

5721 LINDA VISTA LN

03732139

1/4/2008

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

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CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4279B DATE: 9/18/00

TC: 037 321 39 ☒ L ☒ CRT

SERIAL Nº 18269

Name of Owner George E. Gelsinger Juris.: _____

Address of Property 5721 Linda Vista Ln

Inspection Data:

Tank Material PCC

Total Length of Drainfield 300'

Number of Lines 6 @ 50'

Cover Depth 12"

Water Supply Source well

Distance to Water Source >50'

Excavation Inspected 8/30/00

Tank(s) Inspected 8/30/00

Wash Line Inspected plumb to tank

High Water Alarm Inspected 9/13/00

PLOT

Design 2000, 1500ST, 1000DT, PI, INO, 300' chamber ceil CTR# Bio M Cons.

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☒ installed or constructed ☐ altered or repaired

☒ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☒ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Septic System designed for a 3 bedroom residence - Type IIIb Innovative System

Philip S. Walker RS.
Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

PD in Full

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

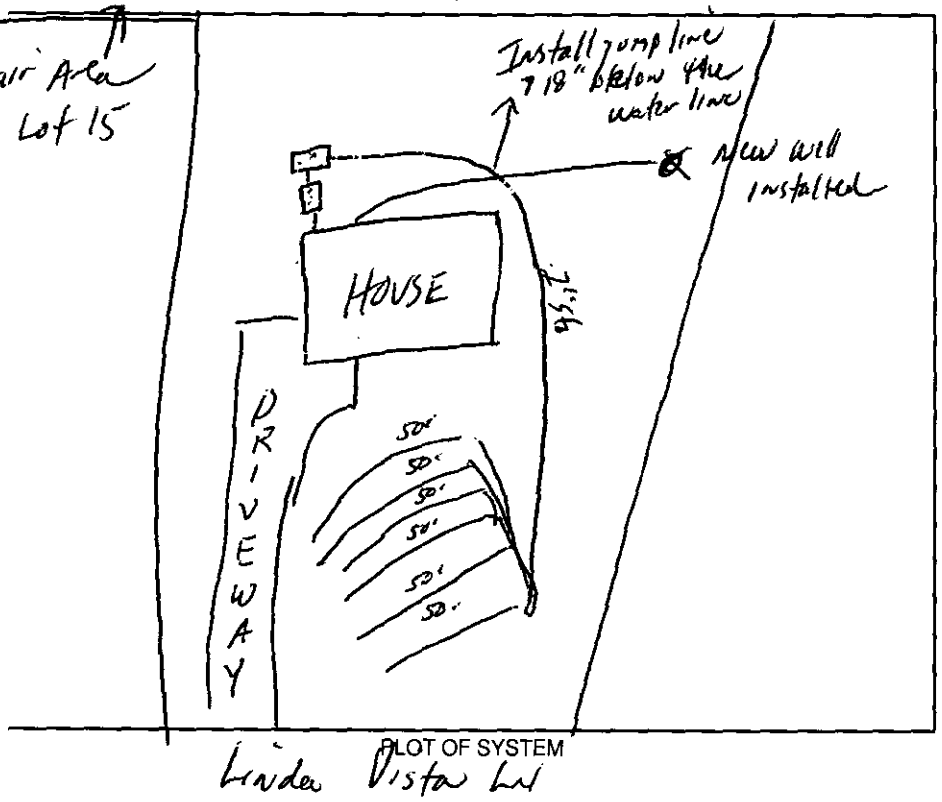
FILE: 4279B DATE: 8/25/00

TC: 037 32139 ☐ L

SERIAL No 18483

Permission is hereby given to _____ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 4/4/00. All work shall be completed on or before 9/25/00, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

Repair Area on Lot 15



PLOT OF SYSTEM

Linda Vista Ln

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank 1000 gallons

Tank Construction PCC

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Trench Walls Scored and Porous YES

Total Line Length 300' feet

Number of Lines 6 (50'

Depth of Stone NA inches

Distance from House 5' feet

Distance from Property Line 10' feet

Distance from Well > 50' feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER George R Gelsinger

LOCATION OF PROPERTY 5721 Linda Vista Ln

Comments: Innovative Septic System Approval, 1500ST, 1000DT, DI
6 lines x 50' long x 3' wd

Philip A. Walker RS.

Environmental Health Specialist

Receipt #31896

FEE: 105 / DATE: Flat

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

DATE: 5-10-00

PERMIT NO: 4279B
PARCEL NO: 037-321-39

JOB LOCATION ADDRESS: 5721 Linda Vista Lane
PROPERTY OWNER: Gelsinger Builders
BUILDING CONTRACTOR: Rich Gelsinger
SUBDIVISION NAME:
AUTHORIZATION ISSUED BY: F B Thompson, Jr, R.S. DATE: 5-10-00
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4279B, 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.

Richard B. Gelsinger 5-10-00
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

MECKLENBURG COUNTY
ENGINEERING & BUILDING STANDARDS DEPARTMENT

Miscellaneous Fees

Requestor (Please print): Gelsinger Builders	Phone #:	Date Requested: 5/10/00	Date Filled: 5/10/00
Account Name: Gelsinger Builders	☐ Cash ☒ Charge	Account No.: X31890	

I certify that I am authorized to charge this account for this service.

Signature: George R. Gelsinger Printed Name: George R Gelsinger Date: 5-10-00

Fee or Charge

T.C.	Qty.	Type	Unit Cost	Total Cost
021		Single Lot Grading Permit (Please list address below)		
112		Zoning Board of Adjustment ☐ Residential Variance Request ☐ Commercial Variance Request ☐ Residential Interpretation ☐ Commercial Interpretation		
113		Zoning Citation(s) # _____		
		☐ 117: Certificate of Compliance* ☐ 118: Certificate of Occupancy* (original is free)	$10.00 ea.	
119		Change of Contractor*	$10.00 ea.	
121		Letters of Certification/Verification	$10.00 ea.	
122		Monthly Statistical Reports	$10.00 ea.	
124		Research & Retrieval of Documents		
125		Temporary Utilities/Occupancy*	$30.00/insp.	
		Local License Card/Exam ☐ 128: Mechanical ☐ 129: Plumbing ☐ 132: Electrical		
		Development Activities Plan Review ☐ 002: Commercial Drainage ☐ 005: Erosion Control ☐ 016: Subdivision ☐ 006: Final Plat Review		
425		City of Charlotte Fire - Plan Review		
		Map Sales		
734	1	Other: Lt. Lighting to Cust.	150	150
703	1	Other: Cust + Fund	150	150
Payment received by: Jane Craig		Date: 5/10/00 By: GC	Total:	300

* Please list all permit numbers/addresses that relate to your request. A request for temporary utilities (gas and electric) would require two permit numbers.

5721 Sardis Vista Ln.		

B-216NS 8/95

WHITE – AUDIT CANARY – CUSTOMER PINK – DIVISION

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: 4279 B

Tax Number: 037-321-39

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	
.7 Long-term acceptance rate	360 Max gallons/day wastewater flow	400 Absorption Area (sq ft)	8' Trench spacing (min. on centers)	
Yes Serviced by private well	1500 Gallon septic tank	200 Total trench length (ft)	30" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)	
3 Bedrooms in residence	1000 Gallon pump tank	N/A Depth of stone Sand backfill		
Any surface waters present:	Type:	Minimum separation distance:		
Site modifications required:				
Additional Conditions: - Nema 4x Simplex Control Panel is required. - Maintenance Contract with a Certified Operator is required before Operation Permit will be issued. - Drive into lot must hug property line to allow room for system				
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	
400 Absorption Area (Sq ft) 200 Total Trench Length (Ft)	N/A Depth of Stone Trench Sand backfill	8' Trench spacing (min. on centers)	30' Maximum Trench Depth	
For existing system, enter the year originally installed:				

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

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

LB Thompson, J.R.S. 5-10-00
DEHNR Authorized Agent — Date

George B. Belsinger Jr. 5-10-00
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

MCHD
File: 4279-B

3-Bedrm PPBPS, Pumped PANEL BLOCK
SEPTIC SYS. PLAN. & PANEL REPAIR.

File Copy

SYSTEM TYPE:
- CONVENTIONAL
- CONVENTIONAL (SHALLOW PLACEMENT)
- 8-INCH PPBPS-GRAVITY DISTRIBUTION
- 8-INCH PPBPS-PRESSURE DISTRIBUTION
- 16-INCH PPBPS-GRAVITY DISTRIBUTION
- * 16-INCH PPBPS-PRESSURE DISTRIBUTION
- LPPS
- OTHER

SPECIALIZED EQUIPMENT OR REQUIREMENTS:
- DROP BOX
- DISTRIBUTION BOX
- DIPPER BOX
- FLOW DIVIDER
- WASH BOX
- SPECIAL FITTINGS
- PRESSURE MANIFOLD
- SIPHON
- MULTIPLE PUMPS
- OTHER
- WELL ABANDONEMENT
- EASEMENT
- LOT COMBINATION/SURVEY
- EARTHEN SURFACE SWELL
- FRENCH/CURTAIN DRAINS
- GREASE INTERCEPTOR
- PUMP TANK — 1,000 gal.
- SAPROLITE TEST
- (1) Valve Box
- (4) Gate valves to serve LINES
- (4) Stand pipes & caps

LINE	#PANELS PER LINE	#HOLES PER PANEL	HOLE SIZE	HOLE SPACING	LINE HEAD	LINE LENGTH	HOLE FLOW	PER MINUTE LINE FLOW
			Primary Sys.					
L^1	11	1	5/32	4.3	3	50'	150	5.5
L^2	11	1	5/32	4.3	3	50'	150	5.5
L^3	11	1	5/32	4.3	3	50'	150	5.5
L^4	11	1	5/32	4.3	3	50'	150	5.5
Total	44					200'		

Repair AREA
200'+

Revised

5/8/00

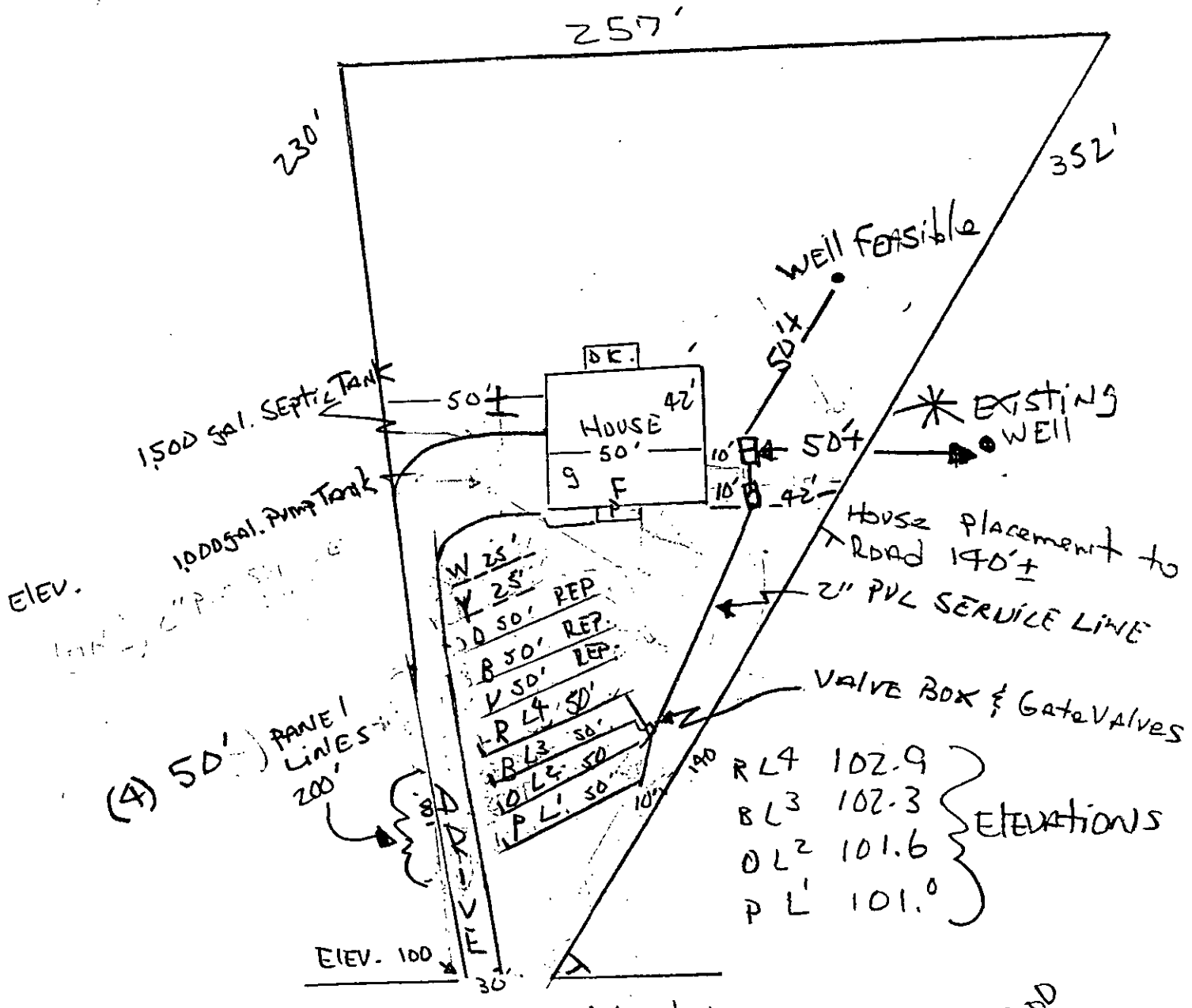
T. Whitaker
866-9540

MLHD
File: 4279-B
Lot 16

* (3) Bedrm. Pumped (PPBPS) PANEL Block SEPTIC System & PANEL REPAIR.

