



# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

DILP 2018 JAN 5 PNT:44

Date Received: \_\_\_\_\_

Permit No.: B18000020

Building Address: 2018 TERRAPIN CREEK RD  
 City: Silver Spring State: MD Zip Code: 20904  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/BA #: F-0786  
 Census Tract: \_\_\_\_\_ Subdivision: Terrapin Creek  
 Section: NA Area: \_\_\_\_\_ Lot: 19  
 Tax Map: 0015 Parcel: 10285 Grid: 0005  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: 1400A  
47,745 sq ft

Existing Use: VICINITY  
 Proposed Use: STD  
 Estimated Construction Cost: \$ 350,000.  
 Description of Work: DEMOLITION OF 4 BR HOME, 3 1/2 BATH, 2 CAR GARAGE, 1/2 AC LOT, PARTIAL FIN. BASEMENT  
 Occupant/Tenant Name: NA  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: LIXI TR.  
 Address: 2001 GARDEN AVE  
 City: Silver Spring State: MD Zip Code: 20910  
 Phone: 301-575-7000 Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Applicant's Name & Mailing Address, (if other than stated herein)  
 Applicant's Name: HOWARD COUNTY LLC  
 Address: 1175 STATE ST  
 City: ANNAPOLIS State: MD Zip Code: 21404  
 Phone: 410-412-2211 Fax: 410-412-2215  
 Email: HOWARD@HOWARDCOUNTYMD.GOV

Contractor Company: HOWARD COUNTY LLC  
 Contact Person: HAN F. HAN  
 Address: 1175 STATE ST  
 City: ANNAPOLIS State: MD Zip Code: 21404  
 License No.: 151045-7 MILEAGE: 117  
 Phone: 410-412-2211 Fax: 410-412-2215  
 Email: HAN.F.HAN@HOWARDCOUNTYMD.GOV

Engineer/Architect Company: HOWARD COUNTY LLC  
 Responsible Design Prof.: HAN F. HAN  
 Address: 1175 STATE ST  
 City: ANNAPOLIS State: MD Zip Code: 21404  
 Phone: 410-412-2211 Fax: 410-412-2215  
 Email: HAN.F.HAN@HOWARDCOUNTYMD.GOV

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 <sup>st</sup> floor: <u>50</u>	<u>58</u>
Area of construction (sq. ft.):	2 <sup>nd</sup> floor: <u>50</u>	<u>58</u>
Use group:	Basement:	
	<input checked="" type="checkbox"/> Finished Basement	
	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
<b>Construction type:</b>	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms: <u>4</u>	
<input type="checkbox"/> Structural Steel	<b>Multi-family Dwelling</b>	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: <u>618000003</u>	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Title/Company: \_\_\_\_\_

Print Name: HAN F. HAN  
 Date: 1/3/18

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>1/25/18</u>	<u>H. Oswald</u>

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$ <u>100</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>21441</u>

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition: The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose: To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies: Where vegetative stabilization is to be established.

Criteria: A. Soil Preparation

1. Temporary Stabilization

a. Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

b. Soil contains less than 500 parts per million (ppm).

c. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

d. Soil contains less than 500 parts per million (ppm).

e. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

f. Soil contains less than 500 parts per million (ppm).

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h. Soil contains less than 500 parts per million (ppm).

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j. Soil contains less than 500 parts per million (ppm).

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l. Soil contains less than 500 parts per million (ppm).

m. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

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o. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

p. Soil contains less than 500 parts per million (ppm).

q. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

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bn. Soil contains less than 500 parts per million (ppm).

bo. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

bp. Soil contains less than 500 parts per million (ppm).

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br. Soil contains less than 500 parts per million (ppm).

bs. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

bt. Soil contains less than 500 parts per million (ppm).

bu. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

bv. Soil contains less than 500 parts per million (ppm).

bw. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

bx. Soil contains less than 500 parts per million (ppm).

by. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

bz. Soil contains less than 500 parts per million (ppm).

