

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

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/12/12 **ONSITE SEWAGE DISPOSAL SYSTEM** P 544434

INSTALLATION APPROVAL DATE: 2/6/2013 **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 13566 Mitchells Way

SUBDIVISION: Cloverfield LOT: 11 TAX ID: 03-348865

CONTRACTOR: WTC Contractors EMAIL: _____

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westinster, MD 21157 PHONE: 410-258-7024

PROPERTY OWNER: Cloverfield EMAIL: _____

OWNER ADDRESS: 11175 Stratfield Court, Marriottsville, MD 21104 PHONE: 410-442-2211

SEPTIC TANK SIZE (GALLONS): 2000

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. 7,699 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>207.5 185'</u>	INLET DEPTH: <u>35'</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>37'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set septic tank per layout inspection. Set distribution box at the highest point of the easement per layout inspection. Install 207.5 feet of trench on contour per layout inspection.	

ISSUED BY: Dana Bernard ISSUE DATE: 1/17/13 EXPIRATION DATE: 12/12/13

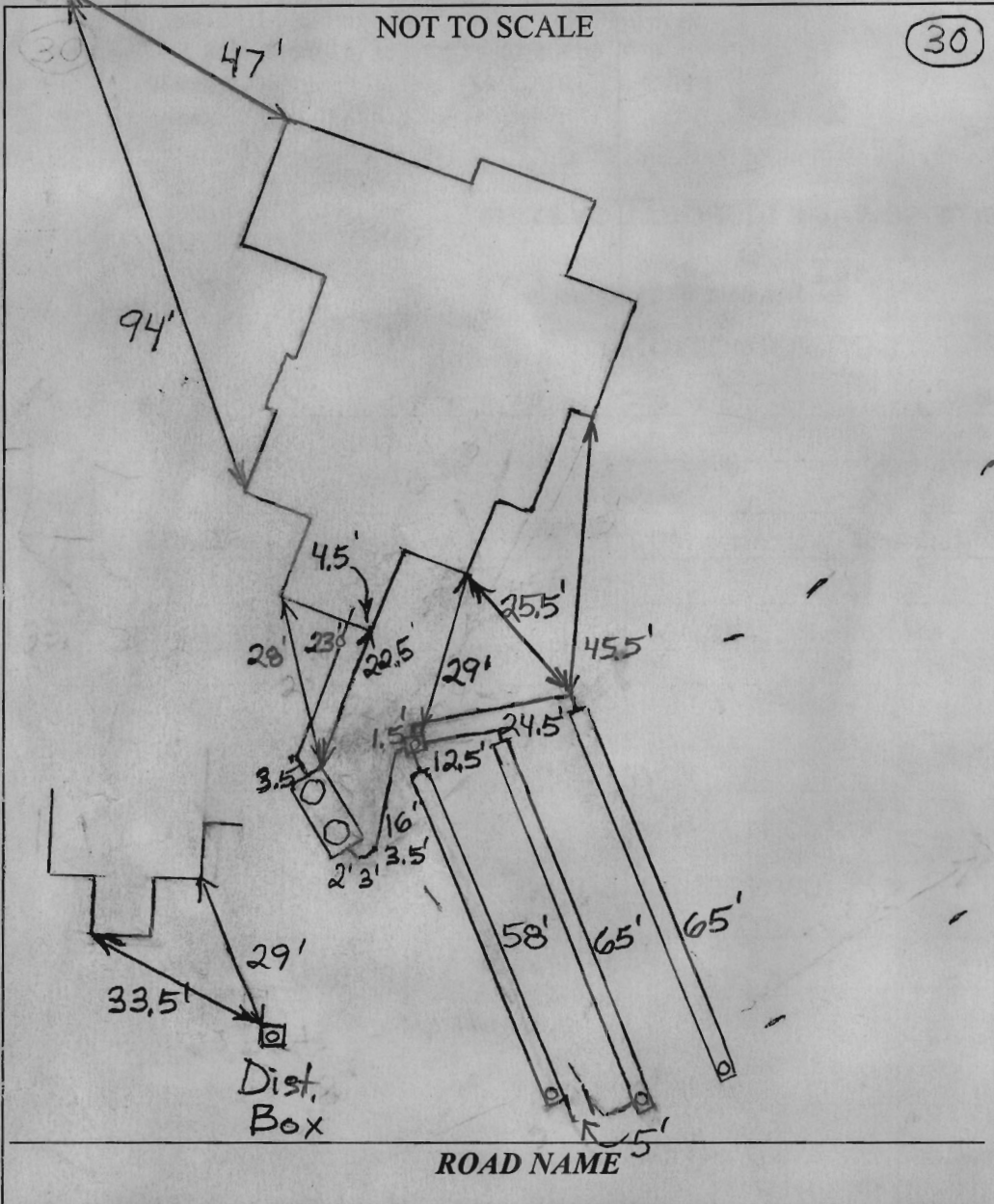
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

HO-95-0371

NOT TO SCALE

(30)



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES		3
TOTAL LENGTH		188'
ABSORPTION AREA		564 + Sidewall
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2.5-3'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	Yes
DATE ON LID	12/30/2012
PUMP/SEPTIC TANK LEVEL N/A	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

1/22/2013 Install a 55', 65' and 65' trench on contour across the highest part of the easement. O.K. to set the tank in the top corner of the house that is closest to the easement. (BB)

