

**HOWARD COUNTY  
 PERMIT APPLICATION**

PERMIT NUMBER

307004389

Building Address 18234 Penn Shop Rd  
MT Airy MD 21271  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_  
 Census Tract \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Section \_\_\_\_\_ Area \_\_\_\_\_ Lot \_\_\_\_\_  
 Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Grid \_\_\_\_\_  
 Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot size \_\_\_\_\_

Property Owner's Name Joyce Lilly  
 Address 18234 Penn Shop Rd MT Airy  
 City MT Airy State MD Zip Code 21271  
 Home Phone 443-538-0589 Work Phone 901-776-5005  
 Applicant's Name & Mailing Address, (if other than stated hereon): \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Existing Use Single Family Home  
 Proposed Use same  
 Estimated Construction Cost \$ 5,000.00  
 Description of Work 1 car attached garage 13x28'  
4 covered front porch 7x20'

Contractor Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 License No. \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Occupant or Tenant \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

Height: \_\_\_\_\_  
 No. of stories: \_\_\_\_\_  
 Gross area, sq. ft. per floor: \_\_\_\_\_  
 Use group: \_\_\_\_\_  
 Construction type:  
 Reinforced Concrete  
 Structural Steel  
 Masonry  
 Wood Frame  
 State Certified Modular

Water Supply:  
 Public  
 Private  
 Sewage Disposal:  
 Public  
 Private  
 Electric Yes  No   
 Gas Yes  No   
 Heating System:  
 Electric  Oil   
 Natural Gas   
 Propane Gas   
 Sprinkler system: N/A   
 Full  
 Partial  
 Other Suppression  
 # of Heads

**Building Characteristics**  
 SF Dwelling  SF Townhouse   
 Depth \_\_\_\_\_ Width \_\_\_\_\_  
 1st floor: \_\_\_\_\_  
 2nd floor: \_\_\_\_\_  
 Basement: \_\_\_\_\_  
 Finished Basement  Unfinished Basement   
 Crawl space  Slab on Grade   
 No. of Bedrooms: \_\_\_\_\_  
 Height: \_\_\_\_\_  
 Multi-family dwellings:  
 No. of efficiency units: \_\_\_\_\_  
 No. of 1 BR units: \_\_\_\_\_  
 No. of 2 BR units: \_\_\_\_\_  
 No. of 3 BR units: \_\_\_\_\_  
 Other Structure: \_\_\_\_\_  
 Dimensions: \_\_\_\_\_  
 Footings: \_\_\_\_\_  
 Roof Height: \_\_\_\_\_  
 State Certified Modular  
 Manufactured Home

**Utilities**  
 Water Supply:  
 Public  
 Private  
 Sewage Disposal:  
 Public  
 Private  
 Electric Yes  No   
 Gas Yes  No   
 Heating System:  
 Electric  Oil   
 Natural Gas   
 Propane Gas   
 Sprinkler system: N/A   
 NFPA #13D  
 NFPA #13R  
 Other:

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.

Joyce Lilly  
 Applicant's Signature  
 Title/Company \_\_\_\_\_

Joyce Lilly  
 Print Name  
10-24-07  
 Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
**\*\* PLEASE WRITE NEATLY AND LEGIBLY. \*\***  
**- FOR OFFICE USE ONLY -**

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY FEE
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ _____
Building Official			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St: _____	Add'l per. fee \$ _____
Health	<u>10/24/07</u>	<u>[Signature]</u>	All minimum setbacks met?	TOTAL FEES \$ _____
Fire Protection			YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance?			Is Entrance Permit required?	Balance due \$ _____
YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>	Check \$ _____
			Historic District?	Validation \$ _____
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for NewTown Zone _____	
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Accepted by _____
Distribution of Copies: _____	White: Building Official	Green: LDD, DPZ	Yellow: DED, DPZ	Pink: Health
Gold: SHA				

000 24.710 of remaining material will be used for higher use 340 gal/acre (9 gal/1,000 Sq. Ft.) for seeding areas and make needed repairs, replacements and fill.

Soil to be used as topsoil must meet the following: sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. If recommended by an agronomist or soil scientist and approved by the authority. Regardless, topsoil shall not be a mixture of contrasting textures. Topsoil shall contain less than 5% by volume of clinders, stones, clods, coarse roots, trash, or other materials larger than 1-1/2" in diameter.

Stems or plant parts such as Bermuda Grass, Quackgrass, Poison Ivy, Thistle, or others as specified.

Highly acidic or composed of heavy clays, ground limestone shall be 4-6 tons/acre (200-400 pounds/1,000 Sq. Ft.) prior to the placement and worked uniformly over designated areas and worked into the soil operations as described in the following procedures.

Areas under 5 acres:

- and apply soil amendments as specified in 2.0.0 vegetative stabilization Methods and Materials.

