

B1000155

Building Address 960 Rt 97 Hoods Mill Rd
 Suite/Apt. #: _____ SDP/WP/Petition #: _____
 Census Tract _____ Subdivision _____
 Section _____ Area _____ Lot _____
 Tax Map _____ Parcel _____ Grid _____
 Zoning _____ Map Coordinates _____ Lot Size _____

Property Owner's Name Chad Martin
 Address _____
 City _____ State _____ Zip Code _____
 Home Phone _____ Work Phone _____
 Applicant's Name & Mailing Address, (if other than stated herein):

 Phone _____ Fax _____

Existing Use _____
 Proposed Use Install propane tank
 Estimated Construction Cost \$ _____
 Description of Work Install one 500 gallon propane tank
 Occupant or Tenant _____
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Contractor Company _____
 Contact Person _____
 Address _____
 City _____ State _____ Zip Code _____
 License No. _____
 Phone _____ Fax _____
 Engineer or Architect Company _____
 Contact Person _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

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

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
 Full
 Partial
 Other Suppression
 # of Heads _____

Building Characteristics
 SF Dwelling SF Townhouse
 Depth _____ Width _____
 1st floor: _____
 2nd floor: _____
 Basement: _____
 Finished Basement Unfinished Basement Crawlspace Slab on Grade
 No. of Bedrooms _____
 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: _____
 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 ON TO 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 AND LEGIBLY
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE	APPROVAL
Land Development, DPZ			
State Highways			
Building Officials			
Dev. Engineering, DPZ			
Health	8/27/10	Martin	
Fire Protection			

Is Sediment Control approval required prior to issuance?
 YES NO

CONTINGENCY CONSTRUCTION START:
 ONE STOP SHOP:

DFZ SETBACK INFORMATION
 Front: _____
 Rear: _____
 Side: _____
 Side Set: _____
 All minimum setbacks met? YES NO

Is Entrance Permit Required?
 YES NO
 Historic District? YES NO
 Lot Coverage for New Town Zone _____
 SDP/Red-line approval date _____

Filing fee \$ _____
 Permit fee \$ _____
 Excise tax \$ _____
 Add'l per fee \$ _____
 TOTAL FEES \$ _____
 Sub-total paid \$ _____
 Balance due \$ _____
 Check # _____
 Validation # _____

Accepted by _____

B10000522

Building Address 960
Woodbine Rd 97
MD
Suite/Apt. #: _____ SDP/WP/Petition #: _____
Census Tract 1-4-000 Subdivision Quartz Hill
Section _____ Area _____ Lot _____
Tax Map 8 Parcel 32 Grid 100
Zoning R6 Map Coordinates 9CZ Lot Size 5

Property Owner's Name Chad and Julie Martin
Address 7387 Gaither Road
City Sykesville State MD Zip Code _____
Home Phone _____ Work Phone _____
Applicant's Name & Mailing Address, (if other than stated herein):

Phone _____ Fax _____

Existing Use _____
Proposed Use _____
Estimated Construction Cost \$ 350,000
Description of Work New SFD

Contractor Company Camberland Development Group
Contact Person Curtis Camberland
Address 16391 AE Mullikin Rd
City Woodbine State MD Zip Code 21797
License No. _____
Phone 410-321-1122 Fax 410-321-2353

Occupant or Tenant _____
Contact Name _____
Address _____
City _____ State _____ Zip Code 21797
Phone _____ Fax _____

Engineer or Architect Company FCC
Contact Person Mark Robell
Address Ellicott City
City Ellicott City State MD Zip Code _____
Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: <u>2430</u>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: <u>1260</u>	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Construction type: _____ <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
	Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression <input type="checkbox"/> # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
Depth _____ Width _____	Sewage Disposal: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
1 st floor: <u>50</u> <u>64</u>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
2 nd floor: <u>40</u> <u>40</u>	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: <u>50</u> <u>64</u>	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____
No. of Bedrooms <u>4</u>	
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: _____	
<input 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 THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature _____
Title/Company _____

Print Name Christina Schubert
Date 2-23-2010

Checks payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
PLEASE WRITE NEATLY AND LEGIBLY