INSTALLATION: 2/6/2013 System finished O.K. to backfill. Installer only deepened trenches by 1'. (BB)

FINAL INSPECTOR

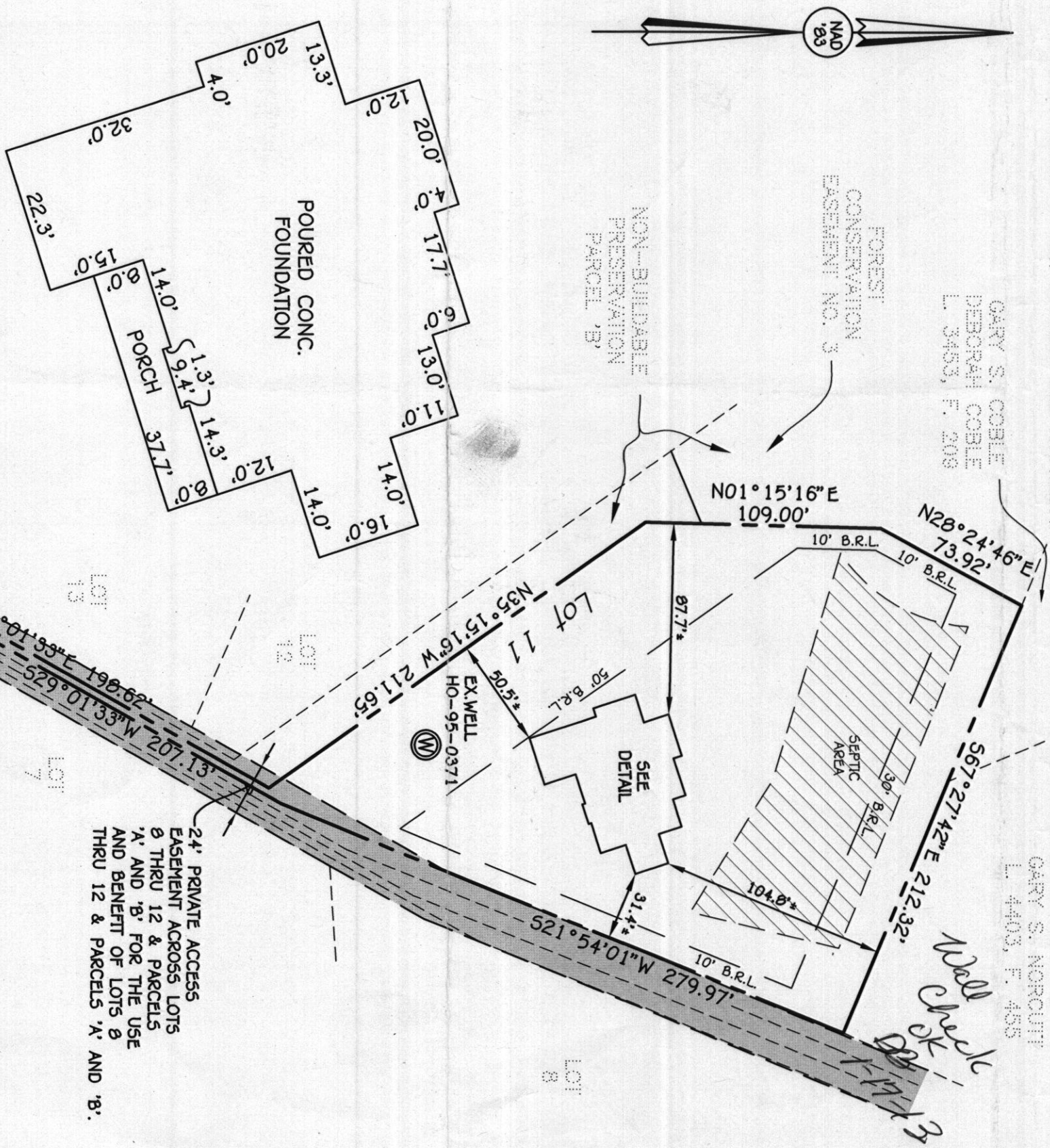
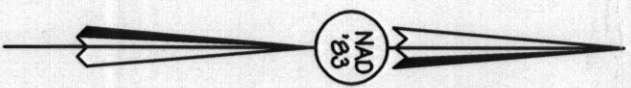
B. Baker

DATE OF APPROVAL

2/6/2013

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER. FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON, UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440015 B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.4' (*)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELLS(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0371) HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) BUILDING PERMIT #B12003070
- 7) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/14/2014.



DETAIL
SCALE: 1"=20'



Mark L. Robel
PROFESSIONAL LAND SURVEYOR
REG. # 339
DATE 11/29/12

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855

**HOUSE LOCATION
DRAWING**

LOT 11
CLOVERFIELD
LOTS 1-21, BUILDABLE
PRESERVATION PARCEL A,
NON-BUILDABLE PRESERVATION
PARCELS B-E & NON-BUILDABLE
BULK PARCEL F
3RD ELECTION DISTRICT
PLAT #18953-18959
#13566 MITCHELLS WAY
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. = 580.7'

LOT 12
LOT 13

LOT 8
LOT 9
LOT 10

MITCHELLS WAY
PUBLIC ACCESS STREET
50' R/W
R=1,825.00'
L=3,443'

10' PUBLIC TREE
MAINTENANCE
EASEMENT

24' PRIVATE ACCESS
EASEMENT ACROSS LOTS
8 THRU 12 & PARCELS
'A' AND 'B' FOR THE USE
AND BENEFIT OF LOTS 8
THRU 12 & PARCELS 'A' AND 'B'.

