHMENT TO P.D.#_____

TAX MAP #_____



SPECIFICATIONS

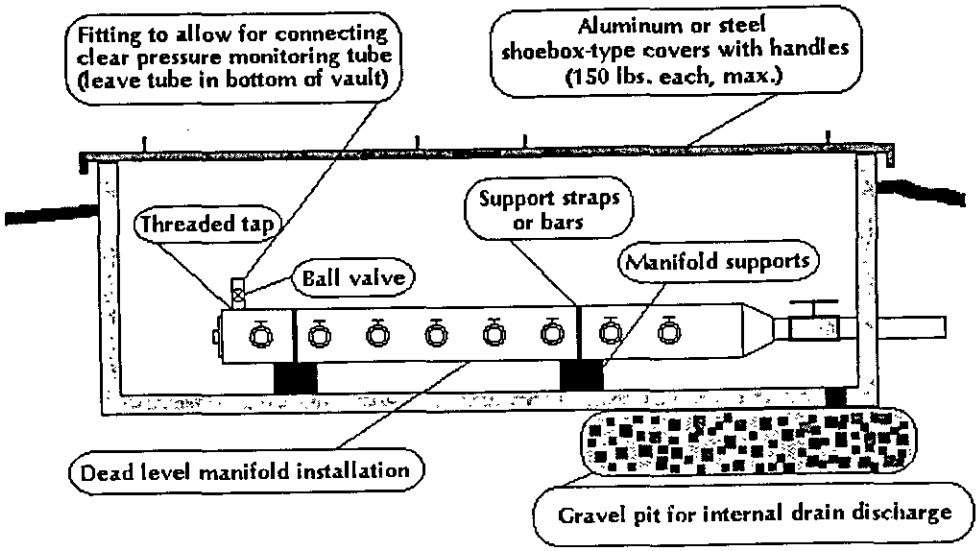
1) NUMBER OF TAPS: 4

2) SIZE OF TAPS: ½ "

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

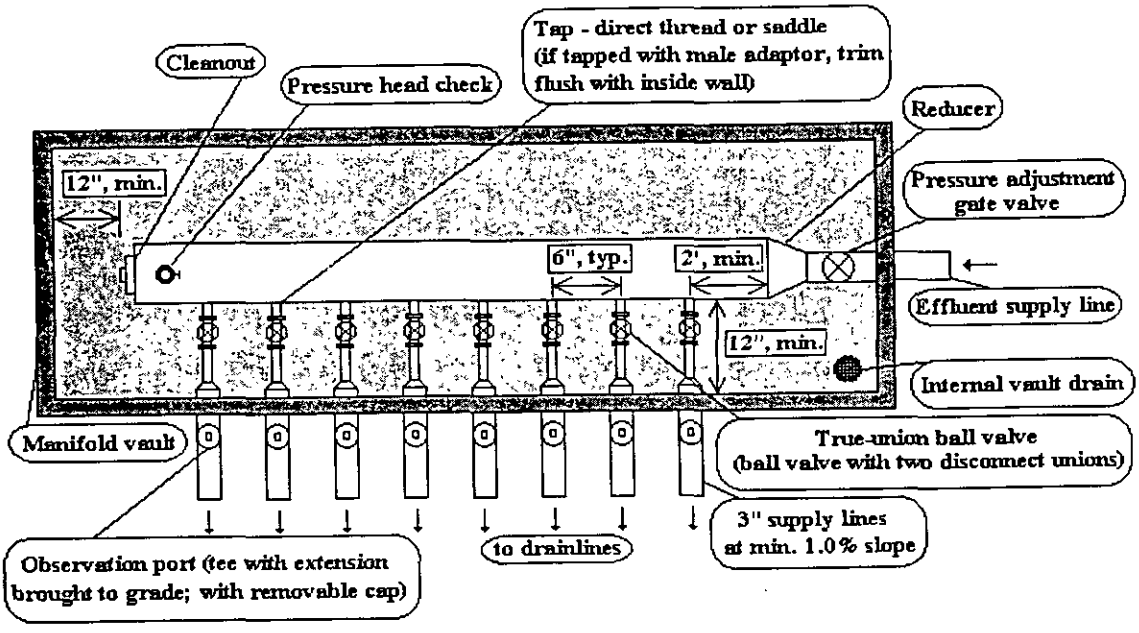
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 3 "

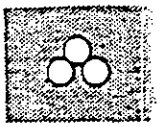
* manifold Box - design per installers choice & M.C.H.D. approval. I.C.H.D.



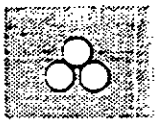
Profile View of Pressure Manifold for Sloping Site Installation

(not to scale)



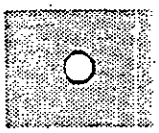


The 2003 Triangular System in a 2-foot wide trench replaces gravel on a foot-for-foot basis. Minimum excavated trench spacing - 7.5 feet.

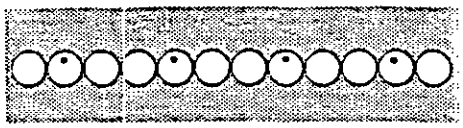


The 2012 Triangular System This system is the most effective and reliable system available. Installs in a 30" wide trench with a minimum depth of 24."

_____ sq. ft. x .24 = _____ linear ft.

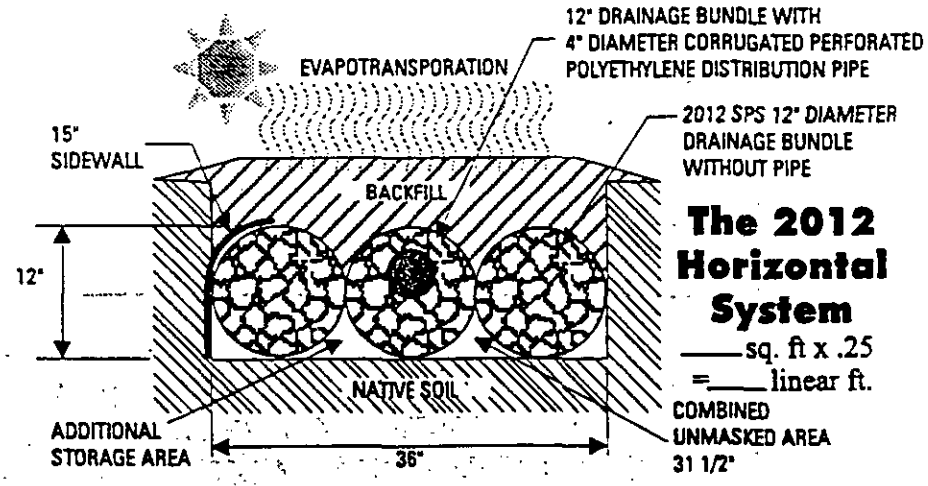


The 2012 LPP System designed by the State Health Department to replace the conventional method. This system may be used to run low pressure PVC pipe, allowing uniformity as well as consistency throughout the installation process.



The 2012 Horizontal Drainfield System may be used in a Bed System with three cylinder bundles placed in a row next to each other. This system will replace the conventional method at a ratio of one to one.

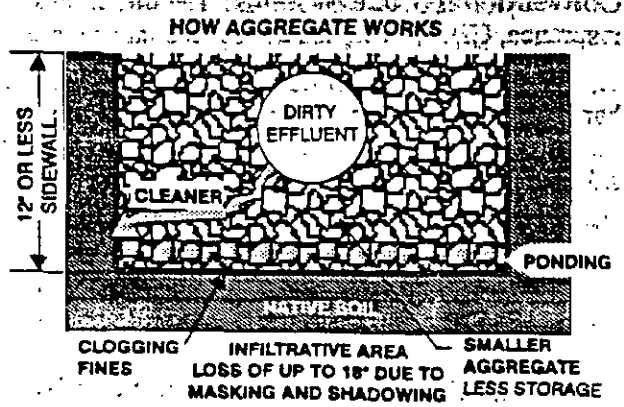
ONE ON ONE - REAL COMPARISONS

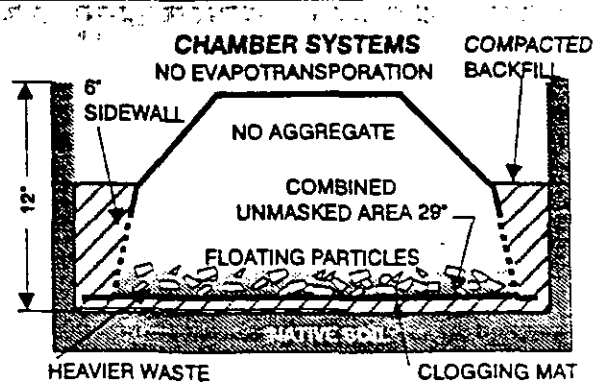


The 2012 Horizontal System

____sq. ft x .25
=____linear ft.

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



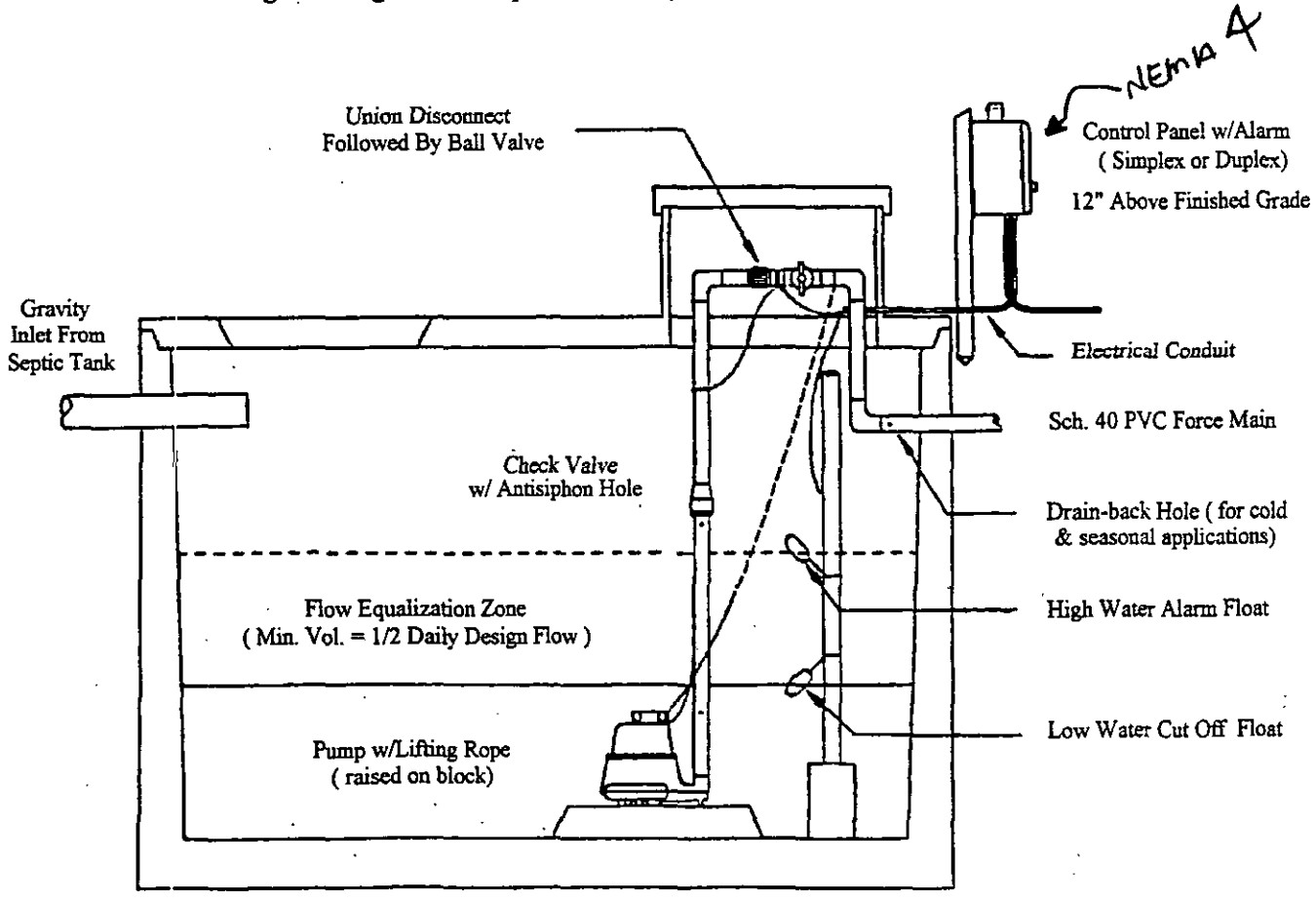


QUESTIONS?

NEED HELP ESTIMATING? GIVE US A CALL. WE'RE HERE FOR YOU!
North Carolina (704) 883-2130 • Toll Free 1-800-649-0253

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.



Riser & filter Rules apply, Contractors choice
Approval M.C.H.D.

FEE: R&D "Chk # 1484

DATE: 2-19-98

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

[ ] CRT

TYPE APPLICATION: X 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 #: 2423B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 047-422-03 A,B

STREET ADDRESS: WESTMORELAND FARM RD

SUBDIVISION OR MOBILE HOME PARK NAME: WEST MORELAND FARM

LOT NUMBER: 18

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 3,750SF

NUMBER OF BEDROOMS: 4 NUMBER OF OCCUPANTS: 5

FOUNDATION FOR RESIDENCE:

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

TOWNSHIP (CHECK ONE):

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

CLOSING DATE APRIL 15-98

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

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

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C)
✓ 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	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: WIKTORIN FIORELLA / LENNART (LAST) (FIRST) (MI)	NAME: BLUE WATER REALTY (LAST) (FIRST) (MI)
ADDRESS: 217 FAIRWOOD AVE	DAYTIME PHONE: ( ) –
CITY: CHARLOTTE STATE: NC 28203 ZIP:	CINDY SCHUERGER
DAYTIME PHONE: 704 342-3982	704-660-7694

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

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

SIGNED: _____ DATE: 2/7-98

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

Permit Number: 2423 B

Tax Number: 02-190-03 [illegible]

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	1218.75 Absorption Area (sq ft)		9' Trench spacing (min. on centers)
N/A Municipal Serviced by private well	1500 Gallon septic tank	406.25 Total trench length (ft)		24" 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: - See Conditions of Improvement Permit Attachment - See Septic System Plans on File - See Easement on File - See Reclassification Form on File				
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
1218.75 Absorption Area (Sq ft) 406.25 Total Trench Length (Ft)	N/A Depth of Stone Trench Innovative	9' Trench spacing (min. on centers)		24" 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, Jr. R.S. 5-27-98