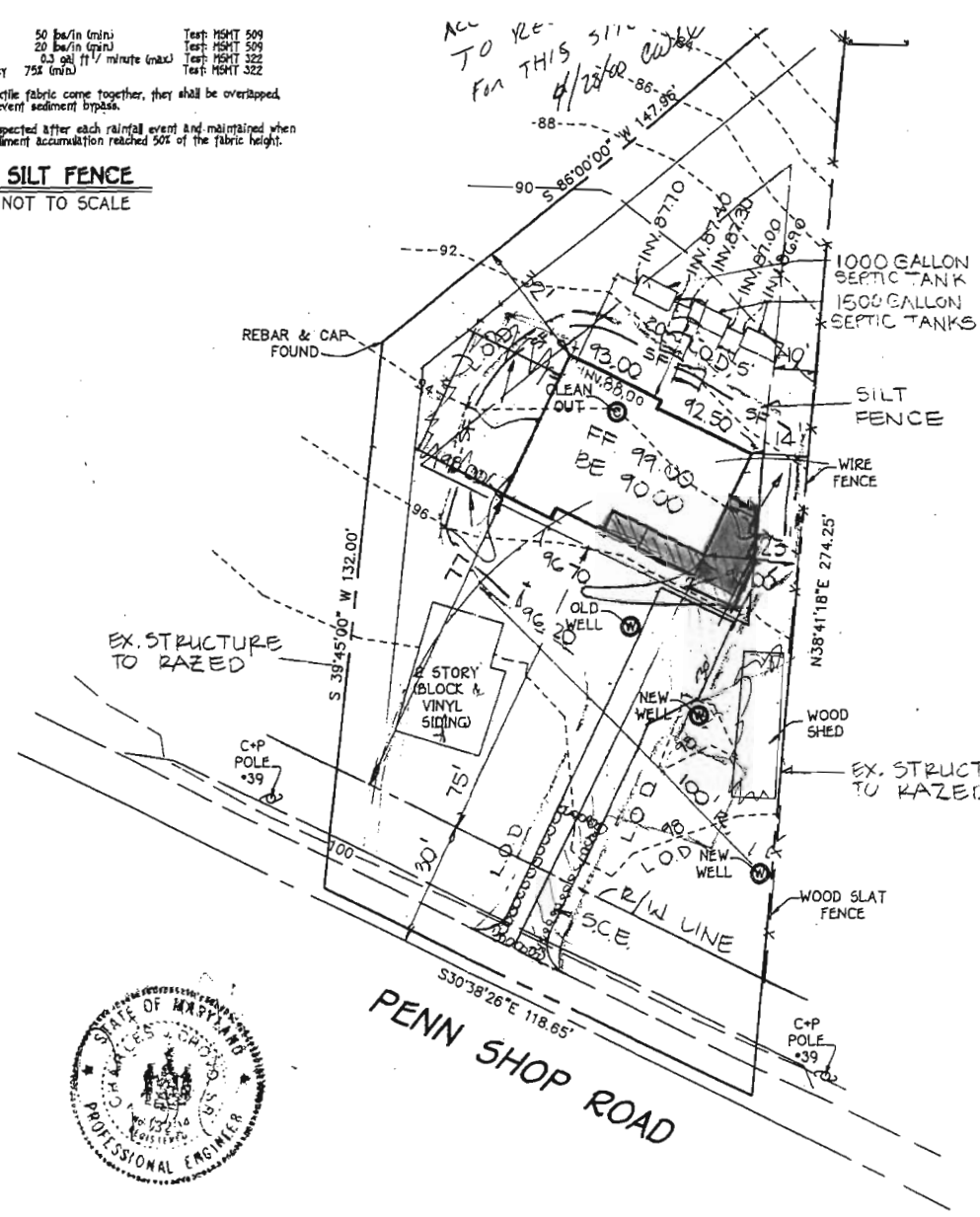
FOR GEOTEXTILE LINES:

Tensile Strength	50 lb/in (min)	Test: MSMT 509
Tensile Modulus	20 lb/in (min)	Test: MSMT 509
Flow Rate	0.3 gal ft <sup>2</sup> /minute (max)	Test: MSMT 322
Filtering Efficiency	75% (min)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

**SILT FENCE**  
NOT TO SCALE



PROTECTED FROM CONSTRUCTION ACTIVITY.

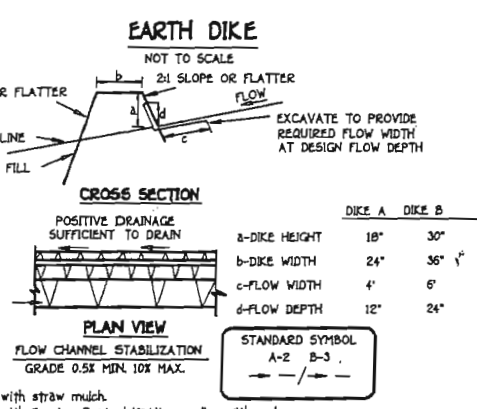
1. CONTRACTOR MUST VERIFY EXISTING LOCATION OF SEPTIC SYSTEM BEFORE.
2. ALL WELLS NOT USE FOR POTABLE WATER SUPPLY SHALL BE ABANDONED AT THE DIRECTION OF THE HOWARD COUNTY HEALTH DEPT

APPROVED  
WALK-THRU BUILDING PERMIT  
BP# 307004389 A# P# 513584-A  
APP SAN SE DATE: 10/24/07  
DESC OF WORK: Garage 13x28' and front porch 7x26'

GP-00-122  
PLAN TO ACCOMPANY  
APPLICATION FOR BUILDING PERMIT  
18234 PENN SHOP ROAD  
LIBER 4393 FOLIO 442  
TAX MAP NO. 6 PARCEL NO. 21  
4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Scale: 1" = 30'  
JANUARY 24, 2000  
SHEET 1 OF 1



Construction Specifications

Earth dikes shall have uninterrupted positive grade to not elevations may be necessary for grades less than 1% from a disturbed area shall be conveyed to a spilling device. From an undisturbed area shall outlet directly into stabilized area at a non-erosive velocity.

Stumps, obstructions, and other objectionable shall be removed and disposed of so as not to interfere proper functioning of the dike.

Diets shall be excavated or shaped to line, grade and cross required to meet the criteria specified herein and be projections or other irregularities which will impede

Diets shall be compacted by earth moving equipment.

Diets shall be moved and not needed for construction shall be placed shall not interfere with the functioning of the dike.

Diets shall be maintained and maintenance must be provided periodically and after



B00122902

Building Address 18234 PENNSHUR ROAD  
Mt. Airy Maryland 21771  
Suite/Apt. #: N/A SDP/WP/Petition #: N/A  
Census Tract 6040 Subdivision N/A  
Section N/A Area N/A Lot N/A  
Tax Map C Parcel 21 Grid 4  
Zoning RC DEC Map Coordinates \_\_\_\_\_ Lot size 0.5Ac.

Property Owner's Name FRANK DELPH  
Address 18234 PENNSHUR ROAD  
City Mt. Airy State MD Zip Code 21771  
Home Phone 301 6079332 Work Phone 301 6079332  
Applicant's Name & Mailing Address, (if other than stated hereon):  
Phone \_\_\_\_\_ Fax CONSTRUCTION SERVICES INC

Existing Use HOME BURNED DOWN  
Proposed Use SINGLE FAMILY RESIDENTIAL CONSTRUCTION  
Estimated Construction Cost \$ 105,000.00  
Description of Work RESIDENTIAL HOUSE CONSTRUCTION  
Permit # B00122886

Contractor Company T.A. TURNER CONSTRUCTION SERVICES INC.  
Contact Person RONALD T. TURNER  
Address 8135 SWEETSHILL ROAD  
City GARDNERVILLE State MD Zip Code 20879 20879  
License No. \_\_\_\_\_  
Phone 301-519-9715 Fax 301-519-9717

Occupant or Tenant FRANK DELPH  
Contact Name FRANK DELPH  
Address 18234 PENNSHUR ROAD  
City Mt. Airy State MD Zip Code 21771  
Phone 301 6079332 Fax \_\_\_\_\_

Engineer or Architect Company FISHER CONSULTING GROUP  
Contact Person CHARLES L. CRAWFORD  
Address 10372 BALTIMORE NATIONAL BLVD  
City ELICOTT CITY State MD Zip Code 21142  
Phone 410 461-2855 Fax 750-3774