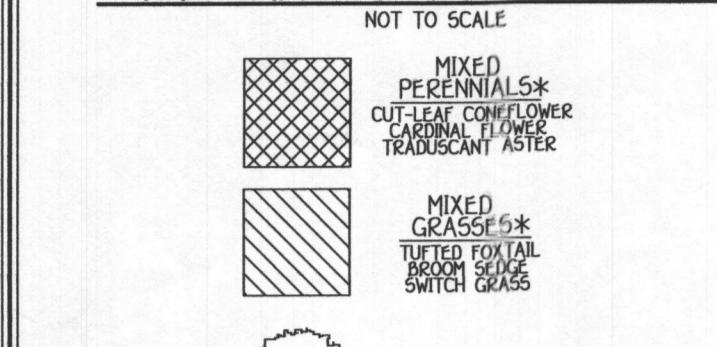
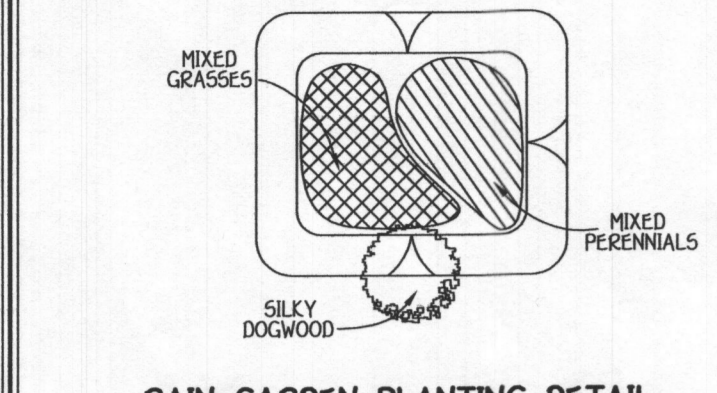
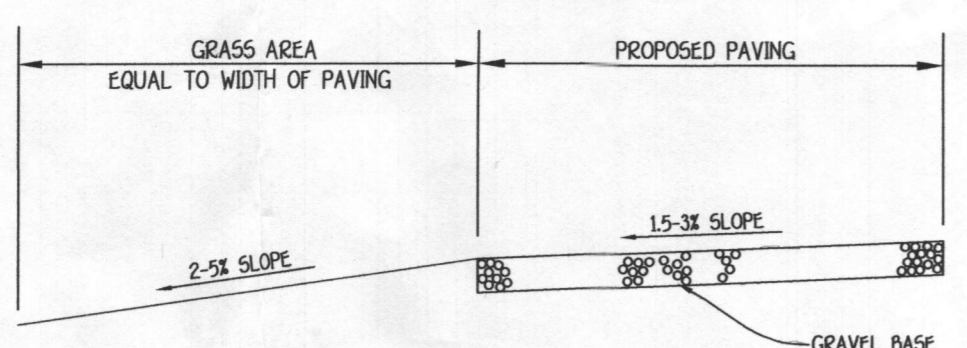
AGENCY	DATE	SIGNATURE APPROVAL
Land Development, DPZ		
State Highways		
Building Officials		
Dev. Engineering, DPZ		
Health	<u>3/25/2010</u>	<u>PSucher</u>
Fire Protection		

Is Sediment Control approval required prior to issuance?
YES NO

CONTINGENCY CONSTRUCTION START:
ONE STOP SHOP:

DPZ SETBACK INFORMATION	PROPERTY ID #
Front: _____	Filing fee \$ <u>150.00</u>
Rear: _____	Permit fee \$ _____
Side: _____	Excise tax \$ _____
Side St.: _____	Add'l per fee \$ _____
All minimum setbacks met?	TOTAL FEES \$ _____
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Sub-total paid \$ _____
Is Entrance Permit Required?	Balance due \$ _____
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Check # <u>6043</u>
Historic District?	Validation # _____
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Lot Coverage for New Town Zone _____	
SDP/Red-line approval date _____	Accepted by <u>PS</u>

LEGEND	
---	EXISTING CONTOUR 2' INTERVAL
- - -	PROPOSED CONTOUR 2' INTERVAL
*	SPOT ELEVATION
LOD	LIMITS OF DISTURBANCE
---	EXISTING TREELINE
---	PROPOSED TREELINE