HOUSE LOCATION
DRAWING

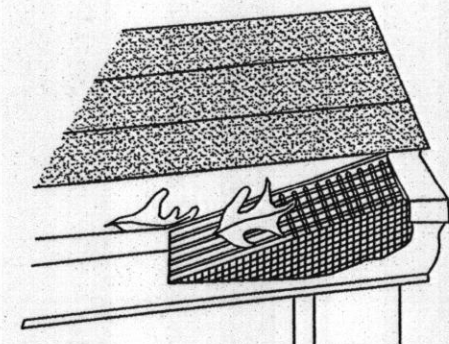
FOUNDATION LOCATION: 11/28/12
FINAL LOCATION:
BOUNDARY SURVEY:

SCALE: 1"=60'
DATE: 11/29/12
DRAWN BY: AKO
CHECKED BY: MLC
PROJECT No.: 05134-6001

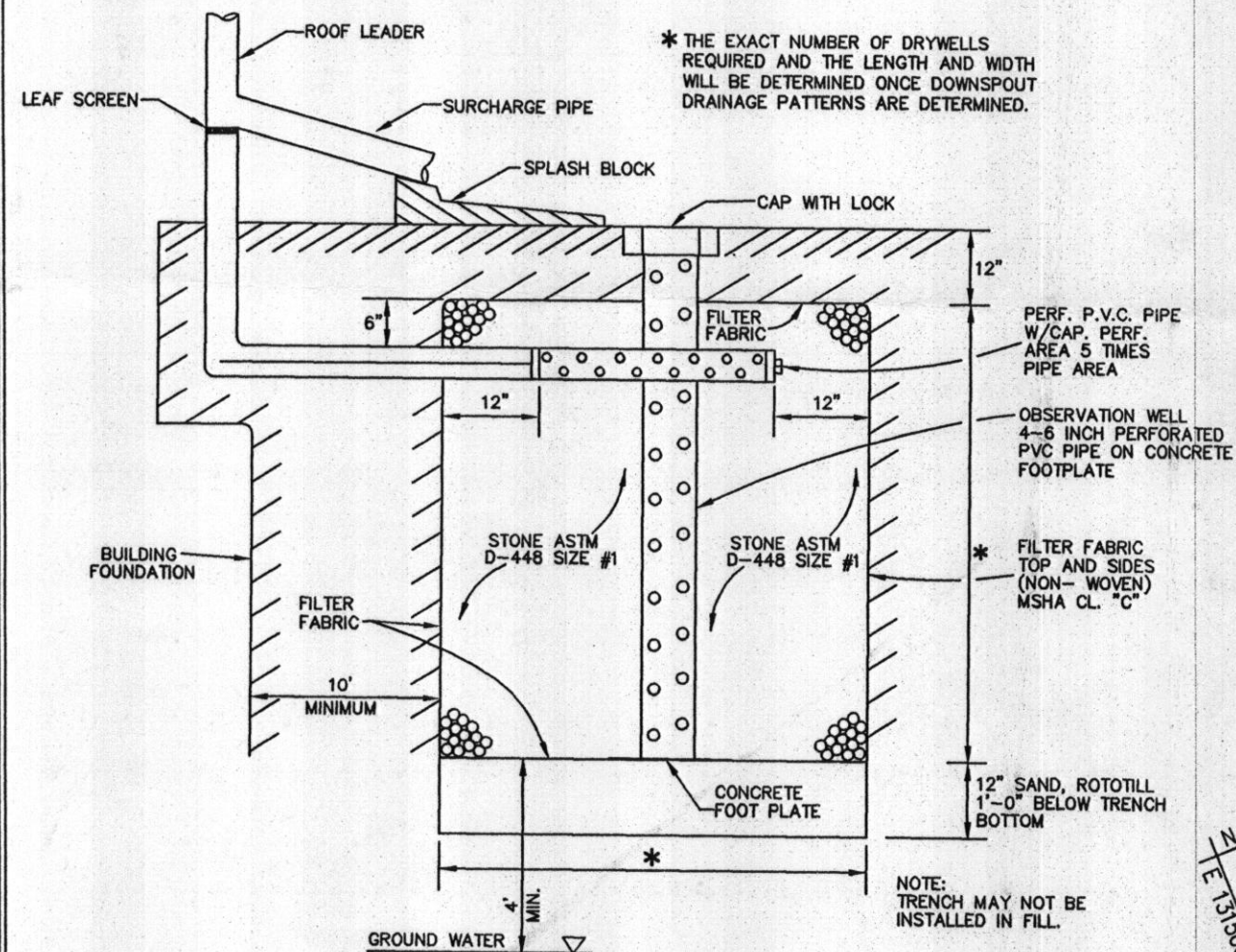
GARY S. COBLE
DEBORAH COBLE
L. 3453, F. 209

GARY S. NORRUITT
L. 4403, F. 455

*Well Check
Done by
11/17/12*



GUTTER DRAIN FILTER DETAIL
NOT TO SCALE



DRY WELL DETAIL
NOT TO SCALE

LOT NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	L W D
LOT 11	500 SQ.FT. OR LESS	50.0 CF	54.0 CF	100%	6'x4.5'x5'
LOT 11	500 SQ.FT. OR LESS	80.0 CF	80.0 CF	100%	8'x5'x5'