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

Building Characteristics		Utilities	
Height:		Water Supply:	
No. of stories:		Public <input type="checkbox"/>	
Gross area, sq. ft. per floor:		Private <input type="checkbox"/>	
Use group:		Sewage Disposal:	
Construction type:		Public <input type="checkbox"/>	
<input type="checkbox"/> Reinforced Concrete		Private <input type="checkbox"/>	
<input type="checkbox"/> Structural Steel		Electric Yes <input type="checkbox"/> No <input type="checkbox"/>	
<input type="checkbox"/> Masonry		Gas Yes <input type="checkbox"/> No <input type="checkbox"/>	
<input type="checkbox"/> Wood Frame		Heating System:	
<input type="checkbox"/> State Certified Modular		Electric <input type="checkbox"/> Oil <input type="checkbox"/>	
		Natural Gas <input type="checkbox"/>	
		Propane Gas <input type="checkbox"/>	
		Sprinkler system: <u>N/A</u> <input type="checkbox"/>	
		Full <input type="checkbox"/>	
		Partial <input type="checkbox"/>	
		Other Suppression <input type="checkbox"/>	
		# of Heads _____	

Building Characteristics		Utilities	
SF Dwelling <input checked="" type="checkbox"/>	SF Townhouse <input type="checkbox"/>	Water Supply:	
Depth _____	Width _____	Public <input type="checkbox"/>	
1st floor: <u>38'</u>	<u>53'5"</u>	Private <input checked="" type="checkbox"/>	
2nd floor: <u>N/A</u>		Sewage Disposal:	
Basement: <u>38'</u>	<u>53'5"</u>	Public <input type="checkbox"/>	
Finished Basement <input type="checkbox"/>	Unfinished Basement <input checked="" type="checkbox"/>	Private <input checked="" type="checkbox"/>	
Crawl space <input type="checkbox"/>	Slab on Grade <input type="checkbox"/>	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
No. of Bedrooms <u>3</u>		Gas Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Multi-family dwellings:		Heating System:	
No. of efficiency units: _____		Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/>	
No. of 1 BR units: _____		Natural Gas <input type="checkbox"/>	
No. of 2 BR units: _____		Propane Gas <input type="checkbox"/>	
No. of 3 BR units: _____		Sprinkler system: <u>N/A</u> <input checked="" type="checkbox"/>	
Other Structure: _____		NFPA #13D _____	
Dimensions: _____		NFPA #13R _____	
Footings: _____		Other: _____	
Roof: _____			
<input checked="" type="checkbox"/> State Certified Modular			
<input type="checkbox"/> Manufactured Home			

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 THEREIN; (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 [Signature]  
Title/Company PROJECT MANAGER / T.A. TURNER CONSTRUCTION SERVICES INC.

Print Name RONALD T. TURNER (LAWYER)  
Date 3/13/00

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
**\*\* PLEASE WRITE NEATLY AND LEGIBLY. \*\***  
**- FOR OFFICE USE ONLY -**

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
<input checked="" type="checkbox"/> Land Development DPZ			Front: _____	45336
<input checked="" type="checkbox"/> State Highways			Rear: _____	Filing fee \$ <u>25.00</u>
<input checked="" type="checkbox"/> Building Official			Side: _____	Permit fee \$ _____
<input checked="" type="checkbox"/> Dev. Engineering DPZ			Side St.: _____	Excise tax \$ _____
<input checked="" type="checkbox"/> Health	<u>3/2/00</u>	<u>[Signature]</u>	All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
<input checked="" type="checkbox"/> Fire Protection			Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Add'l permit fee \$ _____
Is Sediment Control approval required prior to issuance? YES <input type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for New Town Zone _____	Balance due \$ _____
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Check # <u>5075</u>
Distribution of Copies: White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SHA			Accepted by <u>[Signature]</u>	Validation # _____