(4) 50' PANEL LINES = 200'

(11) PANELS PER LINE = 44 PANELS



5721 Linda Vista Ln.

* Permit is for 3 bedroom House only
* Watch drive closely - must run along side property line to allow room for system.

Revised 5/8/00 I.W.

I. Whittaker 886-9540

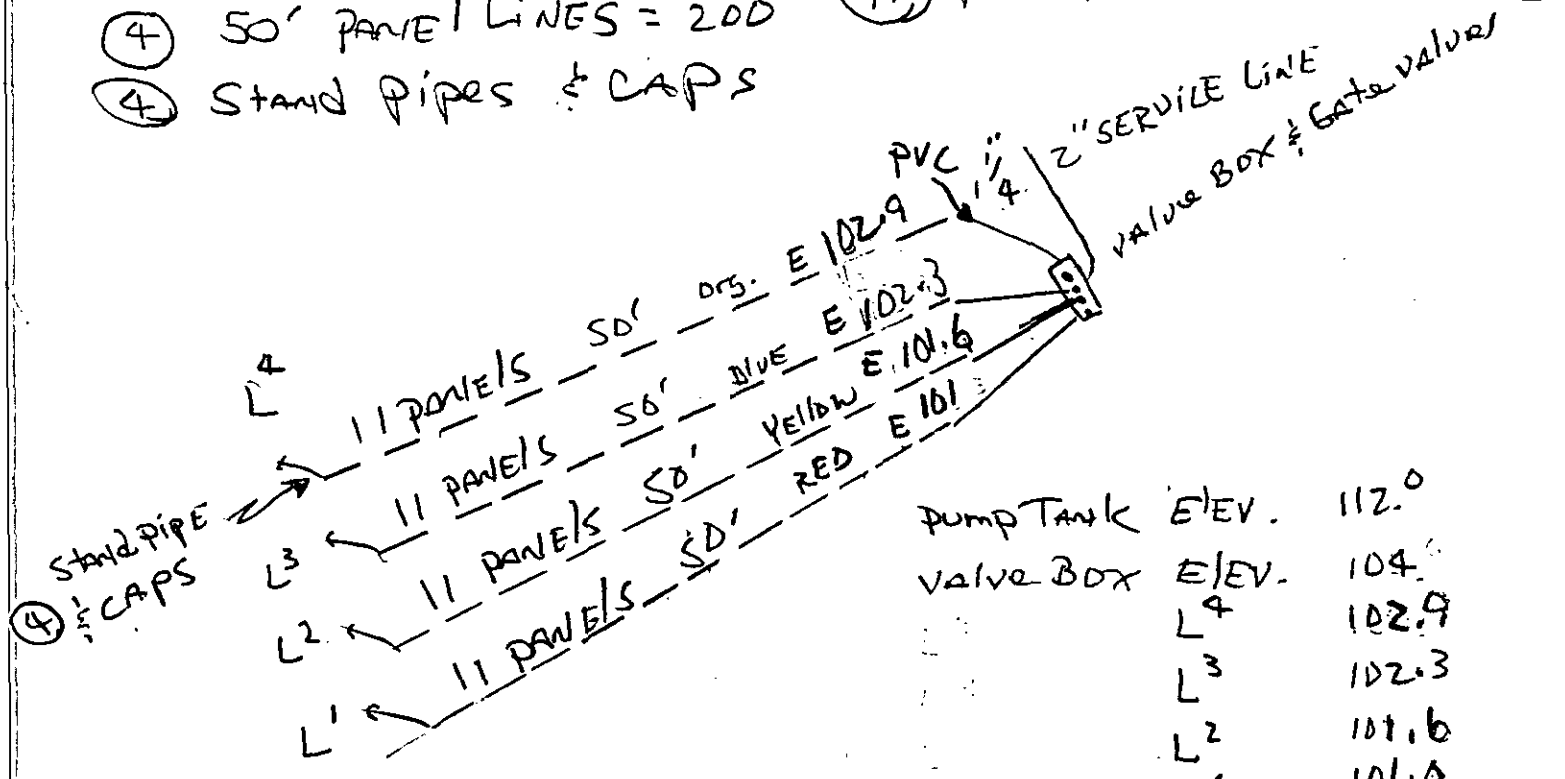
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MCHD
File: 4279-B

3-Bedrm. Panel Block SEPTic Sys.

SPECS: Primary Sys.

1,500 gal. SEPTic TANK } riSER/Filter RULES Apply.
1,000 gal. PUMP TANK } 1/4 HP PUMP
(1) VALVE BOX & (4) GATE VALVES in BOX
(4) 50' PANEL LINES = 200' (11) PANELS PER LINE = (44)
(4) Stand Pipes & CAPS



PUMP TANK	E/EV.	112.0
VALVE BOX	E/EV.	104.
	L^4	102.9
	L^3	102.3
	L^2	101.6
	L^1	101.0

* TDH = 13.5 @ 39.6 GPM
1/4 HP PUMP
7.2" drawdown PUMP TANK
4 minute PUMP CYCLE

NO SCALE

* Install PER MANUFACTURES SPES.

*ADDITIONAL SOIL & SITE EVALUATION MAY BE REQUESTED TO DETERMINE IF CONDITIONS ON-SITE COULD BE USED AS LPP REPAIR; THEN CHAMBER SYSTEM FOR PRIMARY.

CODE

MECKLENBURG COUNTY
ENGINEERING & BUILDING STANDARDS DEPARTMENT

INTERPRETATION

VOLUME: Volume VII

SUBJECT: Definition of Sleeping Room (Bedroom)

REVIEWED BY: Consistency Team

QUESTION:
What is the definition of a sleeping room (bedroom) as used in the building code.

CODE REFERENCE: Section 310.2 Emergency Egress Required. (Related section of the State Electrical Code is Section 210-71 Smoke Detector(s) Required.)

ANSWER:
A sleeping room (bedroom) is defined as: An enclosed room with a door and one or more closets which appears to be designed for, or which could likely be used for sleeping and includes rooms which may be identified as; den, family room, study, office, library etc.

Exception: Bonus rooms (such as typically found above garages) that do not have storage closets with full size doors (less than six feet high) are not required to comply with sleeping room requirements.

Note: Rooms meeting the definition above require compliance with all of the Code requirements including but not limited to Section 310.2 Emergency Egress Required which requires an approved emergency egress window or an exterior door opening directly from the room. (In addition, Section 210-71 of the Sate Electrical Code requires a smoke detector to be installed inside and in the area just outside each sleeping room.)

Approved By _____ Date 9-1-99_____

Mecklenburg County
Health Department
Conditions of Improvement Permit

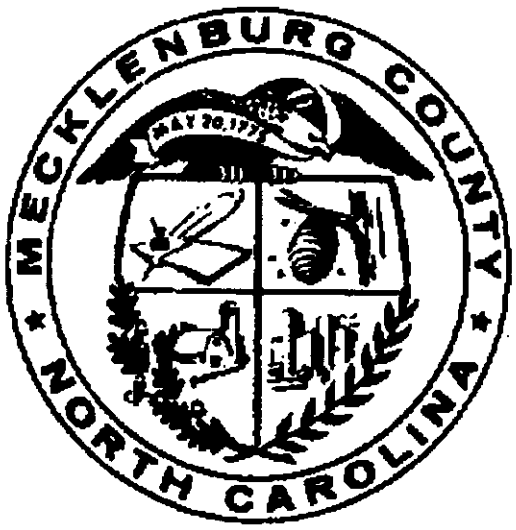
File Number: 4279B
Site Address: 5721 Linda Vista Lane

1. The permitted system is a Type IVa pressure dosed prefabricated porous block panel system (PPBPS) wastewater treatment and disposal system and requires ongoing maintenance. A maintenance contract must be executed between the system owner and a private certified operator before an Operation Permit can be issued. It is a condition of the Operation Permit that a maintenance contract shall be in effect for as long as the system is in use. It is also a requirement that subsequent owners of the system shall execute such a contract.
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. Septic and pump tanks must be installed in an area that is not subject to vehicular traffic. Final cover over both tanks must be less than 3 feet to prevent the need for State approved reinforced tanks.
4. Drain lines must be installed on contour. Trench bottoms 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.
5. Any changes in the site must be pre-approved by the Mecklenburg County Environmental Health Department.
6. 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

7. Septic system installer must be registered with Mecklenburg County prior to meeting for the required pre-construction conference.
8. 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 heads will be adjusted at the time of the final inspection.
9. 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.
10. 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.
11. The local Health Department is required, by the State, to perform system reviews of Type IVa systems at a minimum of once every 3 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.

Owner/Agent Signature [signature] **Date** 5-10-00



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

****

Filed For Registration: 09/06/2000 02:50 PM

Book: RE 11556 Page: 790-794

Document No.: 2000129592

ESMT 5 PGS $14.00

Recorder: JESSIE YOUNG

****

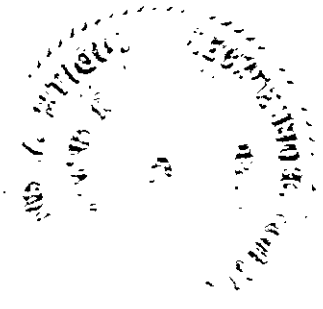
State of North Carolina, County of Mecklenburg

The foregoing certificate of BARBARA C. IRVIN Notary is certified to be correct. This 6TH of September 2000

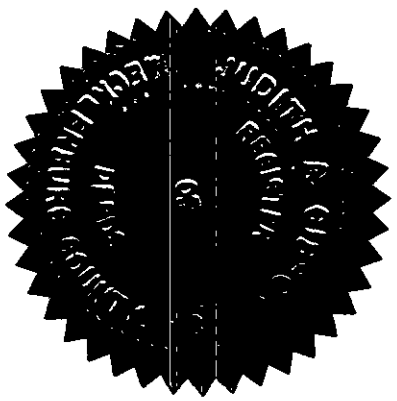
JUDITH A. GIBSON, REGISTER OF DEEDS By: Jessie Young
Deputy/Assistant Register of Deeds

****





2000129592



STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, DO HEREBY CERTIFY THIS TO BE A TRUE COPY OF DOCUMENT FILED AND RECORDED

IN BOOK 11556 PAGE(S) 790-794

THIS 6th DAY OF Sept. 2000

JUDITH A. GIBSON, REGISTER OF DEEDS

BY: Jessie Young
DEPUTY REGISTER OF DEEDS

Fik
42798

Lot #16 & 15

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

SEPTIC TANK DRAIN FIELD EASEMENT DECLARATION AND AGREEMENT

This DECLARATION AND EASEMENT made this 1 day of Sep, 2000, by and between George R. Gelsinger Jr., ("Declarant"), and any and all persons, firms or corporations hereafter acquiring any of the lots referred to herein.

WITNESSETH:

WHEREAS, Declarant is the owner of the Easement Parcel and the Benefitted Parcel, as described herein; and

WHEREAS, Declarant wishes to create a Septic Tank Drain Field Easement to control the development and the use of the Easement Parcel and the Benefitted Parcel for the protection of the owner of the Benefitted Parcel and the future owners thereof.

NOW, THEREFORE, Declarant hereby declares that the Easement Parcel and the Benefitted Parcel, as hereinafter defined, shall be held, sold and conveyed subject to the following Easement, which shall run with such parcels and be binding on all parties having any right, title or interest in such parcels, their heirs, successors and assigns, and shall be binding upon each owner thereof.

