

Permits: 410-313-2455
 Inspections: 410-313-1810
 Automated Line: 410-313-3800

Howard County Building/Fire Permit Application
 Department of Inspections, Licenses & Permits
 3430 Court House Drive
 Ellicott City, MD 21043

Permit Number: Y311001301

Building Address: 12738 CLARKVILLE AVE
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: 4
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: _____
 Proposed Use: _____
 Estimated Construction Cost: \$ _____
 Description of Work: _____

Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____

Home Phone: _____ Work Phone: _____

Applicant's Name & Mailing Address, (if other than stated herein): _____

Phone: _____ Fax: _____
 Email: _____

Contractor Company: _____
 Contact Person: _____

Address: _____
 City: _____ State: _____ Zip Code: _____

License No.: _____
 Phone: _____ Fax: _____
 Email: _____

Engineer/Architect Company: _____
 Responsible Design Prof.: _____

Address: _____
 City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____
 Email: _____

BUILDING DESCRIPTION - COMMERCIAL

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

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	<u>Water Supply</u>
<u>Depth</u> <u>Width</u>	<input type="checkbox"/> Public
1 st floor:	<input type="checkbox"/> Private
2 nd floor:	<u>Sewage Disposal</u>
Basement:	<input type="checkbox"/> Public
<input type="checkbox"/> Finished Basement	<input type="checkbox"/> Private
<input type="checkbox"/> Unfinished Basement	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Crawl Space	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Slab on Grade	<u>Heating System</u>
No. of Bedrooms:	<input type="checkbox"/> Electric
<u>Multi-family Dwelling</u>	<input type="checkbox"/> Oil
No. of efficiency units:	<input type="checkbox"/> Natural Gas
No. of 1 BR units:	<input type="checkbox"/> Propane Gas
No. of 2 BR units:	
No. of 3 BR units:	
Other Structure:	
Dimensions:	
Footings:	<input checked="" type="checkbox"/> Roadside Tree Project Permit
Roof:	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> State Certified Modular	Roadside Tree Project Permit #
<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 THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN HIS 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: _____
 Date: _____

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>12/4/11</u>	<u>[Signature]</u>
Fire Protection		

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

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>1500</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$

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

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) And 600 lbs. / acre (15 lbs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Fertilizer in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below and apply permanent seeding when within proper seeding dates.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used). Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Agra-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

Permanent Seeding Summary

Seed Mixture (Hardiness Zone 7a and 7b)	Fertilizer Rate (10-20-20)	Lime Rate
No. Species Application Rate (lb/acc) Seeding Dates	N P2O5 K2O	
10 Tall Fescue (80%) 120 3/1-5/15 0.5 in. (2.0lb/1000sqft) (4lb/1000sqft) (1000lb/1000sqft)	600/60/60 750/50/50 750/50/50	2 tons/acre (1000lb/1000sqft)
Hard Fescue (20%) 30 8/15-11/15		

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) And 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Fertilizer in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used). Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Agra-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