STORMWATER MANAGEMENT NOTES

1. STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL EFFECTIVE MAY 4, 2010.
2. MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE LESS THAN 500 SQ. FT.
3. DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5% THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE FIGURE 5.2 OF THE MANUAL AND THE DETAIL SHOWN ON THIS SHEET.
4. FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRYWELLS (M-5)

- a. The owner shall inspect the monitoring wells and structures on a quarterly basis and after every heavy storm event.
- b. The owner shall record the water levels and sediment build up in the monitoring wells over a period of several days to insure trench drainage.
- c. The owner shall maintain a log book to determine the rate at which the facility drains.
- d. When the facility becomes clogged so that it does not drain down within a seventy two (72) hour time period, corrective action shall be taken.
- e. The maintenance log book shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
- f. Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
X362.5	SPOT ELEVATION
---	EXISTING SUPER SILT FENCE
-SS-SS-	SUPER SILT FENCE
LOD	LIMITS OF DISTURBANCE
WDB	WALKOUT BASEMENT
🌳	EXISTING STREET TREES FROM F-01-091

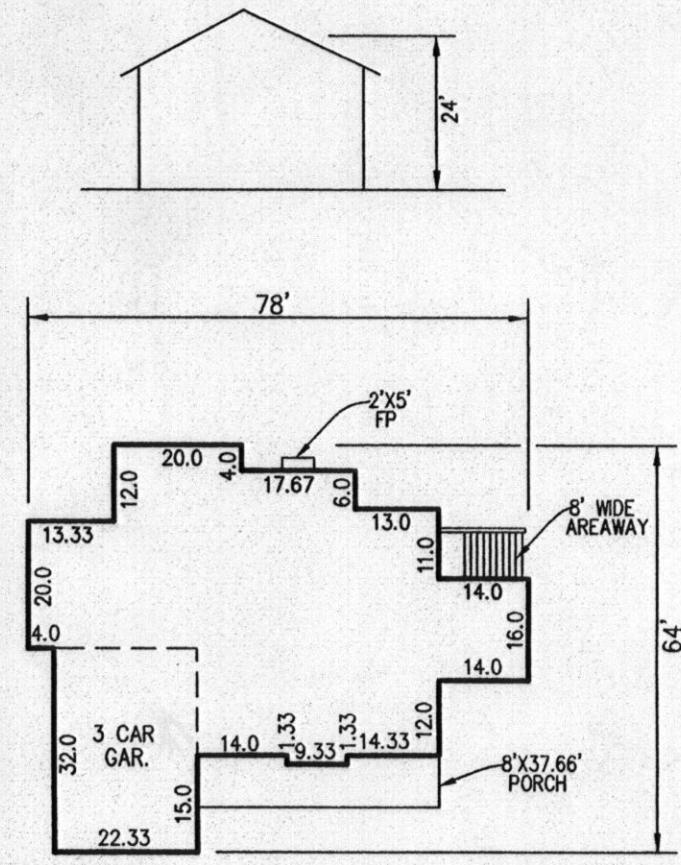
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10271 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-3555



VICINITY MAP
SCALE: 1" = 2,000'
HO. CO. ADC MAP NO. 4813, GRID 2-B

- GENERAL NOTES**
1. SUBJECT PROPERTY ZONED: RC-DEO
 2. TOTAL AREA OF PROPERTY: 47,593 SQ.FT.
 3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
 4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
 6. FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC. ON APRIL, 2002.
 7. NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
 8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
 9. STORMWATER MANAGEMENT (SWM) IS BEING PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER MANAGEMENT (MDE) DESIGN MANUAL, VOLUMES I AND II. IT WAS DETERMINED THIS PROJECT MET CRITERIA OUTLINED IN THE MDE SWM MANUAL FOR IMPLEMENTATION AND ACCEPTANCE UNDER THE 2000 DESIGN CRITERIA BECAUSE THE PLAN RECEIVED FINAL PLAN APPROVAL UNDER F-06-110 ON OCT. 13, 2006 AND WILL REQUIRE A SWM ADMINISTRATIVE WAIVER. THIS PLAN IS SUBJECT TO THE EXPIRATION OF THE WAIVER UNLESS ALL SWM IS CONSTRUCTED BY MAY 4, 2017. THE SWM WILL BE PRIVATELY OWNED AND MAINTAINED UNDER INDIVIDUAL DECLARATION OF COVENANTS AND HAVE BEEN PROVIDED ON LOT 11 AS FOLLOWS:
LOT 11 - DRYWELLS (M-5) WILL TREAT RUNOFF FROM THE REAR OF THE HOUSE. RUNOFF FROM THE FRONT OF THE HOUSE AND DRIVEWAY WILL DRAIN TO BMP NO. 1 THAT WAS CONSTRUCTED UNDER F-06-110.

NOTE
THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 95-0371 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



WHITEHALL II
SCALE: 1" = 30'

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."

