

LAYOUT _____

INSP 1 _____ INSP 3 _____

INSP 2 _____ INSP 5 _____

ISSUE DATE: 9-28-12

P 535922

APPROVAL DATE:

5/30/2014

PERMIT SHARED SEPTIC SYSTEM

A

Tax ID # 05-593277

HOUSE SEWER LINE CONNECTION

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Hatfields Equipment

IS PERMITTED TO INSTALL ALTER

ADDRESS: P.O. Box 519 Annapolis Jet HD PHONE NUMBER: 410-984-0047

SUBDIVISION Willow Pond LOT NUMBER: 3

ADDRESS: 6498 Prestwick Drive PROPERTY OWNER: Wonpyo Hong

NUMBER OF BEDROOMS: 4

HOUSE SERVED BY PUBLIC WATER? NO

| | |
|-----------|---|
| LOCATION: | Install 4" house sewer line connection per the approved site plan. |
| NOTES: | This permit is limited to the installation of the individual house sewer line connection and installation of the grinder pump, if applicable. The Howard County Bureau of Utilities must be contacted for scheduling of inspection of these items as well, at 410-313-4900. |

PLANS APPROVED: Dana Bernard DATE: 8/7/12

PERMIT VOID AFTER 2 YEARS

1. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS.
2. ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED.
3. MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED.
4. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT.
5. NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
6. PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 FOR INSPECTION HOUSE CONNECTION

NOT TO SCALE

Simplex
Grinder
Pump

131'

← 4" SHC

Garage

Garage

ROAD NAME

~190'

PRE-CONSTRUCTION:

H0-95-2002

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

NUMBER OF TRENCHES _____
TOTAL LENGTH _____
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL _____
DISTRIBUTION BOX BAFFLE _____
DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

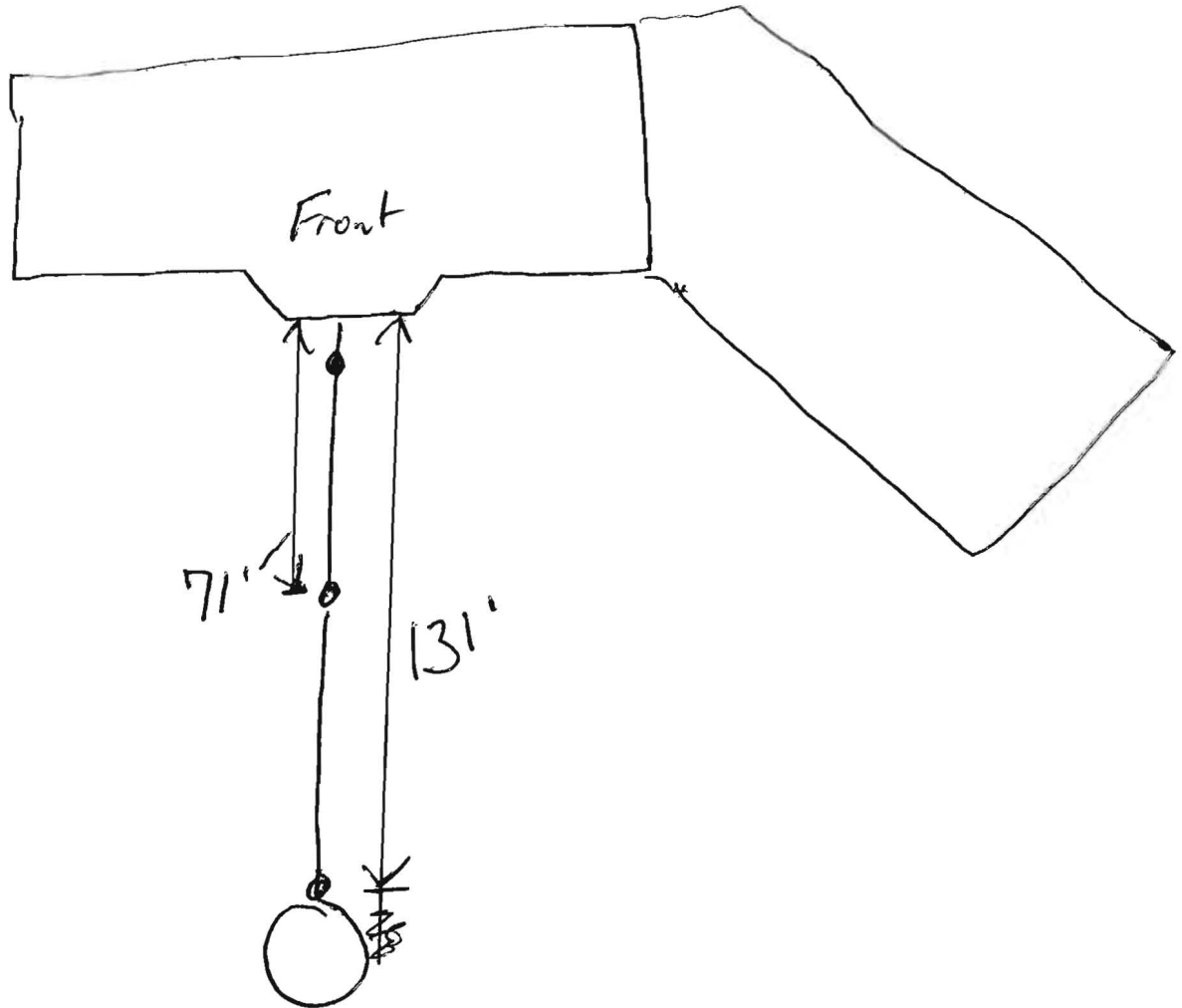
10/2/12 (AM) Heavy rain. Contractor called ok to cover SHC. Take pictures of work. Contractor stated pipe is straight shot out from house to grinder pump. OK to cover. Site visit when rain stops to INSTALLATION: confirm c/o's in place and connection @ house and grinder pump. (K)
10/2/12 (PM) Site visit made. C/O's shown as per contractor noted. Everything covered. Need p/A test of grinder pump for final approval (K)