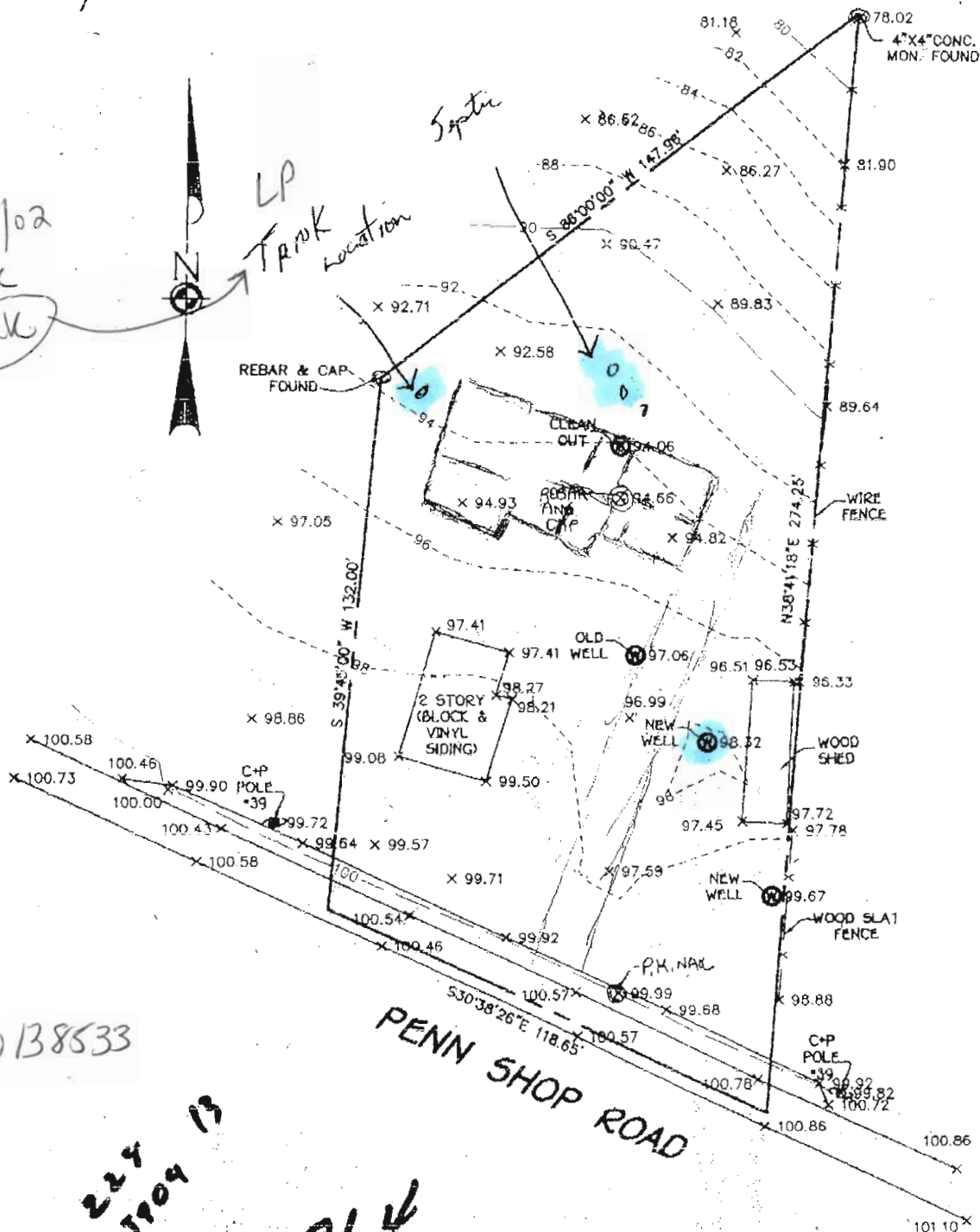
C/O LISA 301-251-0608

9/23/02  
OK  
SRK



LP TRUNK location

Septic



B00138533

224  
1109 13  
829-9764

FRANK & KAREN Delph

DEED REF LIBER 4393 FOLIO 442

TOPO  
PENN SHOP RD.  
SCALE 1"=30'  
JANUARY 15, 2000

4-0000-010-011-A

Howard County Health Department

To: \_\_\_\_\_

NEED TO LOCATE DOLPH FILE  
18234 PENNSHOP RD.

RECENT BSP (REPL. DWELLING)  
+ COMPLETED REPORT (OLDBR WELY)  
ARE IN THE FILE

IN ORDER TO PREPARE  
SEPTIC AGAIN PERMIT  
TO INSTALL 4500 GAL.  
HOLD. IN TANK CAPACITY  
(3 @ 1500 GAL EACH),

\_\_\_\_\_  
4/28/00 (CW)  
\_\_\_\_\_



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HOWARD COUNTY HEALTH DEPARTMENT

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*Diane L. Matuszak, M.D., M.P.H., County Health Officer*

March 10, 2000

To: Howard County Office of Licenses and Permits

From: Craig Williams *CW*  
Sanitarian

Re: Request for Demolition Permit  
Delph Property  
18234 Penn Shop Rd.

This is to provide notice of Health Department recommendation for issuance of a demolition permit for the existing residence and wood shed at the above referenced property.

Health Department concerns for protection of the well(s) and septic system during the demolition process have been adequately addressed in notes added to the F.C.C plot plan drawing for this site also identified as GP-00-122.

cc: Frank Delph  
Chuck Crovo - FCC  
✓ Don/Ron Turner – Turner Construction  
*FILE*



A36444

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## HOWARD COUNTY HEALTH DEPARTMENT

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Diane L. Matuszak, M.D., M.P.H., County Health Officer

February 11, 2000

Frank Delph  
18234 Penn Shop Rd.  
Mt. Airy, Md. 21771

Dear Mr. Delph,

A site plan recently submitted by Keith Fralic of FCC Associates for your property at 18234 Penn Shop Rd. proposes construction of a 1721 square foot – 3 bedroom home to replace the existing damaged residence on site. That proposal can be recommended for approval contingent upon satisfaction of several conditions.

First, a septic holding tank was installed several years ago as an interim wastewater disposal measure until more permanent arrangements were made. Consideration of any permit application for this property requires that wastewater disposal arrangements be “finalized”. Requirements for finalization of a holding tank involve:

- recording a holding tank agreement with the deed of the property;
- submitting a pump out contract from a licensed scavenger;
- installing sufficient tankage for 7 days holding capacity; and
- providing an audible high water alarm to signal need for pumping.

Second, there are three wells of uncertain construction on the property. Consideration of any permit for this property requires confirmation that well construction standards are satisfied:

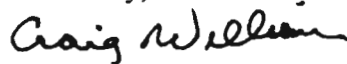
- for the unused hand dug well, documentation of proper abandonment is needed;
- for the well serving the existing structure, amending the proposed building location to provide 30 foot separation is needed, and prior to re-occupancy, sampling for potability will be needed;
- for the newest well close to the road, a well completion report is needed and then the well may either be connected for service and sampled or it may be abandoned and sealed.

Delph - 2/11/00 p2/2.

For those items that can be completed prior to building permit approval, please contact this office to provide the necessary documentation or schedule inspection as appropriate to the specific situation. For those items that would be completed after building permit approval, commitment to a schedule for timely completion should be provided.

Please contact me at this office if you require any additional guidance in completing these items or have any questions regarding their applicability in this situation.

Yours truly,



Craig Williams, Sanitarian

*RON*  
cc: ~~Don~~ Turner - Turner Construction  
Keith Fralic - FCC

# DELPH PROPERTY CONVERSATION WITH DON TURNER. (CW)

1/6/00

H. D. HOLDING TANK (AND WELL) STATUS SUGGEST THAT "NO INCREASE" STANDARD WILL APPLY TO ANY PROPOSAL TO REHABILITATE EXISTING HOUSE.

TURNER: EXISTING HOUSE IS 2 STORY, 3 BDR ROOM 1 1/2 BATH, NO BASEMENT (BUT CRAWLSPACE) 22 x 33 = 726 SQ FT 2 FLOORS = 1426 (PRESUME BDR ROOMS HAVE NO CLOSETS)



HOUSE HAS CATASTROPHIC FIRE DAMAGE, RECONSTRUCTION WOULD BE MORE COSTLY THAN REPLACEMENT, HOUSE CANNOT BE REPLACED AT SAME SQUARE FOOTAGE AND CURRENTLY LIVABILITY STANDARDS.

THE PROPOSALS FOR A MODULAR 1500 SQ FT 3 BR 1 1/2 BATH SINGLE STORY

IF NOT ACCEPTABLE A 1200 SQ FT MODUL WOULD BE THE FIRST ALTERNATIVE.

(301-519-9715)

EITHER WAY WILL NEED TO ADD 1500 GAL. ALARMED TANK, + NEEDS HOLDING TANK AGREEMENT. NEED INFO ON WELL, APPROVAL OF A NON-STANDARD WELL IS A PROBLEM, BUT IF THATS ALL THAT CAN EXIST...