Declarant hereby creates an Easement as hereinafter described, to run with the land, upon that certain lot or parcel of land owned by Declarant, referred to herein as the "Easement Parcel", and located in the City of Charlotte, _____ Township, Mecklenburg County, North Carolina, and more particularly described as follows:

Mecklenburg Tax Parcel No. 037-321-38, as shown on a page of the County Tax Map attached hereto as Exhibit A
Lot 15 Block — of — recorded in Map Book 037 Page 32 (if applicable)

See the plat attached hereto as Exhibit B for the legal description of the parcel labeled thereon as the "Easement Parcel" and of the Septic Tank Drain Field Easement Area located thereon.

This instrument was prepared by: George R. Gelsinger Jr.
Mail after recording to: 457 Patrick Rd. Gastonia N.C. 28056

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2000 SEP 06 02:50 PM
BOOK:11556 PAGE:790-794 FEE:$14.00
INSTRUMENT # 20001129592

Declarant hereby imposes said Easement for the benefit of itself as the present owner and for the benefit of future owners of the following lot or parcel of land, referred to herein as the "Benefitted Parcel", situated in the City of Charlotte, _____ Township, Mecklenburg County, North Carolina, and more particularly described as follows:

Mecklenburg Tax Parcel No. 037-321-39, as shown on a page of the County Tax Map attached hereto as Exhibit A

Lot 16 Block — of — recorded in Map Book 37 Page 32 (if applicable)

See the plat attached hereto as Exhibit B for the legal description of the parcel labelled thereon as the "Benefitted Parcel".

Said Easement shall enable the owner of the Benefitted Parcel to place, if, as and when needed, such need to be determined by the owner of the Benefitted Parcel in his sole discretion, a septic tank and drain field or portions thereof, upon the Septic Tank Drain Field Easement Area on the Easement Parcel and to inspect, maintain, repair and replace the components of said septic tank and drain field at any time and from time to time. If the Easement Area also includes a connector strip for ingress and egress, the owner of the Benefitted Parcel shall have the right to use said connector strip for access as needed. ***This Easement may not be altered, amended or cancelled without the express written permission of the Mecklenburg County Health Department, which written permission must be part of any document recorded to alter, amend or cancel this Easement.*** This Easement shall automatically expire, however, should the owner of the Benefitted Parcel ever hook up the structure located or to be located on the Benefitted Parcel to a public or community sanitary sewage system but shall otherwise be perpetual.

Declarant as the owner of the Easement Parcel acknowledges that the Septic Tank Drain Field Easement Area cannot be used and will not be used for any of the following activities or in any of the following ways:

- Grading or filling
- Parking or driving heavy equipment in the area or in any other way compacting the soil in the Area
- Excavating soil from the Area
- Placing footings or foundations or engaging in any other construction activity in the Area
- Placing in-ground or above-ground swimming pools in the Area
- Placing irrigation systems in the Area
- Placing underground utility lines or cables in the Area
- Planting trees or gardens in the Area
- Removing any large trees in the Area unless dead or diseased
- Using the area for the burial of stumps, trash, or any other type of construction material
- Using the Area for gravesites

-- Diverting the natural flow of water onto the Area by way of drainage ditches or diversion ditches or using the Area to receive water from any gutter or downspout discharges

IN WITNESS WHEREOF, the Declarant has hereunto set his/her/their hand(s) and seal(s), 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 the authority of its Board of Directors, the day and year first above written.

DECLARANT

_____ _____ (SEAL)
(Corporate Name)

BY: _____ George Richard Gelsinger, Jr. (SEAL)
_____ President
George Richard Gelsinger, Jr.

_____ (SEAL)
ATTEST:

_____ _____ (SEAL)
_____ Secretary (Corporate Seal)

SEAL STAMP

BARBARA C. IRVIN NOTARY PUBLIC MECKLENBURG COUNTY, NC

North Carolina, Mecklenburg County

I, a Notary Public of the County and State aforesaid, certify that George Richard Gelsinger, Jr., Declarant, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 6th day of September, 2000

My Commission Expires: June 15, 2005 Barbara C. Irvin
(Notary Public)

SEAL-STAMP North Carolina, _____ County

I, a Notary Public of the County and State aforesaid, certify that _____ personally came before me this day and acknowledged that _he is _____ Secretary of _____, a _____ corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its _____ President, sealed with its corporate seal and attested by _____ as its _____ Secretary. Witness my hand and official stamp or seal, this _____ day of _____, 19__.

My Commission Expires: _____ _____
(Notary Public)

This document is not to be recorded until approved by the Mecklenburg County Health Department.

APPROVED AS TO THE SEPTIC REPAIR AREA REQUIREMENTS:

MECKLENBURG COUNTY HEALTH DEPARTMENT

BY: Kelly Rundell DATE: 9-7-00

Kelly Rundell
(print name)

Approval by the Mecklenburg County Health Department does not certify or extend to matters of title. The purchaser of property subject to or affected by this easement is responsible for ascertaining all matters affecting the validity and enforceability of this instrument.

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2000 JUN 21 03:52 PM
BOOK:11368 PAGE:792-795 FEE:$12.00
INSTRUMENT # 2000086769

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 # 4279B
PARCEL # 037-321-39

The undersigned, George Gelsinger Jr. Gelsinger Builders, owner of property located at 5721 Linda Vista Lane, (the "site") and described in an instrument recorded in Book 11345 at Page 440, 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: _____
Mail after recording to: Gelsinger Builders 459 Patrick Rd Gastonia N.C. 28056

FROM : GELSINGERBLDR Aug. 01 2000 03:27PM P2 FAX NO. : 7048548883

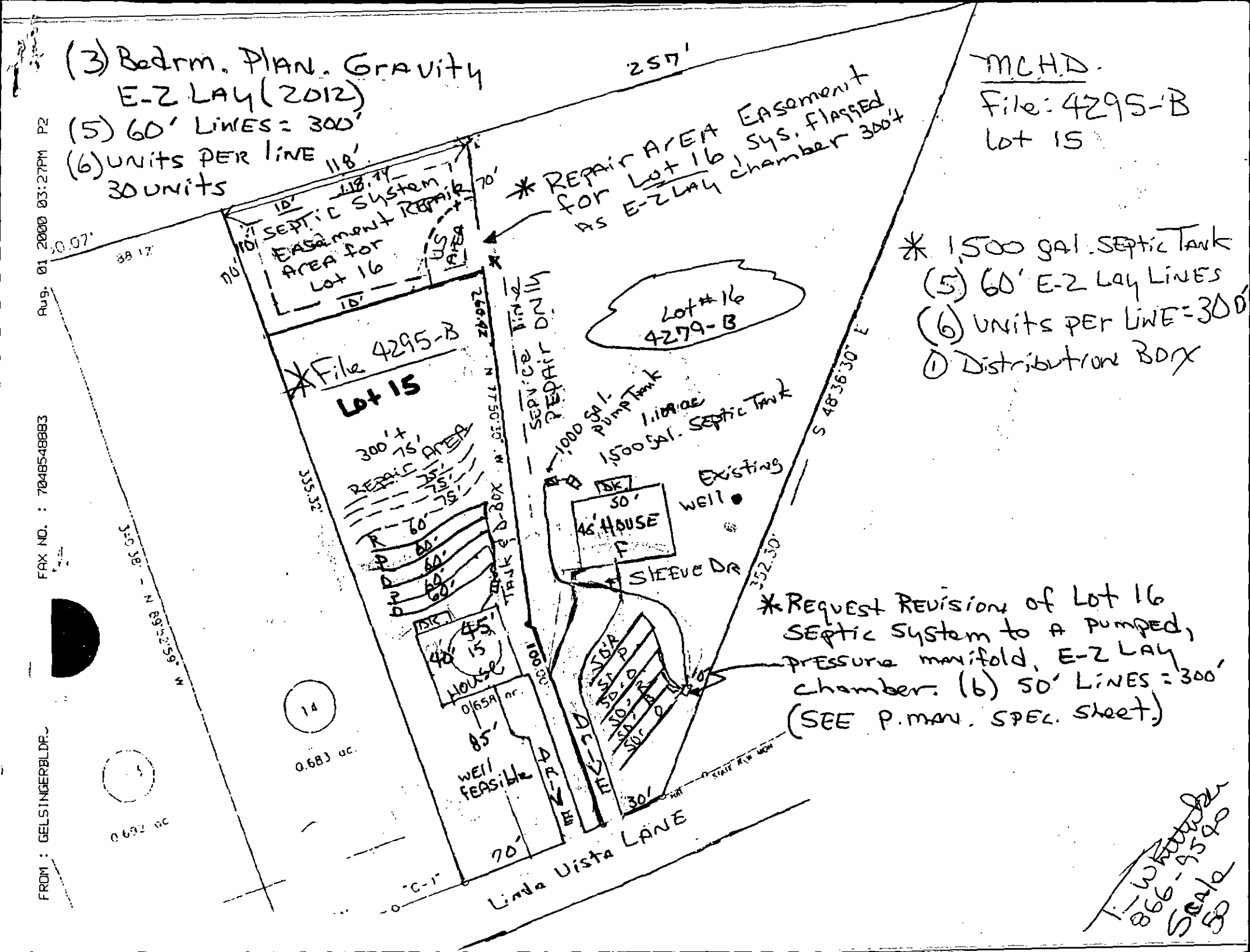
(3) Bedrm. PLAN. Gravity
E-Z LAY (2012)
(5) 60' LINES = 300'
(6) UNITS PER LINE
30 UNITS

MCHD.
File: 4295-B
Lot 15

* 1,500 gal. Septic Tank
(5) 60' E-Z Lay Lines
(6) Units per Line = 300'
(1) Distribution Box

* Repair Area Easement for Lot 16 Sys. Flagged as E-Z Lay chamber 300'

* Request Revision of Lot 16 Septic System to a pumped, pressure manifold, E-Z Lay chamber. (6) 50' Lines = 300' (SEE P. MAN. SPEC. sheet)



T. Wheeler
866-9540
Scale 1" = 50'

Revised to:

mc.HD.
File: 4279-B

(3) Bedrm. Pumped, Pressure manifold, E-2 LAY SEPTIC SYS. Lot 16

- 1500 gal. SEPTIC TANK
- 1,000 gal. PUMP TANK
- PRESSURE MANIFOLD - SEE SPEC Sheets (Contractors CHOICE)

(6) 50' Lines = 300' E-2 LAY

(5) E-2 LAY units per LINE = 30 chamber units

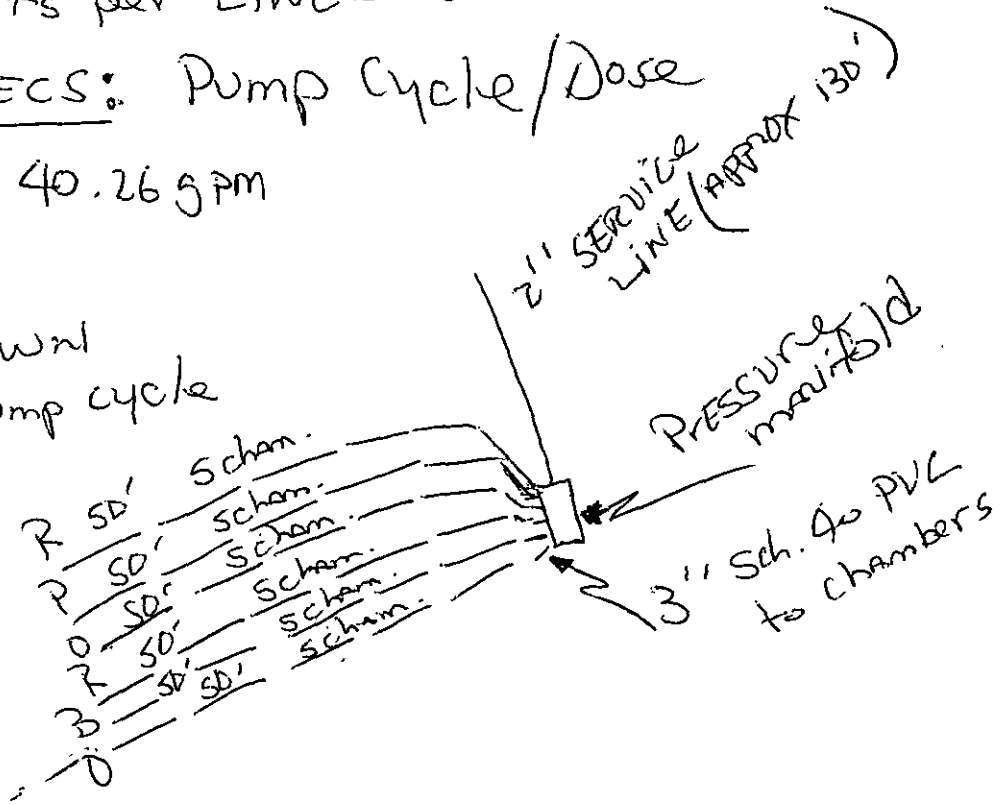
P. manifold SPECS: Pump Cycle/Dose

TDH = 15.6 @ 40.26 gpm

1/4 HP PUMP

8.6 Drawdown

4.5 minute pump cycle



* Install 9' on center, PER MANUFACTURERS SPECS.