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cm. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

cn. Soil contains less than 500 parts per million (ppm).

co. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

cp. Soil contains less than 500 parts per million (ppm).

cq. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

cr. Soil contains less than 500 parts per million (ppm).

cs. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

ct. Soil contains less than 500 parts per million (ppm).

cu. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

cv. Soil contains less than 500 parts per million (ppm).

cw. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

cx. Soil contains less than 500 parts per million (ppm).

cy. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture.

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ch. Soil contains less than 500 parts per million (ppm).

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: Where vegetative stabilization is to be established.

Criteria: A. Seeding

1. Seeding must meet the requirements of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed must have been tested within the 6 months immediately preceding the date of sowing such seed on any project. Refer to Table B-4.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to verify type and seedling rate.

2. Mulch shall be applied between the fall and spring seedings only if the ground is frozen. The appropriate seeding method must be applied when the ground thaws.

3. Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inoculants must not be used later than the date indicated on the container. Add fresh inoculants as directed on the package. Use four times the recommended rate when hydroseeding. Nitrogen is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less effective.

4. Soil and seed must not be placed on soil which has elapsed (14 days min.) to permit dissipation of phytotoxins.

5. Dry Seeding: This includes use of conventional drop or broadcast spreaders.

6. Incorporate seed into the substrate at rates prescribed in the Maryland Seeding Table B.1, Permanent Seeding Table B.3, or site-specific seeding summaries.

7. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good seed to soil contact. B.16

8. Drill or Cutlifter Seeding: Mechanized seeders that apply and cover seed with soil.

9. Cutlifter seeders are required to bury the seed at a depth of at least 1/4 inch of soil covering. Seedbed must be firm after planting.

10. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer).

11. If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P2 O5 (phosphorus), 200 pounds per acre; K2 O (potassium), 200 pounds per acre.

12. Lime: Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons of lime or hydroseeding of any one time. Do not use burnt or hydrated lime when hydroseeding.

13. Mix seed and fertilizer on site and seed immediately and without interruption.

14. When hydroseeding do not incorporate seed into the soil.

15. Mulching

1. Mulch materials (in order of preference)

a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of house waste as specified in the Maryland Seed Law and not moldy, mucky, caked, decayed, or excessively dusty. Use only sterile straw such as in straw which is one species of grass is preferred.

b. Wood Cellulose Fiber (WCF) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.

c. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.

d. WCFM, including dye, must contain no germination or growth inhibiting factors.

e. WCFM materials are to be manufactured and processed in such a manner that the wood cellulose fiber will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch must form a blanket-like ground cover on application, having moisture retention and permeation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the seed.

f. WCFM material must not contain elements or compounds at concentration levels that will be phytotoxic.

g. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, cation content of 1.6 percent minimum, and water holding capacity of 90 percent minimum. B.17

2. Application

a. Apply mulch to all seeded areas immediately after seeding.

b. When straw mulch is used spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed to wind or water erosion.

c. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per acre. Mix the wood cellulose fiber with water to obtain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.

3. Inoculating

a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard.

i. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas but is limited to flatter slopes where equipment can operate safely. It is used on sloping land, this practice should follow the contour.

ii. Wood cellulose fiber may be used for anchoring straw. Apply the fiber under a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water to a maximum of 50 pounds per 100 gallons of water.

iii. Synthetic binders such as Acrylic DLR (Ago-Tack), DCA-10, Petroseal, Terra Tex, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier than dry binders. Wind catches mulch, such as in valleys and on crests of banks. Use of asphalt binders is strictly prohibited.

iv. Light weight plastic netting may be used for anchoring straw according to manufacturer's recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

5. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

6. Additional plantings of seed and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

7. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by suitable equipment. Fertilizers must be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.

8. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 88 to 100 percent will pass through a #200 mesh sieve.

9. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by diking or other suitable means.

10. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

11. Additional plantings of seed and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

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14. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by diking or other suitable means.

15. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

16. Additional plantings of seed and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

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20. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

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25. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

26. Additional plantings of seed and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

27. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by suitable equipment. Fertilizers must be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.

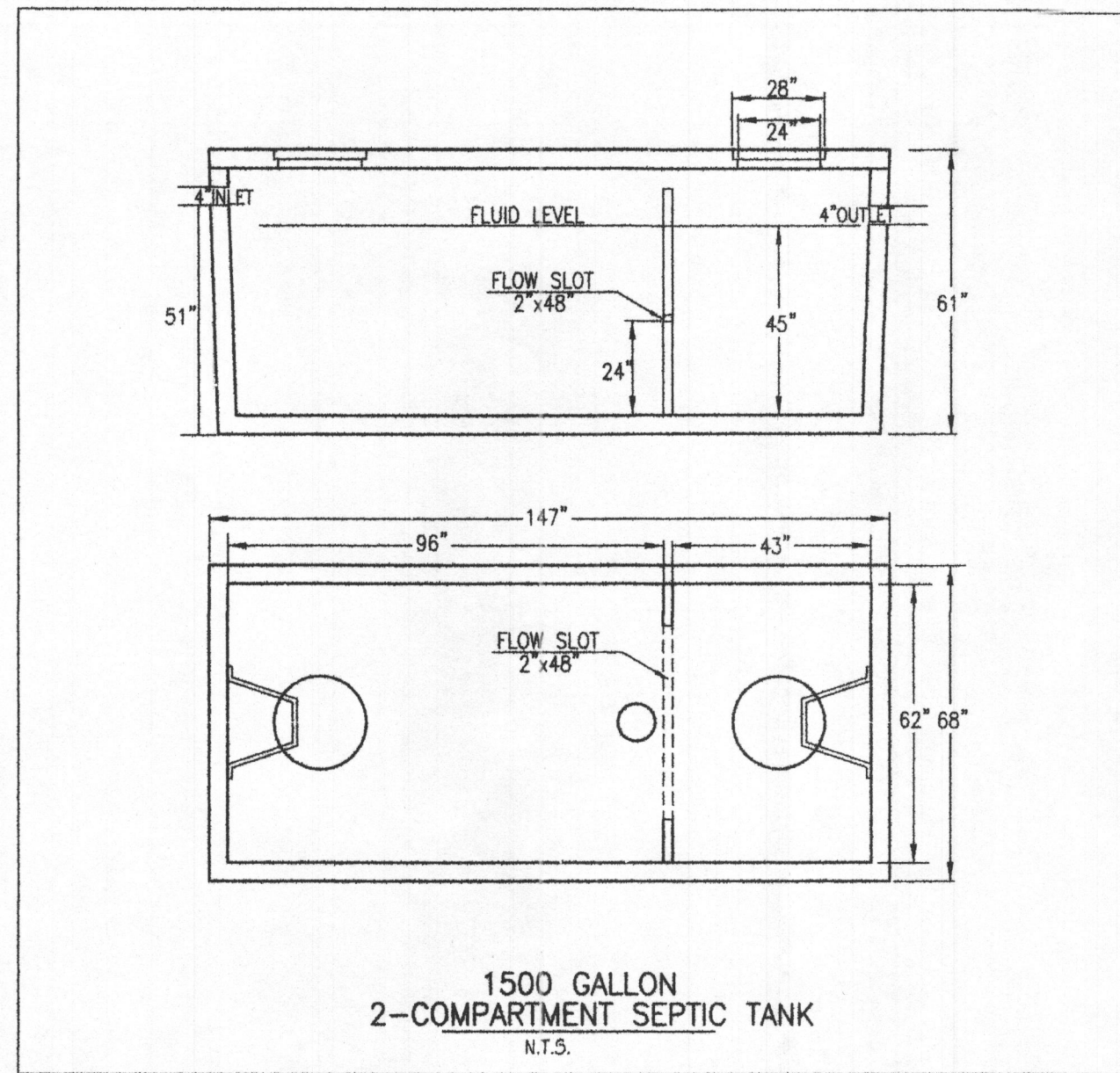
28. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 88 to 100 percent will pass through a #200 mesh sieve.

29. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by diking or other suitable means.

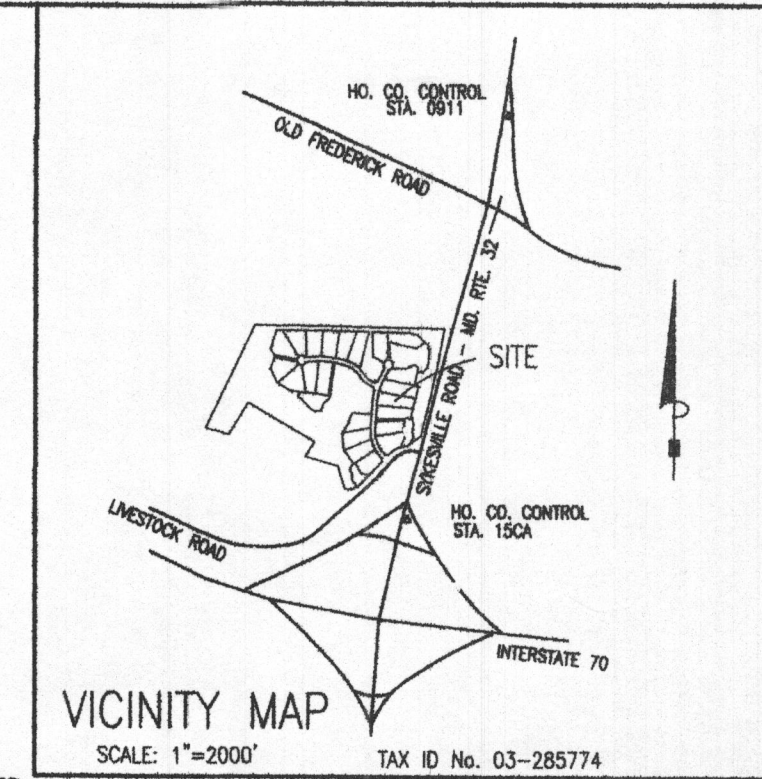
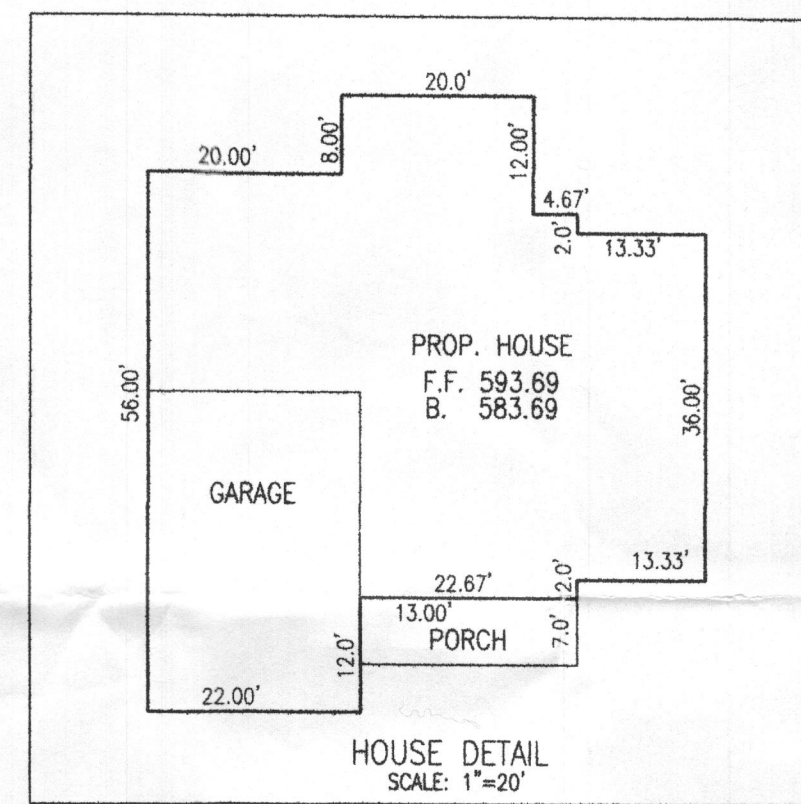
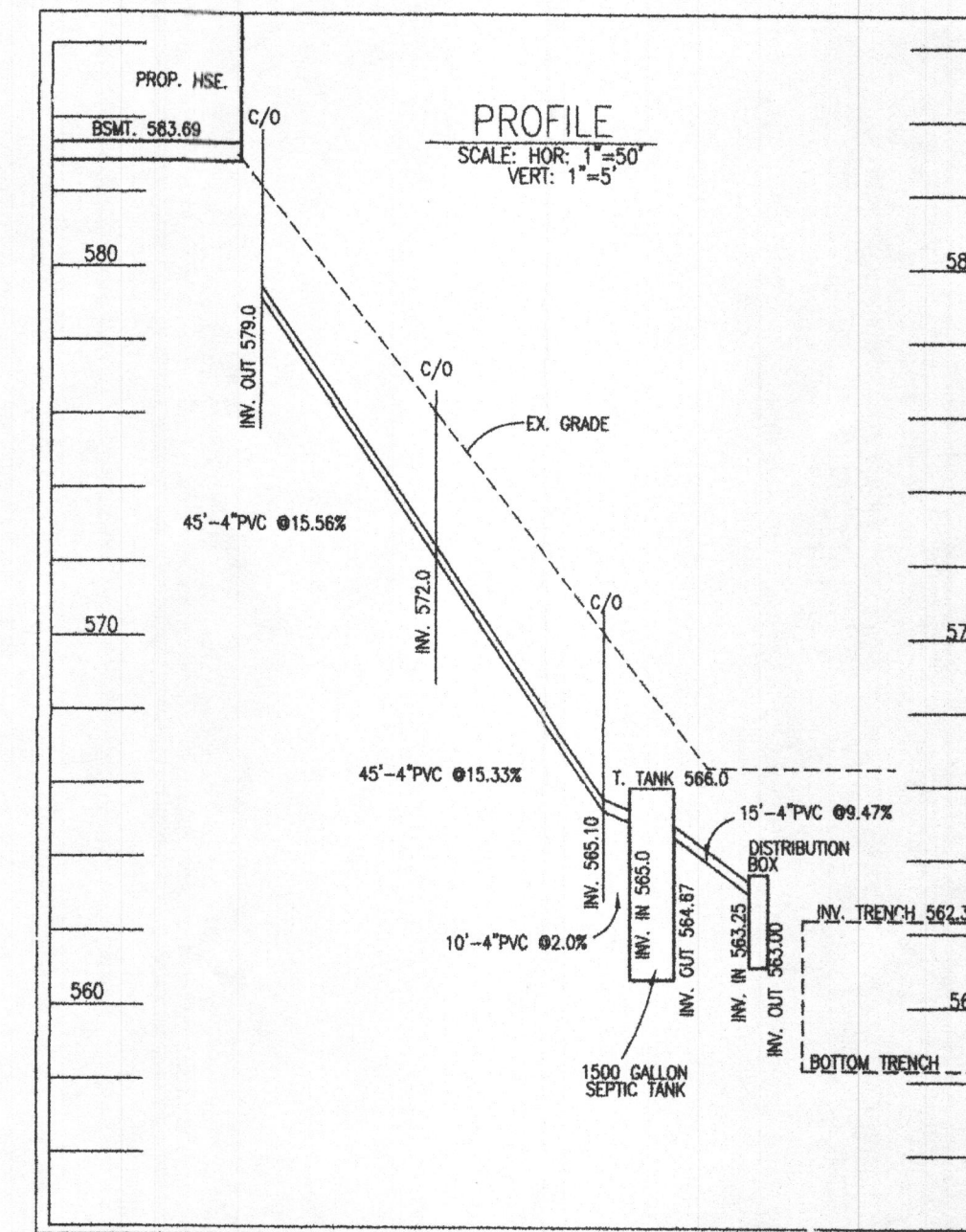