DEHNR Authorized Agent Date

λ

Owner/Agent Signature Date

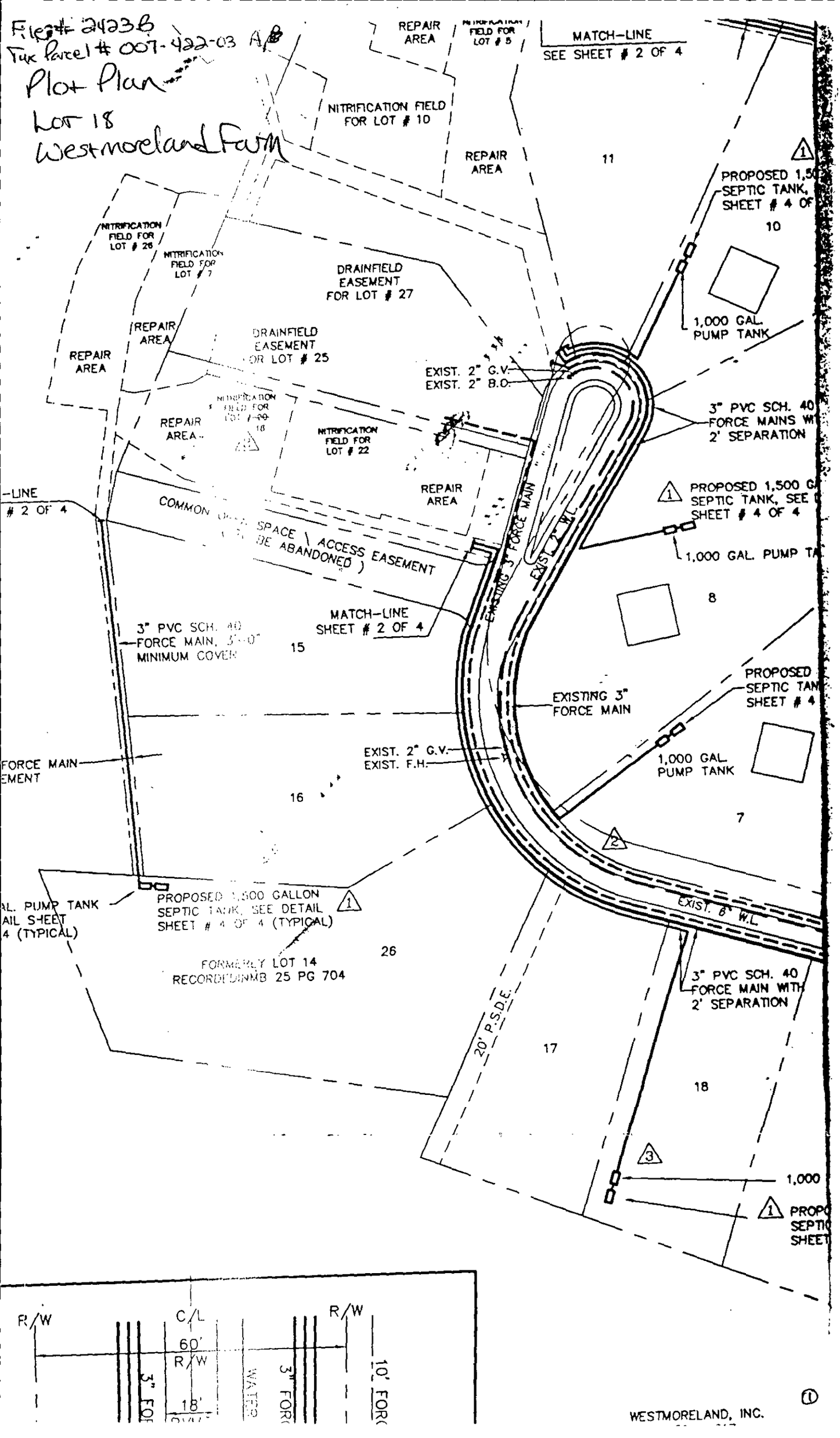
MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

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

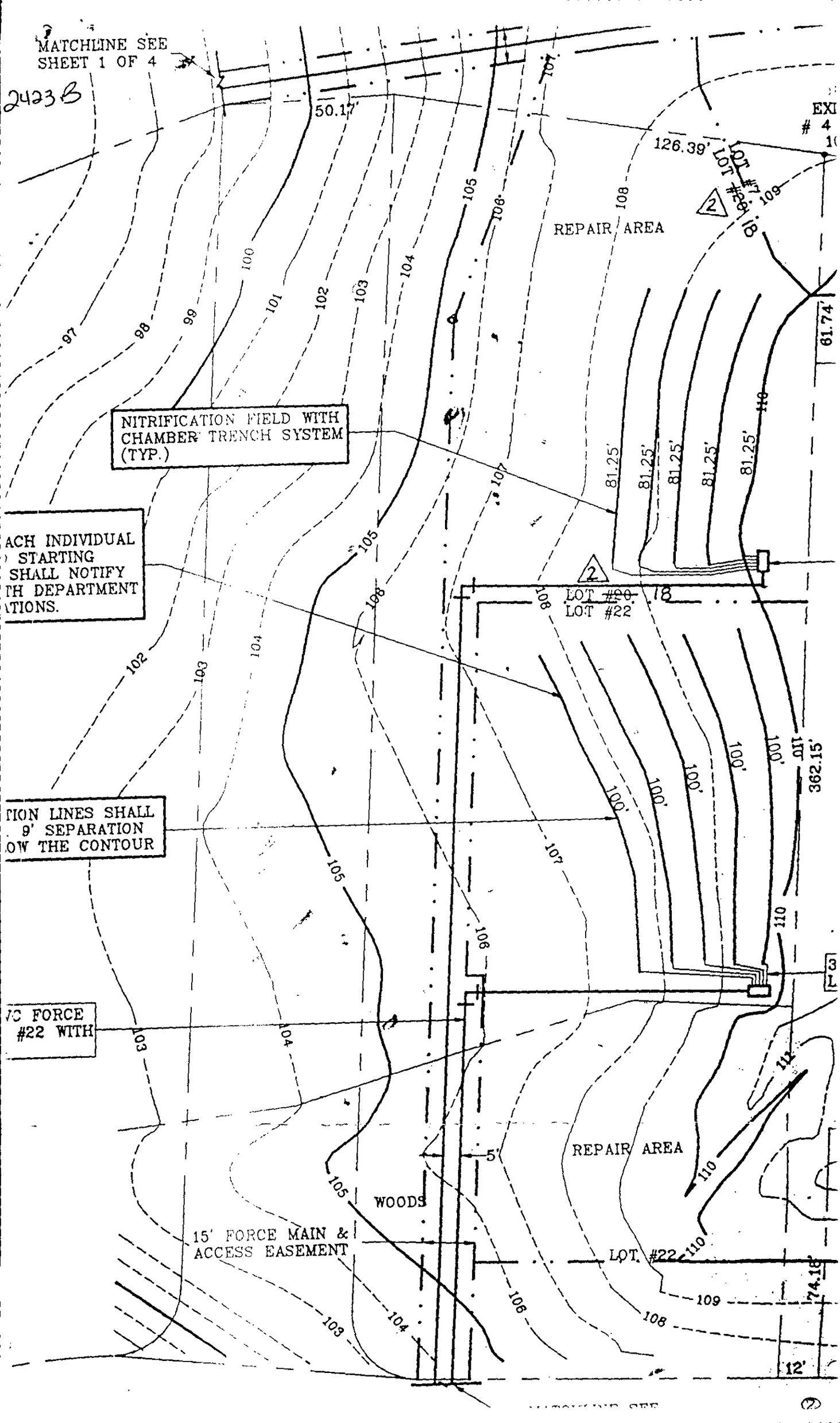
File # 2423B
Tax Parcel # 007-422-03 A/B

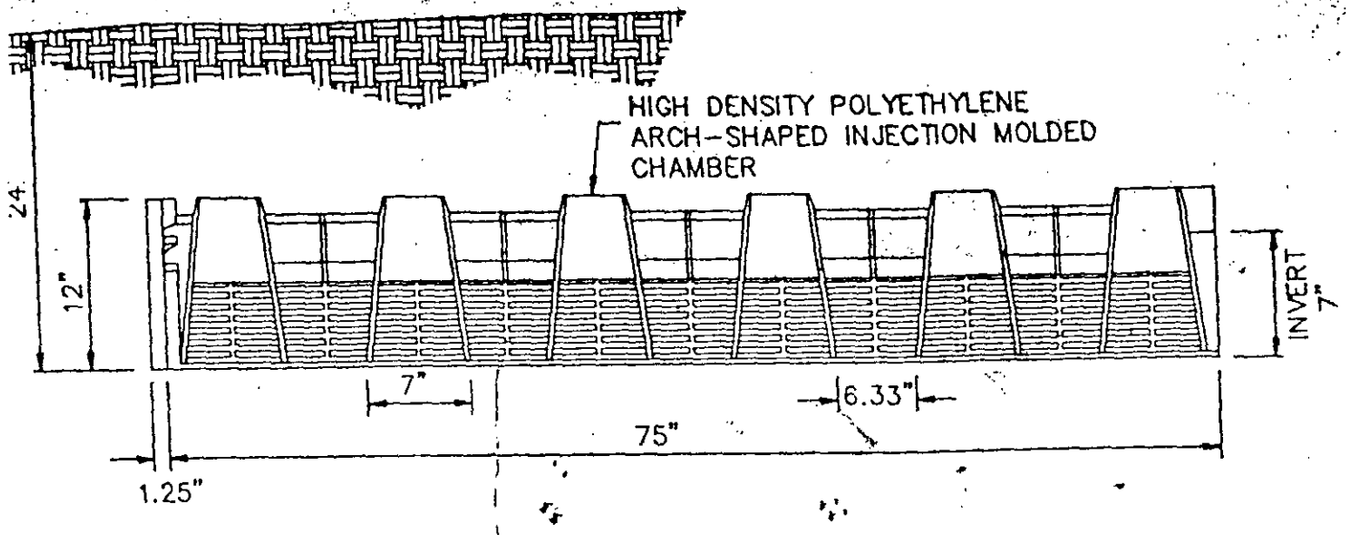
Plot Plan

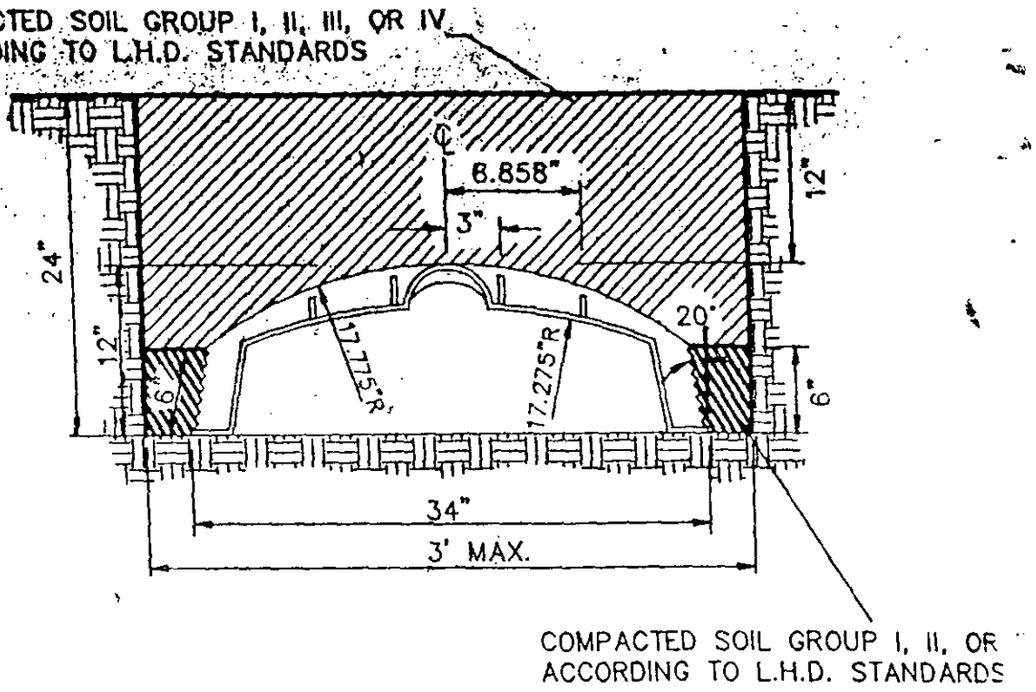
Lot 18
Westmoreland Farm



WESTMORELAND, INC.


MATCHLINE SEE SHEET 1 OF 4
2423B
50.17'
126.39'
LOT #17
LOT #18
REPAIR AREA
NITRIFICATION FIELD WITH CHAMBER TRENCH SYSTEM (TYP.)
81.25'
61.74'
362.15'
LOT #22
100'
110
112
5'
WOODS
15' FORCE MAIN & ACCESS EASEMENT
74.18'
12'
97
98
99
100
101
102
103
104
105
106
107
108
109





NOTES:

1. NO EXCAVATION EQUIPMENT SHALL TRAVEL OVER CHAMBER SYSTEM.
2. INDIVIUAL CHAMBER TRENCHES SHALL BE CONSTRUCTED LEVEL IN ALL DIRECTIONS AND SHALL FOLLOW CONTOURS OF THE GROUND.
3. CONTRACTOR TO INSTALL CHAMBER TRENCH SYSTEM ACCORDINLY TO MANUFACTURER'S INSTALLATION INSTRUCTIONS EXCEPT AS REQUIRED BY THE LOCAL HEALTH DEPARTMENT (L.H.D.).
4. SYSTEM SHALL BE INSTALLED BY CONTRACTOR AUTHORIZED IN WRITING BY MANUFACTURER.