FINAL INSPECTOR _____ DATE OF APPROVAL _____

6498 Prestwick Drive

Lot 3

Willow Pond (Sewer)



Kevin Wolf

W: Now Pond Lot 3 sewer



Willow Pond Lot 3 Sewer



Bricker, Robert

From: Tudor, Matt
Sent: Friday, May 30, 2014 2:07 PM
To: Day, Lori; Geisert, Andrew
Cc: Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda; Tudor, Matt; Williams, Jeffrey; Bozzell, Duane
Subject: U&O Release

Yesterday afternoon, Duane Bozzell observed the start-up of a Sewage Grinder Pump at the Willow Pond Shared Septic System:

Willow Pond, Contract 50-4491-D
Greenfield Homes, Lot #3
6498 Prestwick Drive
Clarksville, MD 21029

The Sewage Grinder Pump test was successful; the Bureau of Utilities releases its hold on this property for U&O.

Matt
410-313-4934 office
410-978-1320 mobile

PERMANENT SEEDING NOTES

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

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking 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 (20.7 lbs./1000 s.f.) of 10-20-20 before seeding. Narrow or disc into upper 3 in. of soil.

SEEDING: Apply a mixture of Turf Type Tall Fescue (80%) and Hard Fescue (20%) in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding Summary shown on this sheet, apply straw mulch at rates and methods specified below and 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 Tex II, Acrylic DLR (Agra-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

Permanent Seeding Summary

| No. | Species | Application Rate (lb/acre) | Seeding Depth | Fertilizer Rate (10-20-20) | Lime Rate |
|-----|-------------------|----------------------------|---------------|----------------------------|-----------|
| 1 | Tall Fescue (80%) | 120 | 0.5 in. | 20/10/20 | 2000/acre |
| 2 | Hard Fescue (20%) | 30 | 0.5 in. | 20/10/20 | 1000/acre |

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking 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./1000 s.f.) of 10-10-10 before seeding. Narrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Darby or Rye plus Foxtail Millet 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. 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 Tex II, Acrylic DLR (Agra-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

Temporary Seeding Summary

| No. | Species | Application Rate (lb/acre) | Seeding Depth | Fertilizer Rate (10-10-10) | Lime Rate |
|-----|----------------------------------|----------------------------|---------------|-----------------------------|------------------------------|
| 1 | Darby or Rye plus Foxtail Millet | 150 (3 Silos/ 1000sq ft) | 1/4 in. | 600 lb/acre (150/1000sq ft) | 2 tons/acre (1000/1000sq ft) |

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 (410-313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the USEPA EROSION CONTROL AND SEDIMENTATION STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION (40 CFR 122.31).
- 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 USEPA EROSION CONTROL AND SEDIMENTATION STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION (40 CFR 122.31).
- 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.

| | |
|------------------------------------|-------------|
| Total Area | 3.078 Acres |
| Area Disturbed | 1.411 Acres |
| Area to be reseeded or planted | 0.286 Acres |
| Area to be vegetatively stabilized | 1.195 Acres |
| Total Cut | 11,000 CFT |
| Total Fill | 11,000 CFT |

- 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 all sites with disturbed areas, in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of other earth disturbance or grading. This 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.

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 7-19-12
SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATE

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

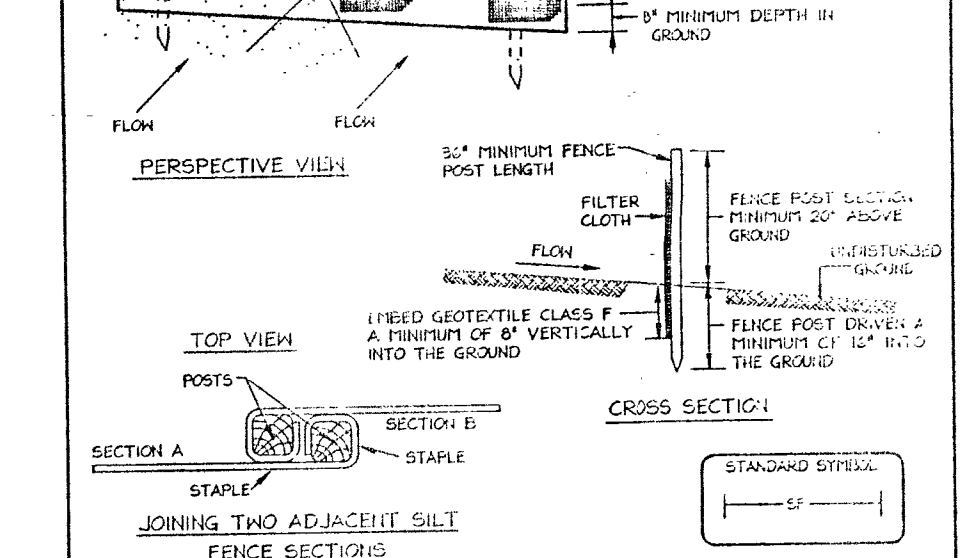
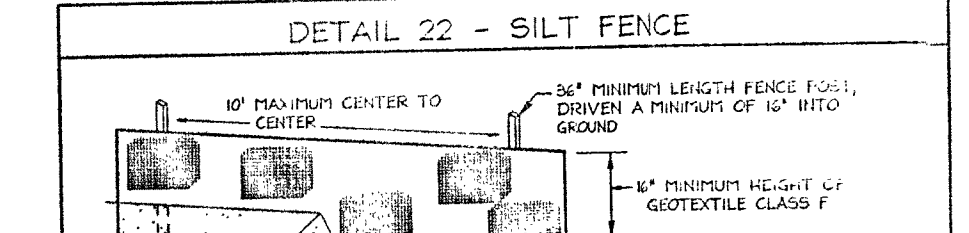
[Signature] 7/18/12
SIGNATURE OF ENGINEER DATE
MICHAEL L. TAYLOR, P.E.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