FOLLOW-UP CALLS: FRANK & KAREL DELPH - WHAT SIZE HOUSE CAN BE APPROVED? IS BP SIGNED YET? DO THEY HAVE TO ADD ADDITIONAL HOLDING TANK CAPACITY, I EXPLAINED THAT FINAL DECISION OF "SLIGHTLY LARGER" HAS PLAN WAS CARGOLY JUDGEMENTAL - NEED TO SEE PROPOSAL ON "STANDARD" SITE PLAN BEFORE FINAL COMMENT. (CW)

JAN 10-13  
JAN 14  
THOMAS TURNER (FOR DON TURNER)

# QUICK NOTE

18234 Penn Shop Road

12/6/99 House burned down  
They want to replace w/  
a 3 bdrm house

Holding tank is for 2 bdrm  
& is currently undersized  
- 7 days holding @ 150 gpd  
per bdrm - should have  
2100 for 2 bdrm and  
should have 3150 for a  
3 bdrm

• Also per CW there is no  
H<sub>2</sub>O on property

No completion report -  
called MDE for a copy

• Issues are -

- ① Holding tanks for ex  
houses only & no increase  
in flow allowed when  
holding tanks are used
- ② Can we prevent replacement  
based on having no H<sub>2</sub>O
- ③ Can we rationalize  
replacement dwelling due  
to fire w/ an upgrade to  
holding tanks to 3150 gal

A. McMullen

12/7/99 No completion report submitted.

12/13/99 No action can be taken on the  
well issue per GM - Can not replace  
house w/ larger & even if they  
replace the house w/ same size  
the holding tanks would need to be  
sized for 7 days holding time  
2100 gal & holding tank agreement  
signed. A



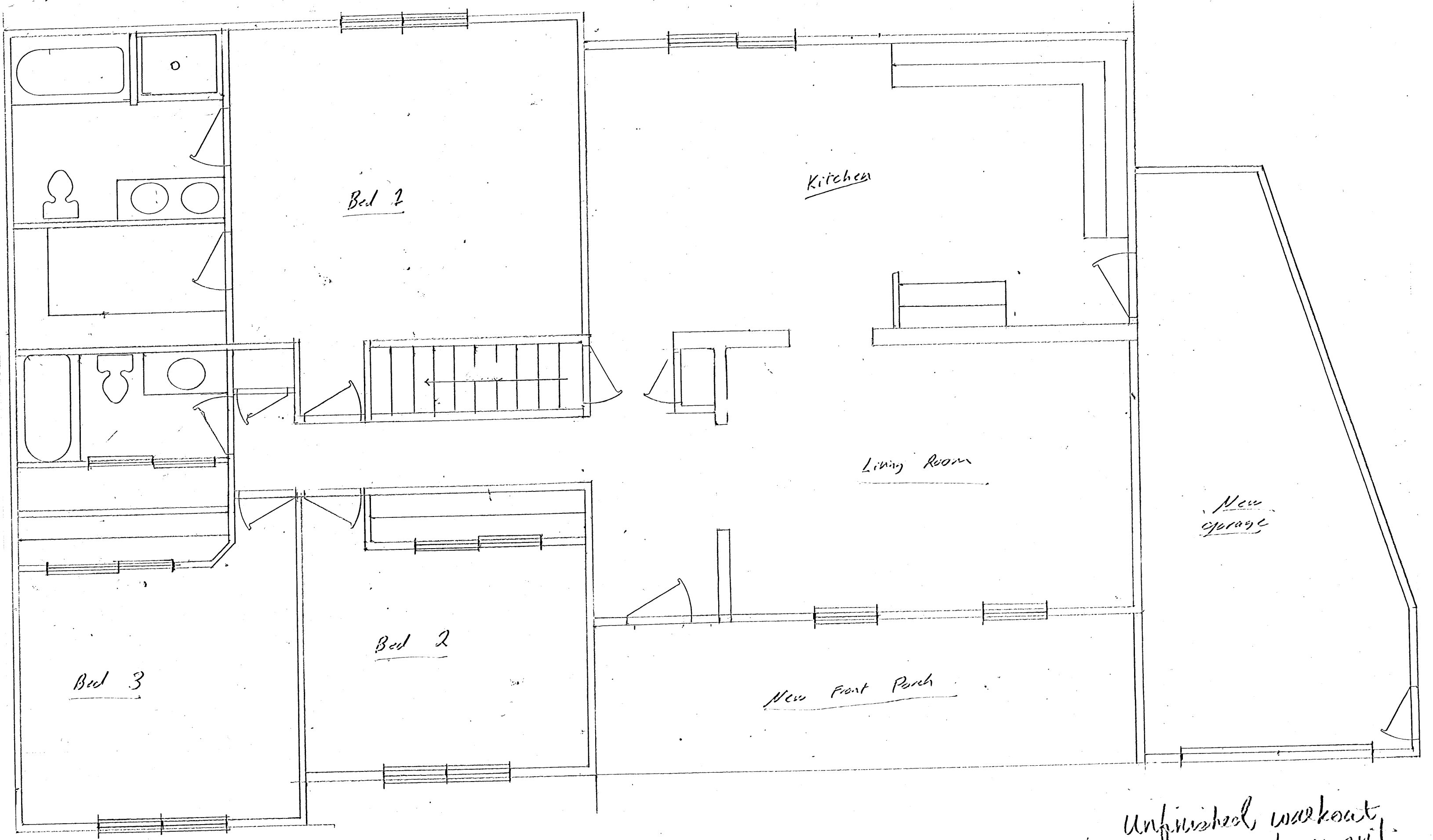
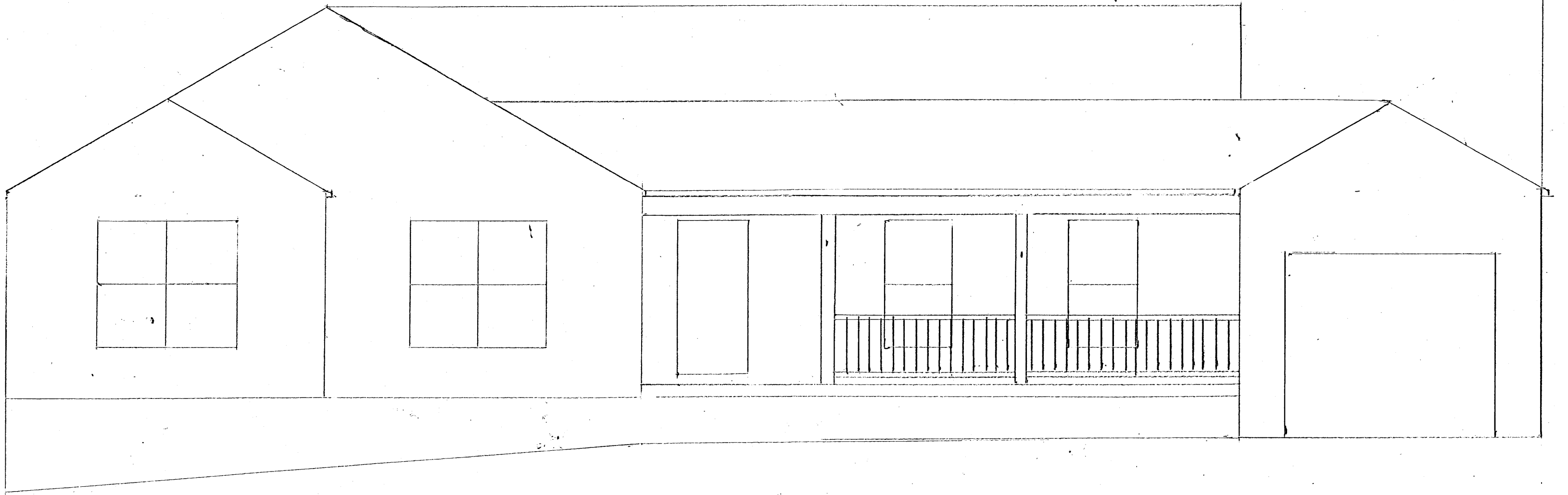
**LINEMARK PRINTING INC**