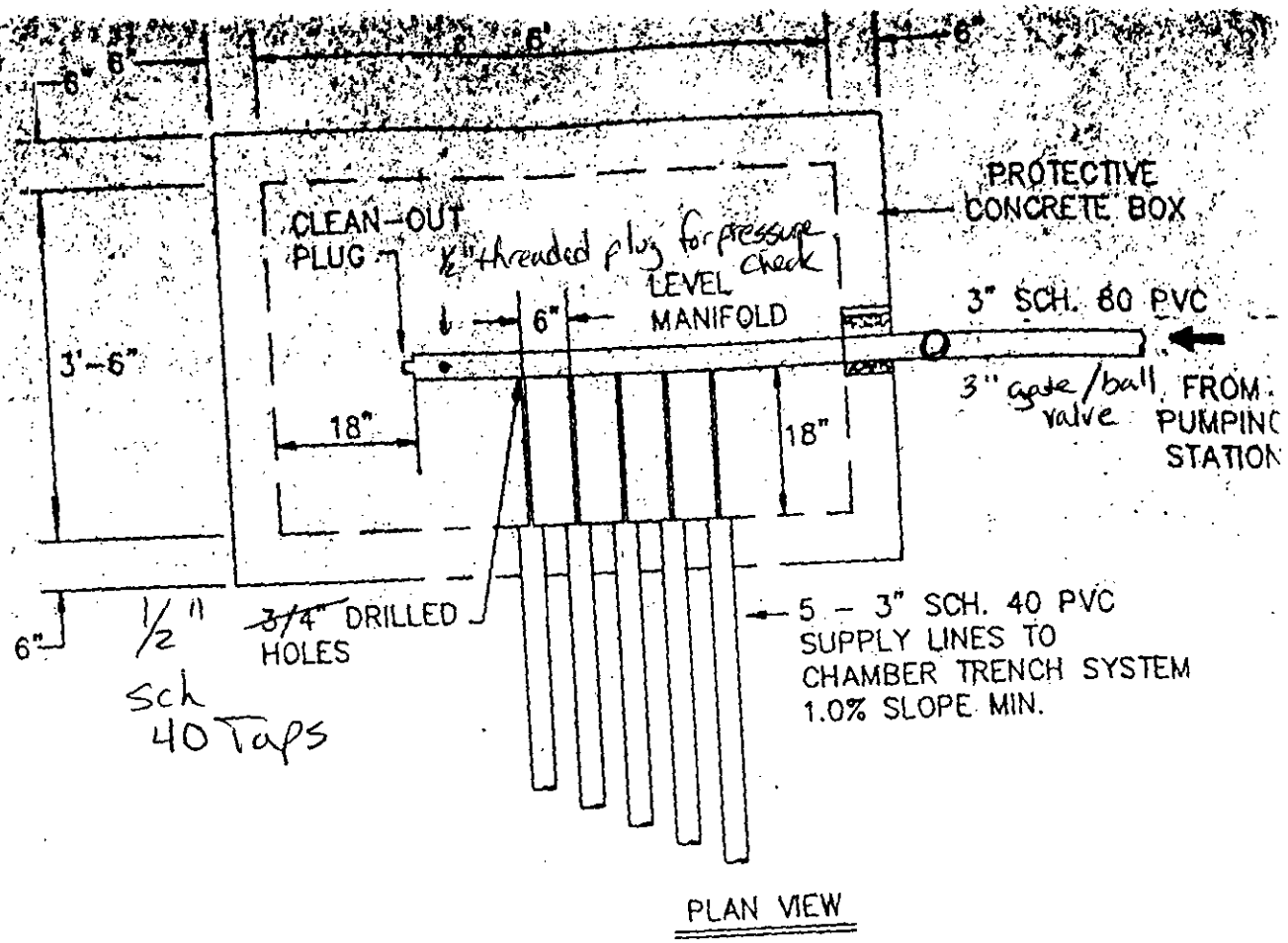
STANDARD CHAMBER TRENCH SYSTEM

NOT TO SCALE

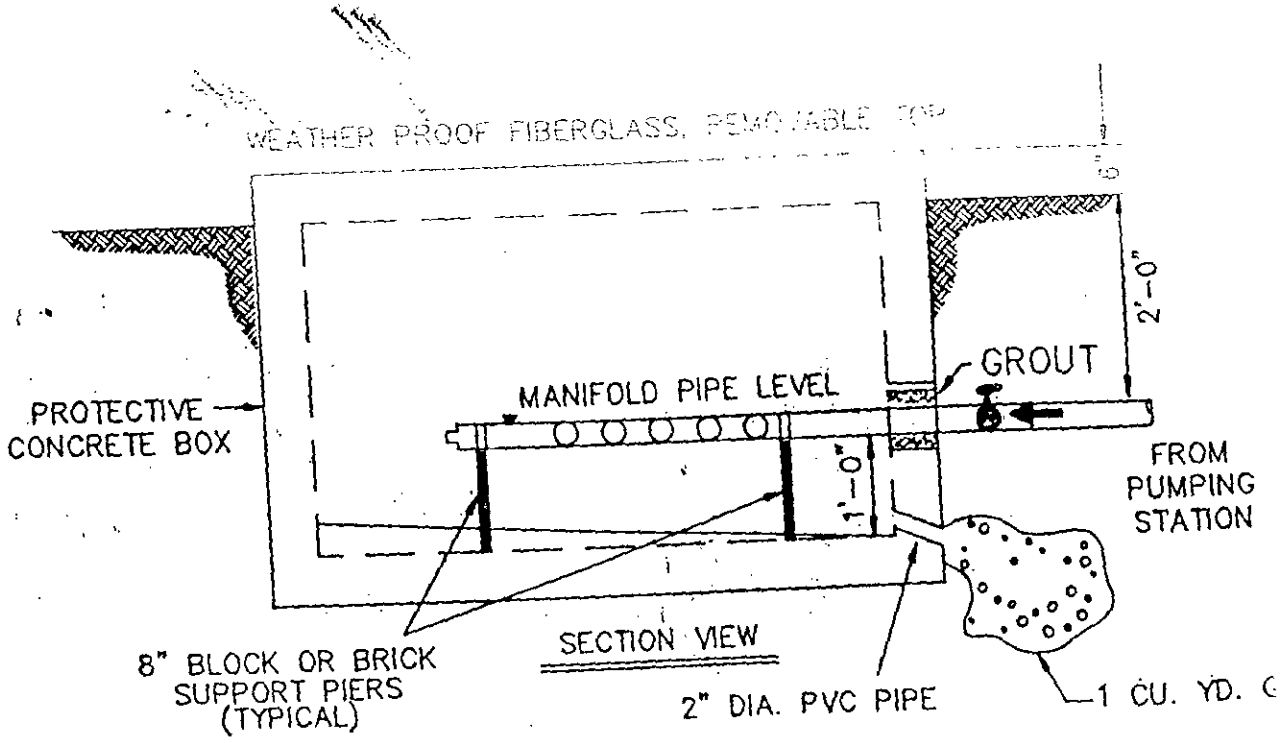
2423B

SEEDBED PREPARATION NOTES

2423B

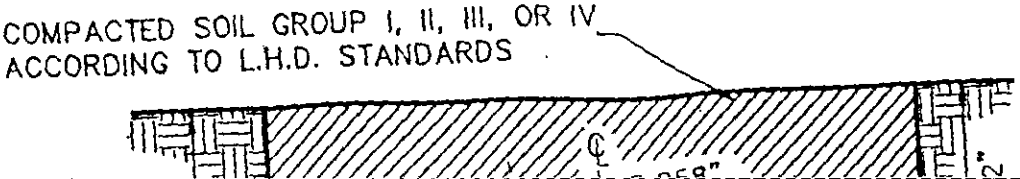


PLAN VIEW



PRESSURE MANIFOLD DETAIL

SCALE: 1/2" = 1'-0"



2423B

PUMP SCHEDULE				
LOT	PUMP	FLOW (GPM)	TDH (FT)	HP
3	MYERS ME-50	45	43	1/2
5	MYERS ME-50	45	43	1/2
7	BARNES EH	48	36	1.0
8	BARNES EH	48	36	1.0
10	BARNES EH	48	36	1.0
~~20~~ 18	MYERS ME-75	45	51	3/4
22	MYERS ME-75	45	51	3/4
26	BARNES EH	45	36	1.0

2

NOTE:
ONCE FINAL LOCATION OF PUMPING STATION IS DETERMINED. THE HOMEOWNER SHALL HAVE PUMP CONDITIONS VERIFIED PRIOR TO ORDERING PUMPS.

2.
3.
4.
5.
6
7

PART
2.01

TH AUDIBLE
IS, AND DUPLEX
N

AY BE INSTALLED
OUSE

4" D.I.P. OR SCH. 80
PVC VENT PIPE

INSECT SCREEN
BETWEEN FLANGES

TRANSMITTAL COVER SHEET

RECEIVED 5-26-98

Approved as revision to plans submitted 5-15-98 Hard copy as well as set of plans to follow.

Dewberry & Davis
600 Lexington Avenue, North Carolina 28203

DATE: 5/26/98 TIME: 4:50 pm

TO: Larry Thompson

COMPANY NAME: Mecklenburg County Health Department

FAX #: 336-6894 PHONE #: 336-5568

FROM: James Mozingo PROJECT #: 695.01

FAX #: 704-332-3468 PHONE #: 704-342-0401

TOTAL NUMBER OF SHEETS TRANSMITTED (INCLUDING COVER SHEET) 3

IF YOU DID NOT RECEIVE ALL SHEETS, PLEASE CALL US.

COMMENTS: We will be using 5 - 1/2" SCH. 40 taps off of the 3" SCH. 80 PVC Pressure Manifold to serve the drain field for lot # 18. Based on the chart " Flow Through orifices, Pressure Manifolds " at 3 feet of head for a 1/2" hole the flow rate is 8.71 gpm/hole x 5 holes = 43.55 gpm. Therefore at 45 gpm there should be between 3 and 3.5 feet of head in the pressure manifold.

blank fax

Flow Through Orifices, Pressure Manifolds

A. Sch 40 taps.

	Holes Size					
Head (ft)	½ -inch (.622)	3/4-inch (.824)	1-inch (1.049)	1-1/4 inch (1.38)	1-1/2 inch (1.61)	2-inch (2.067)
1.5	6.16	10.8	17.5	30.3	41.3	68.0
2	7.11	12.5	20.2	35.0	47.7	78.5
2.5	7.95	140	22.6	39.1	53.3	87.8
3	8.71	15.3	24.8	42.9	58.4	96.2
3.5	9.41	16.5	26.8	46.3	63.0	104
4	10.1	17.7	28.6	49.5	67.4	111

B. Sch 80 taps.

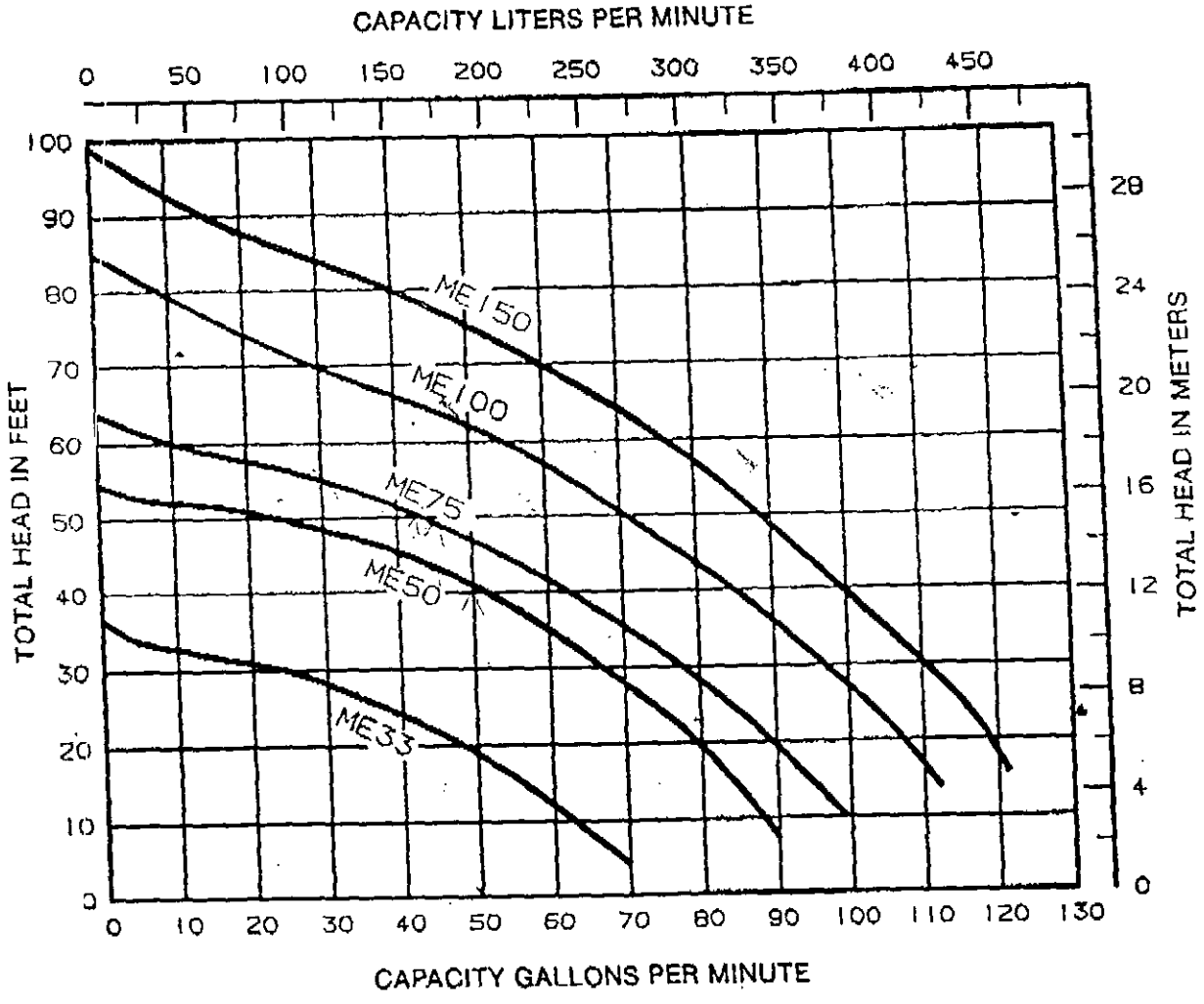
	Hole Size					
Head (ft)	¼ -inch (.546)	3/4-inch (.742)	1-inch (.957)	1-1/4 inch (1.278)	1-1/2 inch (1.50)	2-inch (1.939)
1.5	4.75	8.77	14.6	26.0	35.8	59.9
2	5.48	10.1	16.8	30.0	41.4	69.1
2.5	6.13	11.3	18.8	33.6	46.2	77.3
3	6.71	12.4	20.6	36.8	50.7	84.7
3.5	7.25	13.4	22.3	39.7	54.7	91.4
4	7.75	14.3	23.8	42.5	58.5	97.8

$Q = 13\ d^2\ h^{½}$

Where Q=flow per orifice (gpm)
d=diameter of orifice (inches)
h=pressure head (feet)

Myers®

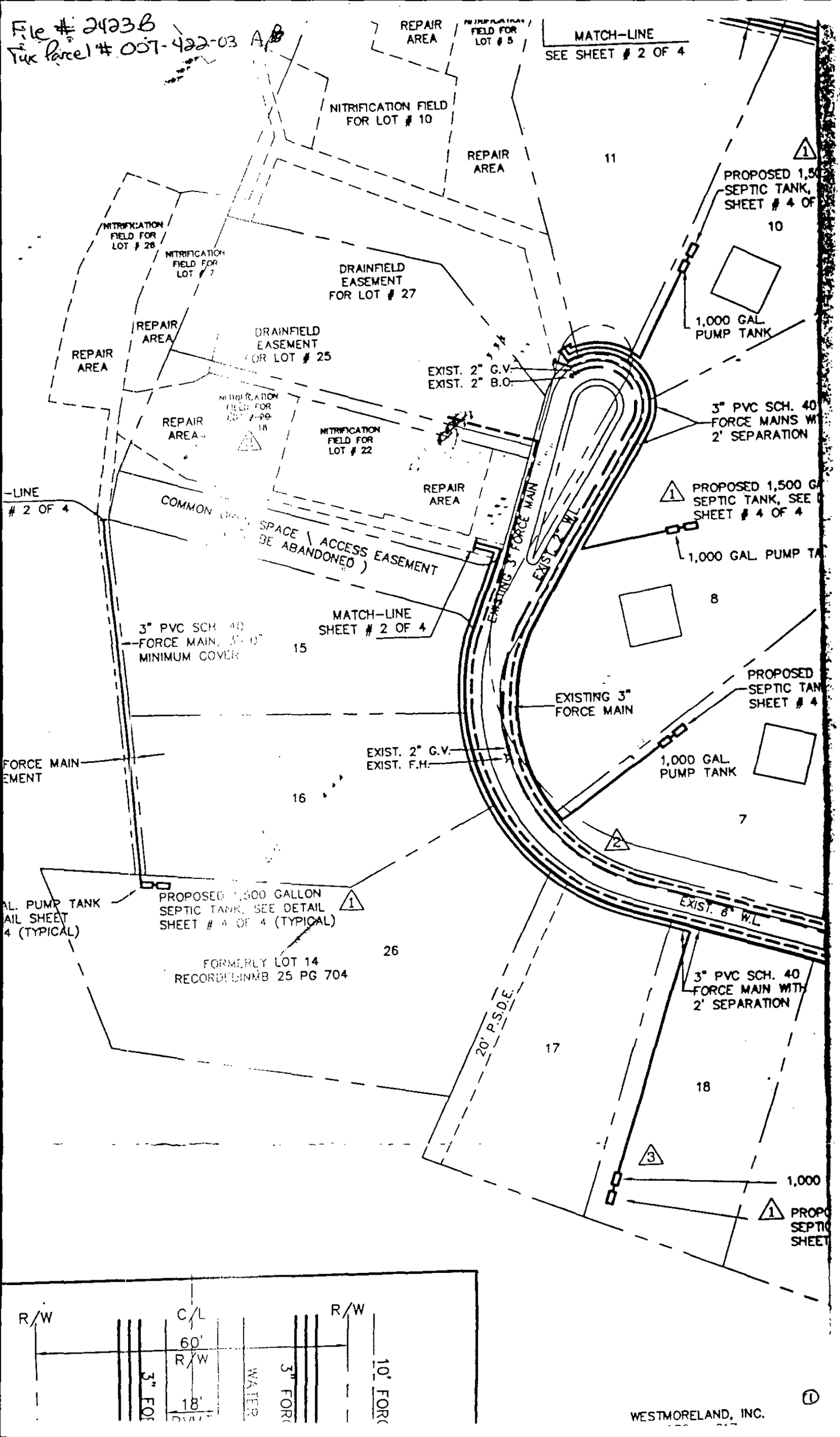
ME Series
1/3 through 1-1/2 HP
Effluent Pumps
Performance Curve