[Signature] 7/19/12
HOWARD SCD DATE

SOILS LEGEND

| SYMBOL | NAME / DESCRIPTION | SOIL GROUP |
|--------|---|------------|
| GHE | Gladstone loam, 3 to 8 percent slopes | B |
| GHC | Gladstone loam, 8 to 15 percent slopes | B |
| GHB | Glenville-Balle silt loams, 0 to 8 percent slopes | C |

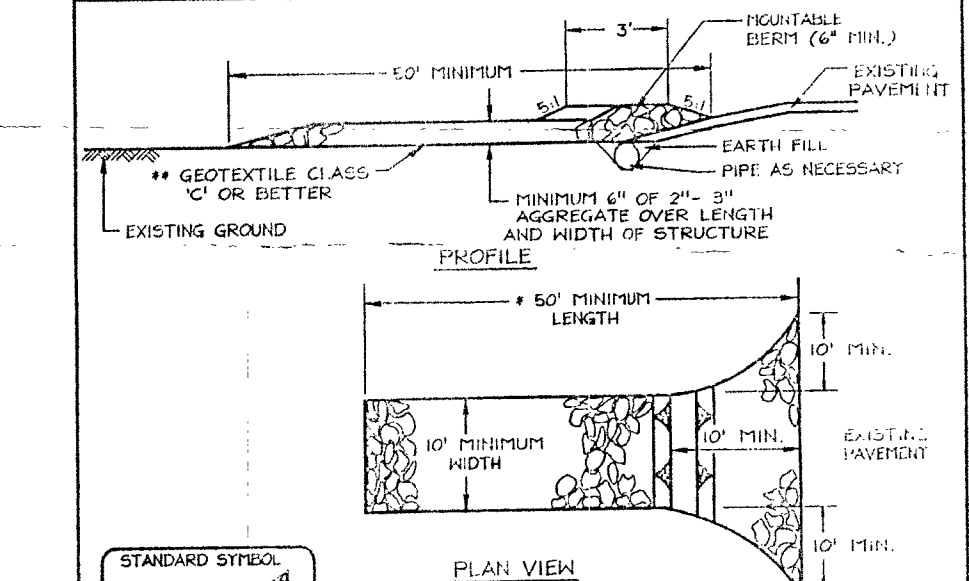


Construction Specifications

- Fence posts shall be a minimum of 3/4" diameter, 12" minimum into the ground and shall be spaced at 10' intervals. All fence posts shall be galvanized steel pipe with a minimum wall thickness of 0.045 inches. Posts shall be secured to the ground with a minimum of 10" diameter galvanized steel pipe.
- 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:

| | | |
|----------------------|--|---------------|
| Tensile Strength | 50 lb/in (min.) | Test: PMT 304 |
| Tensile Elongation | 20 lb/in (min.) | Test: PMT 304 |
| Flow Rate | 0.5 gal ft ² /minute (max.) | Test: PMT 302 |
| Filtering Efficiency | 75% (min.) | Test: PMT 322 |
- 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 repaired when holes occur or when sediment accumulation reaches top of the fabric.

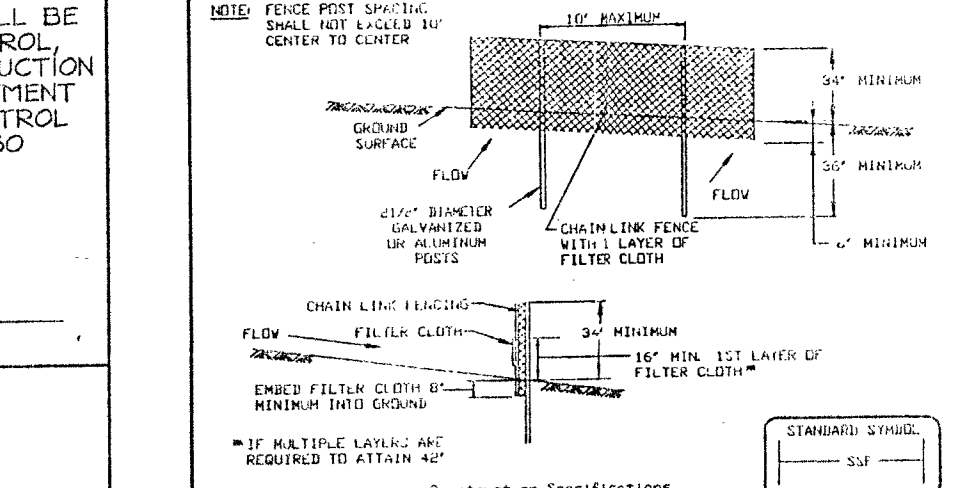
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



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 stone shall be placed in layers over the geotextile fabric. The stone shall be placed in layers over the geotextile fabric. The stone shall be placed in layers over the geotextile fabric.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete fragments 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 piped through the entrance, maintaining positive drainage. The pipe shall be installed in a trench at least 6" above the pipe. The pipe has to be term with 3:1 slopes and a minimum of 6" of stone over the pipe. The pipe has to be used according to the drainage. When the pipe is located at a high spot it 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.