Tim Wheeler Review 8/24/00

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

Sheet: _____

Property ID: 037-321-34

Lot #: 16

File #: 42913

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Gelsenger Builders APPLICANT: Rich Gelsenger

ADDRESS: 459 Patrick Road, Hardeeville DATE EVALUATED: 4-17-00

PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949) _____ PROPERTY SIZE: 1.1

LOCATION OF SITE: 5721 Senda Vista Lane PROPERTY RECORDED: _____

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

EVALUATION METHOD: ☐Augur Boring ☑Pit ☐Cut

TYPE OF WASTEWATER: ☑Sewage ☐Industrial Process ☐Mixed

PROFILE #	.1940 Landscape Position/ Slope %	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS	0-6"	gr/cl	Fr/SE/Po/SS/SP	745" TO soil wetness	45"	US	None	US
		6-45"	SBK/St/c w/ VF: Fractured Rock						
2	LS	0-6"	gr/cl	Fr/SE/Po/SS/SP	744" TO soil wetness	41"	US	None	US
		6-19"	SBK/c	F:/SE/Po/SS/P					
		19-41"	M/cl	Fr/SE/Po/SS/SP					
3	LS	0-6"	gr/cl	Fr/SE/Po/SS/SP	744" To soil wetness	24"	US	None	US
		6-24"	SBK/c	VF:/Mixed//US/VP					
		21-44"	M/cl	Fr/SE/Po/SS/SP					
4	LS	0-5"	gr/cl	Fr/SE/Po/SS/SP	753" TO soil wetness	24"	US	None	US
		5-24"	SBK/c	VF:/Mixed//US/VP					
		24-46"	M/cl	Fr/SE/Po/SS/SP					
		46-53"	M/cl	VF:/SE/Po/SS/SP					
5	LS	0-7"	gr/cl	Fr/SE/Po/SS/SP	754" TO soil wetness	24"	US	None	US
		7-24"	SBK/c	F:/SE/Po/SS/P					
		24-46"	M/cl	Fr/SE/Po/SS/SP					
		46-54"	M/sc	VF:/SE/Po/SS/SP					

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. Maulis LSS 4-18-00

OTHER(S) PRESENT: R. Gelsenger

FILE # 427913

COMMENTS 100% Repair

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE MOIST	CONSISTENCE 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

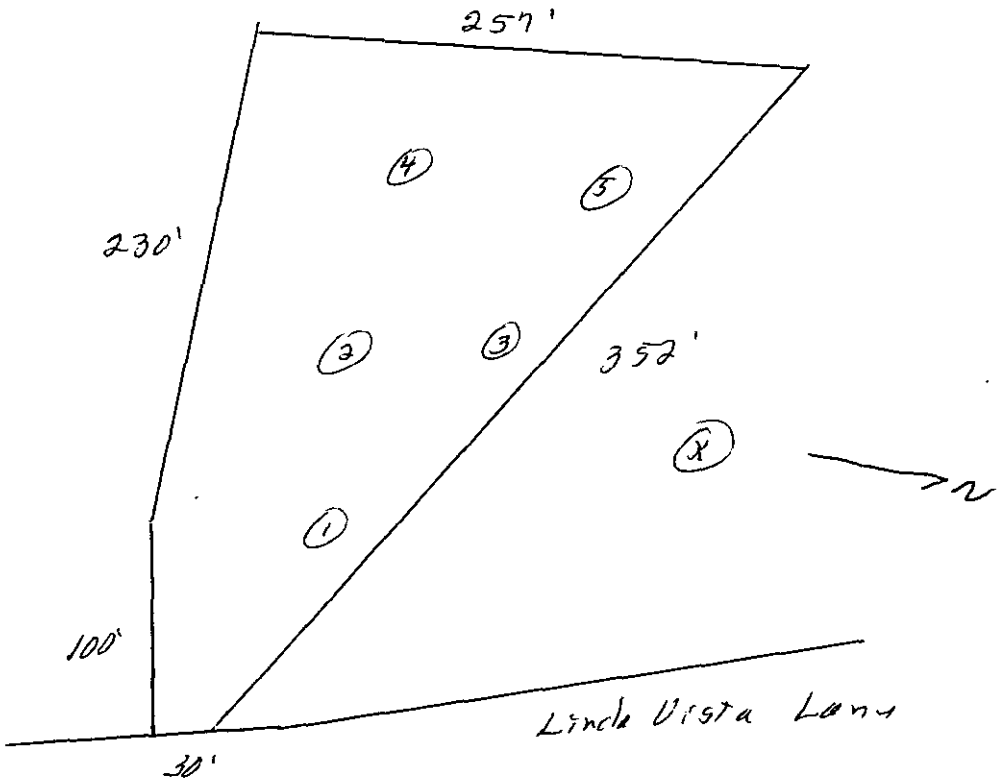
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



Mecklenburg County
Health Department

April 25, 2000

George Gelsinger
459 Patrick Road
Gastonia, NC 28203

Re: 5721 Linda Vista Lane
File: 4279B
Parcel: 037-321-39

Dear Property Owner:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been concluded. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1942 **SOIL WETNESS CONDITIONS**, .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 Rules .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 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 date 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, R.S.
Individual Water and Wastewater Systems

/kdt

DATE: 4-5-00 gc

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

037-321-39 [ ] 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

COPY

FILE #: 4279B ~~037-321-20~~

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: 5721 Linda Vista Ln.

TAX/PARCEL NUMBER: ~~PO 037-032-20~~

STREET ADDRESS: 5721 Linda Vista Ln.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: #16

TOWNSHIP (CHECK ONE): 1.1

TYPE OF BUILDING (CHECK ONE):

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

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

CLOSING DATE_____

HEATED SQUARE FOOTAGE: 1597

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 2

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)
P 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: Gelsinger (LAST) Builders (FIRST) (MI)	NAME: Gelsinger (LAST) George (FIRST) R. (MI)
ADDRESS: 459 Patrick Rd.	DAYTIME PHONE: ( ) 363-1518
CITY: Gastonia STATE: N.C. ZIP: 28056	
DAYTIME PHONE: 704 363-1518	

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: George R. Gelsinger DATE: 4-4-00

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

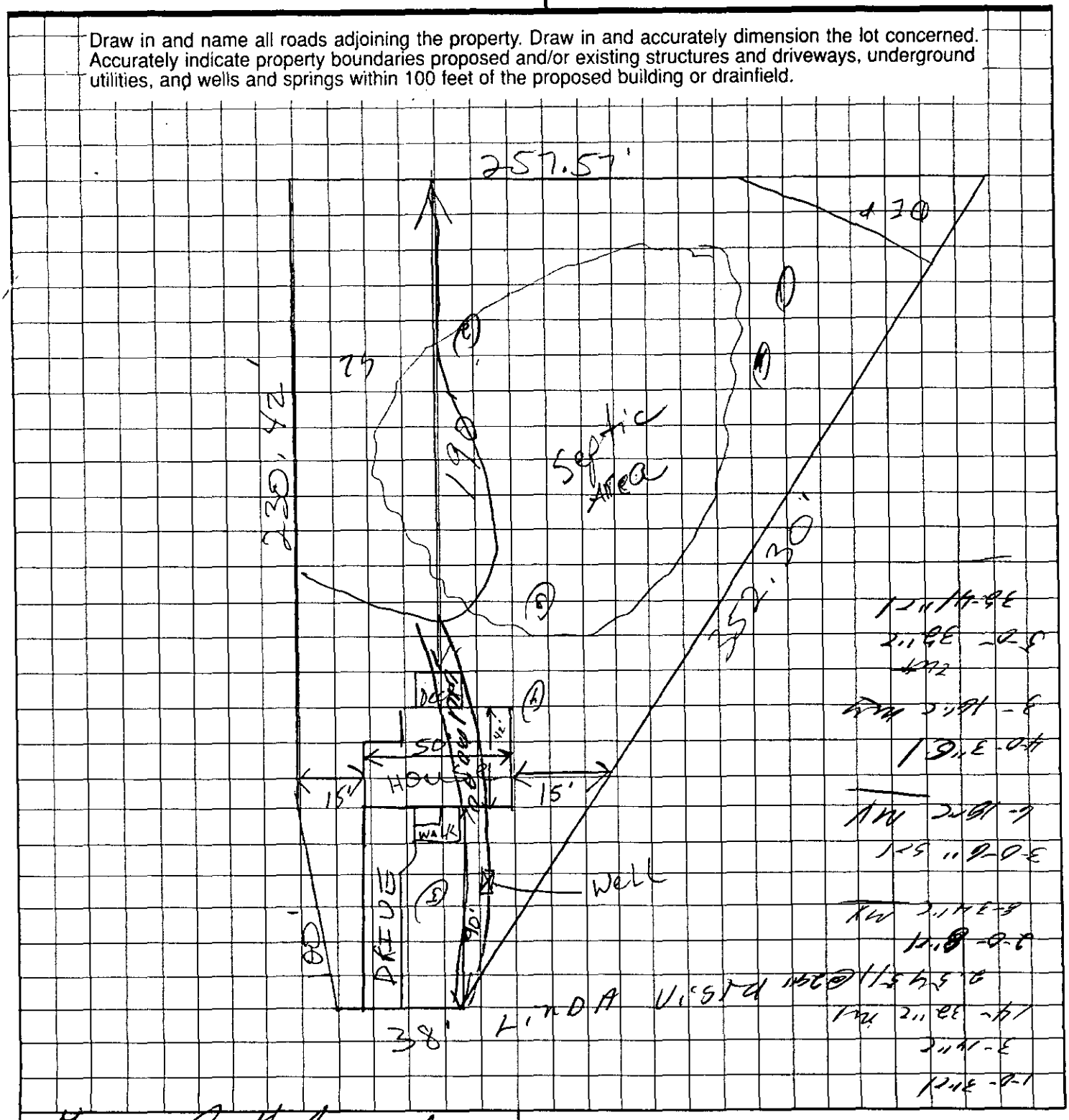
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PROPOSED PLOT PLAN

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

FILE: 4279B
PO
TOS 37-032.20

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 4-4-00

APPROVAL DATE _____

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

COBA

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

#2

Property ID: 037-321-39
Lot #: 16
File #: 42793

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Helsinger Builders APPLICANT:
ADDRESS: 459 Patrick Road, Starkville DATE EVALUATED: 4-12-00
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949) 360 PROPERTY SIZE: 1.1
LOCATION OF SITE: 5721 Lenda Westa Lane PROPERTY RECORDED:
WATER SUPPLY: ☑Private ☐Public ☑Well ☐Spring ☐Other
EVALUATION METHOD: ☑Augur Boring ☐Pit ☐Cut
TYPE OF WASTEWATER: ☑Sewage ☐Industrial Process ☐Mixed

PROFILE #	Slopes 6-15% .1940 Landscape Position/ Slope %	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS	0-3"	gr/cl	Fr/SEXP/SS/SP	2.5Y 5/1@ 29"	32"	N/A	None	US
		3-14"	SBK/C	F:/SEXP/SP					
		14-32"	SBK/C	VF:/Mixed//VS/VP					
2	LS	0-8"	gr/cl	Fr/SEXP/SS/SP	+34" To soil wetness	34"	N/A	None	US
		8-34"	SBK/C	VF:/Mixed//VS/VP					
3	LS	0-6"	gr/scl	Fr/SEXP/SS/SP	+18" To soil wetness	18"	N/A	None	US
		6-18"	SBK/C	VF:/Mixed//VS/VP					
4	LS	0-3"	gr/scl	Fr/SEXP/SS/SP	+16" To soil wetness	16"	N/A	None	US
		3-16"	SBK/C	VF:/Mixed//VS/VP					
5	LS	0-32"	SBK/C	F:/SEXP/SP	+41" To soil wetness	41"	N/A	None	PS IV .39 F_2
		32-41"	SBK/CL	Fr/SEXP/SS/SP					

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.R. Mullis LSS 4-13-00
OTHER(S) PRESENT:

FILE # 4279B

COMMENTS 100% Repair

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE MOIST	CONSISTENCE 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