F.E. Myers, A Pentair Company • 1101 Myers Parkway, Ashland, Ohio 44805-1923
419/289-1144 FAX 419/289-6658 Telex 98-7443

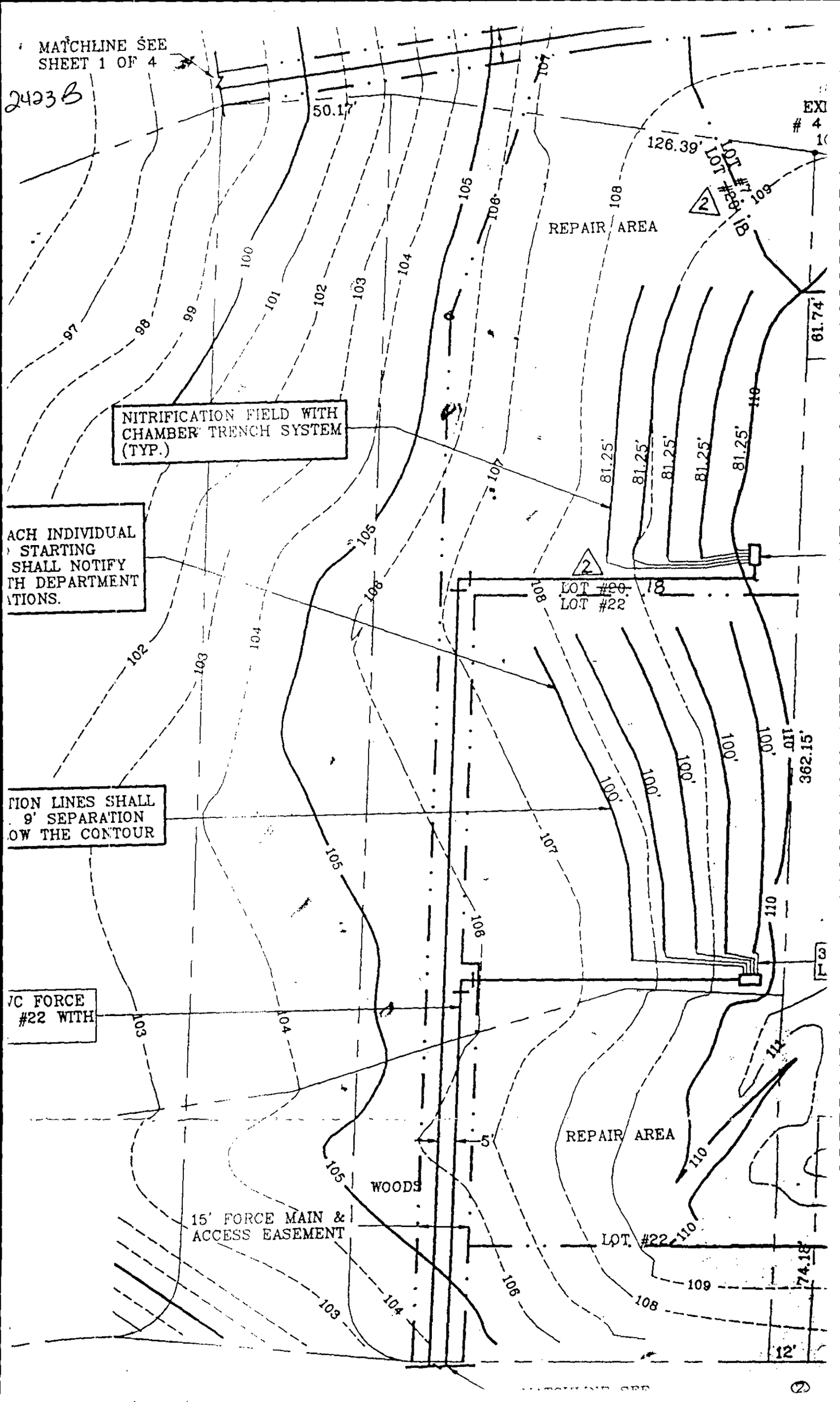
K3327 7/91 Printed in U.S.A.

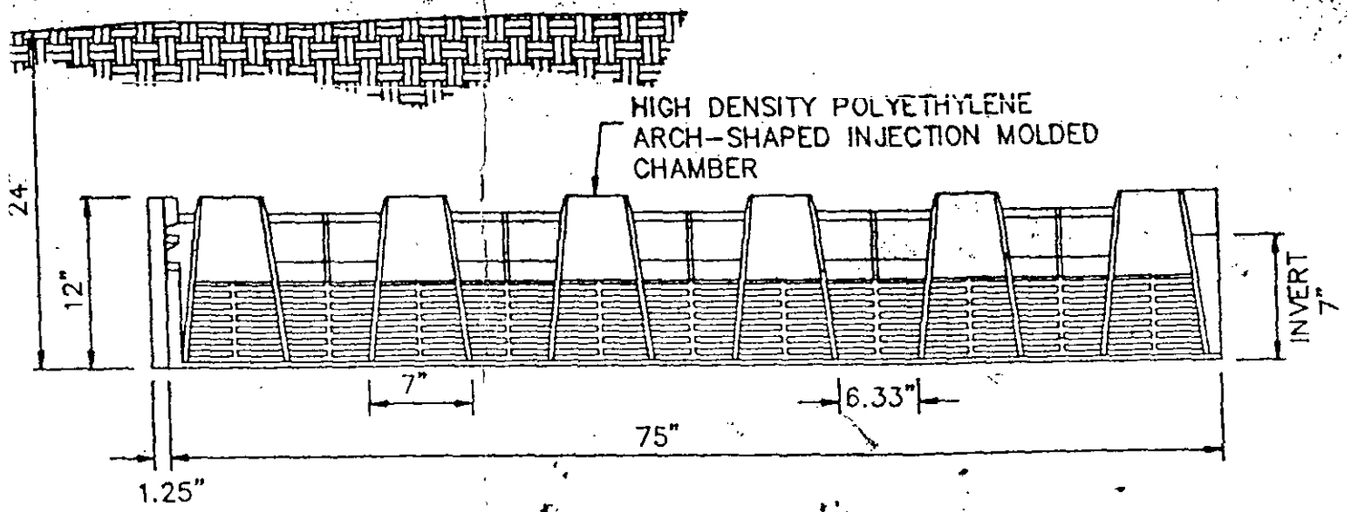
File # 2423B
Tax Parcel # 007-422-03 A

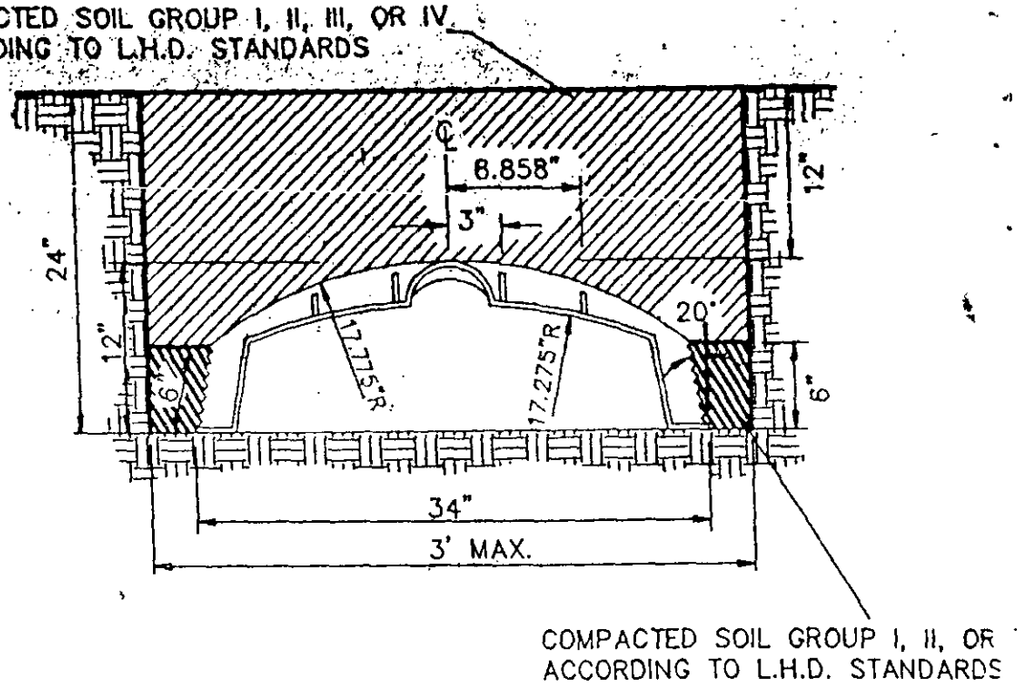


WESTMORELAND, INC.

1


MATCHLINE SEE SHEET 1 OF 4
2423B
50.17'
126.39'
LOT #17
LOT #18
REPAIR AREA
81.74'
NITRIFICATION FIELD WITH CHAMBER TRENCH SYSTEM (TYP.)
81.25'
81.25'
81.25'
81.25'
81.25'
ACH INDIVIDUAL
STARTING
SHALL NOTIFY
TH DEPARTMENT
ATIONS.
LOT #~~20~~ 18
LOT #22
362.15'
TION LINES SHALL
9' SEPARATION
OW THE CONTOUR
VC FORCE
#22 WITH
REPAIR AREA
5'
WOODS
15' FORCE MAIN &
ACCESS EASEMENT
LOT. #22
74.18'
12'
97
98
99
100
101
102
103
104
105
106
107
108
109
110
112





NOTES:

1. NO EXCAVATION EQUIPMENT SHALL TRAVEL OVER CHAMBER SYSTEM.
2. INDIVIUAL CHAMBER TRENCHES SHALL BE CONSTRUCTED LEVEL IN ALL DIRECTIONS AND SHALL FOLLOW CONTOURS OF THE GROUND.
3. CONTRACTOR TO INSTALL CHAMBER TRENCH SYSTEM ACCORDINLY TO MANUFACTURER'S INSTALLATION INSTRUCTIONS EXCEPT AS REQUIRED BY THE LOCAL HEALTH DEPARTMENT (L.H.D.).
4. SYSTEM SHALL BE INSTALLED BY CONTRACTOR AUTHORIZED IN WRITING BY MANUFACTURER.