DETAIL 33 - SUPER SILT FENCE



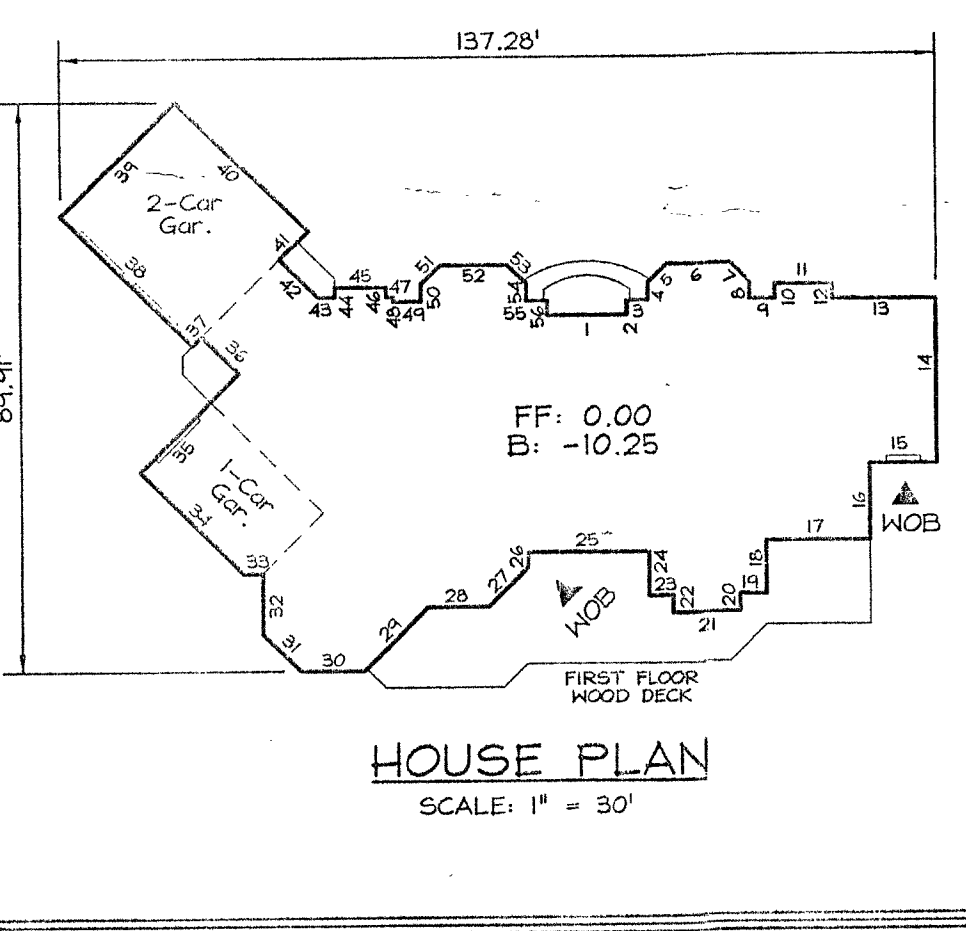
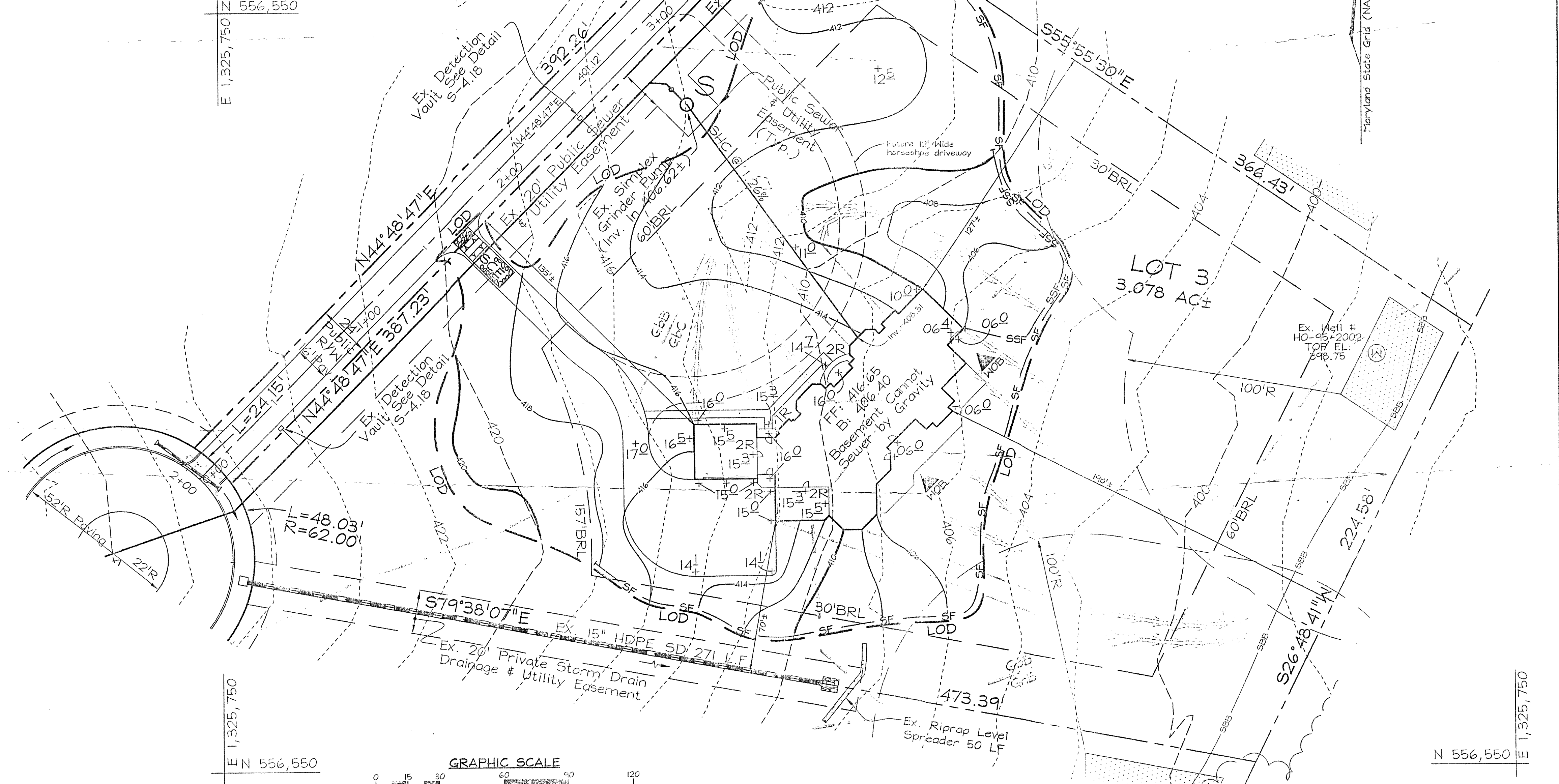
Construction Specifications