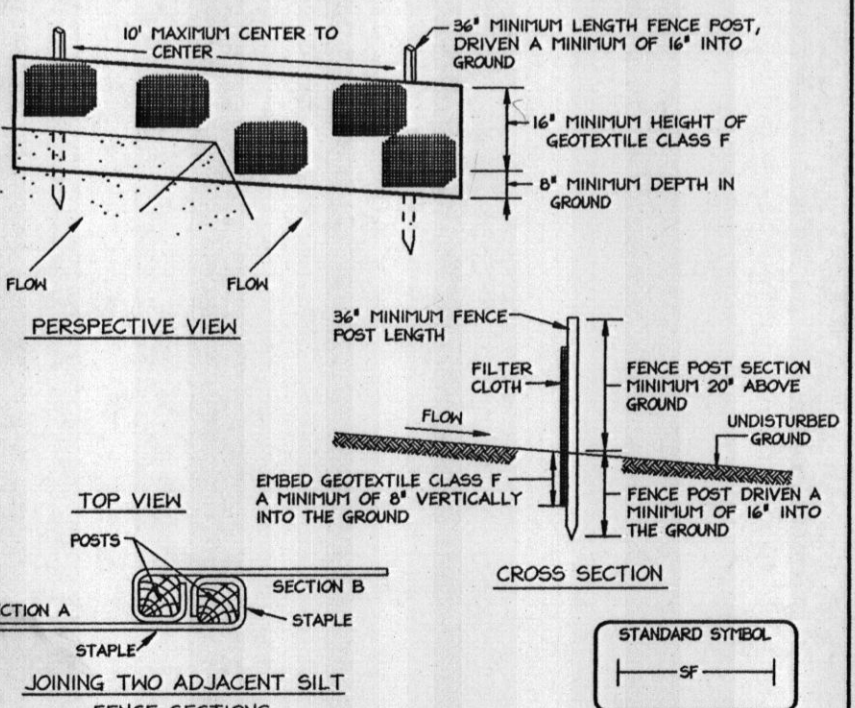
Temporary Seeding Summary

Seed Mixture (Hardiness Zone 7a and 7b)	Fertilizer Rate (10-10-10)	Lime Rate
No. Species Application Rate (lb/acc) Seeding Dates	N P2O5 K2O	
2 Barley or Rye plus Fertilizer 150 lbs (3.5lb/1000sqft) 3/15-10/31	600/60/60 (15lb/1000sqft) (1000lb/1000sqft)	2 tons/acre (1000lb/1000sqft)

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (410-315-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 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 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
 - Total Area: 3.001 Acres
 - Area Disturbed: 0.657 Acres
 - Area to be roofed or paved: 0.170 Acres
 - Area to be vegetatively stabilized: 0.517 Acres
 - Total Cut: 500 CY±
 - Total Fill: 1,500 CY±
 - Offsite waste/borrow area location:
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter 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 made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by contractor with pre-approval of the Sediment Control Inspector with an approved and active grading permit.

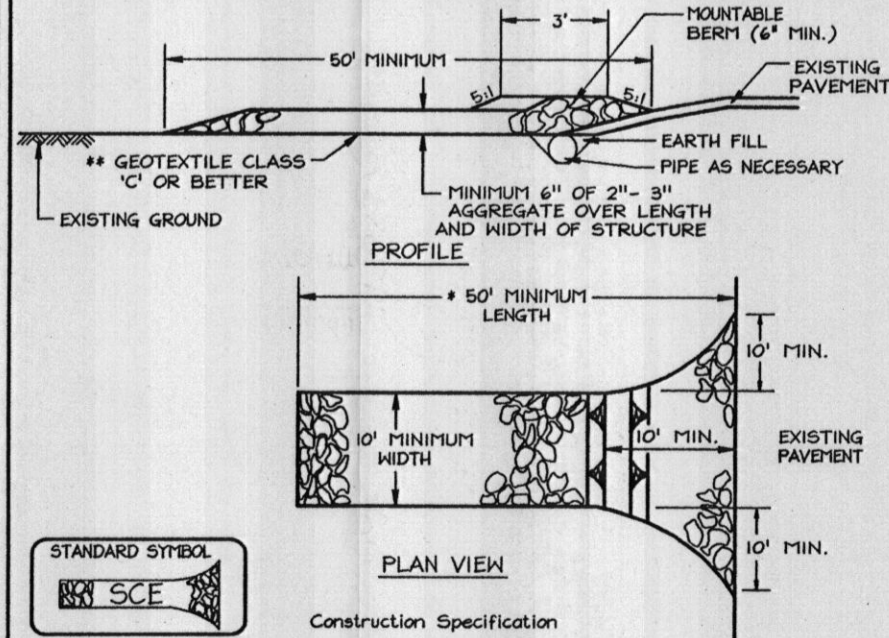
DETAIL 22 - SILT FENCE



FENCE SPECIFICATIONS

- Fence posts shall be a minimum of 30" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 3/4" diameter (minimum) round and shall be sound quality, barbed. Steel posts will be standard T or U section weighing not less than 100 pounds per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at each section and shall meet the following requirements for Geotextile Class F:
 - Tensile Strength: 50 lb/in (min.) Test: FHST 504
 - Tensile Flexure: 20 lb/in (min.) Test: FHST 504
 - Flow Rate: 0.3 gal (1 minute) (max.) Test: FHST 522
 - Filtering Efficiency: 75% Test: FHST 522
- 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 rain event and maintained when higher, lower or when sediment accumulation reaches 50% of the fabric height.