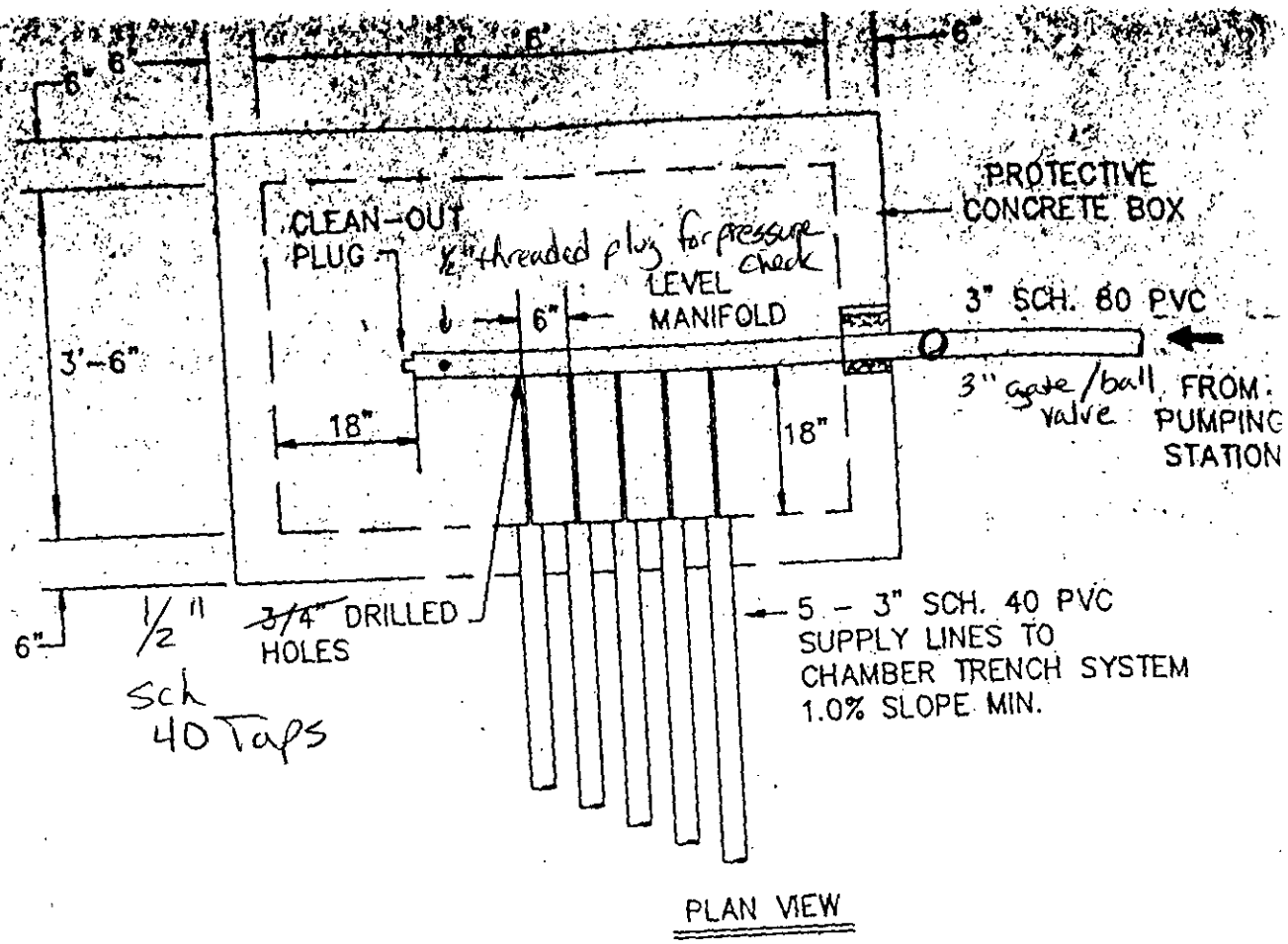
STANDARD CHAMBER TRENCH SYSTEM

NOT TO SCALE

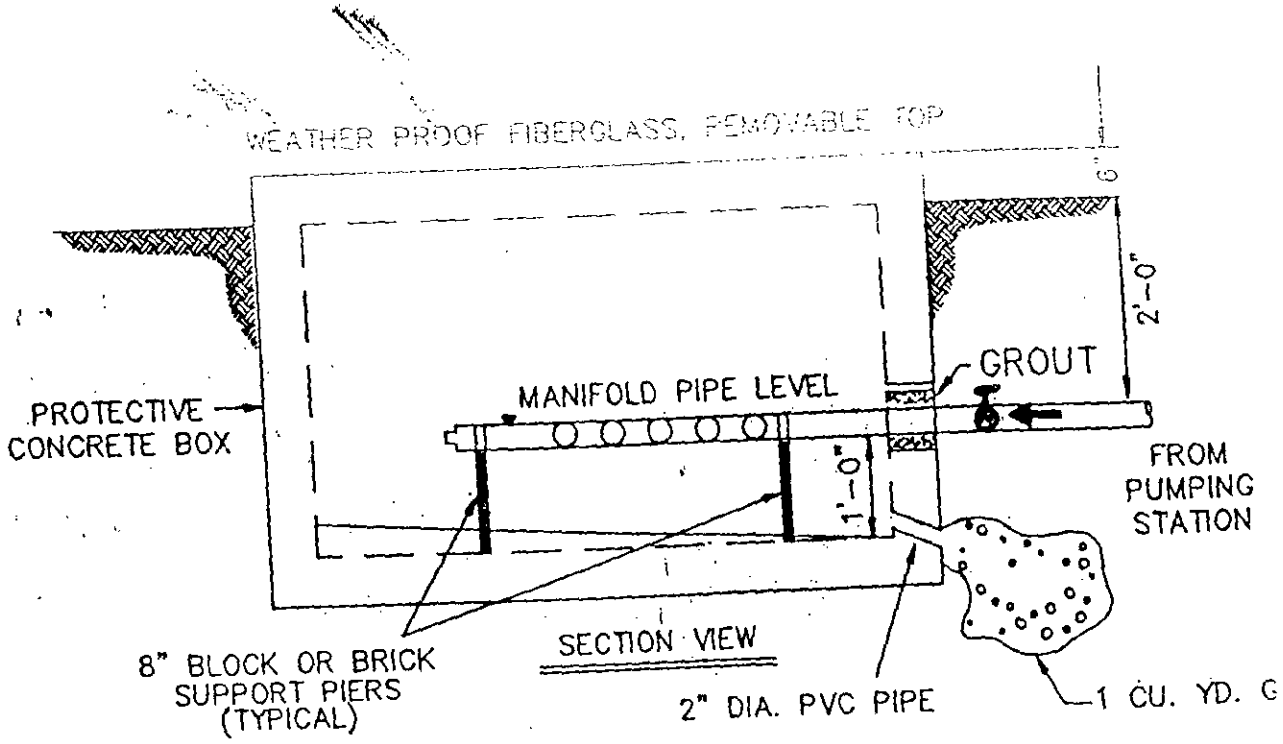
2423B

SEEDBED PREPARATION NOTES

2423B

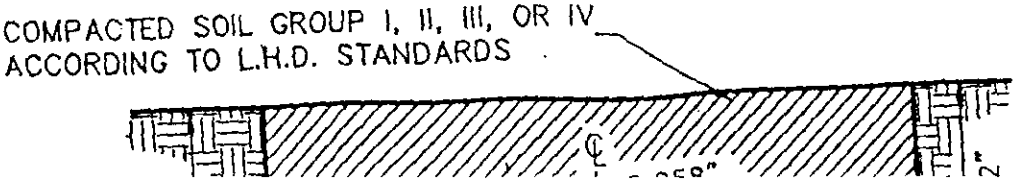


PLAN VIEW



PRESSURE MANIFOLD DETAIL

SCALE: 1/2" = 1'-0"



2423B

2.

3.

4.

5.

PUMP SCHEDULE

LOT	PUMP	FLOW (GPM)	TDH (FT)	HP
3	MYERS ME-50	45	43	1/2
5	MYERS ME-50	45	43	1/2
7	BARNES EH	48	36	1.0
8	BARNES EH	48	36	1.0
10	BARNES EH	48	36	1.0
~~20~~ 18	MYERS ME-75	45	51	3/4
22	MYERS ME-75	45	51	3/4
26	BARNES EH	45	36	1.0

2

NOTE:
ONCE FINAL LOCATION OF PUMPING STATION IS DETERMINED. THE HOMEOWNER SHALL HAVE PUMP CONDITIONS VERIFIED PRIOR TO ORDERING PUMPS.

6

PART 2.01

TH AUDIBLE
IS, AND DUPLEX
V

AY BE INSTALLED
OUSE

4" D.I.P. OR SCH. 80
PVC VENT PIPE

INSECT SCREEN
BETWEEN FLANGES

9

TRANSMITTAL COVER SHEET

RECEIVED 5-26-98

Approved as revision to plans submitted 5-15-9 Hard copy as well as set of plans to follow.

Dewberry & Davis
600 Lexington Avenue, North Carolina 28203

DATE: 5/26/98 TIME: 4:50 pm

TO: Larry Thompson

COMPANY NAME: Mecklenburg County Health Department

FAX #: 336-6894 PHONE #: 336-5568

FROM: James Mozingo PROJECT #: 695.01

FAX #: 704-332-3468 PHONE #: 704-342-0401

TOTAL NUMBER OF SHEETS TRANSMITTED (INCLUDING COVER SHEET) 3

IF YOU DID NOT RECEIVE ALL SHEETS, PLEASE CALL US.

COMMENTS: We will be using 5 - 1/2" SCH. 40 taps off of the 3" SCH. 80 PVC Pressure Manifold to serve the drain field for lot # 18. Based on the chart "Flow Through orifices, Pressure Manifolds" at 3 feet of head for a 1/2" hole the flow rate is 8.71 gpm/hole x 5 holes = 43.55 gpm. Therefore at 45 gpm there should be between 3 and 3.5 feet of head in the pressure manifold.

blank.fax

6

Flow Through Orifices, Pressure Manifolds

A. Sch 40 taps.

	Holes Size					
Head (ft)	½ -inch (.622)	3/4-inch (.824)	1-inch (1.049)	1-1/4 inch (1.38)	1-1/2 inch (1.61)	2-inch (2.067)
1.5	6.16	10.8	17.5	30.3	41.3	68.0
2	7.11	12.5	20.2	35.0	47.7	78.5
2.5	7.95	140	22.6	39.1	53.3	87.8
3	8.71	15.3	24.8	42.9	58.4	96.2
3.5	9.41	16.5	26.8	46.3	63.0	104
4	10.1	17.7	28.6	49.5	67.4	111

B. Sch 80 taps.

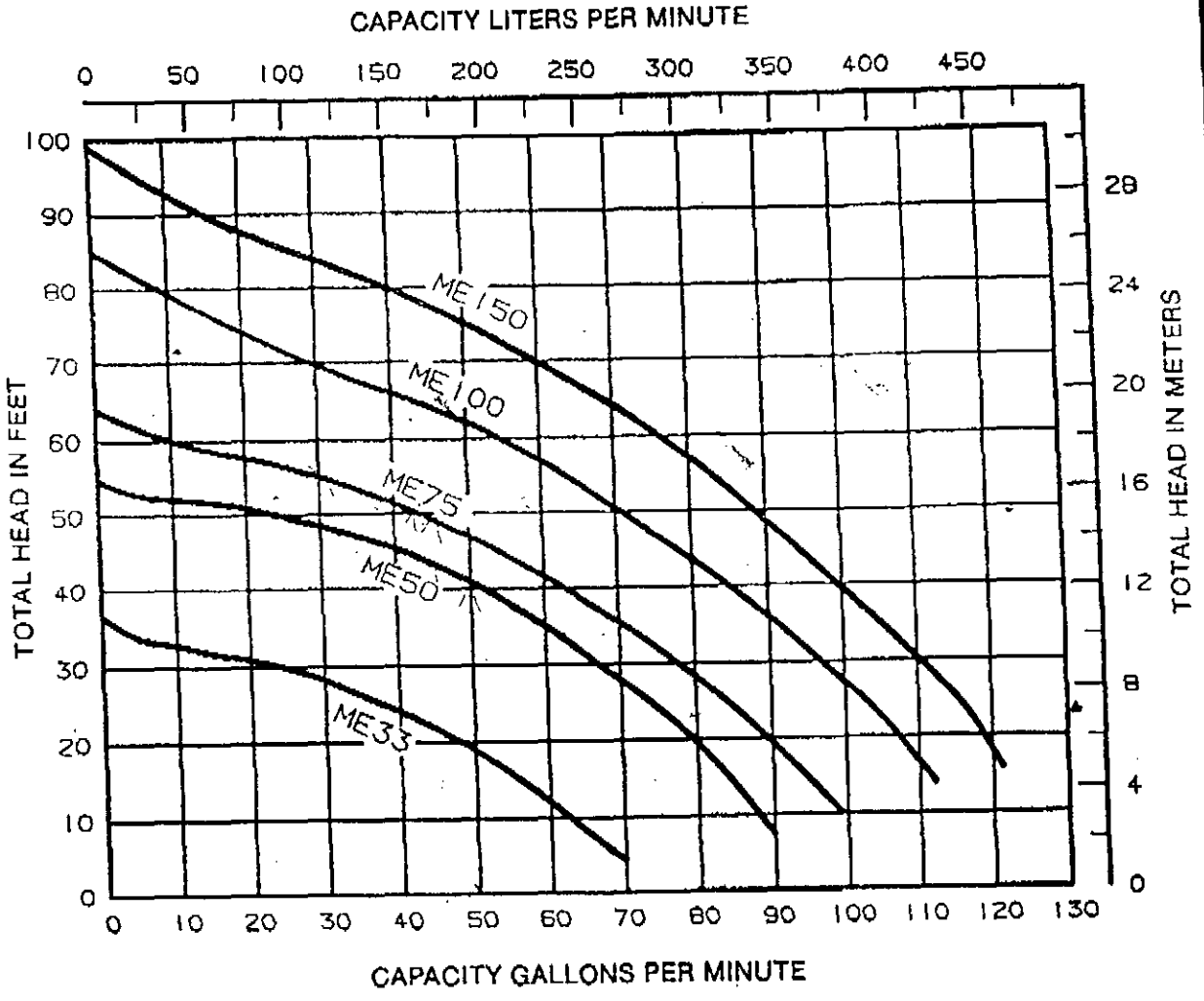
	Hole Size					
Head (ft)	½ -inch (.546)	3/4-inch (.742)	1-inch (.957)	1-1/4 inch (1.278)	1-1/2 inch (1.50)	2-inch (1.939)
1.5	4.75	8.77	14.6	26.0	35.8	59.9
2	5.48	10.1	16.8	30.0	41.4	69.1
2.5	6.13	11.3	18.8	33.6	46.2	77.3
3	6.71	12.4	20.6	36.8	50.7	84.7
3.5	7.25	13.4	22.3	39.7	54.7	91.4
4	7.75	14.3	23.8	42.5	58.5	97.8

$Q=13\ d^2\ h^{½}$

Where Q=flow per orifice (gpm)
d=diameter of orifice (inches)
h=pressure head (feet)

Myers®

ME Series
1/3 through 1-1/2 HP
Effluent Pumps
Performance Curve



F.E. Myers, A Pentair Company • 1101 Myers Parkway, Ashland, Ohio 44805-1923
419/289-1144 FAX 419/289-6658 Telex 98-7443

K3327 7/91 Printed in U.S.A.

8

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

DATE: 12-23-99 PERMIT NO: 2789B

PARCEL NO: 207-042-02

JOB LOCATION ADDRESS: Westmoreland Farms Road

PROPERTY OWNER: James Herring

BUILDING CONTRACTOR: _____

SUBDIVISION NAME: Westmoreland Farms Lot 19

AUTHORIZATION ISSUED BY: J. B. Thompson, J. R. S. DATE: 12-23-99

DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 2789B, 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 James Herring 12-28-99

SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

DRAIN FIELD
FOR LOT 788
0.522 ACRES
TOTAL INCLUDING
ACCESS EASEMENT

NITRIFICATION FIELD
FOR LOT 3
0.39 ACRES

NITRIFICATION FIELD
FOR LOT 10
0.32 ACRES

LOT 12
MB. 26-459

NITRIFICATION FIELD
LOT 5
0.42 ACRES

LOT 11

JAMES W. HERRING

0.355 ACRES
INCLUDES EASEMENT
TO EASEMENT LINE
FOR LOT 8

NITRIFICATION
FIELD
FOR LOT 7

88 ACRES
ES EASEMENT
MATCH LINE
ICATION
IELD-
LOT 26

NITRIFICATION FIELD
FOR LOT 20
0.383 ACRES

LOT 14

NITRIFICATION FIELD
FOR LOT 22
0.415 ACRES

DRAIN FIELD
FOR LOT 27
SEE MAP DATED 12/30/94

LOT 13

DRAIN FOR LOT 25

Lot 19 → PROPOSED
NITRIFICATION FIELD

PROPOSED
NITRIFICATION FIELD
LOT 21

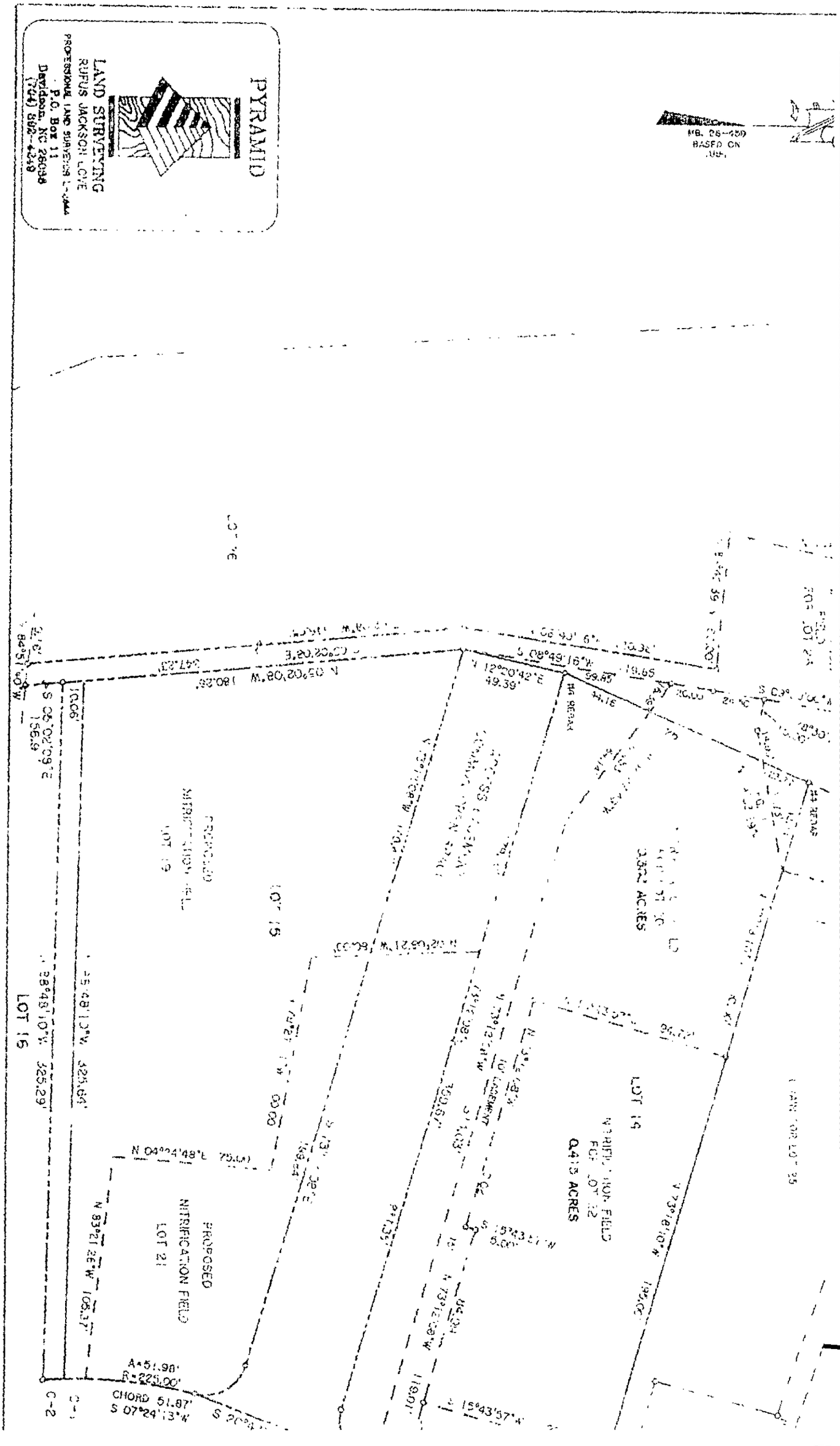
ACCESS EASEMENT
COMMON OPEN SPACE

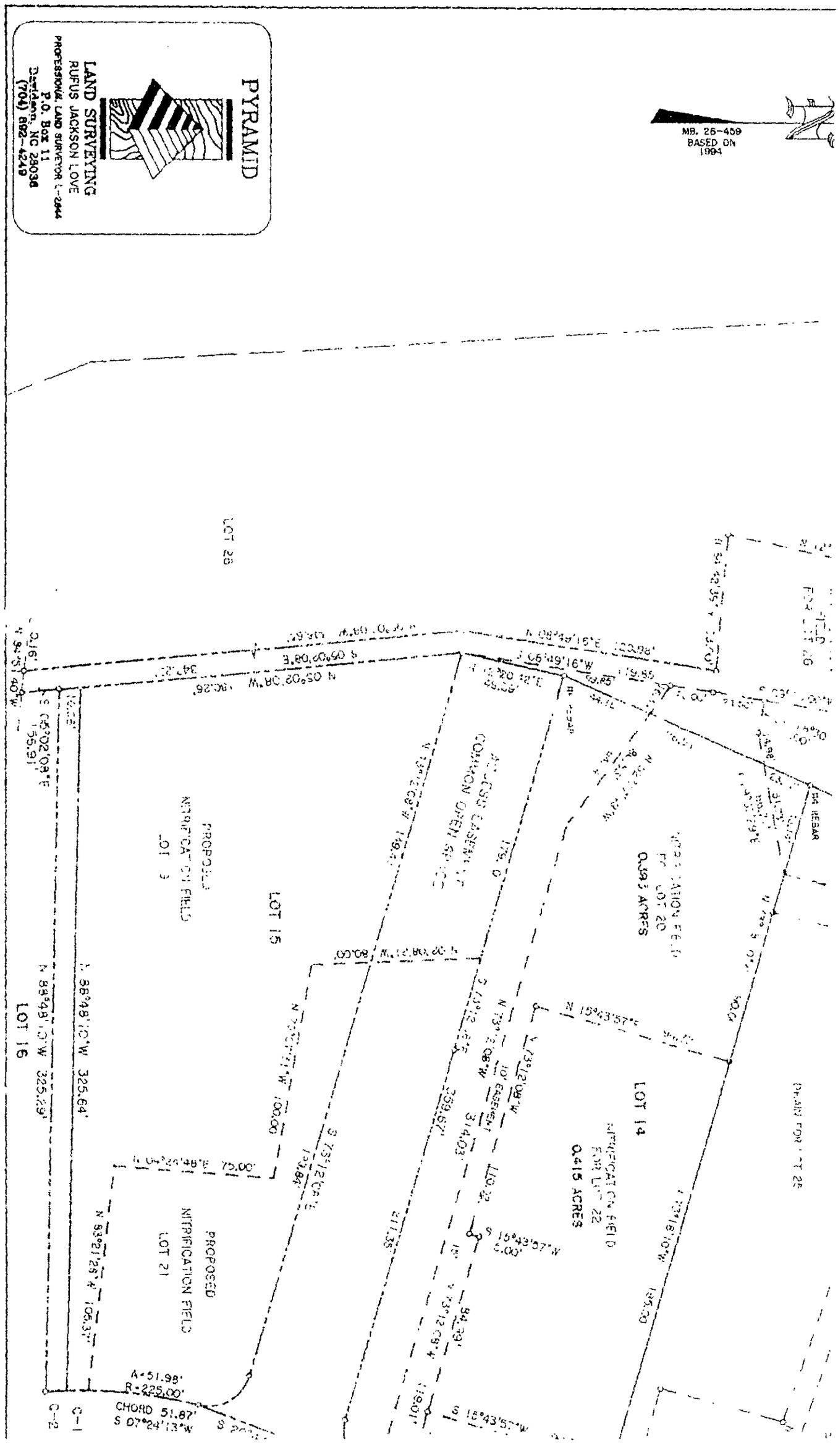
Additional
Repair

WESTMOREL
FARM ROA

Septic Esmt.
Lot 21

MCHD
File:
(5) Bedrm. EEE-222 LA
Plan.
(4) 140' Lines = 560'
(14) Units per Line = 56 Uni
3" PVC Sch. 80
SERVICE LINE
* 720' ± Total from
Lot 19 to Esmt. Area


PYRAMID
LAND SURVEYING
RUFUS JACKSON LOVE
PROFESSIONAL LAND SURVEYOR
P.O. Box 11
Davidson, NC 28036
(704) 892-4249
MB. 25-459
BASED ON
LOT 15
LOT 16
LOT 19
LOT 21
PROPOSED
NITRIFICATION FIELD
LOT 21
0.332 ACRES
LOT 19
0.413 ACRES
N 03°02'08"W 180.28'
N 12°20'42"E 49.39'
S 08°49'16"W 59.85'
S 03°02'08"E 156.9'
S 84°51'40"W 347.23'
N 88°48'10"E 325.29'
S 88°48'10"W 325.29'
N 04°24'48"E 75.00'
N 83°21'26"W 106.37'
A=51.98'
R=225.00'
CHORD 51.87'
S 07°24'13"W
C-2
C-1
S 15°43'57"W
N 15°43'57"E


PYRAMID
LAND SURVEYING
RUFUS JACKSON LOVE
PROFESSIONAL LAND SURVEYOR L-2844
P.O. Box 11
Davidson, NC 28036
(704) 892-4249
MB. 26-459
BASED ON
1994
LOT 26
LOT 15
LOT 16
LOT 14
LOT 21
PROPOSED
NITRIFICATION FIELD
LOT 3
0.39 ACRES
0.415 ACRES
COMMON DRIVE EASEMENT
10' EASEMENT
DRAIN FOR LOT 26
REBAR
N 88°48'10"W 325.64'
N 88°48'10"W 325.29'
N 83°21'28"E 105.37'
A=51.98'
R=225.00'
CHORD 51.87'
S 07°24'13"W
C-1
C-2
S 15°43'57"W
N 15°43'57"E
N 08°49'15"E 233.28'
S 06°49'16"W 69.85'
S 05°02'08"E 155.91'
N 05°02'08"W 347.21'
S 73°12'08"E 259.67'
N 73°12'08"W 259.67'
S 73°12'08"E 211.35'
N 73°12'08"W 211.35'
S 73°12'08"E 84.29'
N 73°12'08"W 84.29'
S 73°12'08"E 48.32'
N 73°12'08"W 48.32'
N 15°43'57"E 150.00'
S 15°43'57"W 150.00

Mecklenburg County
Health Department

January 11, 1999

Mr. James Herring
605 Green Street
Camden, SC 29020

Re: lot 19, Westmoreland Farms
File: 2789B
Parcel: 007-423-02

Dear Mr. Herring:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1943 **SOIL DEPTH** and .1945 **AVAILABLE SPACE**. For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as **UNSUITABLE** may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as **PROVISIONALLY SUITABLE** if the local health department determines that the substantiating data indicate that:
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
> (2) the effluent will not contaminate ground or surface water; and
> (3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

Kelly Randall

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

Mecklenburg County
Health Department

James Herring
605 Green St
Camden SC 29020

Re: Lot 19 Westmoreland Farm
File: 2789-3
Parcel: 007-423-02

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is UNSUITABLE under Rules

For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as UNSUITABLE may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, and or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified a PROVISIONALLY SUITABLE if the local health department determines that the substantiating data indicate that:
>
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
>
> (2) the effluent will not contaminate ground or surface water; and
>
> (3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5568.

Sincerely,

~~Larry B. Thompson, Jr.~~, R.S.
Environmental Health Specialist
Individual ~~Water and Wastewater~~ Systems

FEE: $100.00 CK # 114
DATE: 12/9/98 gc

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

I CRT

TYPE APPLICATION: X 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

COPY

FILE #: 27898

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: # 007-423-02

STREET ADDRESS: Lot # 19

SUBDIVISION OR MOBILE HOME PARK NAME: WESTMORELAND FARM

LOT NUMBER: 19

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 3700

NUMBER OF BEDROOMS: 4 | NUMBER OF OCCUPANTS: 3

CLOSING DATE_____

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

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

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

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
✓ 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 WASTEWATER SYSTEMS __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS ✓ YES __ NO
WELL, SPRINGS OR WATERLINES __ YES ✓ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: HERRING (LAST) JAMES (FIRST) (MI)	NAME: Young (LAST) Jeana (FIRST) D (MI)
ADDRESS: 605 Green St.	DAYTIME PHONE: (704) 892-7373
CITY: Camden STATE: SC ZIP: 29020	
DAYTIME PHONE: 803 432-0239	

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: Jeana Young DATE: 12/9/98

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

COPY

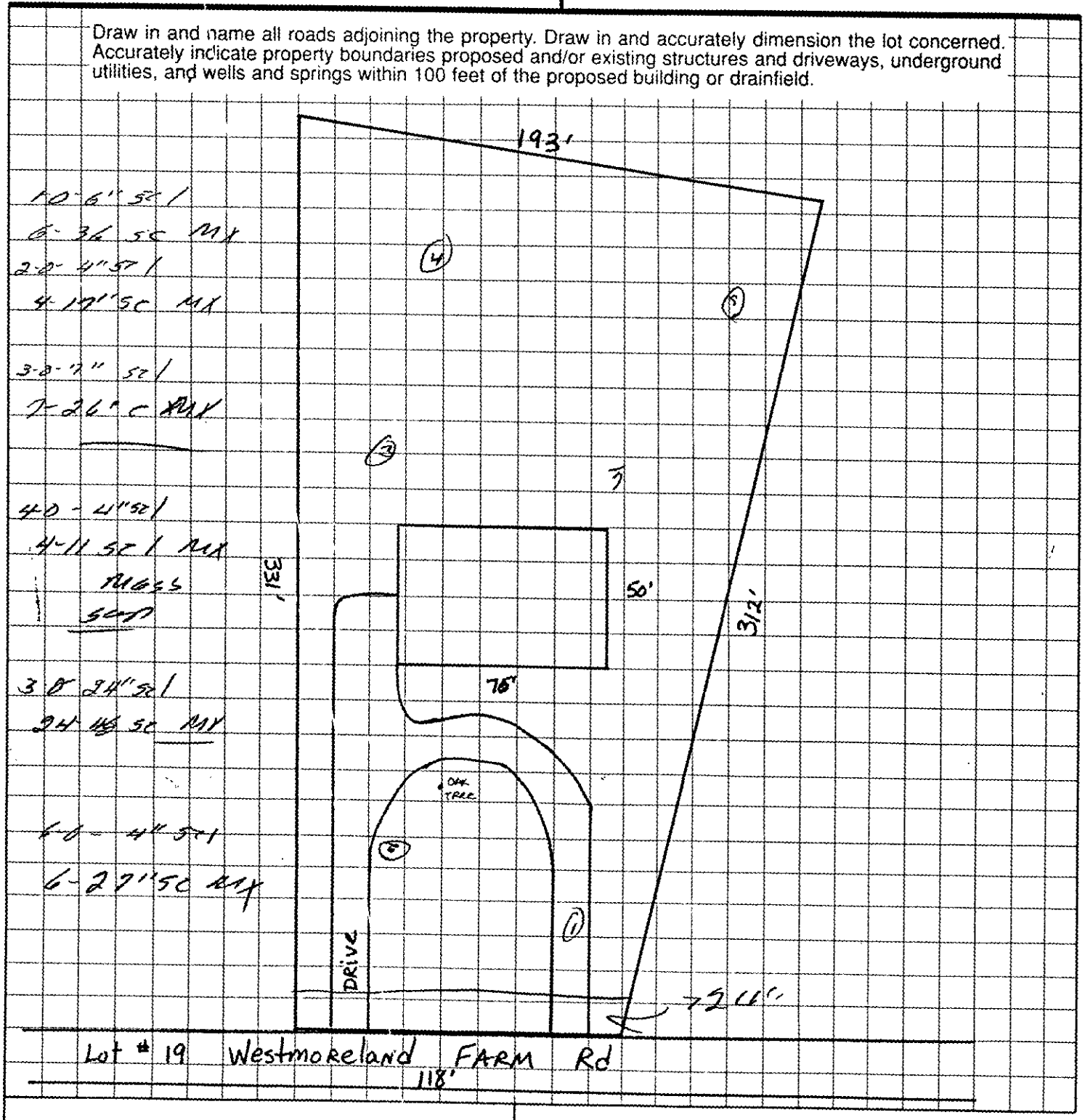
PROPOSED PLOT PLAN

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

FILE: 2789B

TC: 007-423-02

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.



OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE

White - Health Department's Copy

Canary - E.H.S. Copy

Pink - Owner's Copy

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

EK # 778 VC #2 1-14-99

PROPERTY ID #: 0001-4220
Lot # : 22
File # : 15473

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

OWNER: James W. Herring
APPLICANT:
DATE EVALUATED: 12-21-98
ADDRESS: 605 Freene St., Hamlet, NC
PROPOSED DESIGN FLOW (.1949): 480gpd
PROPERTY SIZE: 1.0
PROPOSED FACILITY: residence
PROPERTY RECORDED:
LOCATION OF SITE: Westmoreland Farm Rd
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	Slopes 2-12% .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	0-24"	gr/scl	Fr/SEAP SS/SP	> 36" To soil wetness	36"	N/A	None	US
		24-36"	SBK/sc	VF/mixed/SS/SP					
2	LS	0-22"	gr/scl	Fr/SEXP SS/SP	2.5Y 6/2 @ 24"	34"	N/A	None	US
		22-34"	ABK/c	VF/mixed/SS/SP					
3	LS	0-2"	gr/scl	Fr/SEAP SS/SP	> 45" To soil wetness	45"	N/A	None	PS .391 F2 IV
		2-45"	SBK/sc	F/SEXP/SP					
4	LS	0-3"	gr/scl	Fr/SEAP SS/SP	> 26" To soil wetness	26"	N/A	None	US
		3-23"	SBK/sc	F/SEXP/SP					
		23-26"	M/C	VF/mixed/SS/SP					
5	LS	0-3"	gr/scl	Fr/SEXP SS/SP	> 42" To soil wetness	42"	N/A	None	PS .391 F2 IV
		3-35"	SBK/sc	F/SEXP/SP					
		35-42"	SBK/scl	Fr/SEAP SS/SP					
6	LS	0-4"	gr/scl	Fr/SEAP SS/SP	> 45" To soil wetness	45"	N/A	None	PS .391 F IV
		4-40"	SBK/C	F/SEAP/P					
		40-45"	SBK/cl	Fr/SEXP SS/SP					

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

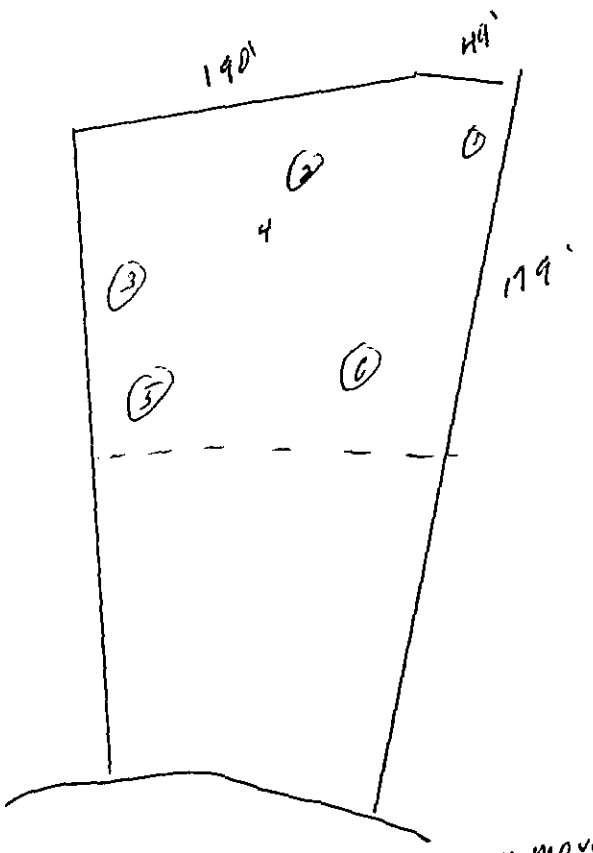
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS 1006 Repair Drain Field For lot 22

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



West move land Farm Rd

[illegible]
[illegible]
[illegible]
[illegible]
Fax: [illegible]
www.[illegible]

BLUE WATER REALTY, INC.