- Fencing shall be 40" in height constructed in accordance with the latest Maryland State Highway Design Manual for Drain Line Fencing. The specifications for a 4" fence shall be used, substituting 4" fabric and 4" length.
- Chain link fence shall be fastened securely to the fence posts with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

| | | |
|----------------------|--|---------------|
| Tensile Strength | 50 lb/in (min.) | Test: PMT 304 |
| Tensile Elongation | 20 lb/in (min.) | Test: PMT 304 |
| Flow Rate | 0.5 gal ft ² /minute (max.) | Test: PMT 302 |
| Filtering Efficiency | 75% (min.) | Test: PMT 322 |
- Filter cloth shall be fastened securely to the chain link fence with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

| | | |
|----------------------|--|---------------|
| Tensile Strength | 50 lb/in (min.) | Test: PMT 304 |
| Tensile Elongation | 20 lb/in (min.) | Test: PMT 304 |
| Flow Rate | 0.5 gal ft ² /minute (max.) | Test: PMT 302 |
| Filtering Efficiency | 75% (min.) | Test: PMT 322 |
- Filter cloth shall be calculated a minimum of 8" into the ground.
- When two sections of filter cloth abut each other, they shall be overlapped by 6" and fastened.
- Maintenance shall be performed as needed and shall include removal with "rip-rap" device in the silt fence, or when it reaches 50% of fence height.
- Filter cloth 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:

| | | |
|----------------------|--|---------------|
| Tensile Strength | 50 lb/in (min.) | Test: PMT 304 |
| Tensile Elongation | 20 lb/in (min.) | Test: PMT 304 |
| Flow Rate | 0.5 gal ft ² /minute (max.) | Test: PMT 302 |
| Filtering Efficiency | 75% (min.) | Test: PMT 322 |



HOUSE LINE TABLE

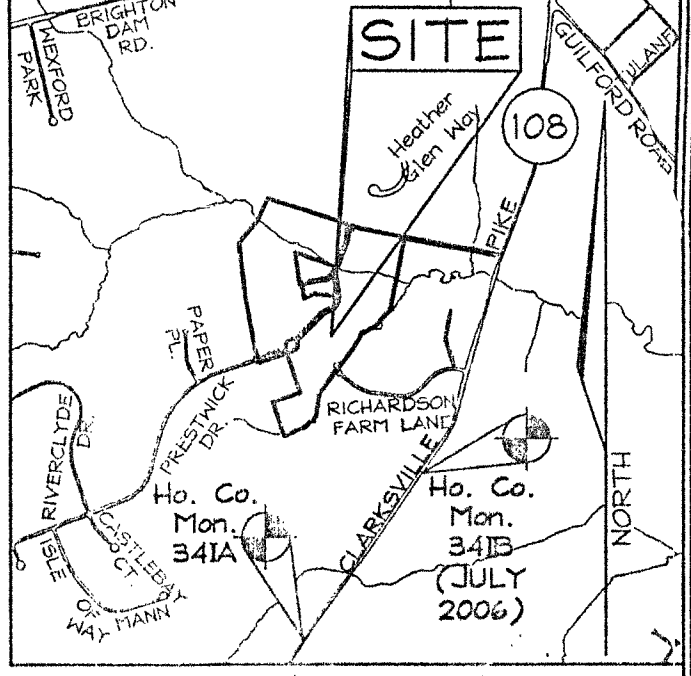
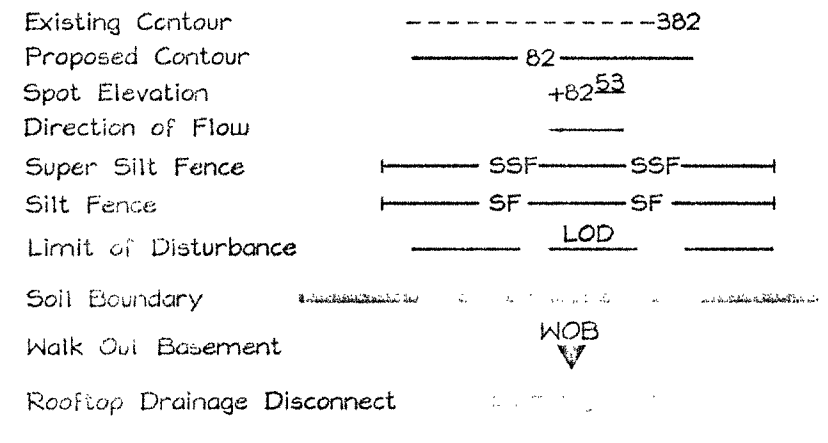
| LINE DIST. FT. | LINE DIST. FT. |
|----------------|----------------|
| 1 | 12.46 |
| 2 | 2.28 |
| 3 | 2.76 |
| 4 | 4.24 |
| 5 | 4.24 |
| 6 | 3.56 |
| 7 | 3.56 |
| 8 | 3.00 |
| 9 | 2.28 |
| 10 | 2.28 |
| 11 | 16.26 |
| 12 | 2.28 |
| 13 | 2.28 |
| 14 | 2.28 |
| 15 | 10.50 |
| 16 | 2.28 |
| 17 | 16.26 |
| 18 | 8.71 |
| 19 | 16.26 |
| 20 | 2.28 |
| 21 | 10.50 |
| 22 | 2.28 |
| 23 | 2.28 |
| 24 | 2.28 |
| 25 | 2.28 |
| 26 | 2.28 |
| 27 | 2.28 |
| 28 | 2.28 |
| 29 | 2.28 |
| 30 | 15.00 |
| 31 | 8.42 |
| 32 | 2.28 |
| 33 | 3.00 |
| 34 | 22.64 |