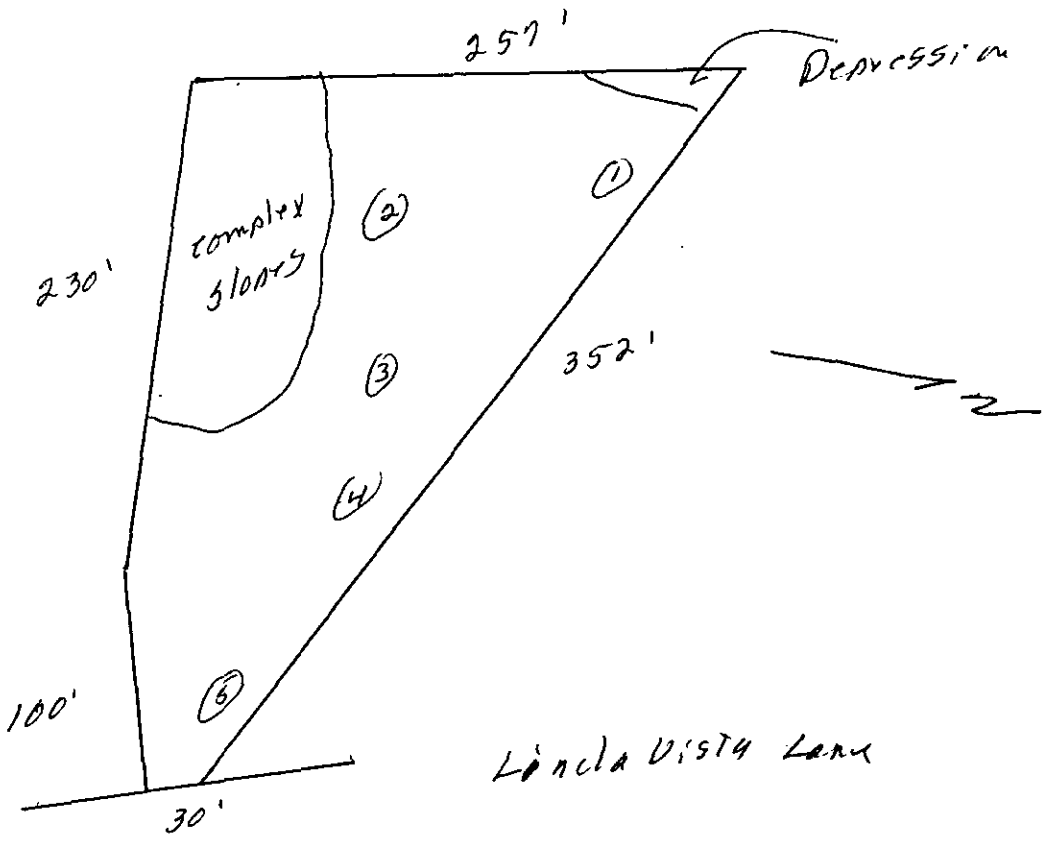
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Property ID: 037-321-39

Lot #: 16

File #: 42743

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Helsinger Builders APPLICANT: Rick Helsinger

ADDRESS: 459 Patrick Road, Statesville DATE EVALUATED: 4-19-00

PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949) _____ PROPERTY SIZE: 1.1

LOCATION OF SITE: 5721 Lenda Vista Lane PROPERTY RECORDED: _____

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

EVALUATION METHOD: Augur Boring ~~Pit~~ Cut

TYPE OF WASTEWATER: ~~Sewage~~ Industrial Process Mixed

PROFILE #	.1940 Landscape Position/ Slope %	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS	0-6"	gr/cl	Fr/SE/P/SS/SP	745" TO soil wetness	45"	US	None	US
		6-45"	SBM/SPI w/ VF. Fractured						
			Rock						
2	LS	0-6"	gr/cl	Fr/SE/P/SS/SP	744" TO soil wetness	41"	US	None	US
		6-19"	SBM/C	F./SE/P/SP					
		19-41"	M/C/	Fr/SE/P/SS/SP					
3	LS	0-6"	gr/cl	Fr/SE/P/SS/SP	744" To soil wetness	24"	US	None	US
		6-24"	SBM/C	VF./Mixed/US/VP					
		24-44"	M/C/	Fr/SE/P/SS/SP					
4	LS	0-5"	gr/cl	Fr/SE/P/SS/SP	753" TO soil wetness	24"	US	None	US
		5-24"	SBM/C	VF./Mixed/US/VP					
		24-46"	M/C/	Fr/SE/P/SS/SP					
		46-53"	M/C/	VF./SE/P/SS/SP					
5	LS	0-7"	gr/cl	Fr/SE/P/SS/SP	754" TO soil wetness	24"	US	None	US
		7-24"	SBM/C	F./SE/P/SP					
		24-48"	M/C/	Fr/SE/P/SS/SP					
		48-54"	M/SC	VF./SE/P/SS/SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	44	44
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): Unsuitable

EVALUATED BY: W. A. Brown LSS 4-16-00

OTHER(S) PRESENT: B Helsinger

FILE # 42 1913

COMMENTS 1000 Repairs

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

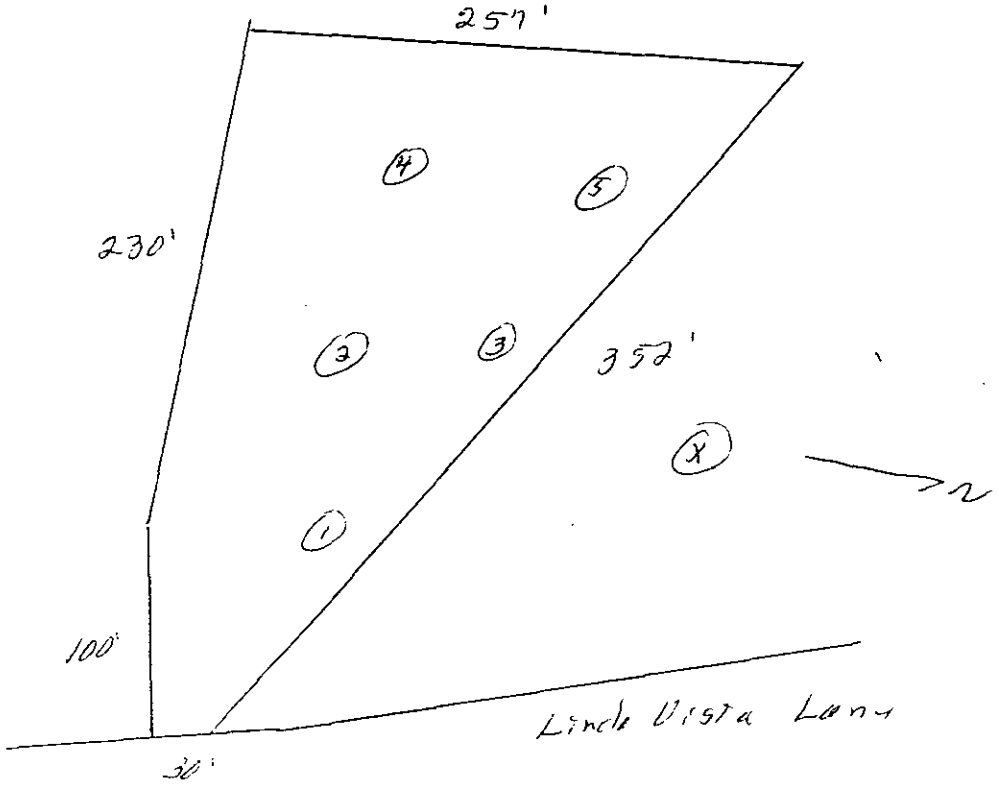
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



May use easement on adjacent lot

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

Sheet: _____

Property ID: 037-321-39

Lot #: 16

File #: 42798

Site AC #2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Helsinger Builders APPLICANT: _____

ADDRESS: 459 Patrick Road, Hendersonville DATE EVALUATED: 4-12-00

PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949) 360 PROPERTY SIZE: 1.1

LOCATION OF SITE: 5721 Linda Vista Lane PROPERTY RECORDED: _____

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

EVALUATION METHOD: ☑Augur Boring ☐Pit ☐Cut

TYPE OF WASTEWATER: ☑Sewage ☐Industrial Process ☐Mixed

PROFILE #	.1940 Landscape Position/ Slope %	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS Slopes 6-15%	0-3" 3-14" 14-32"	gr/sl SBK/c SBK/c	Fr/SE/P/SS/SP F.I/SE/P/SP VF.I/Mixed/VS/VP	2.5Y 5/1 @ 29"	32"	N/A	None	US
2	LS	0-8" 8-34"	gr/sl SBK/c	Fr/SE/P/SS/SP VF.I/Mixed/VS/VP	>34" To soil wetness	34"	N/A	None	US
3	LS	0-6" 6-18"	gr/sl SBK/c	Fr/SE/P/SS/SP VF.I/Mixed/VS/VP	>18" To soil wetness	18"	N/A	None	US
4	LS	0-3" 3-16"	gr/sl SBK/c	Fr/SE/P/SS/SP VF.I/Mixed/VS/VP	>16" To soil wetness	16"	N/A	None	US
5	LS	0-32" 32-41"	SBK/c SBK/cl	F.I/SE/P/SP Fr/SE/P/SS/SP	>41" To soil wetness	41"	N/A	None	PS IV .39[F2]

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.R. Merlin LSS 4-13-00

OTHER(S) PRESENT: _____

FILE # 4279B

COMMENTS 1002 Repair

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE MOIST	CONSISTENCE 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

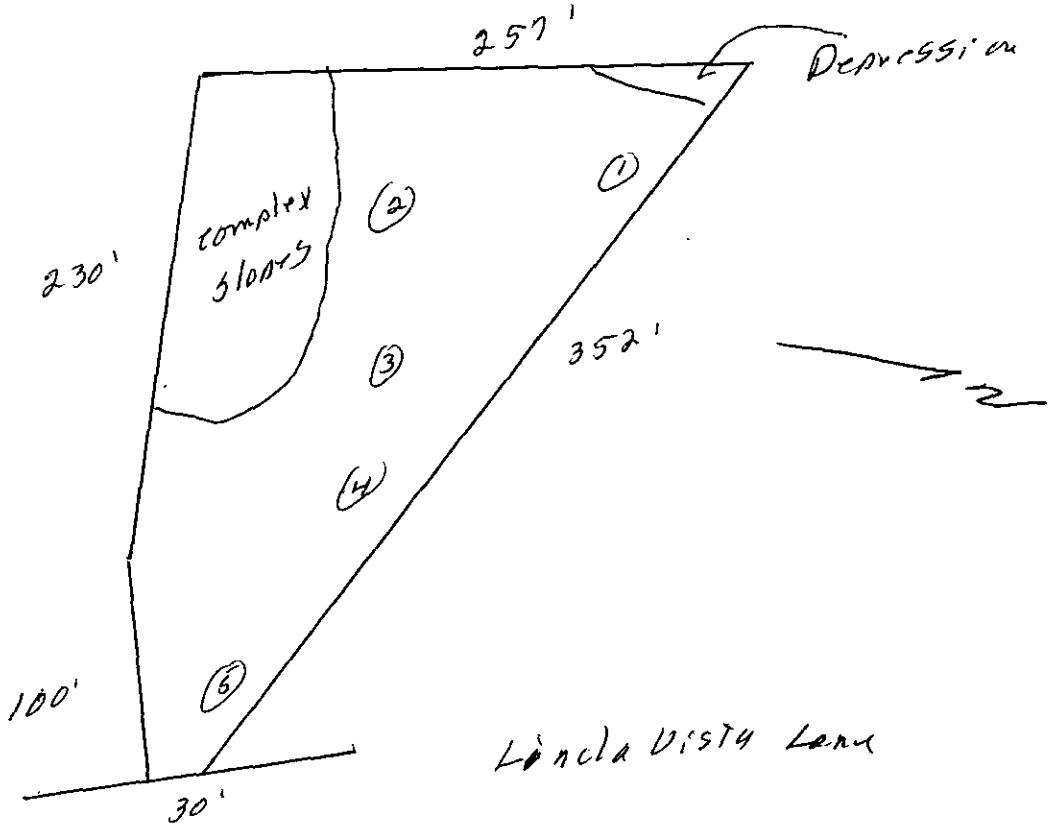
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



DATE: 4-4-00 gc

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

Add'l 2 bedroom plan 100.00 add 1 CRT 11/3/00 gc

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 #: 4298

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: 5721 Linda Vista Ln.