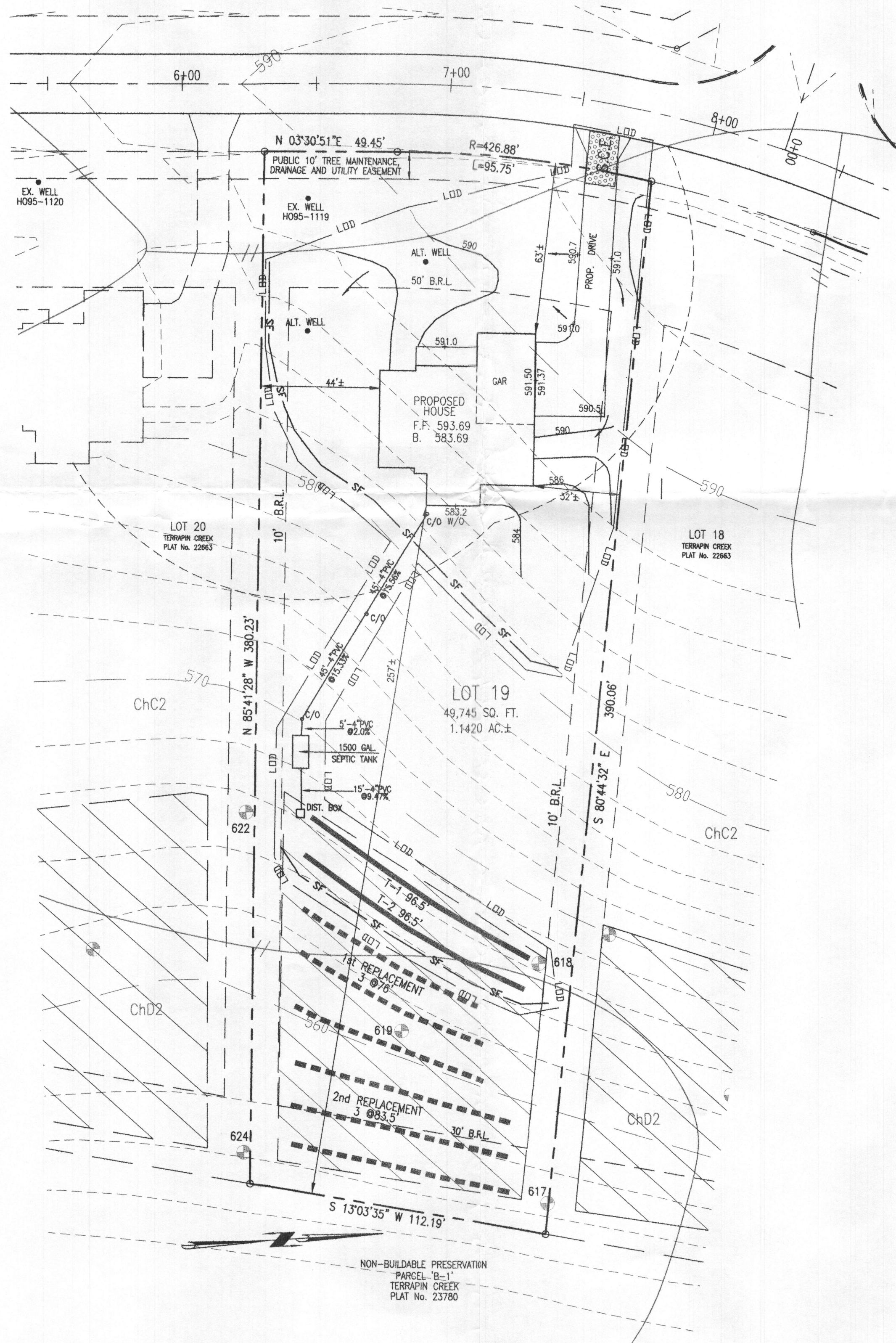
30. Where the substrate is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