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATION

- Length - minimum of 50' (+30' for a single residence lot).
- Width - 10' minimum, should be flared 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 plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed 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 diverted toward construction entrances shall be placed through the entrance, maintaining positive drainage. Pipes installed through the stabilized construction entrance shall be protected with a mountable berm with full slope and a minimum of 3" of slope over the pipe. Pipes shall be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey, a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- 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.

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Boile silt loam	D
CgB2	Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded	B
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChA	Chester silt loam, 0 to 3 percent slopes	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
GlD2	Glenside loam, 15 to 25 percent slopes, moderately eroded	B
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MlD2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MlE	Manor loam, 25 to 45 percent slopes	B

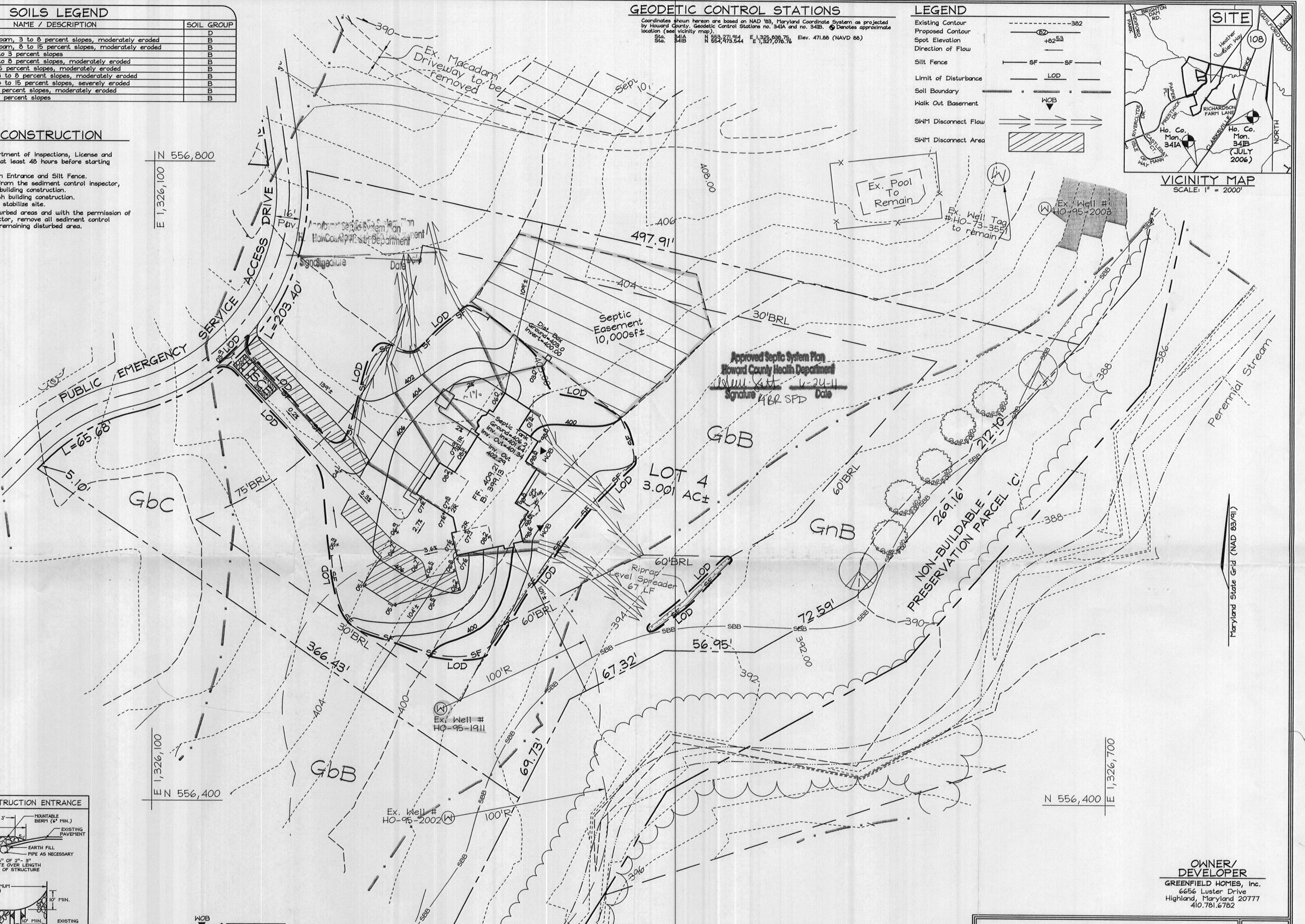
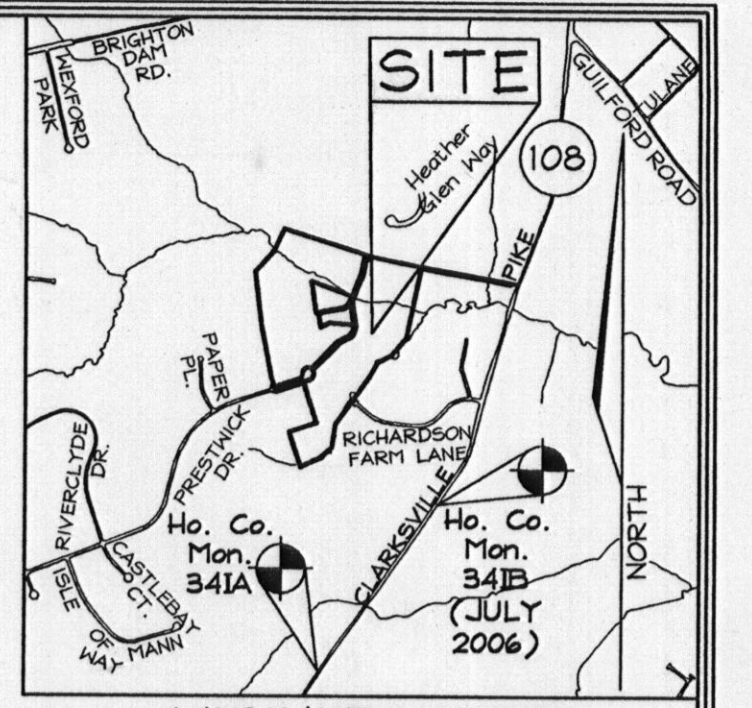
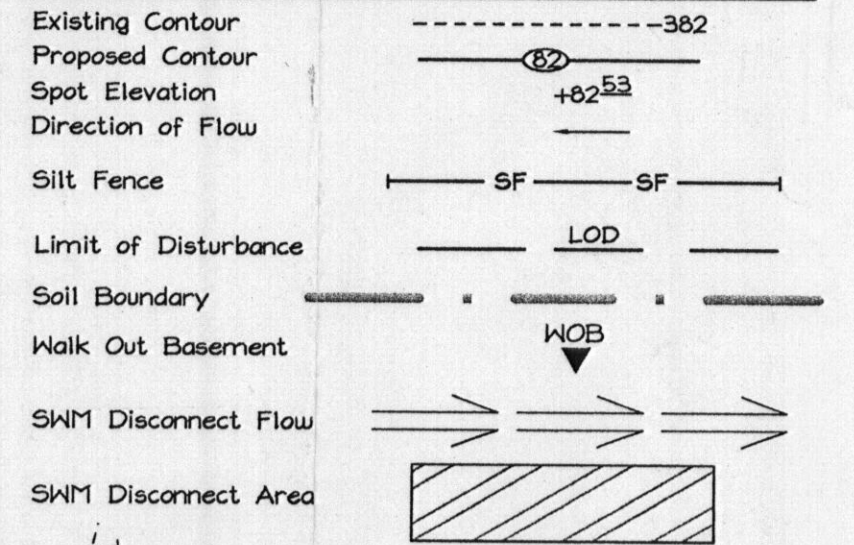
SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
- Notify Howard County Department of Inspection, License and Permits at (410) 315-1855 at least 48 hours before starting any work.
- Install Stabilized Construction Entrance and Silt Fence.
- After receiving permission from the sediment control inspector, rough grade site and begin building construction.
- Construct driveway and finish building construction.
- Fine grade and permanently stabilize site.
- Upon stabilization of all disturbed areas and with the permission of the Sediment Control Inspector, remove all sediment control measures and stabilize any remaining disturbed area.