GEODETIC CONTROL STATIONS

Coordinates shown herein 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. 341B N 664,475.544 E 1,325,838.75 Elev. 471.76 (NAVD 83)

LEGEND



GENERAL NOTES

- This property is zoned "RR-DE0" per the 02/02/04 Comprehensive Zoning Plan and the Comp Lite Zoning Regulations Amendments effective 07/28/06.
- Total area of property = 3.078 Ac.
- Private well water and public shared 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 Surveys with five foot contours.
- A stockpile will not be permitted on site.
- Storm Water Management for CP, 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. #34684, Expiration Date: 7/08/2013.

PLOT PLAN

WILLOW POND LOT 3

Plat #21630


TAX MAP 84 GRID 17
5TH ELECTION DISTRICT

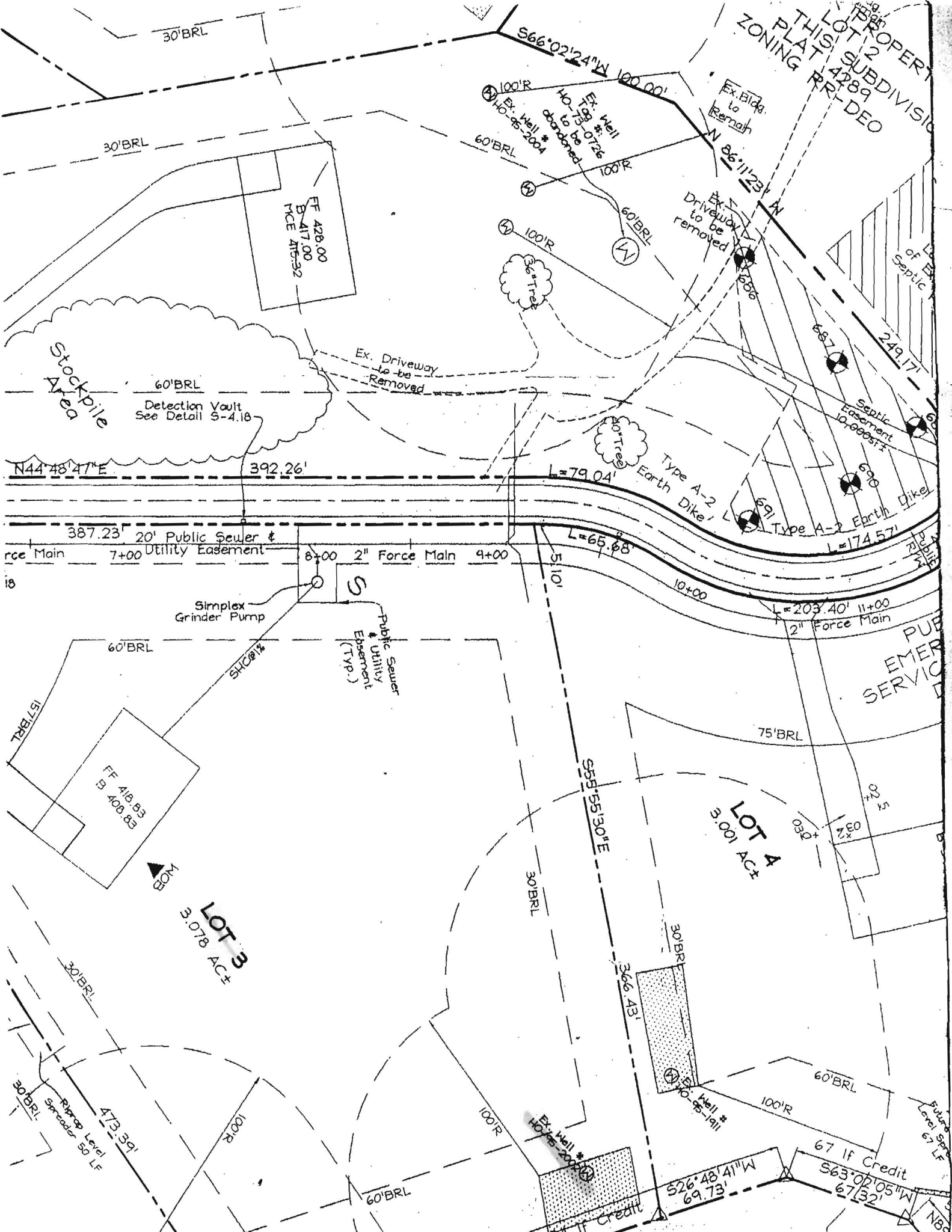
PARCEL 382
HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
6399 Howard Lane, Elridge, MD 21075
Tel: 410-587-5200 Fax: 410-798-1562
E-mail: info@fsh.com