PROFESSIONAL CERTIFICATION

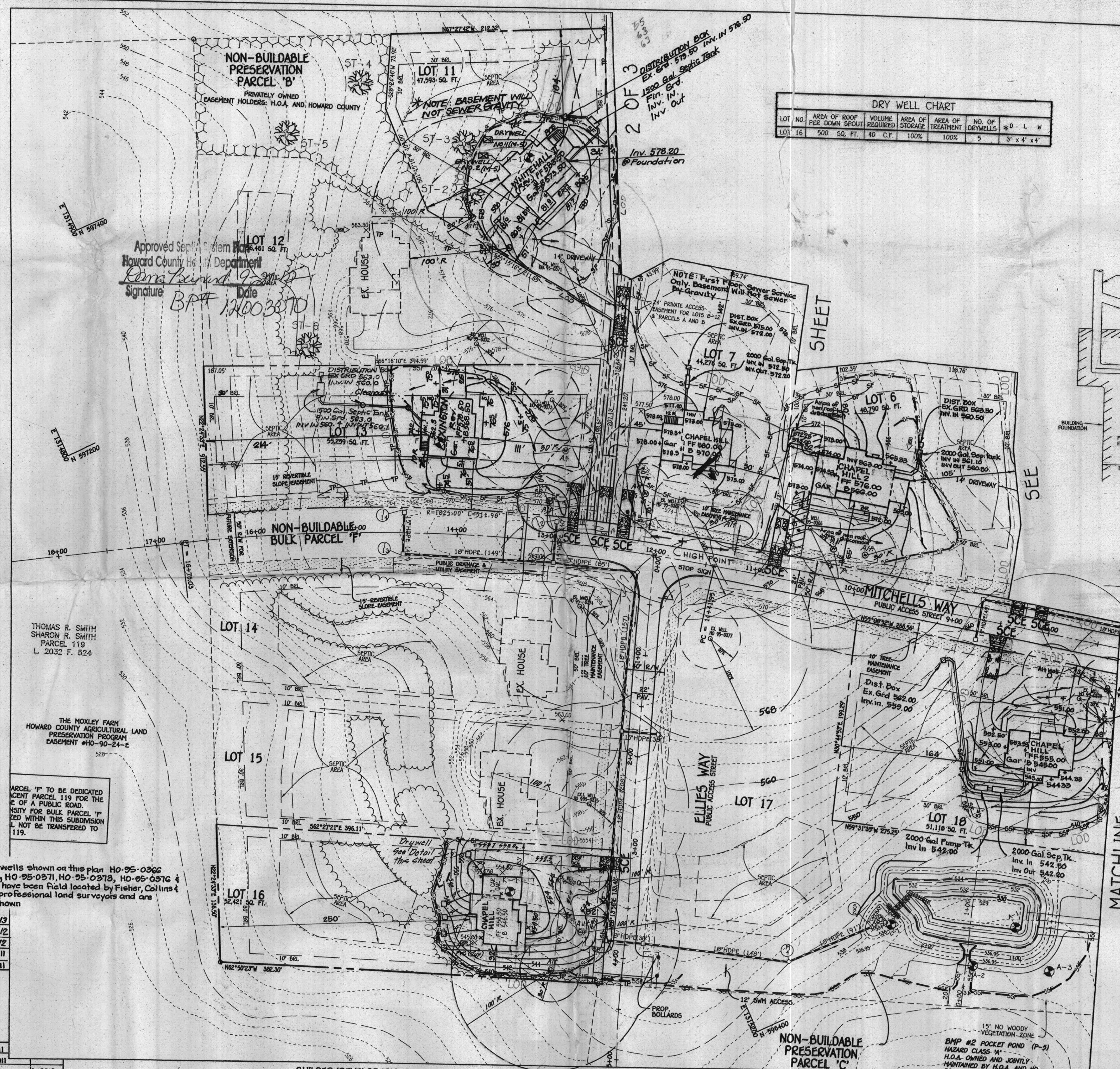
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9753, EXPIRATION DATE: 2/28/13."

BUILDER/DEVELOPER

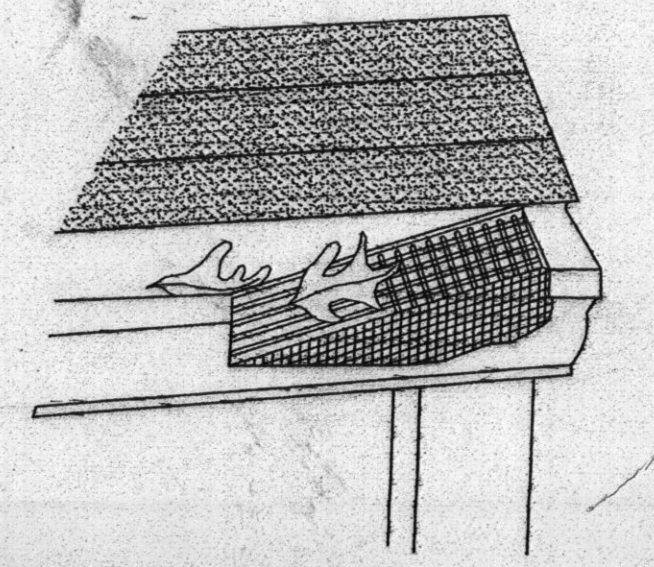
CATONSVILLE BUILDERS
11175 STRATFIELD COURT
MARRIOTTVILLE, MARYLAND 21104
410-442-2211

**SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL & STORMWATER MANAGEMENT PLAN
CLOVERFIELD
LOT 11**

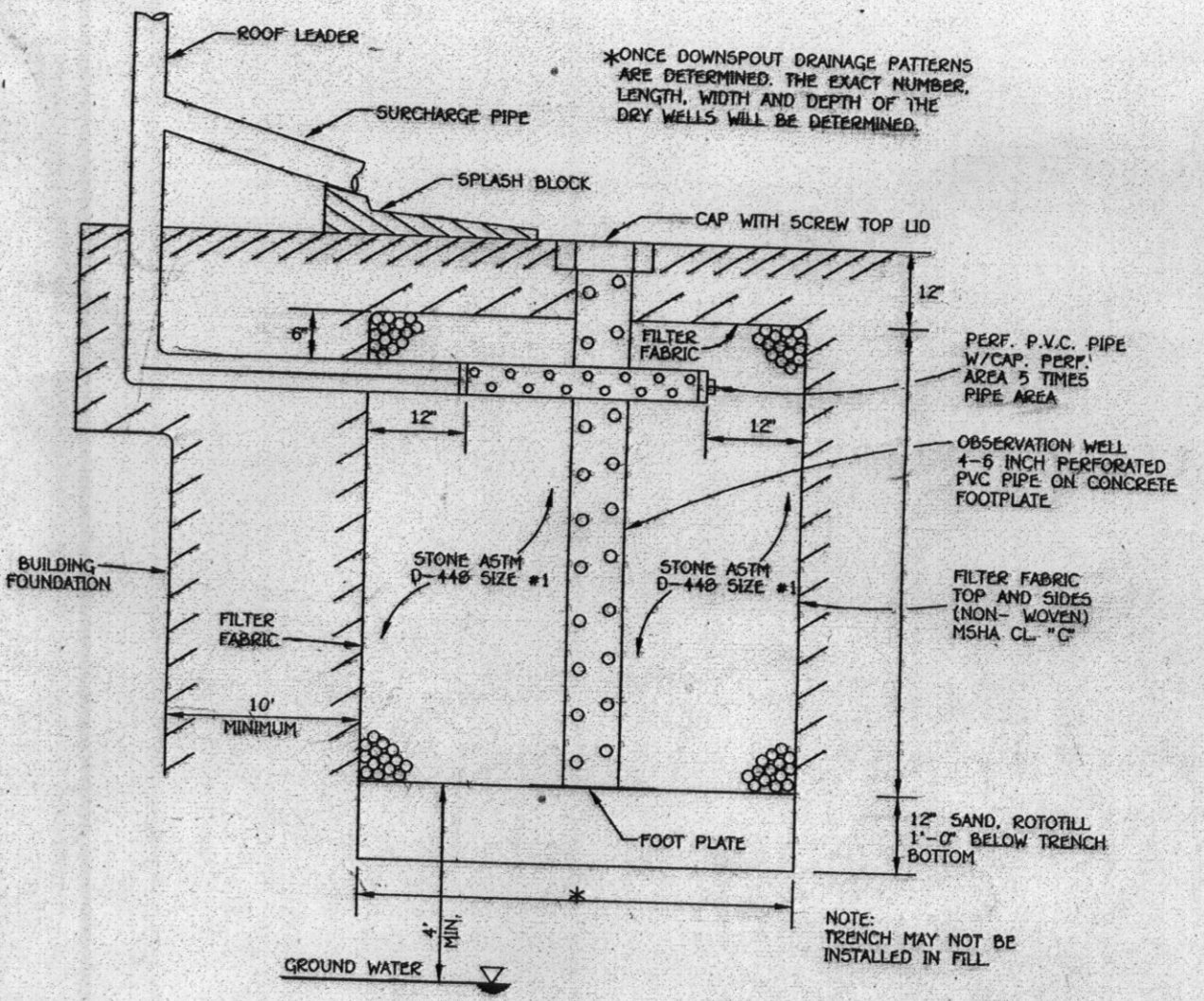
ZONED: RC-DEO PLAT NO. 18959
TAX MAP NO.: 15 PARCEL NO.: 4 GRID NO.: 8
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: SEPT., 2012



DRY WELL CHART						
LOT NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	AREA OF STORAGE	AREA OF TREATMENT	NO. OF DRYWELLS	*D * L * W
LOT 16	500 SQ. FT.	40 C.F.	100%	100%	5	3' x 4' x 4'



GUTTER DRAIN FILTER DETAIL
NOT TO SCALE



DRY WELL DETAIL
NOT TO SCALE

STORMWATER MANAGEMENT NOTES

1. STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5 "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL EFFECTIVE MAY 4, 2010.
2. MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 500 SQ. FT. OR LESS.
3. DRYWELL SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONTINUITY IS LESS THAN 75' AT 5%. THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.

Approved Sept. 11, 2010
 Howard County Health Department
 Signature: *[Signature]* Date: 12/03/10

THOMAS R. SMITH
 SHARON R. SMITH
 PARCEL 119
 L. 2032 F. 524

THE MOXLEY FARM
 HOWARD COUNTY AGRICULTURAL LAND
 PRESERVATION PROGRAM
 EASEMENT #HO-90-24-E

PARCEL "F" TO BE DEDICATED
 CENT PARCEL 119 FOR THE
 E OF A PUBLIC ROAD.
 VISIBILITY FOR BULK PARCEL "F"
 SHOWN WITHIN THIS SUBDIVISION
 SHALL NOT BE TRANSFERRED TO
 119.