GEODEIC CONTROL STATIONS

Coordinates shown hereon are based on NAD 83, Maryland Coordinate System as projected by Howard County Geodetic Control Stations no. 341A and no. 341B. Denotes approximate location (see vicinity map).
Sta. 341A N 553,271.94, E 1,326,898.79, Elev. 471.66 (NAVD 83)
Sta. 341B N 553,271.94, E 1,327,076.76, Elev. 471.66 (NAVD 83)

LEGEND



N 556,800
E 1,326,100

N 556,400
E 1,326,100

N 556,400
E 1,326,700

GENERAL NOTES

- This property is zoned "RR-DEO" per the 02/02/04 Comprehensive Zoning Plan and the Camp Lite Zoning Regulations Amendments effective 07/28/06.
- Total area of property = 3.001 Ac±
- Private well water and private septic will serve this lot.
- On-site topography based on a Field Run Topographic Survey prepared by FSH Associates October 2006. Off-site and non-critical topography based on Howard County 1998 Aerial Topographic Survey with five foot contours.
- The existing well shown on this plan (identified with the attached well tag number: HO-95-1911) has been field located by FSH Associates, Inc. on October 26, 2010 and is accurately shown.
- A stockpile will not be permitted on site.
- Storm Water Management for CPV, Rev and WQV is provided by rooftop and non rooftop disconnects. Approved under F-10-106.

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. #22418, Expiration Date: 07/24/2013.

PLOT PLAN Rev 1

WILLOW POND LOT 4

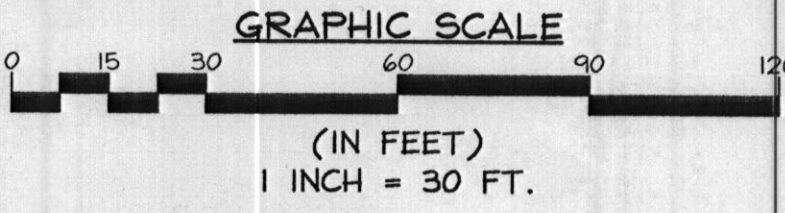
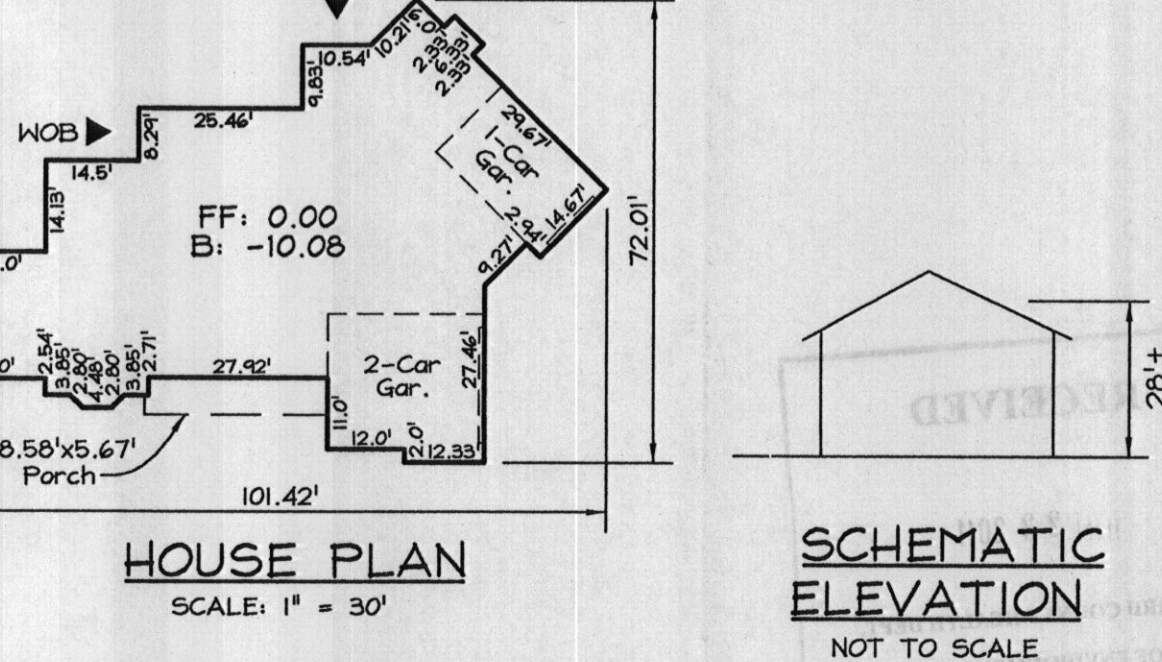
PARC#s 21628-21634