1220 Caraway Court, Suite 1040, Largo, MD 20774

301.925.9000 • Fax: 301.925.8852 • www.linemark.com

12/27/99

Per owner Frank Delph - replacement  
home only 237 sq. ft larger  
than original home that  
burned - he will provide document  
of same - up grade still  
needed. Au



unfinished work out  
basement

**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: *[Signature]* DATE: \_\_\_\_\_

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 2-14-00

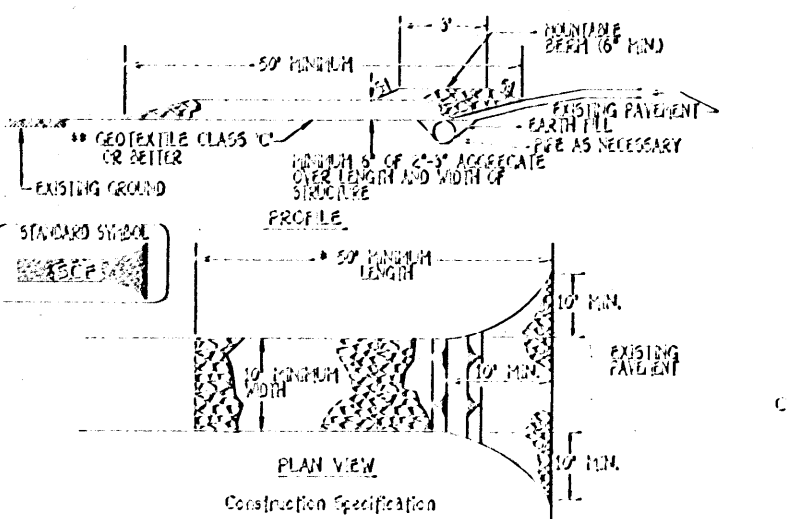
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE: 2-22-00

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 2-22-00

**SEEDING CONTROL NOTES**

- A minimum of 10 hours notice must be given to the HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-3351).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 10 7 CALENDAR DAYS FOR ALL PERMITS. PERMANENT CONTROL STRUCTURES, DICES, FERTILIZER STRIPS AND ALL SLOPES STEEPER THAN 3% TO 10 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY SEPTIC TANK SPILLAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING SPEC. OR TEMPORARY SEEDING SPEC. SOIL AND MULCHING SPEC. SOIL TEMPORARY STABILIZATION WITH TURF MATS CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER VEGETATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.
- SITE UTILITIES:
  - TOTAL AREA OF SITE: 2.51 ACRES
  - AREA TO BE ROOFED OR PAVED: 0.13 ACRES
  - AREA TO BE VEGETATIVELY STABILIZED: 2.11 ACRES
  - TOTAL CUT: 3.00 CUBES
  - TOTAL FILL: 0.00 CUBES
  - OFFSITE WASTE/SCREW AREA LOCATION: \_\_\_\_\_
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE 5th DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMANENT EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS OBTAINED.
- FENCES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE FEET HEIGHTS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS GREATER.



- Length - minimum of 50' (30' for single residence lot).
- Width - 10' minimum, should be fitted at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The span approval authority may not require slope flange rebar to use geotextile.
- Stone - crushed to 1/2" to 3/4" or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - All surface water flowing to or diverged toward construction entrances shall be piped through the entrance. A 4" diameter pipe installed through the stabilized construction entrance shall be protected with a minimum of 2' slope and a minimum of 5' of stone over the pipe. Pipe has to be sized according to the drainage. When the pipe is located at a high spot and has no drainage to cover a pipe shall be used. A 6" minimum will be required according to the amount of runoff to be covered.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 1072 BALTIMORE NATIONAL FREE  
BELLINGHAM CITY, MARYLAND 21112  
(410) 461-2855

**REQUIREMENTS OF CONSTRUCTION**

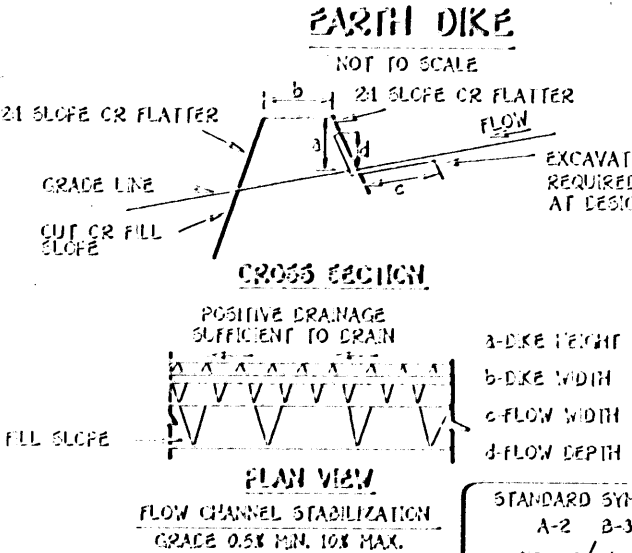
- Obtain grading permit.
- Install sediment controls as shown on plan (1) dip.
- Perform necessary grading and stabilize the site (2) dip.
- Construct ditches on site (3) dip.
- After the site is stabilized and construction is graded from the sediment control together, remove sediment controls and stabilize any remaining disturbed areas.