TAX/PARCEL NUMBER: ~~PD 037-052.20~~ 037-321-39

STREET ADDRESS: 5721 Linda Vista Ln.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: #16

TOWNSHIP (CHECK ONE):

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

CLOSING DATE _____

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: 1597

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 2

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)
P 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: Gelsinger (LAST) Builders (FIRST) (MI)

ADDRESS: 459 Patrick Rd.

CITY: Gastonia STATE: N.C. ZIP: 28056

DAYTIME PHONE: 704 363-1518

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Gelsinger (LAST) George (FIRST) R. (MI)

DAYTIME PHONE: (363-1518

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: George R. Gelsinger DATE: 4-4-00

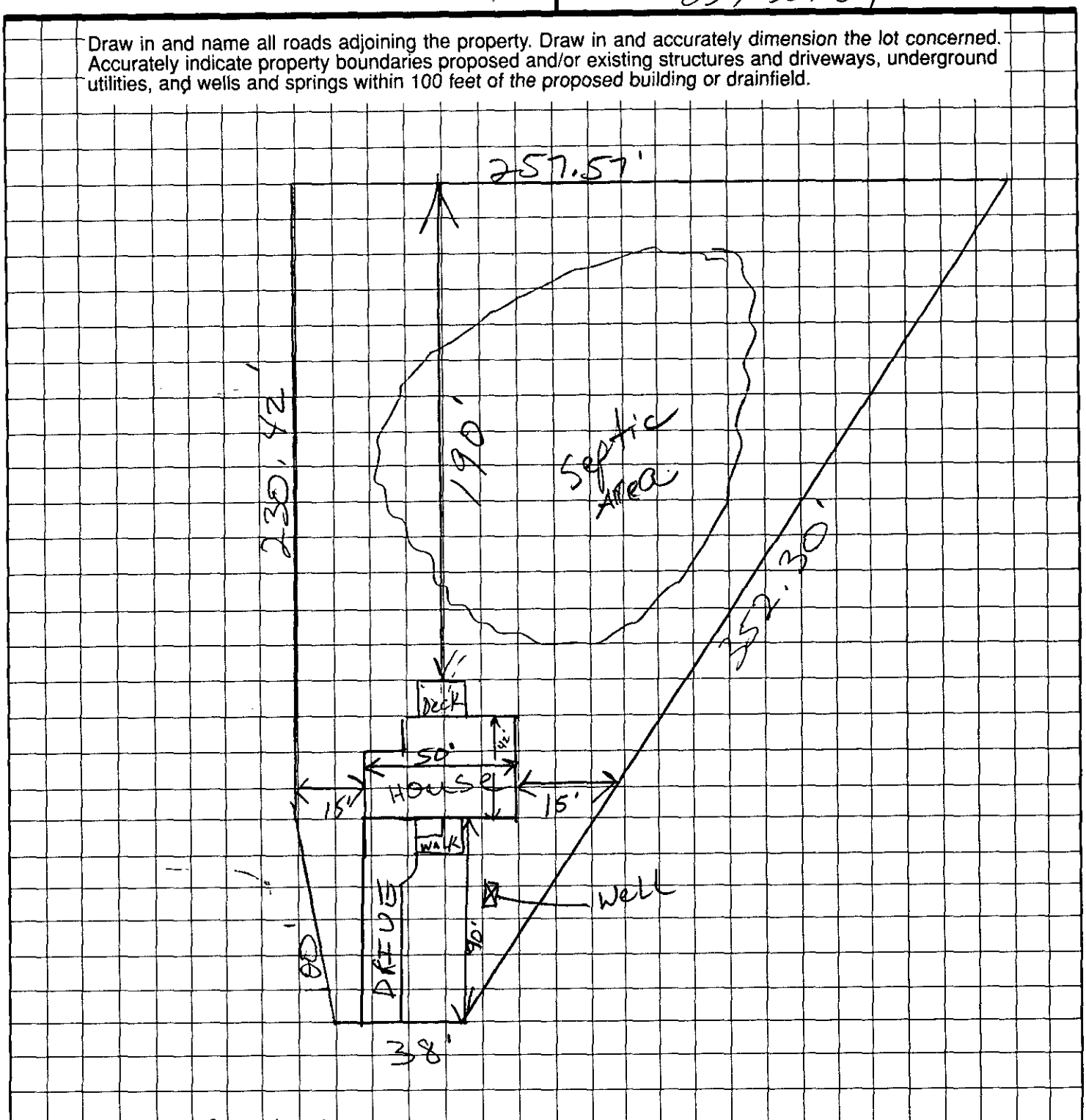
MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

PROPOSED PLOT PLAN

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

FILE: 4279B
PD
TO ~~037-032-20~~
037-321-39

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 4-4-00

APPROVAL DATE _____

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

MECKLENBURG COUNTY
ENGINEERING & BUILDING STANDARDS DEPARTMENT

Miscellaneous Fees

Requestor (Please print): R. K. Ellinger	Phone #: 363-1518	Date Requested: 4/5/00	Date Filled: 4/5/00
Account Name: Ellinger	☐ Cash ☑ Charge		Account No.: B 13 1 1 C

I certify that I am authorized to charge this account for this service.

Signature: R. K. Ellinger Printed Name: Date:

Fee or Charge

T.C.	Qty.	Type	Unit Cost	Total Cost
021		Single Lot Grading Permit (Please list address below)		
112		Zoning Board of Adjustment ☐ Residential Variance Request ☐ Commercial Variance Request ☐ Residential Interpretation ☐ Commercial Interpretation		
113		Zoning Citation(s) # _____		
		☐ 117: Certificate of Compliance* ☐ 118: Certificate of Occupancy* (original is free)	$10.00 ea.	
119		Change of Contractor*	$10.00 ea.	
121		Letters of Certification/Verification	$10.00 ea.	
122		Monthly Statistical Reports	$10.00 ea.	
124		Research & Retrieval of Documents		
125		Temporary Utilities/Occupancy*	$30.00/insp.	
		Local License Card/Exam ☐ 128: Mechanical ☐ 129: Plumbing ☐ 132: Electrical		
		Development Activities Plan Review ☐ 002: Commercial Drainage ☐ 005: Erosion Control ☐ 016: Subdivision ☐ 006: Final Plat Review		
425		City of Charlotte Fire - Plan Review		
		Map Sales		
701	1	Other: Flood Improvement	200	200
		Other:		
Payment received by: [illegible]		Date: 4/5/00	By: GC	Total: 200

* Please list all permit numbers/addresses that relate to your request. A request for temporary utilities (gas and electric) would require two permit numbers.

5721 Linden Wood Lane		

B-216NS 8/95

WHITE – AUDIT CANARY – CUSTOMER PINK – DIVISION

MECKLENBURG COUNTY
ENGINEERING & BUILDING STANDARDS DEPARTMENT

Miscellaneous Fees

Requestor (Please print): Rick Weisner	Phone #:	Date Requested: 4/13/00	Date Filled: 4/13/00
Account Name: Weisner Builders	☐ Cash ☑ Charge	Account No.: B 93995	

I certify that I am authorized to charge this account for this service.

Signature: [signature] Printed Name: Rick Weisner Date:

Fee or Charge

T.C.	Qty.	Type	Unit Cost	Total Cost
021		Single Lot Grading Permit (Please list address below)		
112		Zoning Board of Adjustment ☐ Residential Variance Request ☐ Commercial Variance Request ☐ Residential Interpretation ☐ Commercial Interpretation		
113		Zoning Citation(s) # _____		
		☐ 117: Certificate of Compliance* ☐ 118: Certificate of Occupancy* (original is free)	$10.00 ea.	
119		Change of Contractor*	$10.00 ea.	
121		Letters of Certification/Verification	$10.00 ea.	
122		Monthly Statistical Reports	$10.00 ea.	
124		Research & Retrieval of Documents		
125		Temporary Utilities/Occupancy*	$30.00/insp.	
		Local License Card/Exam ☐ 128: Mechanical ☐ 129: Plumbing ☐ 132: Electrical		
		Development Activities Plan Review ☐ 002: Commercial Drainage ☐ 005: Erosion Control ☐ 016: Subdivision ☐ 006: Final Plat Review		
425		City of Charlotte Fire - Plan Review		
		Map Sales		
M702	1	Other: additional site inspection	100.00	100.00
		Other:		
Payment received by: [signature]		Date: 4/13/00	By: [signature]	Total: 100.00

* Please list all permit numbers/addresses that relate to your request. A request for temporary utilities (gas and electric) would require two permit numbers.

5721 Linville Vista Lane #179B		

B-216NS 8/95

WHITE – AUDIT CANARY – CUSTOMER PINK – DIVISION

MECKLENBURG COUNTY HEALTH DEPARTMENT
Environmental Health Fees

FM

Requestor (please print): George Gelsinger Phone #: 854-3256 Date Requested: 8-22-00 Date Filled:

Account Name: Gelsinger Builders Cash Charge Account No.: X 31891

I certify that I am authorized to charge this account for this service:

Signature: George R. Gelsinger Printed Name: George R Gelsinger Date: 8-22-00

T.C.	Qty	Description	Unit Cost	Total Cost
0701		Improvement Permit Application - Residential	$ 200.00	
0735		Improvement Permit Application - Commercial	$ 400.00	
0702		Optional Site Evaluations	$ 100.00	
0703		Installation and Final Approval	$ 150.00	
0704	1	Change in Plot Plan	$ 100.00	100.00
0705		MH Exc/Add/Repl without System Modification	$ 100.00	
0706		MH Exc/Add/Repl with System Modification	$ 300.00	
0707		Site Consultation Visit	$ 100.00	
0734		Authorization for Wastewater System Construction	$ 150.00	
0708		Realty Closing - Conventional	$ 85.00	
0709		Realty Closing - FHA with water	$ 135.00	
0710		Additional Trips	$ 65.00	
0711		Well Water Analysis-Bacteriological with regular parameters	$ 50.00	
0712		Well Water Analysis -Nitrates and Nitrites	$ 15.00	
0714		Well Water Analysis - Organic Analysis	$ 200.00	
0715		Admin. Fee - Field Activity Letter	$ 25.00	
0718		Residential Pool Permit	$ 50.00	
0719		Public Pool Permit - operating	$ 240.00	
0720		Seasonal Pool Permit - operating	$ 120.00	
0736		Pool Late Fee	$ 120.00	
0733		Permit to Construct a Public Pool	$ 200.00	
0721		Home Day Care Evaluation and Permit	$ 70.00	
0722		Home Day Care Evaluation and Annual Fee	$ 40.00	
0723		Eval and Report Non-Permit Facility	$ 50.00	
0724		Private Pool Testing	$ 15.00	
0731		Garbage Hauler Permit - (1-9 vehicles)	$ 30.00	
0736		Garbage Hauler Permit - (each over 9)	$ 20.00	
0725		Document Copies	$ 0.05	

Payment received by: Date: Total:

5721 Linda Vista Dr.
4/27 after FPilo

4/2000

White-AUDIT Canary-CUSTOMER Pink-DIVISION

MECKLENBURG COUNTY
ENGINEERING & BUILDING STANDARDS DEPARTMENT

Miscellaneous Fees

Requestor (Please print):	Phone #:	Date Requested:	Date Filled:
Account Name:	☐ Cash ☐ Charge	Account No.:	

I certify that I am authorized to charge this account for this service.

Signature: Printed Name: Date:

Fee or Charge

T.C.	Qty.	Type	Unit Cost	Total Cost
021		Single Lot Grading Permit (Please list address below)		
112		Zoning Board of Adjustment ☐ Residential Variance Request ☐ Commercial Variance Request ☐ Residential Interpretation ☐ Commercial Interpretation		
113		Zoning Citation(s) # _____		
		☐ 117: Certificate of Compliance* ☐ 118: Certificate of Occupancy* (original is free)	$10.00 ea.	
119		Change of Contractor*	$10.00 ea.	
121		Letters of Certification/Verification	$10.00 ea.	
122		Monthly Statistical Reports	$10.00 ea.	
124		Research & Retrieval of Documents		
125		Temporary Utilities/Occupancy*	$30.00/insp.	
		Local License Card/Exam ☐ 128: Mechanical ☐ 129: Plumbing ☐ 132: Electrical		
		Development Activities Plan Review ☐ 002: Commercial Drainage ☐ 005: Erosion Control ☐ 016: Subdivision ☐ 006: Final Plat Review		
425		City of Charlotte Fire - Plan Review		
		Map Sales		
702	1	Other: [illegible]	100	100
		Other:		
Payment received by:		Date: 7/24/0[illegible]	By:	Total: 100

* Please list all permit numbers/addresses that relate to your request. A request for temporary utilities (gas and electric) would require two permit numbers.