NOTE:
 The existing wells shown on this plan HO-95-0366
 HO-95-0267, HO-95-0371, HO-95-0273, HO-95-0376 &
 HO-95-0378 have been field located by Fisher, Collins &
 Carter, Inc. professional land surveyors and are
 accurately shown

9	Rev. hsc. & grd. Lot 13	1-15-13
8	Add Septic Layout Lot 13	12-6-12
7	Rev. hsc. & grd. Lot 8 from Chapel Hill to Whitehall II	12-5-12
6	Rev. hsc. & grd. Lot 18 and design septic layout	11-18-11
5	Rev. hsc. Lot 6, per new arch. plans	6-9-11

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. 9793, EXPIRATION DATE: 2/28/10.

[Signature] 3/19/10
 CARL D. COLLINS DATE

4	Add drywells & detail for Lot 16	2-24-11
3	Rev. Lot 16, Chapel Hill per new arch. plans	2-1-2011
2	Alt. well loc. added to G.T. 11, 12, 13 & 16	1-2-2010
1	Rev. hsc. type & qrd., Lot 7, add septic information	12-4-10

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 NATIONAL HEADQUARTERS OFFICE: 10772 WALTONS WOODS DRIVE
 ELKLOFT CITY, MARYLAND 21042
 (410) 461-2895

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 3/23/10
[Signature] 9/25/12

BUILDER/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 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 Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

[Signature] 3/19/10
 Signature of Developer Date

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment 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] 3/19/10
 Signature of Engineer CARL D. COLLINS Date

OWNER/BUILDER/DEVELOPER
 CATONVILLE BUILDERS
 11175 STRATFIELD COURT
 MARGROTTVILLE, MARYLAND 21104
 410-442-2211



**SITE DEVELOPMENT,
 SEDIMENT/EROSION CONTROL PLAN
 SINGLE FAMILY DETACHED
 CLOVERFIELD
 LOTS 3-8, 11, 13, 16, 18, 20 & 21
 PLAT NO'S. 10953-10959
 MAP NO.: 15 GRID NO.: 8 PARCEL NO.: 4
 ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: MARCH, 2010
 SHEET 1 OF 3**

GP-10-72



1 OF 3

SHEET

1500 Gal. Septic Tank
FIN. GRD. 576.5
INV. IN 573.7
INV. OUT 573.1
DISTRIBUTION BOX
EX. GRD. 576.0
INV. IN 573.0

*BASEMENT WILL NOT
SEWER BY GRAVITY

LOT B
57,506 SQ. FT.

*NOTE: BASEMENT WILL NOT
SEWER BY GRAVITY

LOT 5
54,103 SQ. FT.

BUILDABLE
PRESERVATION
PARCEL 'A'
PRIVATELY OWNED
EASEMENT HOLDERS: H.O.A. AND HOWARD CO.

FOREST CONSERVATION
EASEMENT NO. 1
12.939 AC.

LEXINGTON
FF 561.00
Gar. 558.40
Gar. 558.71

LOT 4
53,506 SQ. FT.

NOTE: First Floor
Sewer service only
Basement will not
sewer by gravity

LOT 1

LOT 2

LOT 3
40,069 SQ. FT.

LOT 4
40,069 SQ. FT.

LOT 5
40,069 SQ. FT.

LOT 6
40,069 SQ. FT.

LOT 7
40,069 SQ. FT.

LOT 8
40,069 SQ. FT.

LOT 9
40,069 SQ. FT.

LOT 10
40,069 SQ. FT.

LOT 11
40,069 SQ. FT.

LOT 12
40,069 SQ. FT.

LOT 13
40,069 SQ. FT.

LOT 14
40,069 SQ. FT.

LOT 15
40,069 SQ. FT.

LOT 16
40,069 SQ. FT.

LOT 17
40,069 SQ. FT.

LOT 18
40,069 SQ. FT.

LOT 19
40,069 SQ. FT.

LOT 20
40,069 SQ. FT.

LOT 21
40,069 SQ. FT.

NOTE:
Stormwater Management is provided under FOG-110 per
Ho. Co. 4 Md. 378 spec. Recharge volume will be provided
through grass channels next to the roadway. Protection
volume provided by micro pool extended detention pond,
pocket pond & infiltrable dry wells. 25 year SWM
volume provided within BMP #1. Extreme Flood
volume is not required for this site

NOTE
The existing wells shown on this plan HO-95-0381,
HO-95-0360, HO-95-0363, HO-95-0364, HO-95-0365 &
HO-95-0368 have been located by Fisher Collins &
Carter, Inc. professional land surveyors and are
accurately shown.

BUILDER/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 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 Sediment and Erosion before
beginning the project. I also authorize periodic on-site inspection by the Howard Soil
Conservation District."