Fax

To: Lesley T. From: Rick

Fax: Date:

Phone: Pages:

Re: CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

•Comments:

I will pick up Report Tuesday.

Thanks,

RICK

RICK KNIGHT	BEGAY CHILDERS	CHERYL BEACH
THORNTON BROOKS	CHUCK MASTERTON	GINA BAKER
GEORGE STYRON	JANE URBAN	JEANA YOUNG
LINDA SUMMERVILLE	LISA MORORIE	SANDY LAWING
SUERRI MASONGOAD	WANONA KNIGHT	STACY LUZE
KIM FREEMAN	LORI McKENZIE	

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 # 27869 B
PARCEL # 007-423-62

The undersigned, James Herring and Phyllis Herring, owner of property located at 1617 Westmoreland Farm Road (the "site") and described in an instrument recorded in Book 7919 at Page 584 Mecklenburg Public Registry, hereby acknowledges that the undersigned applies 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 evaluated 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 damage of any kind which are caused or which may be caused, by a malfunctioning of such system.

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

The property may not be improved Permit Not

- 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 mulching 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 [illegible] is to be located. (Refer to Rule .0311 "Maintenance of Sewage Systems," for further information.)

- Additional fees will be required according to the Mecklenburg County water 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.

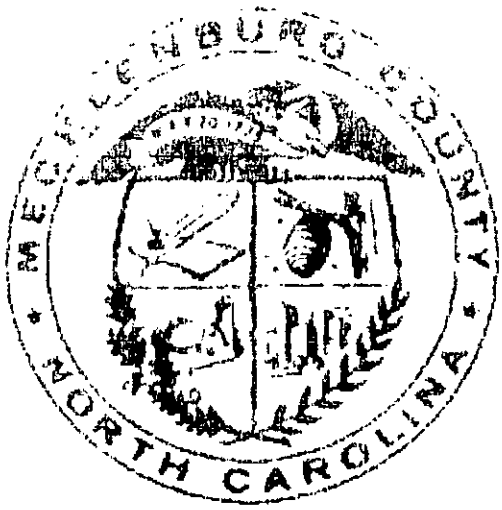
At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repair of the failing system or the replacement system.

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, [illegible]

[illegible] of the singular or masculine pronoun 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 [illegible] signed, 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 [illegible] and its corporate seal to be hereunto affixed by authority of its Board of Directors, this the 23rd day of December, 1999.



JUDITH A. GIBSON
REGISTER OF DEEDS, MECKLENBURG COUNTY
COUNTY'S COURTS OFFICE BUILDING
720 EAST FOURTH STREET
CHARLOTTE NC 28202

Filed For Registration 12/17/1999 12:01 PM

Book [illegible] Page 192-196

Document No. 1999222212

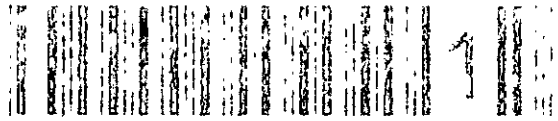
RMKS: [illegible] $14.00

Recorder REBECCA MCGOWAN

State of North Carolina, County of Mecklenburg

The foregoing certificate of STACY LOZIER Notary is certified to be correct. This 17TH day of December

Assistant/Deputy Register of Deeds



1999222212

(Corporate Name)

By: _____ (SEAL)

President

ATTEST:

Secretary

(Corporate Seal)

STATE OF NORTH CAROLINA
COUNTY OF Cabarrus

I, Stacy Haze, a Notary Public for said County and State do hereby certify that Kendrick W. Knight personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal this 1 day of December, 1994.

S. Tracy Haze
Notary Public

My Commission Expires:
Dec. 24, 2004

STATE OF NORTH CAROLINA

I, [illegible], a Notary Public of the County and State aforesaid, certify that [illegible] personally appeared before me this day and being by me duly sworn, says that (s)he executed the foregoing and annexed instrument for and on behalf of the said Bess Anthony Knight Herring and that his authority to execute and acknowledge said instrument is contained in an instrument duly executed, acknowledged and recorded in the Office of the Register of Deeds of Mecklenburg County, North Carolina and that this instrument was executed under and by virtue of the authority given by said instrument granting him power of attorney.

I do further certify that the said Roderick Knight acknowledged the due execution of the foregoing and annexed instrument for the purposes therein expressed. [illegible]

Witness my hand and official stamp or seal, this 12th day of December, 1999.

My commission expires: [illegible]

Notary Public

[illegible] NOTARY PUBLIC [illegible]

Fax

Please deliver immediately to:	Larry Thompson
of	
Fax number:	9 3366894
Voice number:	
Fax received from:	Rick Knight
of	Blue Water Realty
Fax number:	7048929661
Voice number	7048927373
Date:	12/16/99
Time:	3:13:03 PM
Number of Pages	1
Subject	Lot 19 Westmoreland Farm

Message:

Here is the easement for Lot 19 This will be recorded at closing I am having the waste water paperwaorked recored tommorrow.

Thanks,

Rick

STATE OF NORTH CAROLINA

DECLARATION OF EASEMENT

COUNTY OF MECKLENBURG

WHEREAS, JAMES W. HERRING and wife, PHYLLIS HERRING (hereinafter collectively, "HERRING") are the owners of that certain parcel of land described in the deed recorded in Book 7813 at Page 552 and Book 7939 at Page 584 in the Mecklenburg County Registry, which parcel has been subdivided into certain lots shown on a map of WESTMORELAND FARM recorded in Map Book 25 at Page 704 (as thereafter amended in Map Book 26, Page 459), in the Office of the Register of Deeds for Mecklenburg County, North Carolina, which lots are hereinafter referred to collectively as "Subdivision"; and

WHEREAS, Lot 19 does not have soil and compaction adequate for the location of a sewage drainfield and repair field thereon as determined by the Mecklenburg County Health Department and it has been determined that a 0.92 acre parcel being a portion of Lot 15 together with a portion of the Access Easement, as more specifically described as Tract 2 on Exhibit "A" attached hereto and made a part hereof by reference (the "Nitrification Field") does have sufficient area, soil conditions and compaction for a separate sewage drainfield and repair area to accommodate Lot 19; and

WHEREAS, HERRING, by this Declaration of Easement, desires to establish an eight foot wide non-exclusive easement within the right-of-way of WESTMORELAND FARM ROAD running from Lot 19 to the Nitrification Field to provide for a location for the placement of a septic line to connect to a sewage drainfield and repair area for Lot 19 located within the Nitrification Field which shall be exclusively created for the benefit of Lot 19 upon such Nitrification Field; and

WHEREAS, HERRING, desires to establish certain conditions in connection with this Declaration of Easement.

NOW, THEREFORE, HERRING, for themselves, their personal representatives, heirs, successors and assigns, and for the benefit of Dennis R. Adams and wife, Alma S. Adams, (hereinafter "Grantees"), their personal representatives, heirs, successors and assigns, of Lot 19 of WESTMORELAND FARM as shown on a map thereof recorded in Map Book 25 at Page 704

(the "Plat") recorded in Map Book 26, Page 459, in the Mecklenburg County Registry, in consideration of the sum of one dollar ($1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, has given, granted, bargained and sold, conveyed and confirmed and by these presents does hereby give, grant, bargain and sell, convey and confirm unto itself, its successors and assigns, and the Grantees, their successors and assigns of Lot 19 of WESTMORELAND FARM as shown on a map thereof recorded in Map Book 25, at Page 704 (hereafter amended in Map Book 26, Page 459), in the Office of the Register of Deeds for Mecklenburg County, a non-exclusive easement for the installation, location, continued use, maintenance, repair, and replacement of septic system pipe lines within the right-of-way of WESTMORELAND FARM ROAD and a sewage drainfield and repair area over, under and on the surface of the Nitrification Field.

This Declaration of Easement and the conveyance of the easements herein are subject to the following terms and conditions:

1. The eight foot wide non-exclusive easement within the right-of-way of WESTMORELANDFARM ROAD shall be for septic pipe lines leading from Lot 19 to the nitrification field;

2. Installation of the sewage drainfield and repair area within the Nitrification Field for the benefit of Lot 19 WESTMORELAND FARM shall not occur until approval of the system has been obtained from the Mecklenburg County Health Department, and evidence of such approval shall be provided to HERRING, their personal representatives, heirs, successors or assigns before construction is commenced. Construction of the sewage drainfield and repair area shall be performed by a registered, reputable contractor from the Mecklenburg County area and such construction shall be performed in a timely fashion with minimal interruption in use to affect the owners of any other lots in the Subdivision.

3. The sewage drainfield and repair area shall be maintained in strict compliance with the North Carolina state sewage laws for operating such systems, and shall not be operated in a manner that allows standing water or odor from the Nitrification Field.

4. At such time that Mecklenburg County or any other municipal body or the developer of WESTMORELAND FARM provides a sewer system for the Subdivision, the then

owner of Lot 19 shall connect to the sewer lines so provided and comply with all regulations required to connect to said sewer lines and this Easement shall terminate and all rights hereto shall revert to HERRING, its successors and assigns and the Nitrification Field shall no longer be used as a septic drain field or repair area or be available for that purpose.

IN WITNESS WHEREOF HERRING for themselves, their personal representatives, heirs, successors and assigns and for the Grantees, their successors and assigns of Lot 19 of WESTMORELAND FARM, have hereunto executed this Declaration of Easement this 14th day of December, 1999.

Phyllis Herring, by Kendrick W. Knight
Her attorney-in-fact
PHYLLIS HERRING, by Kendrick W. Knight
As attorney-in-fact

James W. Herring, by Kendrick W. Knight
His attorney-in-fact
JAMES W. HERRING, by Kendrick W. Knight,
As attorney-in-fact

STATE OF NORTH CAROLINA)

COUNTY OF MECKLENBURG)

I, [illegible], a Notary Public for said County and State, do hereby certify that Kendrick W. Knight, as attorney-in-fact for Phyllis Herring and as attorney-in-fact for James W. Herring, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of December, 1999.

OFFICIAL SEAL
North Carolina [illegible]
HEATHER L. JOHNSON
NOTARY PUBLIC
My Commission Expires 9-1-2002

Notary Public

My Commission Expires [illegible]

[illegible]

EXHIBIT "A"

TRACT 1:
BEING an eight-foot-wide easement which runs along the southern right-of-way of Westmoreland Farm Road in the WESTMORELAND FARM SUBDIVISION, in Dewcese Township, Mecklenburg County, North Carolina, and more particularly described as follows:

BEGINNING at a point located at the northwest corner of Lot 19, in the southern right-of-way of Westmoreland Farm Road as shown on a plat of WESTMORELAND FARM SUBDIVISION recorded in Map Book 26, Page 459 in the Mecklenburg County Registry; and running thence along the front lot lines of Lot 18 and Lot 17, North 73-08-19 West, the following distances: 82.55 feet, 59.81 feet, and 36.99 feet; continuing thence along the front lot line of Lot 17, a curve of 225.00 feet, a length of 90.79 feet, a chord of 90.17 feet, and a bearing of North 61-34-45 West; continuing with the front lot line of Lot 17 and Lot 26, a curve of 225.00 feet, a length of 85.13 feet, a chord of 84.62 feet, and a bearing of North 39-10-52 West; running thence along the front lot line of Lot 16, a curve of 225.00 feet, a length of 94.35 feet, a chord of 93.66 feet, and a bearing of North 15-19-47 West to the southeast corner of Lot 15, running thence with the front lot line of Lot 15, the following courses and distances: a curve of 225.03 feet, a length of 10.03 feet, a chord of 10.03 feet, and a bearing of North 03-02-24 West, a curve of 225.00 feet, a length of 10.01 feet, a chord of 10.00 feet, and a bearing of North 00-29-21 West to a point and being more particularly described on that certain plat entitled "Final Plat of Westmoreland Farm" as platted, planned and recorded in Map Book 26, Page 459 Mecklenburg County Registry.

TRACT 2:
LYING and BEING in WESTMORELAND FARM SUBDIVISION in Dewcese Township, Mecklenburg County, North Carolina, and more particularly described as follows.

To locate the BEGINNING POINT, run thence from a point in the southeasternmost corner of Lot 15, WESTMORELAND FARM SUBDIVISION as shown on map thereof recorded in Map Book 26, Page 459, Mecklenburg County Registry, a common corner with Lot 16, a curve of 225.00 feet, a length of 10.03 feet, a chord of 10.03 feet, and a bearing of North 03-02-24 West to the POINT AND PLACE OF BEGINNING, running thence North 88-48-10 West 325.64 feet to a point in the rear lot line of Lot 15, running thence North 05-02-08 West 180.26 feet to a point, running thence with the rear lot line of the access easement/common open space, North 12-20-42 East 49.39 feet to a #4 rebar, running thence South 73-12-08 East 179.10 feet to a point; running thence South 02-08-21 East 80.00 feet to a point; running thence South 79-27-31 East 100.00 feet to a point; running thence South 04-24-48 West 75.00 feet to a point, running thence South 83-21-26 East 105.37 feet to a point in the front lot line of Lot 15; running thence with the front lot line of Lot 15, a curve of 225.06 feet, a length of 10.01 feet, a chord of 10.00 feet, and a bearing of South 00-29-21 East to the POINT AND PLACE OF

BEGINNING being 0.92 acres, more or less, and designated as the Proposed Nitrification Field for Lot 19 on that certain Drain Field Plat for property of James W Herring and wife, Phyllis, prepared by Rufus J. Love, Registered Surveyor, dated March 5, 1997 and revised December 10, 1999, and that certain plat entitled "Final Plat of Westmoreland Farm" as platted, planned and recorded in Map Book 26, Page 459, Mecklenburg County Registry

Permit Number 17898 Tax Number 007-042-02

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	600 Max gallons/day wastewater flow	1689 Absorption Area (sq ft)	9' Trench spacing (min. on centers)	
N/A Serviced by private well	1500 Gallon septic tank	560 Total trench length (ft)	18" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)	
5 Bedrooms in residence	1000 Gallon pump tank	N/A Depth of stone		
Any surface waters present:	Type:	Minimum separation distance:		
Site modifications required:				
Additional Conditions: * Easement area shall be marked prior to beginning system construction (including supply line easement area) * Pressure manifold required. * Nesna 4c simplex control panel required.				
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	
1680 Absorption Area (Sq ft) 560 Total Trench Length (Ft)	N/A Depth of Stone Trench	9' Trench spacing (min. on centers)	18" 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 effec 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.