**TEMPORARY SEEDING NOTES**  
Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.  
**SEEDING PREPARATION**  
Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously broken.  
**SOIL AMENDMENTS**  
Apply 600 lbs. per acre 10-10-10 fertilizer (12 lbs/1000 sq. ft.)  
**SEEDING**  
For the periods March 1 through April 30, and August 15 through November 15, seed with 1 1/2 bushels per acre (12 lbs/1000 sq. ft.) for the period April 1 thru August 14. Seed with 3 lbs/acre of vesper grass (0.7 lbs/1000 sq. ft.). For the period November 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

**PERMANENT SEEDING NOTES**  
All disturbed areas shall be stabilized as follows:  
**SEEDING PREPARATION**  
Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.  
**SOIL AMENDMENTS**  
Apply two tons per acre Dolomite Lime Stone (2 lbs/1000 sq. ft.) and 600 lbs. per acre 0-20-20 fertilizer (12 lbs/1000 sq. ft.) before seeding through or discing. Also apply three inches of soil. At time of seeding, apply 100 lbs. per acre 10-0-0 ureaform fertilizer (3 lbs/1000 sq. ft.) and 500 lbs. per acre ULS 8-10-10 fertilizer of 10-20-20 fertilizer.

**SEEDING**  
For the periods March 1 through April 30, and August 1 through October 15, seed with 100 lbs. per acre (23 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue, for the period March 31, seed with 60 lbs/acre (14 lbs/1000 sq. ft.) Kentucky 31 Fescue and 2 lbs. per acre (0.5 lbs/1000 sq. ft.) of vesper grass. During the period of October 15 through February 28, protect site by Option (1) - two tons per acre of well anchored straw mulch and seed as soon as possible in the spring, Option (2) - use 600 lb/acre (1) - seed with 100 lbs/acre Kentucky 31 Tall Fescue and mulch with two tons/acre well anchored straw. All slopes should be hydroseeded.  
**MULCHING**  
Apply 1 1/2 to 2 tons per acre (10 to 20 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq. ft.) of unrotted sphagnum peat moss. On slopes 3 feet or higher, use 310 gallons per acre (31 gal/1000 sq. ft.) for anchoring. Refer to the 1991 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.  
**MAINTENANCE**  
Inspect all seeded areas and make needed repairs, replacements and reseedings.  
\* For public ponds substitute Cheatum Grass at 15 lbs/acre and Kentucky 31 Tall Fescue at 10 lbs/acre in the seeding requirement. Optimum seeding date for this mixture is March 1 to April 30.

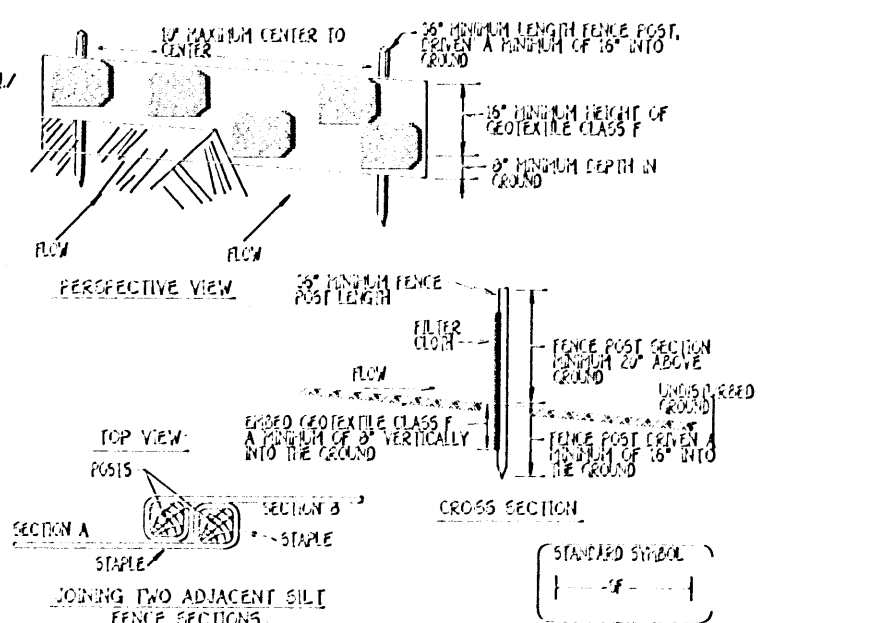
**TOPSOIL SPECIFICATIONS** - Soil to be used as topsoil must meet the following:  
Topsoil shall be a loam, sandy loam, clay loam, silty loam, sandy clay loam, silty clay, or other soil as may be determined by a registered professional engineer and approved by the appropriate approval authority. Restrictions, topsoil shall not be a mixture of contrasting textures and shall contain less than 5% by volume of cinders, stones, clay, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1/2" in diameter.  
Topsoil must be free of plants or plant parts such as Bromus Grass, Quackgrass, Johnson grass, Indigo, Poison Ivy, Thistle, or others as specified.  
Where the topsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds/1000 sq. ft.) prior to the placement of topsoil. Limestone shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.  
For sites having disturbed areas under 5 acres, place topsoil of required and apply soil amendments as specified in 200 vegetative stabilization Section 1 - Vegetative Stabilization Methods and Materials.



- Seed and cover with straw mulch.
  - Seed and cover with Erosion Control Matting or lime with sod.
  - 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum.
- Construction Specifications**
- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
  - Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
  - Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
  - All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
  - The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
  - Fill shall be compacted by earth moving equipment.
  - All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
  - Inspection and maintenance must be provided periodically and after each rain event.