TAX MAP 34 GRID 17
5TH ELECTION DISTRICT

PARCEL 382
HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
6339 Howard Lane, Elkridge, MD 21075
Tel: 410-567-5200 Fax: 410-796-1552
E-mail: info@fshri.com

DESIGN BY: CRH2
DRAWN BY: CRH2
CHECKED BY: ZYF
SCALE: 1" = 30'
DATE: Jun. 21, 2011
W.O. No.: 3199
SHEET No. 1 OF 1





Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

January 22, 2010

Zacharia Fisch
FSH Associates
6339 Howard Lane
Elkridge, Maryland 21075

RE: Variance request
Willow Pond
M:34 P: 382


Dear Mr. Fisch:

The Health Department has received your variance requests dated December 4, 2009 and January 20, 2010 for the above referenced property. Maryland Department of the Environment has accepted our recommendation to approve the following variance requests under the *Code of Maryland Regulations 26.04.02.05 (C)* to allow: the shared sewage disposal system located on Non-buildable Preservation Parcel D serving Lots 2, 3, and 13 to be located up gradient from the private water supply on Lots 2, 3, 4, 6, and 7; and the initial sewage disposal area and future repair area for Lot 1 to be located up gradient from the private water supply on Lot 1. Due to the landscape positions of both the sewage disposal area on Lot 1 and the shared sewage disposal area in relation to the specified well locations, the request was approved subject to the following conditions:

1. The wells for Lot 1, 2, 3, 4, 6, and 7 must be constructed using a steel well casing, which must be installed at a minimum depth of 50' below ground surface or 10' into the competent bedrock, whichever is deeper.
2. A low pressure dosing system will be required for the shared sewage disposal system

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,


Sara Sappington, R.S.
Well and Septic Program


Maryland Department of the Environment

Wolf, Kevin

From: Nixon, Bert F
Sent: Friday, April 01, 2011 10:28 AM
To: Wolf, Kevin; raminor@comcast.net
Subject: RE: Willow Pond Lot 4 Radium

Rick

Setting aside the unanticipated time frame for long term analysis, the fact that they were able to do the 228 portion of the radium gives me important info in addressing the extent of treatment.

As you may recall from your office visit, the gross beta result was the more concerning because this range of readings (in the teens and upwards) has on a number of occasions, translated into an elevated 228 reading (in raw water). Given the near similar post results following 1 or 2 treatment units, in this situation, the softener treatment alone appears sufficiently effective in reducing the gross beta portion. Based on this, I would expect the gross alpha finding also to be effectively controlled by the use of the softener system.

At this point, the bottom line supports that with respect to these parameters (radionuclides) that the post-treated water will be safe for all uses. Once I have the full complement of results, I can formally summarize this in another letter. The important aspect will be to ensure that the treatment is regularly serviced. To help in that area, once the house is built/occupied, I am willing to do some additional pre and post treatment sampling (free of charge) for the owner at about 6 months to see how the treatment is holding up so that they can use those findings in assessing a maintenance schedule moving forward.

A copy of this e-mail will be added to the file so staff will know the back-round if/when the request is made.

Hopefully, this will enable your group to move forward on this lot. If the potential buyer has any additional questions regarding this issue, you can refer them to me.

Thanks

Bert

From: Wolf, Kevin
Sent: Friday, April 01, 2011 9:13 AM
To: raminor@comcast.net
Cc: Nixon, Bert F
Subject: Willow Pond Lot 4 Radium