DESIGN BY: CRH2
DRAWN BY: CRH2
CHECKED BY: ZTF
SCALE: 1" = 30'
DATE: July 18, 2012
W.O. No.: 3199
SHEET No.: 1 OF 1

Chain of Custody

| | | | | | | |
|---|----------------------|---|--|---------------------------------|-------------------------|--|
|  | | Florida Radiochemistry Services, Inc. | | | FL Certification E83033 | |
| | | 5456 Hoffner Ave., Suite 201 Orlando, FL. 32812 | | | | |
| | | Ph.(407)382-7733 | | | | |
| | | Fax(407)382-7744 | | | | |
| | | Email: flradiochemistry@cfl.rr.com | | | | |
| Company Name: | | Howard County Health Dept | | | Phone # (410) 313-1773 | |
| Address: | | 7178 Columbia Gateway Dr | | | Fax # (410) 313-2648 | |
| City / State / Zip | | Columbia, MD 21046 | | | | |
| Send Report to: | | Beet Nixon | | | | |
| Additional Report: | | Michael Johnson | | | | |
| Invoice to: | | Beet Nixon, ext 1785 | | | | |
| Project I.D. | | | | | | |
| P.O. # | | | | | | |
| Sample I. D. | | Date / Time Sampled | | Sample # of | Pres. | Analysis |
| (Sample Location) | | | | Type | Btls | Requested |
| 1 | HOMS 2002 PST LTSD | 4/7/11 / 11:30 AM | | Treat | 1 | HNO ₃ Alpha/Beta Long Sediment |
| 2 | HOMS 2002 PST LTWSBO | 4/7/11, 11:30 AM | | Treat | 1 | HNO ₃ Alpha/Beta Long Softner, RO |
| 3 | HOMS 2002 PSTWS | 4/7/11, 11:30 AM | | Treat | 1 | HNO ₃ Radium 226/228 Softner |
| 4 | HOMS 2002 PST LTWS | 4/7/11, 11:30 AM | | Treat | 1 | HNO ₃ Alpha/Beta Long Softner |
| 5 | HOMS | | | | | |
| 6 | HOEB2002 | 4/7/11, 11:30 AM | | RAW | 1 | HNO ₃ Field Blank |
| 7 | HE12336-L | 4/11/11, 9:30am | | RAW | 1 | HNO ₃ Alpha/Beta Long Neutralizer |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| Relinquished by: | | Date/Time | | Sampled By: | | |
| Received by: | | Date/Time | | Michael Johnson 410-313-1781 | | |



30' BRL

30' BRL

60' BRL

N44°48'47"E

392.26'

387.23' 20' Public Sewer & Force Main Utility Easement

8+00 2" Force Main 4+00

L=79.04'

L=65.68'

L=174.57'

L=203.40' 11+00 2" Force Main

60' BRL

15' BRL

FF 418.83
B 408.83

SOM

LOT 3
3.078 AC±

S55°55'30"E

30' BRL

LOT 4
3.001 AC±

75' BRL

30' BRL

366.43'

30' BRL

FF 418.83
B 408.83

100' R

60' BRL

67 If Credit

S26°48'41"W
69.73'

S63°01'05"W
67.32'

30' BRL
473.39'

30' BRL

60' BRL

100' R

Future Septic Level 67 LF

N88°

THIS PROPERTY IS ZONED RR-DEO
LOT 2 SUBDIVISION PLAT 4289

100' R
Ex. Well * 10-45-2004
Ex. Well * 10-73-0726
to be abandoned

Ex. Bldg. to Remain

Ex. Driveway to be removed

Ex. Driveway to be removed

Type A-2 Earth Dike

Type A-2 Earth Dike

Septic Easement 10' 00" x 3' 00"

687'

249.17'

690'

691'

692'

693'

694'

695'

696'

697'

698'

699'

700'

701'

702'

703'

704'

705'

706'

707'

708'

10495 Prestwick Drive
0498

Clerk of the Circuit Court for
Howard County
Land Records/Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====
LR - Agreement Recording Fee
1x 20.00 20.00
Grantor/Grantee Name: Hong
Reference/Control #: 39
LR - Agreement Surcharge
1x 40.00 40.00
LR - Agreement Recording Fee
1x 20.00 20.00
Grantor/Grantee Name: Green
Reference/Control #: 40
LR - Agreement Surcharge
1x 40.00 40.00
=====
SubTotal: 120.00
Total: 120.00
=====
REV-Check-BOA 120.00
Number : 8134

07/30/2014 07:59 CC13-MN
#3100480 /494/109
Thank you for visiting us today~

pipe depth less than two feet) and has been field verified or field run.