[illegible]		
[illegible]		

B-216NS 8/95

WHITE – AUDIT CANARY – CUSTOMER PINK – DIVISION

MCHD
File: 4279-B

3-Bedrm PPBPS, Pumped PANEL BLOCK
Septic Sys. Plan. & Panel Repair.

Denied Approval

SYSTEM TYPE:
CONVENTIONAL
CONVENTIONAL (SHALLOW PLACEMENT)
8-INCH PPBPS-GRAVITY DISTRIBUTION
8-INCH PPBPS-PRESSURE DISTRIBUTION
16-INCH PPBPS-GRAVITY DISTRIBUTION
* 16-INCH PPBPS-PRESSURE DISTRIBUTION
LPPS
OTHER

SPECIALIZED EQUIPMENT OR REQUIREMENTS:
DROP BOX
DISTRIBUTION BOX
DIPPER BOX
FLOW DIVIDER
WASH BOX
SPECIAL FITTINGS
PRESSURE MANIFOLD
SIPHON
MULTIPLE PUMPS
OTHER
WELL ABANDONEMENT
EASEMENT
LOT COMBINATION/SURVEY
EARTHEN SURFACE SWELL
FRENCH/CURTAIN DRAINS
GREASE INTERCEPTOR
PUMP TANK — 1,000 gal.
SAPROLITE TEST
① Valve Box
④ Gate valves to serve LINES
④ Stand pipes & caps

LINE	#PANELS PER LINE	#HOLES PER PANEL	HOLE SIZE	HOLE SPACING	LINE HEAD	LINE LENGTH	HOLE FLOW	PER MINUTE LINE FLOW
			Primary Sys.					
L1	11	1	5/32	4.3	3	50'	1.50	5.5
L2	11	1	5/32	4.3	3	50'	1.50	5.5
L3	11	1	5/32	4.3	3	50'	1.50	5.5
L4	11	1	5/32	4.3	3	50'	1.50	5.5
Total	44					200'		

Repair AREA
200'+

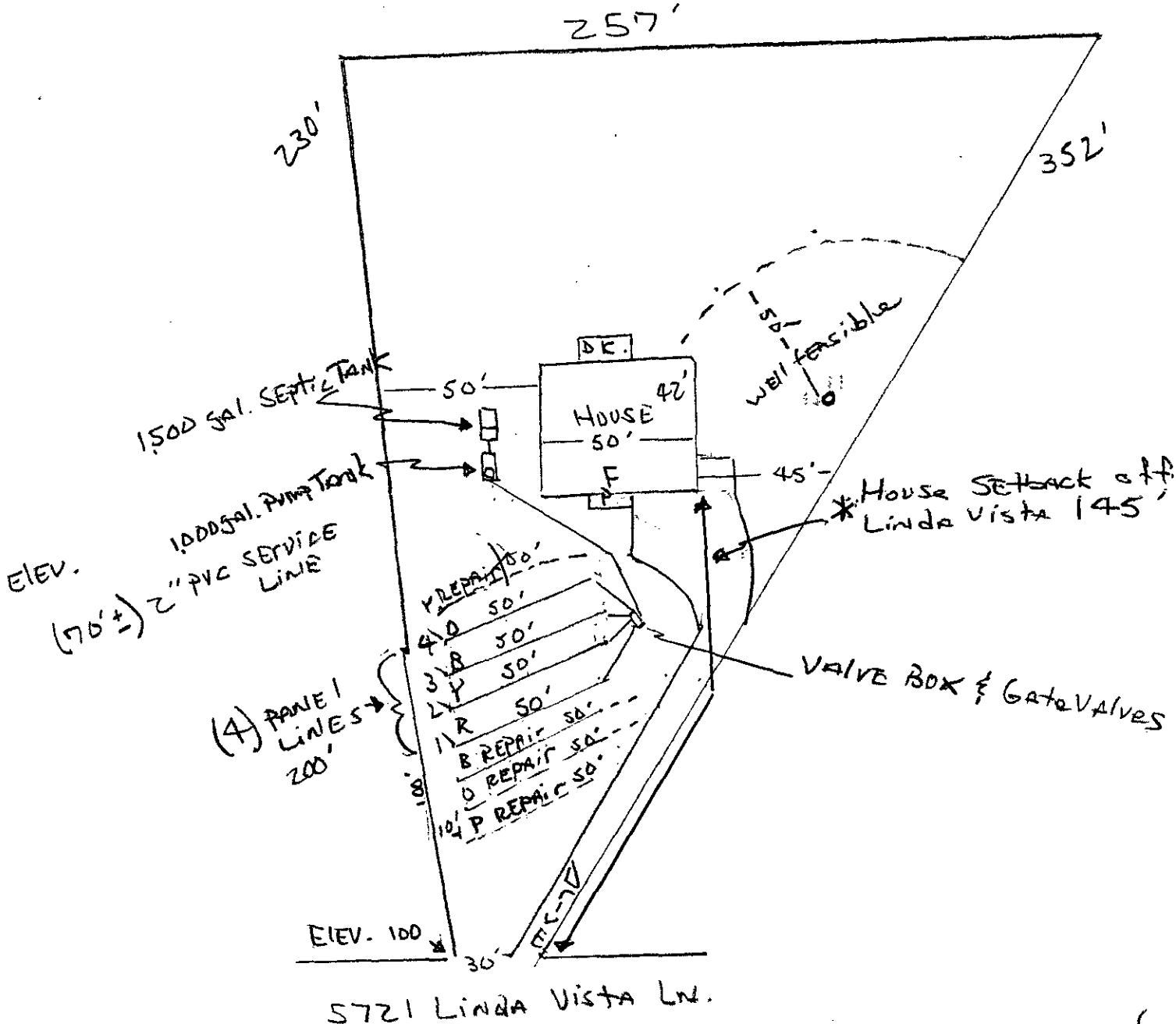
T. Whitaker
866-9540

MLHD
File: 4279-B
Lot 16

* (3) Bedrm. Pumped (PPBPS) PANEL Block SEPTIC System & PANEL REPAIR.

(4) 50' PANEL LINES = 200'

(11) PANELS PER LINE = 44 PANELS



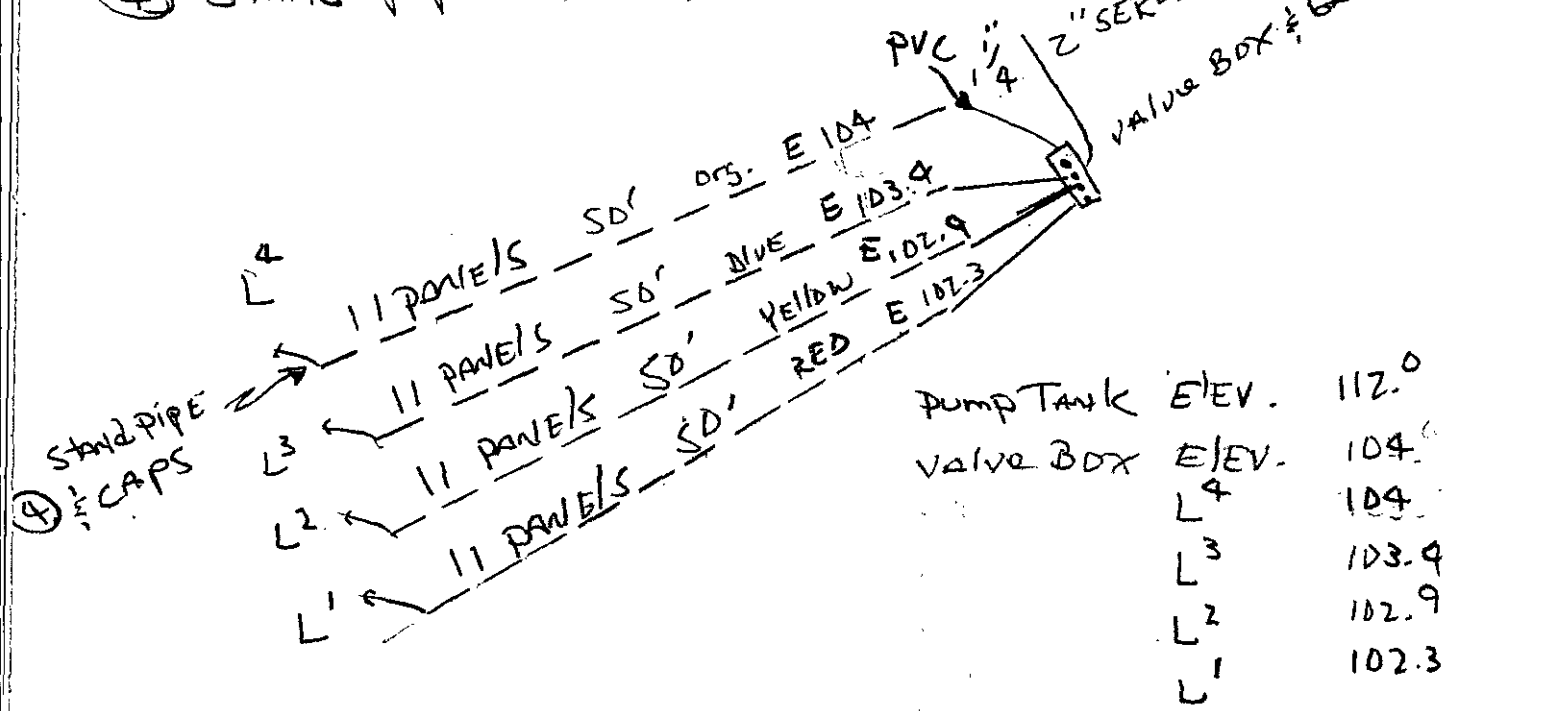
T. L. Whittaker
886-9542
SCALE
50

MCHD
File: 4279-B

3-Bedrm. Panel Block Septic Sys.

SPECS: Primary Sys.

1,500 gal. Septic Tank > riser/filter rules apply.
1,000 gal. Pump Tank > 1/4 HP pump
(1) Valve Box & (4) Gate valves in Box
(4) 50' panel lines = 200' (11) panels per line = (44)
(4) Stand pipes & caps



Pump Tank E/EV.	112.0
Valve Box E/EV.	104
L^4	104
L^3	103.4
L^2	102.9
L^1	102.3

* TDH = 13.5 @ 39.6 gpm
1/4 HP pump
7.2' drawdown pump tank
4 minute pump cycle

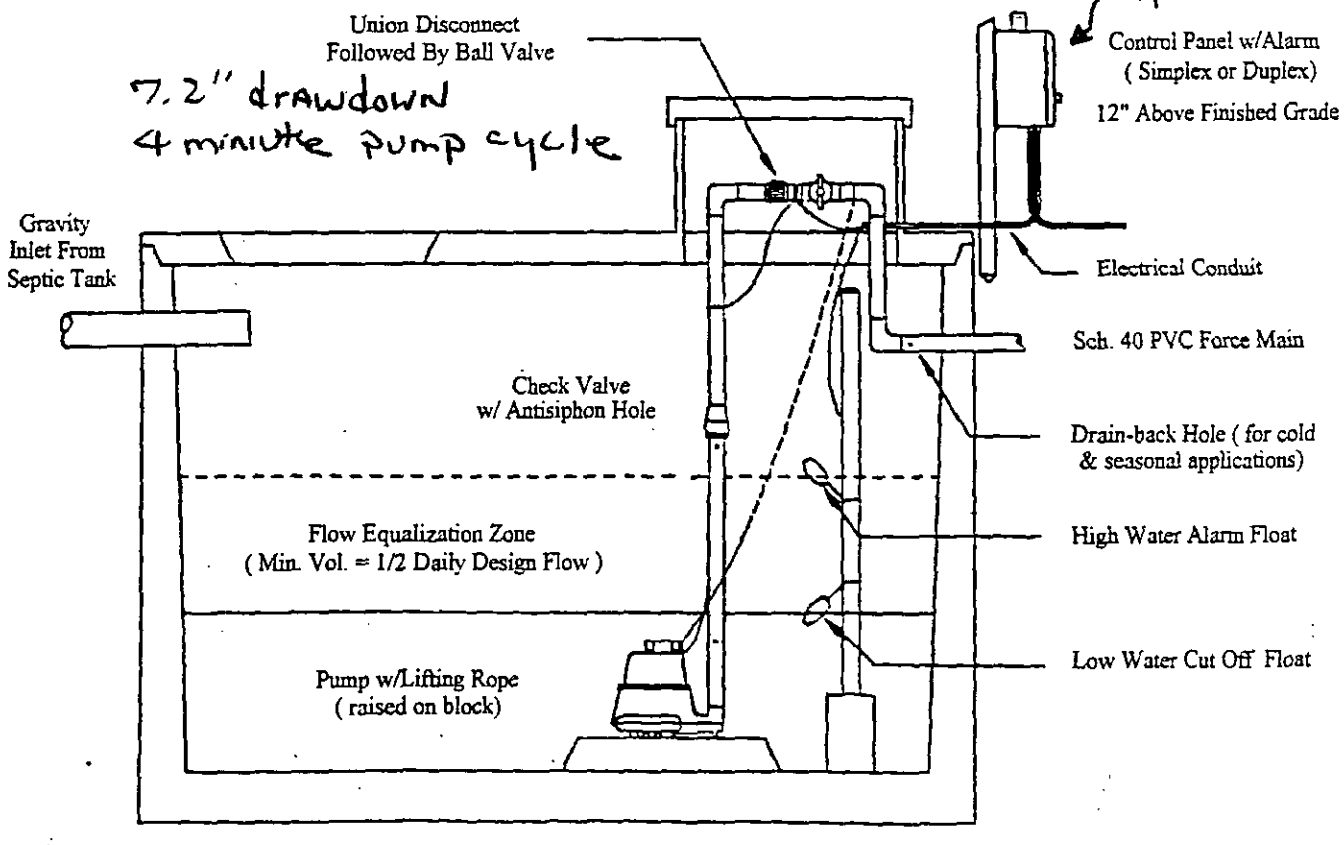
NO SCALE

* Install per manufactures SPES.