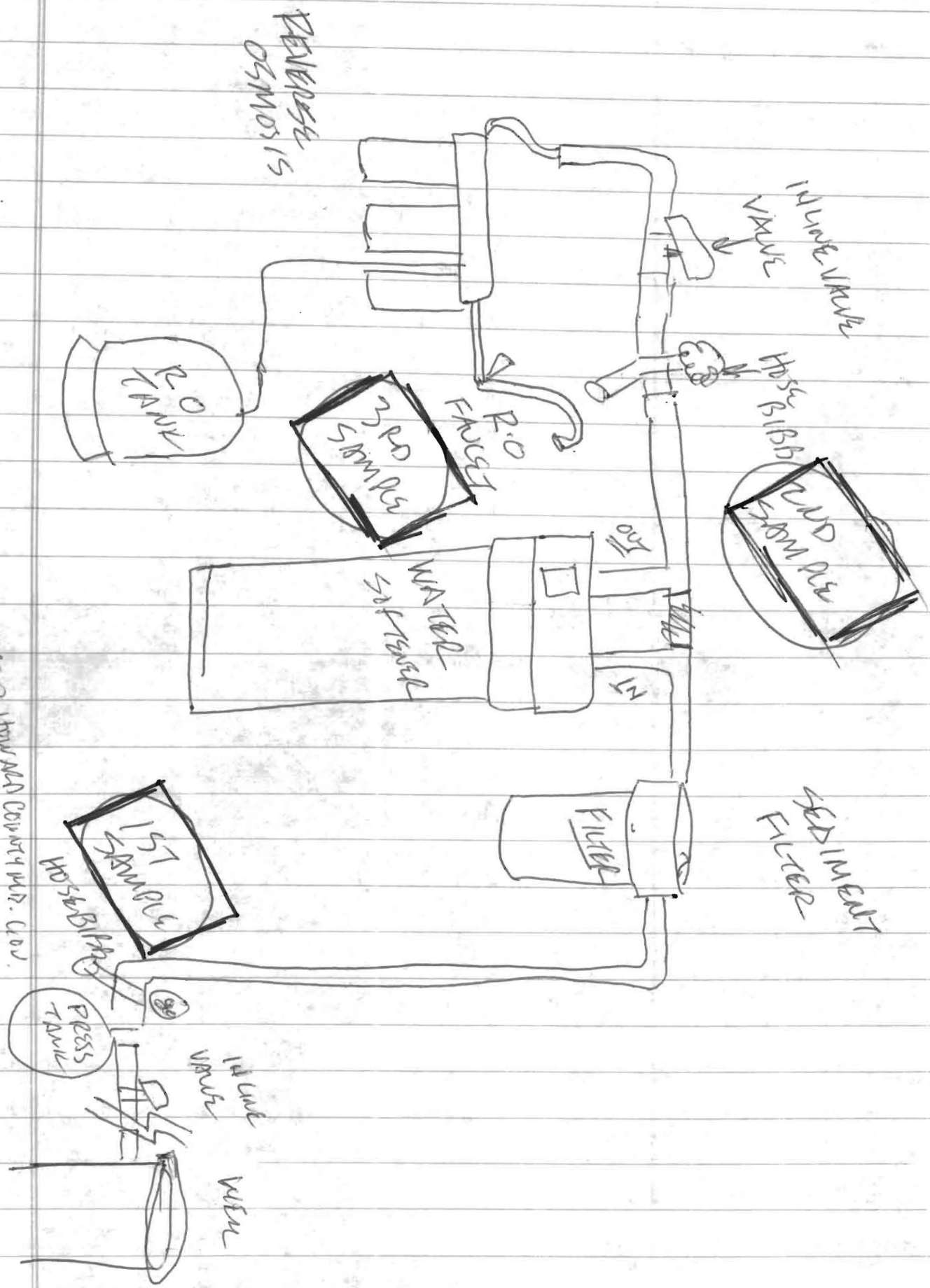
Rick,

I spoke with the state lab this morning concerning the **long term** samples.. They told me that the test would not be analyzed until 30 days hold time has been reached. The samples were collected 3/15 and sent down to the lab on 3/16 so this would put us at around 4/16. I will let you know the results as soon as we receive them.

As for the **radium 228** samples, the results were analyzed and shown below:

-Post H₂O Softener → <1.0mg/L
-Post H₂O Softener + RO → 1.2 +/- 1.0mg/L

The radium 226 will take aprx. the same amount of time as the long term samples. These results will be forwarded to you as well when we receive them. Any other questions, please feel free to contact me. Bert will probably follow up with you on these tests. Thanks.



140000 @ HOWARD COUNTY W.D. COV.