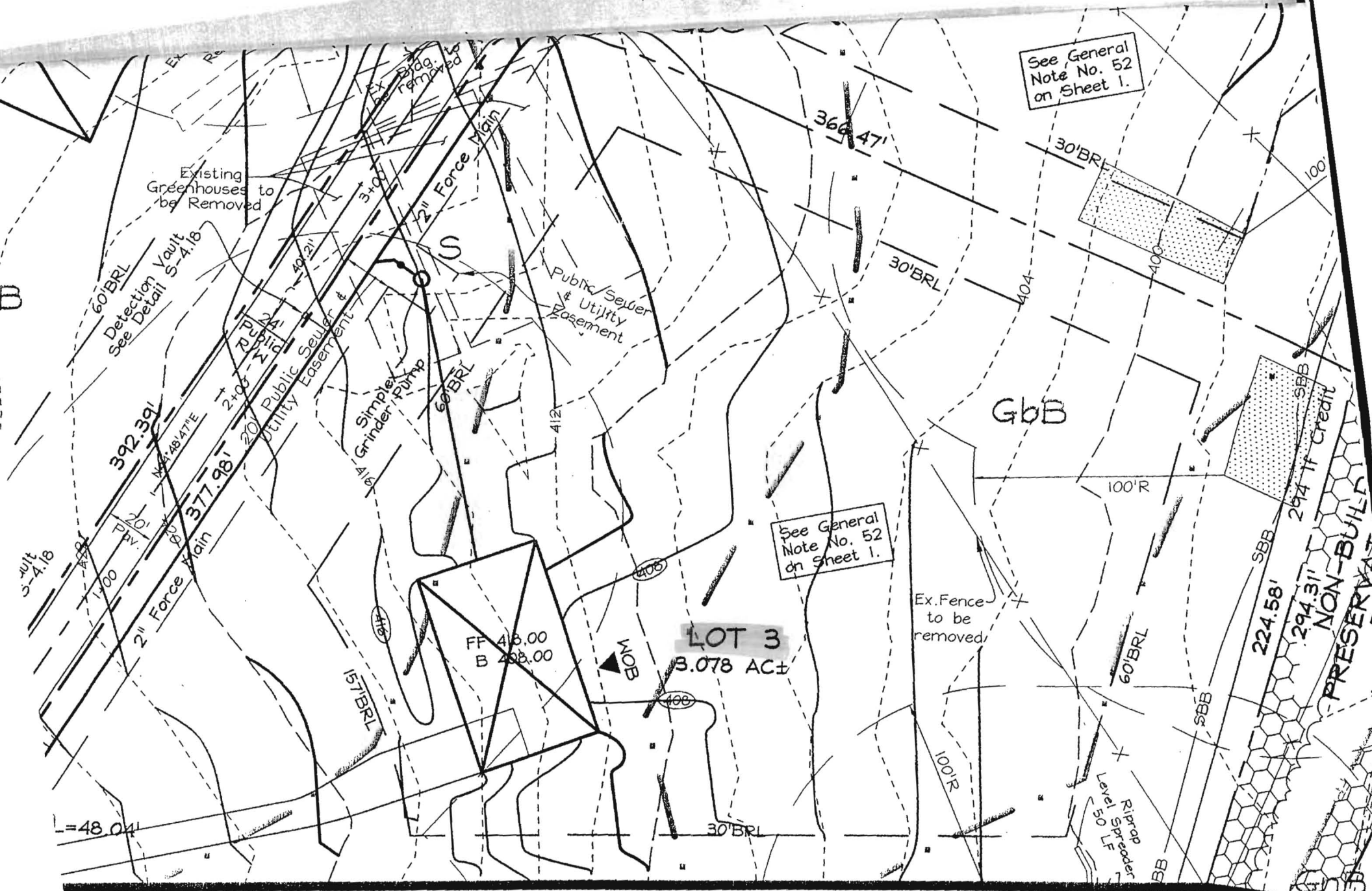
47. Any changes to a private sewage area shall require a revised perc certification plan.
48. If applicable, groundwater appropriations permit shall be obtained prior to plat recordation.
49. Public Shared Septic Design Flow Calculation:
3 homes with 4 bedrooms = $4 \times 150 \times 3 = 1,800$ gal/day
50. Lot yield is dependent upon nitrogen balance study (if over 5,000gpd then add groundwater mounding and hydrologic balance studies)
51. Lot yield and bedroom counts are subject to review by Maryland Department of the Environment, Bureau of Utilities, and the Howard County Health Department when the water and sewer contract plans with the shared sewage disposal system are submitted.
52. Maryland Department of the Environment has approved the variance to allow the shared sewage disposal system located on Non-Buildable Pres. 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; allowing 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. This is subject to the following conditions: 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. A low pressure dosing system will be required for the shared sewage disposal system.

| SHEET |
|----------|
| 1 of 14 |
| 2 of 14 |
| 3 of 14 |
| 4 of 14 |
| 5 of 14 |
| 6 of 14 |
| 7 of 14 |
| 8 of 14 |
| 9 of 14 |
| 10 of 14 |
| 11 of 14 |
| 12 of 14 |
| 13 of 14 |
| 14 of 14 |

| SIZE |
|------|
| ± |
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| ± |
| ± |
| ± |

OWNER/

UNACKED PROPERTY



Willow Pond
Signed SP-09-03 (2-4-2010)

SEE SHEET 2

E 1

ORIG MAILED 4/14/11

Invoice



Bureau of Environmental Health
Attn: Bert Nixon, Director

DATE: APRIL 14, 2011
DATE OF SERVICE: APRIL 7, 2011
INVOICE #: 2011-003

7178 Columbia Gateway Drive, Columbia, MD 21046-2147
Phone 410-313-2640 Fax 410-313-2648
www.hchealth.org

BILL TO Greenfield Homes Inc.
6656 Luster Drive
Highland, Maryland 20777

COMMENTS Payment due upon receipt. Letter and results will be released upon receipt of payment.

| DATE | DESCRIPTION | BALANCE | AMOUNT |
|-----------|--|-------------|-------------------|
| 4/07/2011 | Gross alpha/beta long term testing after sediment, softener and R/O treatments performed for Willow Pond, Lot # 3 field test HO-95-2002 | 3 @ \$30.00 | \$ 90.00 |
| 4/07/2011 | Gross alpha/gross beta field blank | | \$ 30.00 |
| 4/07/2011 | Radium 226/228 for Willow Pond Lot #3 | | \$ 135.00 |
| | | | AMOUNT DUE |
| | | | \$ 255.00 |

Please detach and return with payment to Howard County Health Department.

| REMITTANCE | |
|------------------|----------------------|
| Invoice # | 2011-003 |
| Site Information | Willow Pond, Lot # 3 |
| Amount Due | \$ 255.00 |
| Amount Enclosed | |

Make all checks payable to: **The Director of Finance**