*Additional soil & site evaluation may be requested to determine if conditions on-site could be used as LPP Repair; then Chamber system for Primary.

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.
10. Riser / Filter Rules Apply Contractors choice. NEMA 4



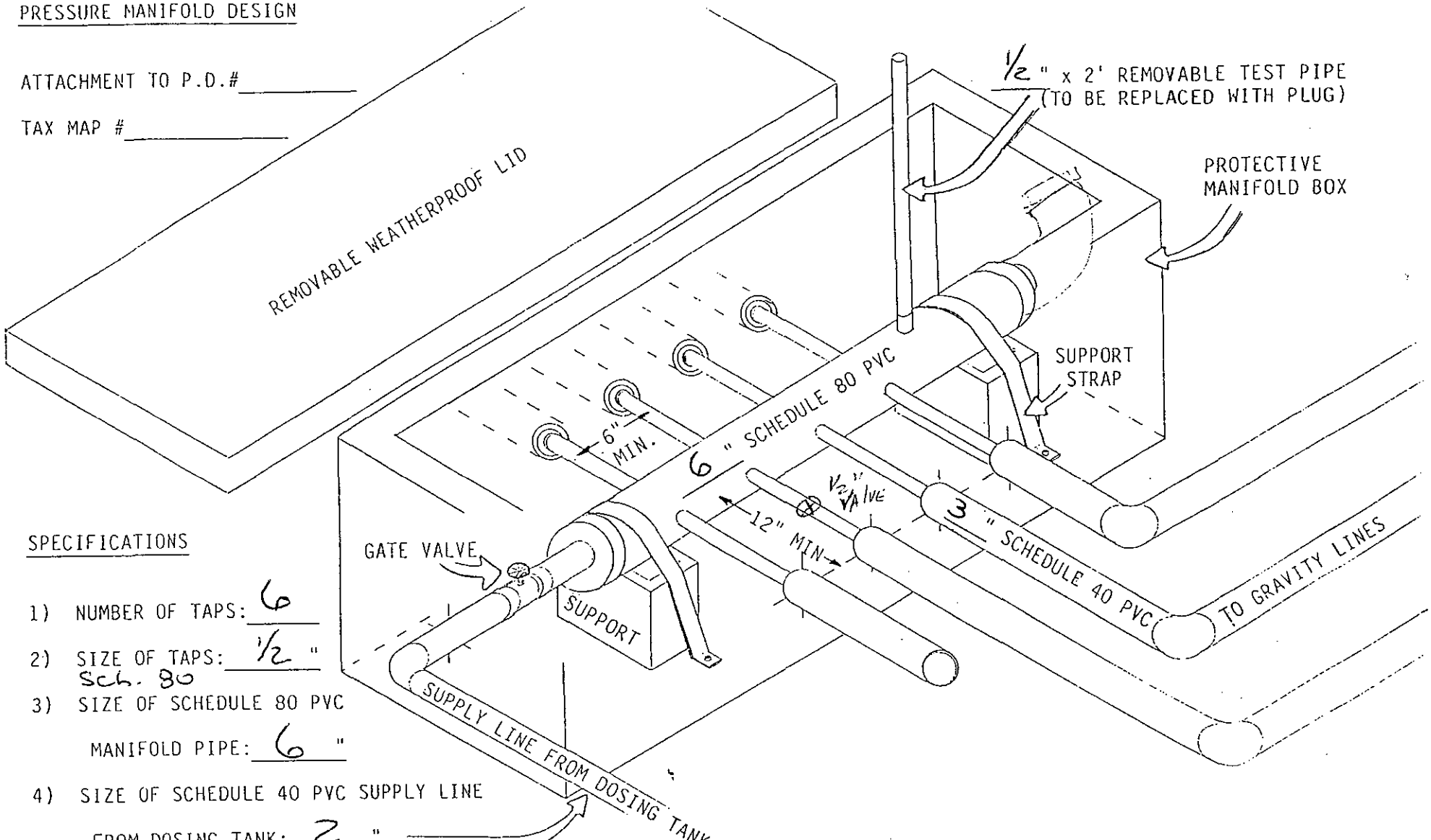
(Example only) (SEE DEHNR SHEETS 1-2)

File: 4279-B

PRESSURE MANIFOLD DESIGN

ATTACHMENT TO P.D.#_____

TAX MAP #_____



SPECIFICATIONS

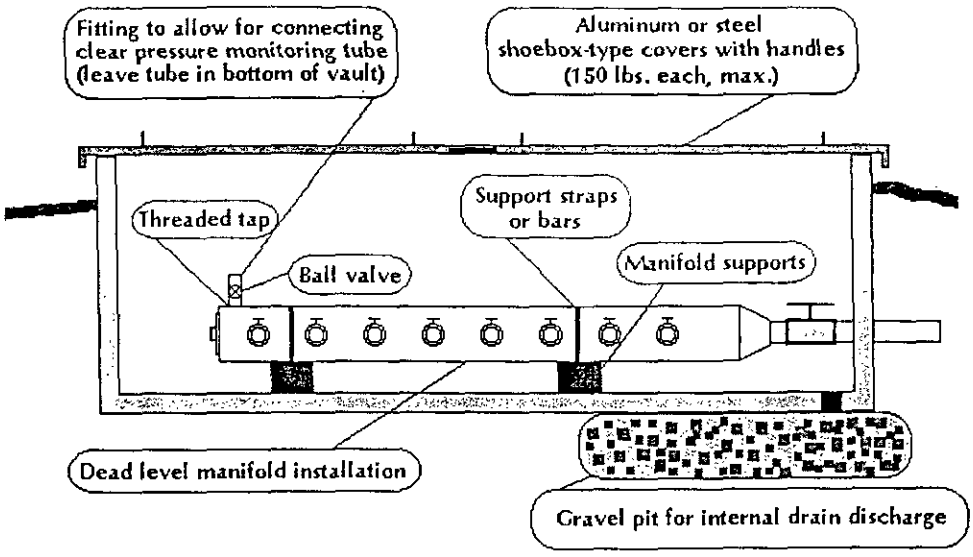
1) NUMBER OF TAPS: 6

2) SIZE OF TAPS: 1/2 " Sch. 80

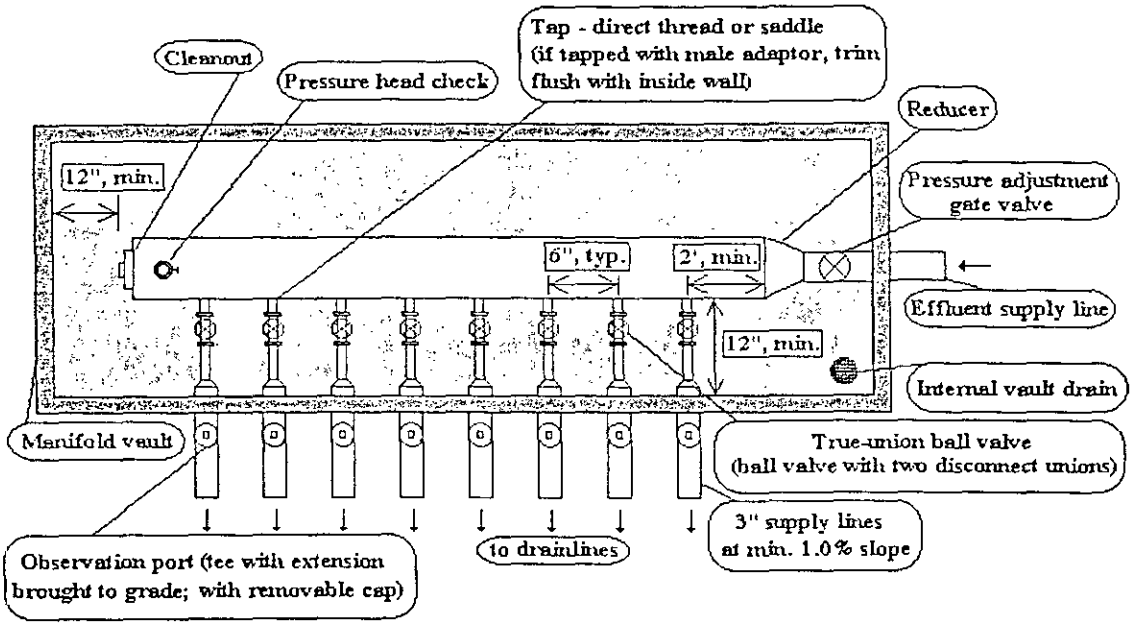
3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 6 "

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

I.C.H.D.



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



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

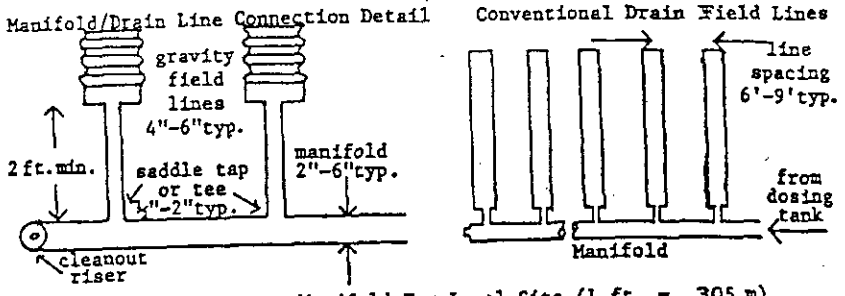


Fig. 1 Pressure Manifold For Level Site (1 ft. = .305 m)

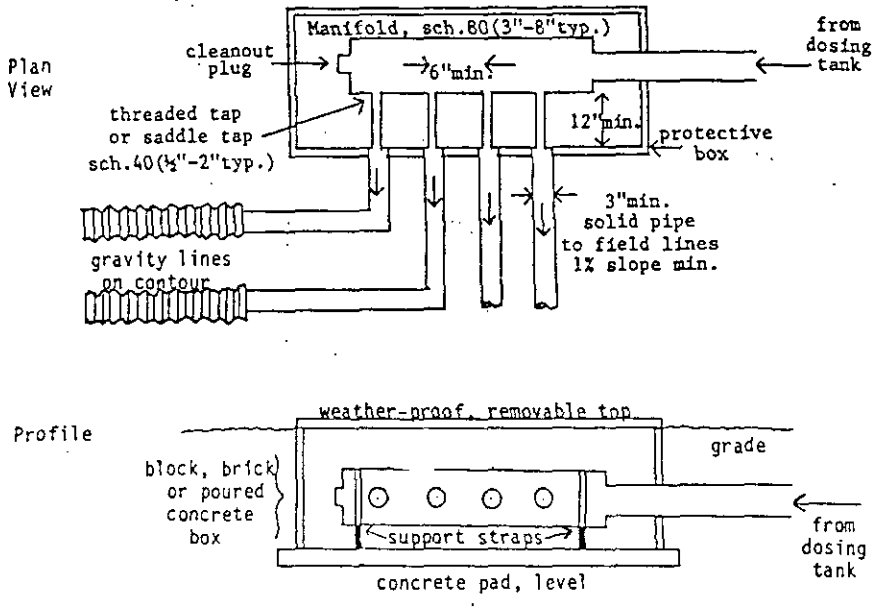


Fig. 2 Pressure Manifold For Sloping Sites

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.
10. Riser / filter Rule applies