DEHNR Authorized Agent Date 12-23-99

Owner/Agent Signature Date 12-28-99

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

IWWS-100195 Page of

Mecklenburg County
Health Department

Conditions of Improvement Permit

File Number: 2789 B
Site Address: 007-042-02

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.
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 [signature] AEP **Date** 12-28-99

PEOPLE • PRIDE • PROGRESS

Environmental Health Division

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

Mecklenburg County
Health Department

TELECOPIER TRANSMITTAL COVER SHEET

NOTICE

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TO: Rick Knight TELECOPIER # 892-9661

FROM: Larry V Thompson DATE 12-23-99

NUMBER OF PAGES TRANSMITTED: 11 (including cover sheet)

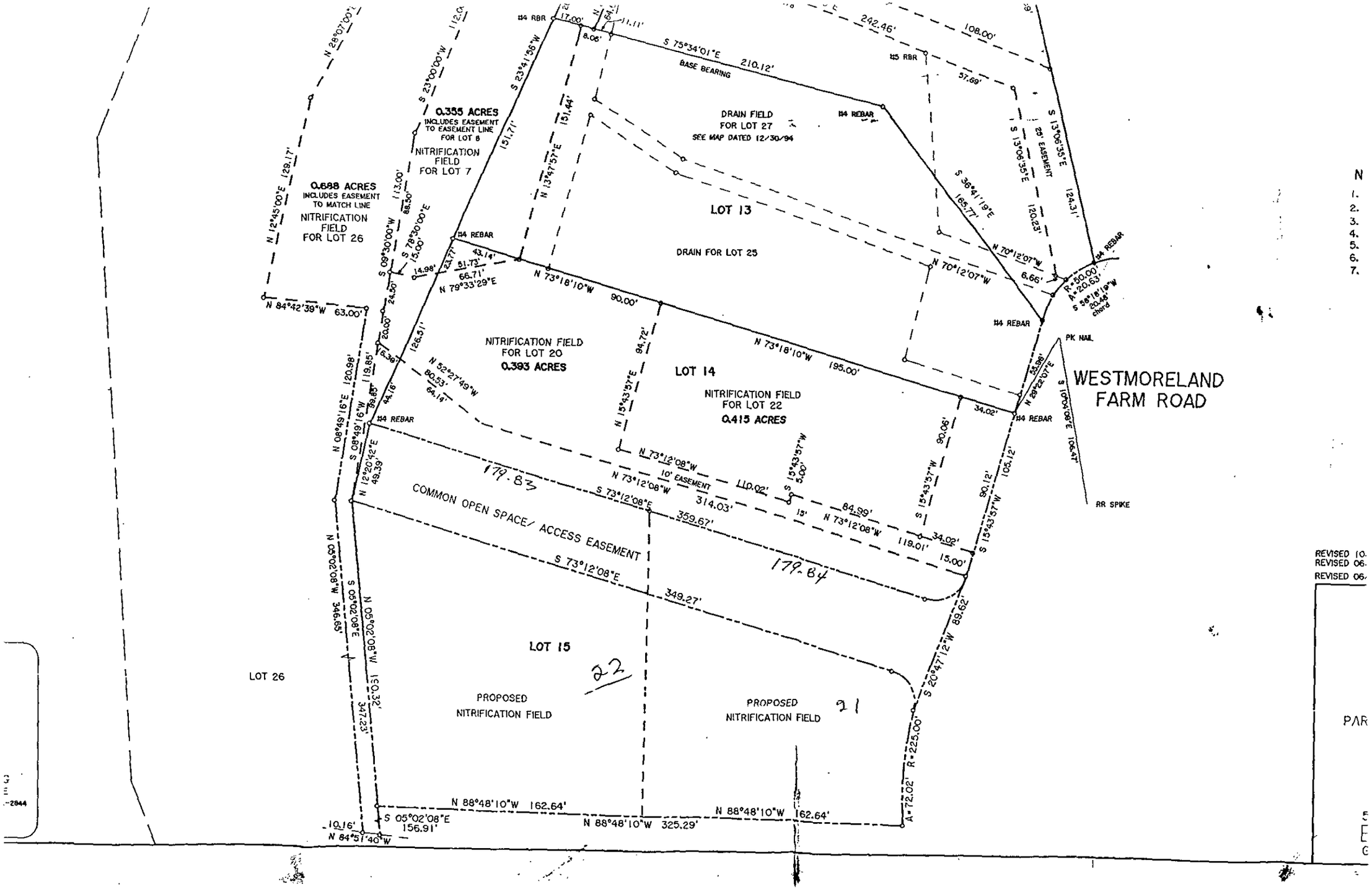
COMMENTS:

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:

☐ U.S. Mail ☐ Hand Delivery ☐ ____

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


0.355 ACRES
INCLUDES EASEMENT TO EASEMENT LINE FOR LOT 8
NITRIFICATION FIELD FOR LOT 7
0.688 ACRES
INCLUDES EASEMENT TO MATCH LINE
NITRIFICATION FIELD FOR LOT 26
DRAIN FIELD FOR LOT 27
SEE MAP DATED 12/30/94
LOT 13
DRAIN FOR LOT 25
NITRIFICATION FIELD FOR LOT 20
0.393 ACRES
LOT 14
NITRIFICATION FIELD FOR LOT 22
0.415 ACRES
WESTMORELAND FARM ROAD
COMMON OPEN SPACE/ ACCESS EASEMENT
LOT 15
PROPOSED NITRIFICATION FIELD
PROPOSED NITRIFICATION FIELD
LOT 26
BASE BEARING
S 75°34'01"E 210.12'
#4 REBAR
#5 RBR
PK NAIL
RR SPIKE
N 84°42'39"W 63.00'
N 73°18'10"W 90.00'
N 73°18'10"W 195.00'
N 70°12'07"W 6.66'
S 36°41'19"E 185.77'
S 13°06'35"E 124.31'
S 13°06'35"E 120.23'
29' EASEMENT
S 23°34'36"W 151.71'
N 13°47'57"E 151.44'
S 23°00'00"W 112.0'
N 28°07'00"E
N 12°45'00"E 129.17'
S 09°30'00"W 113.00'
S 78°30'00"E 15.00'
N 79°33'29"E 66.71'
N 52°27'49"W 80.53'
N 08°49'16"E 120.98'
S 08°49'16"W 119.85'
N 12°20'42"E 49.39'
N 15°43'57"E 94.72'
S 15°43'57"W 90.08'
S 15°43'57"W 105.12'
N 73°12'08"W 110.02'
10' EASEMENT
N 73°12'08"W 314.03'
S 73°12'08"E 359.67'
N 73°12'08"W 84.99'
N 73°12'08"W 119.01'
S 73°12'08"E 349.27'
N 05°02'08"W 346.65'
S 05°02'08"E 347.23'
N 05°02'08"W 160.32'
S 05°02'08"E 156.91'
N 84°51'40"W
N 88°48'10"W 162.64'
N 88°48'10"W 325.29'
N 88°48'10"W 162.64'
S 20°47'12"W 89.62'
A=72.02' R=225.00'
R=50.00' A=120.63' S 56°18'19"W 90.46' chord
S 10°04'08"E 106.47'
S 29°22'07"E 33.98'
179.83
179.84
22
21
242.46'
108.00'
57.69'
34.02'
15.00'

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

400 #3

PROPERTY ID #: 007-423-02
Lot # : 19
File # : 27898

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: James Herring
APPLICANT: James D. Herring
ADDRESS: 605 Green St, Camden, SC
DATE EVALUATED: 12-21-98
PROPOSED FACILITY: residence
PROPOSED DESIGN FLOW (.1949): 480gpd
PROPERTY SIZE: 1.14
LOCATION OF SITE: Westmoreland Farm Acres
PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	Slopes 6-12% .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	0-6"	gr/scl	Fr/SExPl SS/SP	>36" TO SOIL WETNESS	36"	N/A	None	US
		6-36"	SBK ABK/SC	VFi/Mixed/ OS/VP					
2	LS	0-4"	gr/scl	Fr/SExPl SS/SP	>17" TO SOIL WETNESS	17"	N/A	None	US
		4-17"	SBK ABK/SC	VFi/Mixed/ OS/VP					
3	LS	0-7"	gr/scl	Fr/SExPl SS/SP	>26" TO SOIL WETNESS		N/A	None	US
		7-26"	ABK/ SBK/ C	VFi/SExPl OS/VP					
4	LS	0-4"	gr/scl	Fr/SExPl SS/SP	>11" TO SOIL WETNESS	11"	N/A	None	US
		4-11"	M/scl	Fi-VFi/Mixed/ SP					
5	LS	0-24"	gr/ scl	Fr/SExPl SS/SP	>48" TO SOIL WETNESS	48"	N/A	None	US
		24-48"	ABK SBK/ SC	VFi/Mixed/ OS/VP					
6	LS	0-4"	gr/scl	Fr/SExPl SS/SP	>27" TO SOIL WETNESS	27"	N/A	None	US
		4-27"	ABK SBK/ SC	VFi/Mixed/ OS/VP					

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

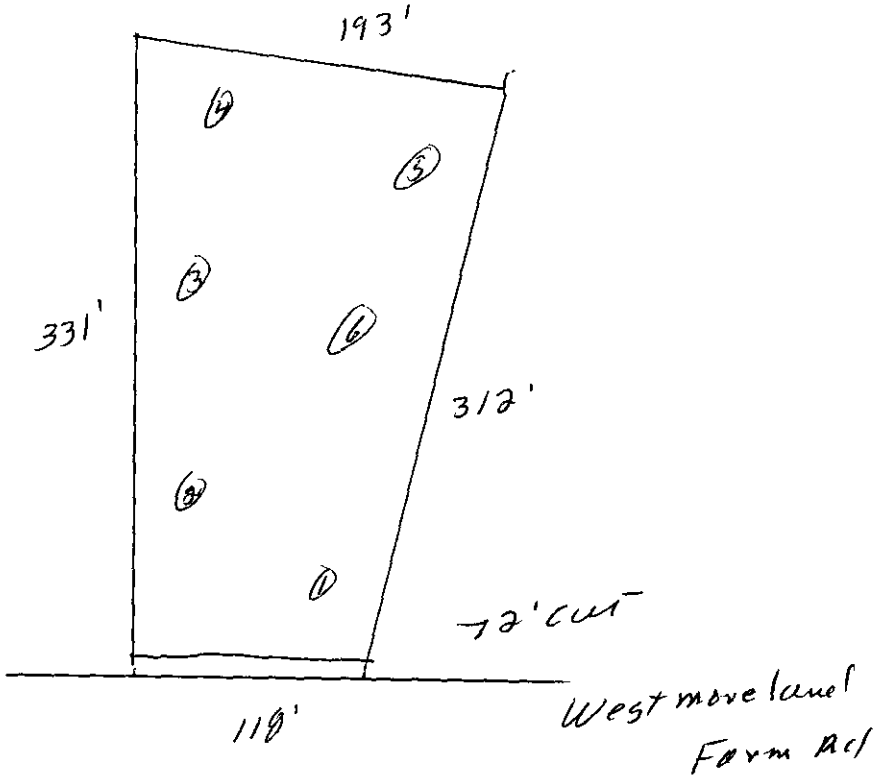
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W. A. Marlin 12-23-98
OTHER(S) PRESENT: LSS

27693

COMMENTS 1002 Reynes

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



FEE: 100 ck # 114
DATE: 12/9/98 JC

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

[ ] CRT

TYPE APPLICATION: X 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 #: 27898

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: # 007-427-02

STREET ADDRESS: Westmoreland Farm Lot #19

SUBDIVISION OR MOBILE HOME PARK NAME: WESTMORELAND FARM

LOT NUMBER: 19

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 3700

NUMBER OF BEDROOMS: 4 NUMBER OF OCCUPANTS: 3

CLOSING DATE _____

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

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

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

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
✓ 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 WASTEWATER SYSTEMS __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS ✓ YES __ NO
WELL, SPRINGS OR WATERLINES __ YES ✓ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:

NAME: HERRING (LAST) JAMES (FIRST) (MI)
ADDRESS: 605 Green St.
CITY: Camden STATE: SC ZIP: 29020
DAYTIME PHONE: 803 432-0239

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Young (LAST) Jeana (FIRST) D. (MI)
DAYTIME PHONE: (704) 892-7373

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: Jeana Young DATE: 12/9/98

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

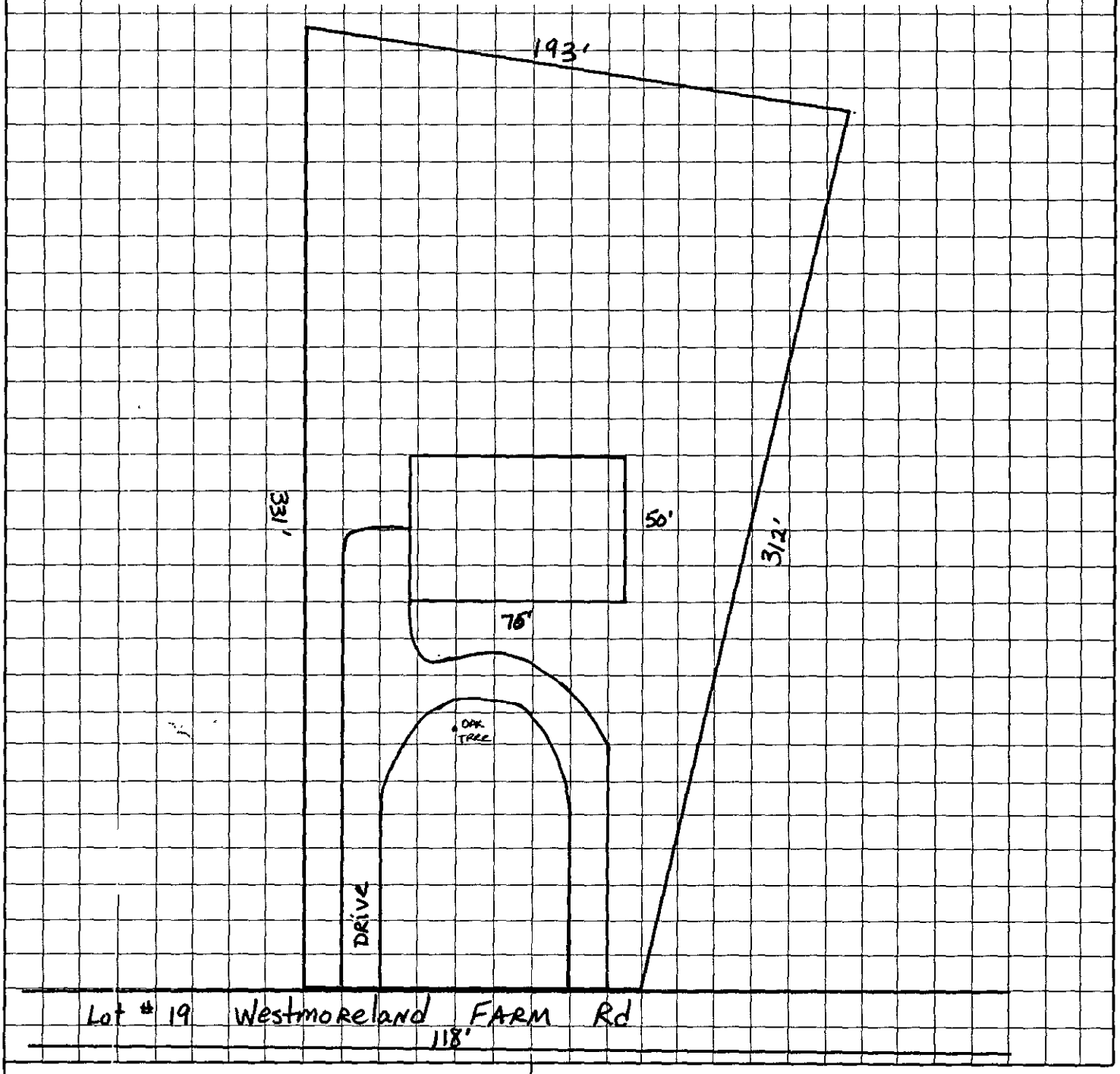
PROPOSED PLOT PLAN

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

FILE: 2789B

TC: 007-4/23-02

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.



APPROVAL DATE _____

OWNER/AGENT SIGNATURE

DATE

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