Signature of Developer: *[Signature]* Date: 3/19/10

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment 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 of Engineer: *[Signature]* EARL D. COLLINS Date: 3/19/10

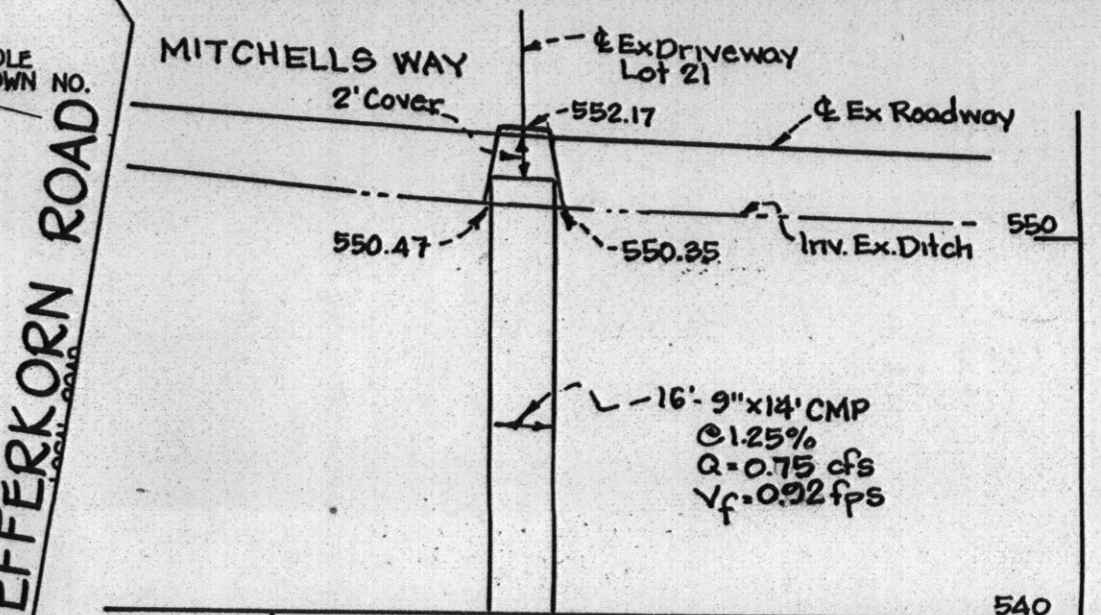
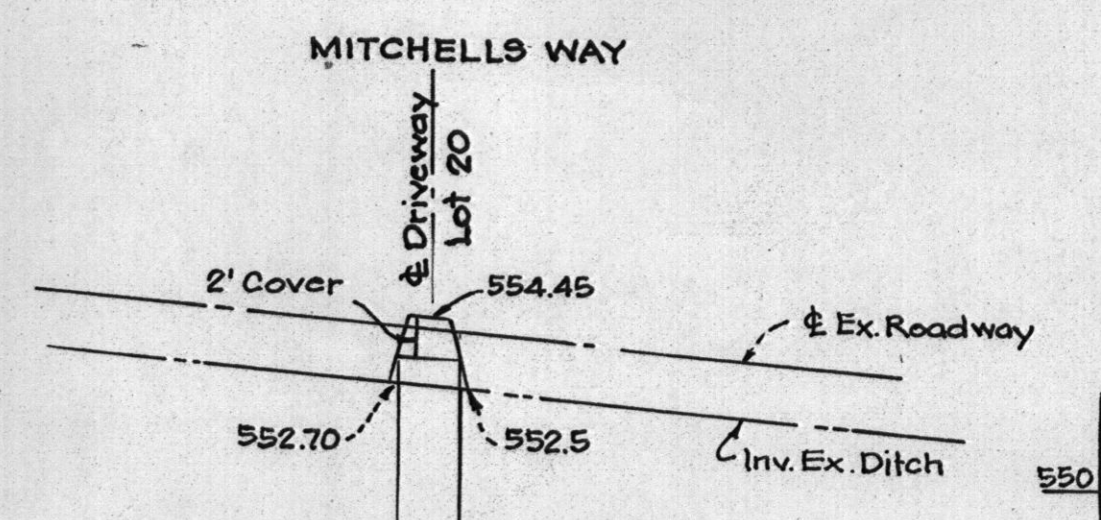
10 Add Septic Layout Lot 3	12-5-12
9 Rev. hse. f. qrd. lot 5	11-20-12
8 Rev. hse. 4 qrd. Lot 3	6-16-11
7 Add culvert type 4 profile, Lot 21	5-11-11
6 Rev. hse. footprint per new arch., Lot 21	5-9-11
5 Rev. Lot 4 per new septic csm't. and house location	4-29-11
4 Rev. hse. 4 qrd., Lot 21	3-2-11
3 Add alternate well loc. for Lots 4 & 5	1-24-11
2 Rev. hse. 4 qrd. Lot 4, add esp. invert information	12-9-10
1 Moved hse. Lot 20 forward and added alt. well locations	5-27-10
1 Rev. Lot 20 hse type 4 qrd., show sep. tk. inv. elev. for bldg. perm'd	4-1-10

REVISION

This development plan is approved for sediment and erosion control by
the HOWARD SOIL CONSERVATION DISTRICT.

Signature: *[Signature]* Date: 3/23/10

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10725 BALDWIN WOODWAY, P.E.
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2295



OWNER/BUILDER/DEVELOPER
CATONVILLE BUILDERS
11175 STRATFIELD COURT
MARGOTTSVILLE, MARYLAND 21104
410-442-2211

**SITE DEVELOPMENT,
SEDIMENT/EROSION CONTROL PLAN
SINGLE FAMILY DETACHED
CLOVERFIELD**

LOTS 3-8, 11,13,16,18, 20 & 21
PLAT NO'S. 10953-10959

MAP NO.: 15 GRID NO.: 8 PARCEL NO.: 4
ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: MARCH, 2010

SHEET 2 OF 3



GP-10-72