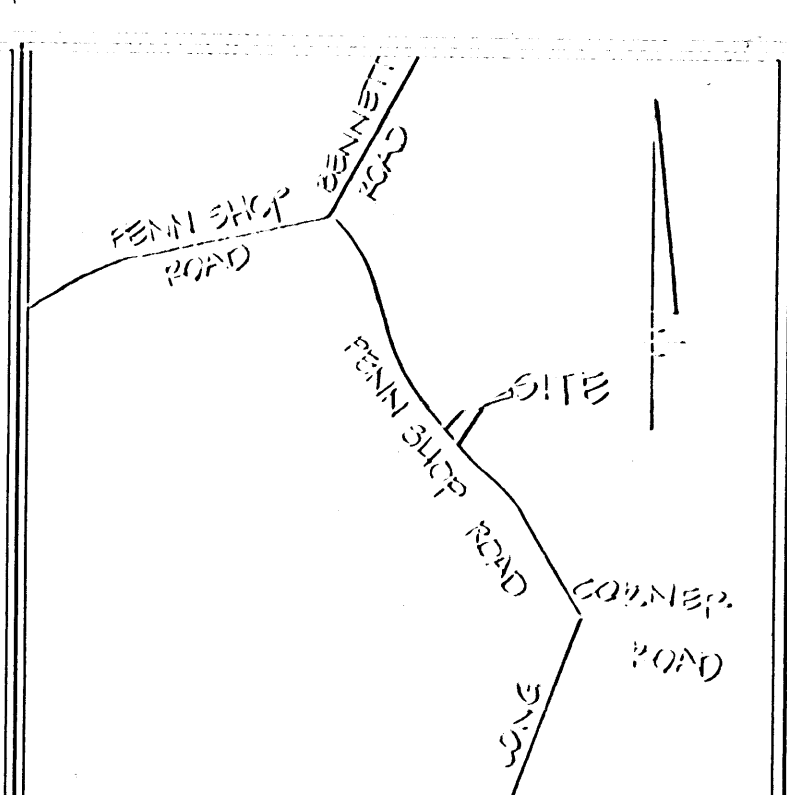
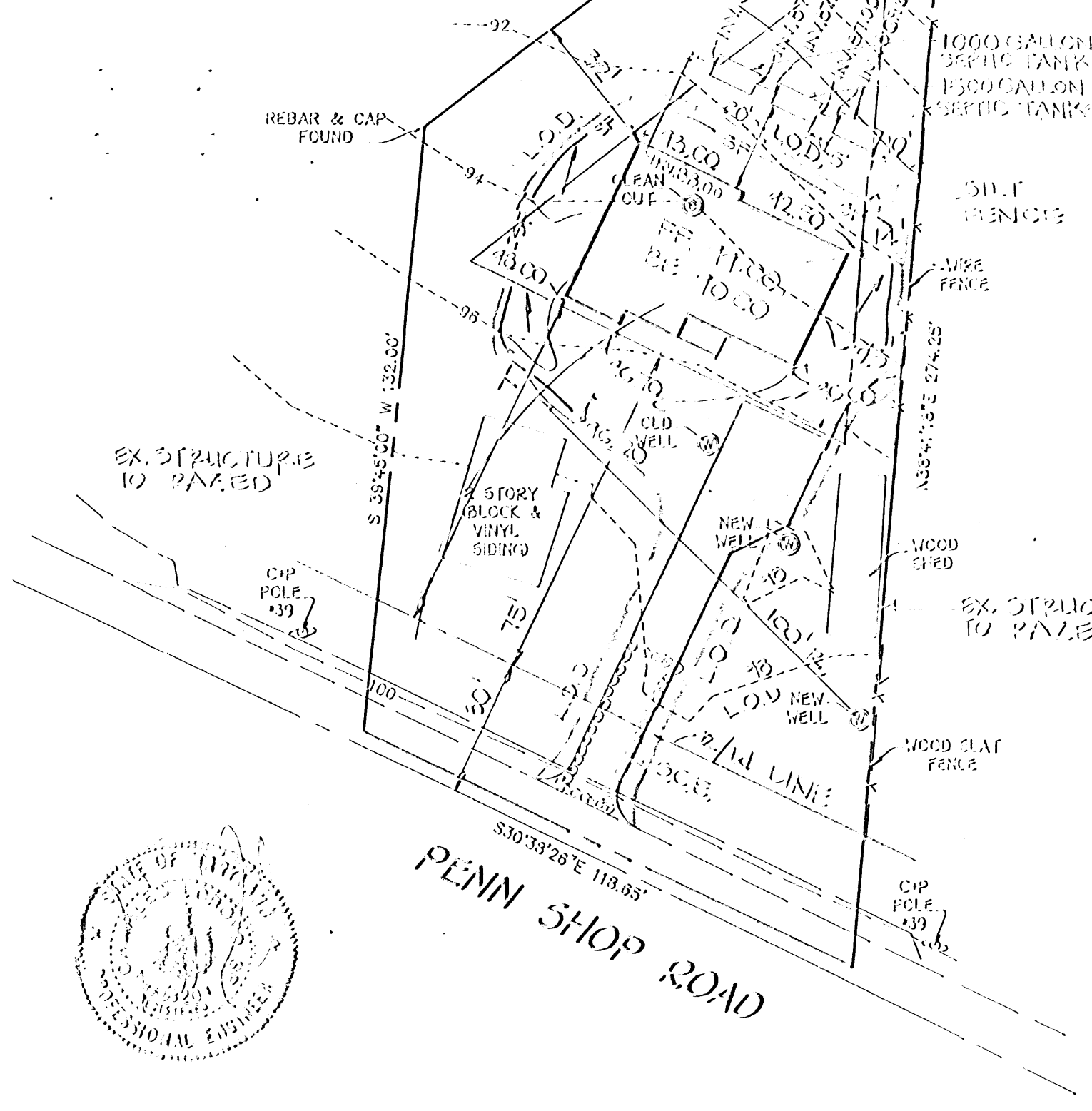
**ALTERNATIVE FOR PERMANENT SEEDING** - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below.

- Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
- Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under Comar 28.01.05.
  - Composted sludge shall contain at least 1 percent Nitrogen, 1.5 percent phosphorus, and 0.2 percent Potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate corals/elements must be added to meet the requirements prior to use.
  - Composted sludge shall be applied at a rate of 1 ton/1,000 sq. ft.
- Composted sludge shall be amended with a Potassium Fertilizer (K2) at the rate of 1 lb/1,000 sq. ft. and 1/3 the normal lime application rate.



- Construction Specifications**
- Fence posts shall be a minimum of 36" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut) or 1 1/4" diameter (minimum round) and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 100 pound per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
  - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
  - Silt fence shall be inspected after each rainfall event and maintained when bypass occur or when sediment accumulation reached 20% of the fabric height.
- |                      |                          |                |
|----------------------|--------------------------|----------------|
| Tensile Strength     | 50 lbs/in (min)          | Test: ASTM D20 |
| Tensile Puncture     | 20 lbs/in (min)          | Test: ASTM D20 |
| Flow Rate            | 2.3 gal (1/2 minute) max | Test: ASTM D22 |
| Filtering Efficiency | 75% (min)                | Test: ASTM D22 |

**SILT FENCE**  
NOT TO SCALE



THE OLD WELL HAS BEEN ABANDONED BY RALPH MAYNE DRILLING CO.  
FRANK RALPH WILL BE RESPONSIBLE FOR THE DISCONNECTION OF THE TWO NEW WELLS AND SEPTIC TANKS.  
PRIOR TO CONSTRUCTION THE TWO NEW WELLS MUST BE PROTECTED FROM CONSTRUCTION ACTIVITY.

- CONTRACTOR MUST VERIFY EXISTING LOCATION OF SEPTIC SYSTEM BEFORE.
- ALL WELLS NOT USE FOR POTABLE WATER SUPPLY SHALL BE ABANDONED AT THE DIRECTION OF THE HOWARD COUNTY HEALTH DEPT.

GP-00-122

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT  
18234 PENN SHOP ROAD  
LIBERTY 2093 FOLIO 112  
TAX MAP NO. 6 PARCEL NO. 21  
14th ELECTRON DISTRICT HOWARD COUNTY, MARYLAND  
Scale 1" = 30'  
JANUARY 24, 2000  
SHEET 1 OF 1