31. Additional plantings of seed and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

32. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by suitable equipment. Fertilizers must be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty



TERRAPIN CREEK ROAD  
50' R/W



GENERAL NOTES:

- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- ZONING DISTRICT: RC-DEO
- LIMIT OF DISTURBANCE (LOD) = 19,500 SQ.FT.
- THERE ARE NO STREAMS, PONDS, FLOODPLANS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE DEVELOPER UNDER PLAN F-07-086.

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 4  
APPLICATION RATE = 0.8 GPD / sq.ft.  
DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
250 LF TRENCH X 0.77 REDUCTION CREDIT = 193 LF TRENCH  
TRENCH 1 (T1) EX. GRD=566.3 -INV. TRENCH=562.3 -B. TRENCH=559.3  
TRENCH 2 (T1) EX. GRD=564.0 -INV. TRENCH=560.0 -B. TRENCH=557.0

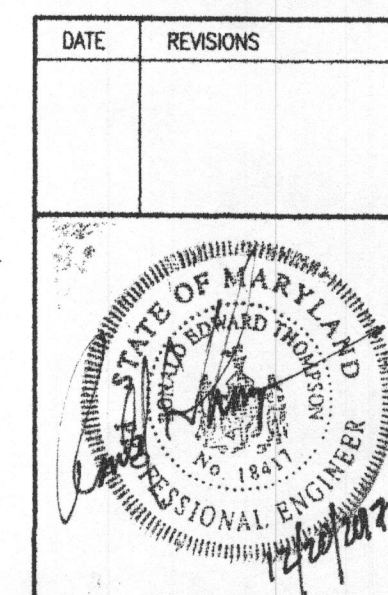
1st REPLACEMENT  
INITIAL NUMBER OF BEDROOMS = 4  
APPLICATION RATE = 0.8 GPD / sq.ft.  
DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
250 LF TRENCH X 0.91 REDUCTION CREDIT = 228 LF TRENCH  
TRENCH 1 EX. GRD=563.0 -INV. TRENCH=559.0 -B. TRENCH=557.0  
TRENCH 2 EX. GRD=561.7 -INV. TRENCH=557.7 -B. TRENCH=555.7  
TRENCH 3 EX. GRD=560.2 -INV. TRENCH=556.2 -B. TRENCH=554.4

2nd REPLACEMENT  
INITIAL NUMBER OF BEDROOMS = 4  
APPLICATION RATE = 0.8 GPD / sq.ft.  
DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
TRENCH 1 EX. GRD=559.0 -INV. TRENCH=555.0 -B. TRENCH=553.0  
TRENCH 2 EX. GRD=558.0 -INV. TRENCH=554.0 -B. TRENCH=552.0  
TRENCH 3 EX. GRD=557.0 -INV. TRENCH=553.0 -B. TRENCH=551.0

SITE PLAN NOTES:

- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE WELL (TAG #10-95-1119) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

PROFESSIONAL CERTIFICATION  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18412, Expiration Date: 8-18-18.



OWNER:  
LDC INC.  
LEE PLAZA, SUITE 200  
8601 GEORGIA AVENUE  
SILVER SPRING, MD 20910  
301-585-7000

DEVELOPER:  
CATONVILLE HOMES  
11175 STRATFIELD CT.  
MARRIOTTVILLE, MD 21104  
410-442-2211

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

LOT 19  
TERRAPIN CREEK

PLAT 22661 - 22664  
TAX ID No. 03-285774  
2018 TERRAPIN CREEK ROAD  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DECEMBER 2017

VANMAR ASSOCIATES, INC.  
Engineers Surveyors Planners  
310 South Main Street Mount Airy, Maryland 21771  
(301) 828-2890 (301) 831-5015 (410) 548-2795  
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