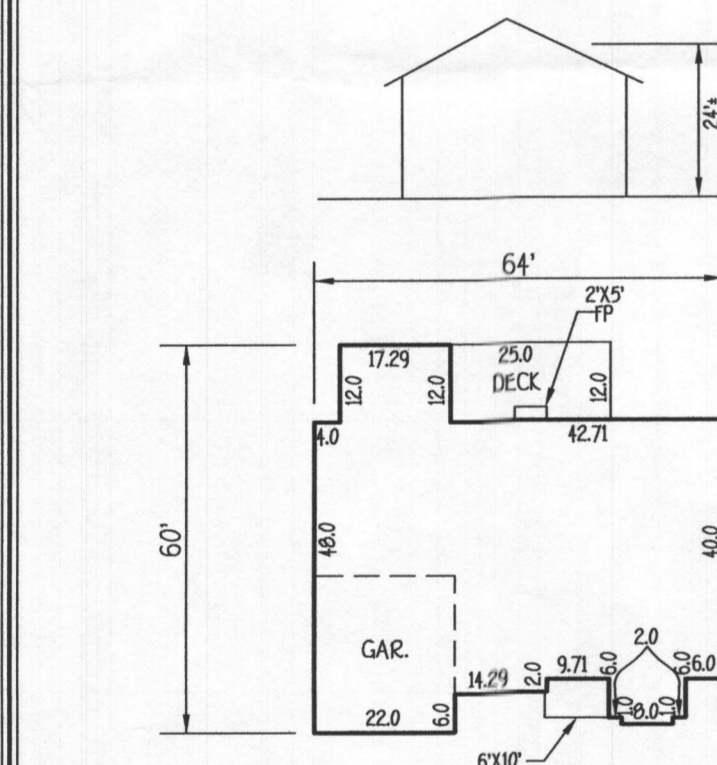


NOTE: PLANT MATERIAL MUST COVER AT LEAST 50% OF THE SURFACE AREA OF THE RAINGARDEN.

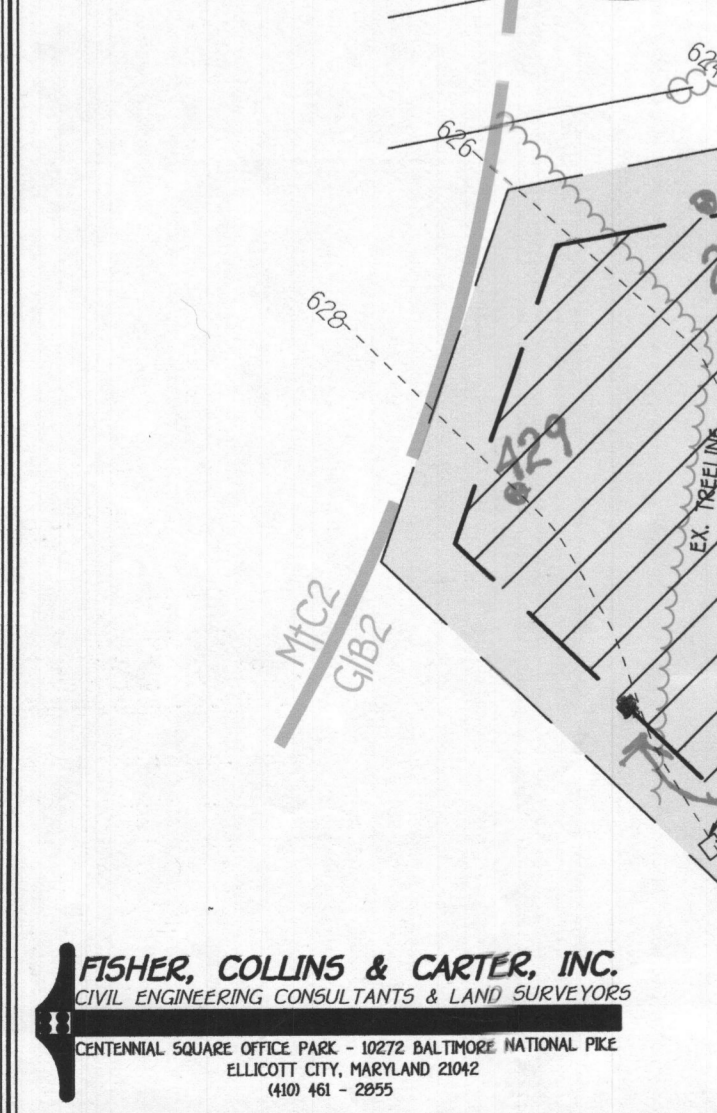
RAIN GARDEN PLANT MATERIAL		
QUANTITY	NAME	MAXIMUM SPACING (FT.)
45	MIXED PERENNIALS	1 FT.
45	MIXED GRASSES	1 FT.
1	SILKY DOGWOOD	PLANT AWAY FROM INFLOW LOCATION

PRIVATE RAIN GARDEN OPERATION & MAINTENANCE SCHEDULE

- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
- SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDER BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER. REPLACE MULCH EVERY 2 TO 3 YEARS.
- SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.



MARTIN RESIDENCE
SCALE: 1" = 30"



NOTE: THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

OFFSITE SEPTIC EASEMENT IS FOR THE USE AND BENEFIT OF PARCEL 32 (LIBER 11519, FOLIO 149).

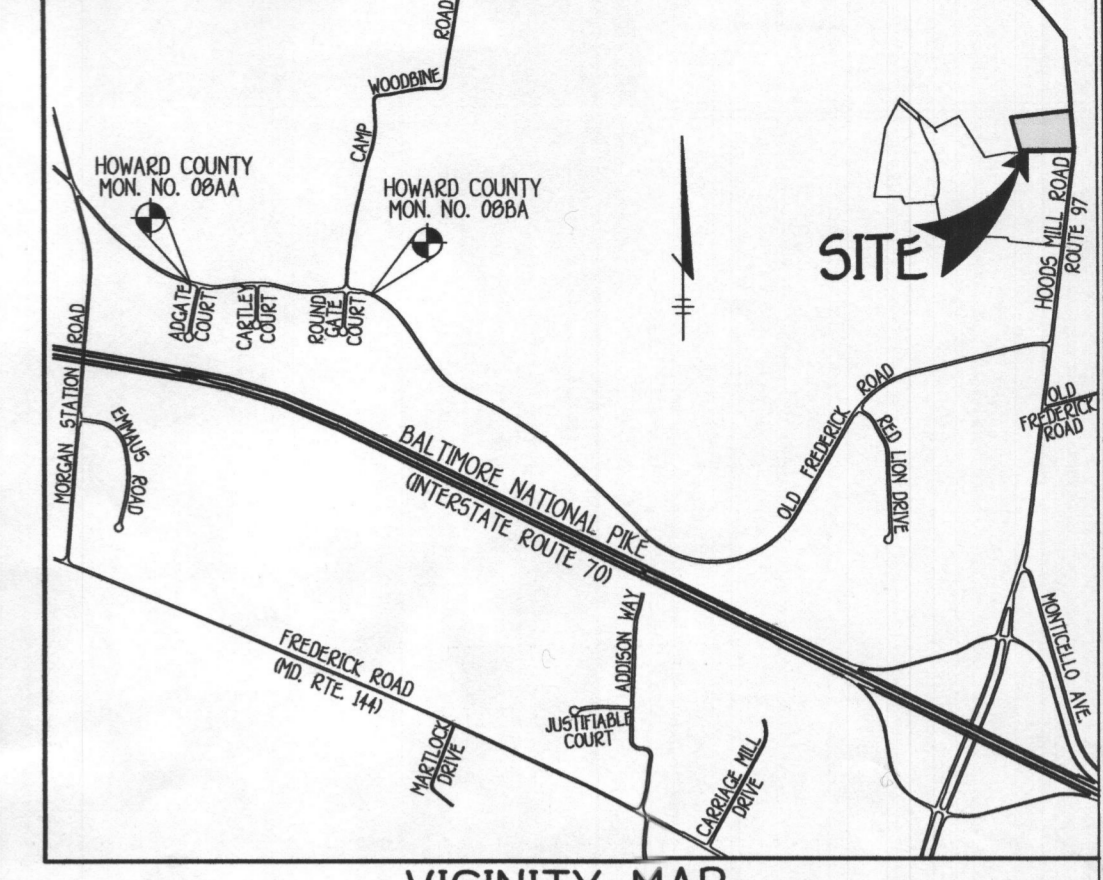
APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT _____ DATE _____

CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

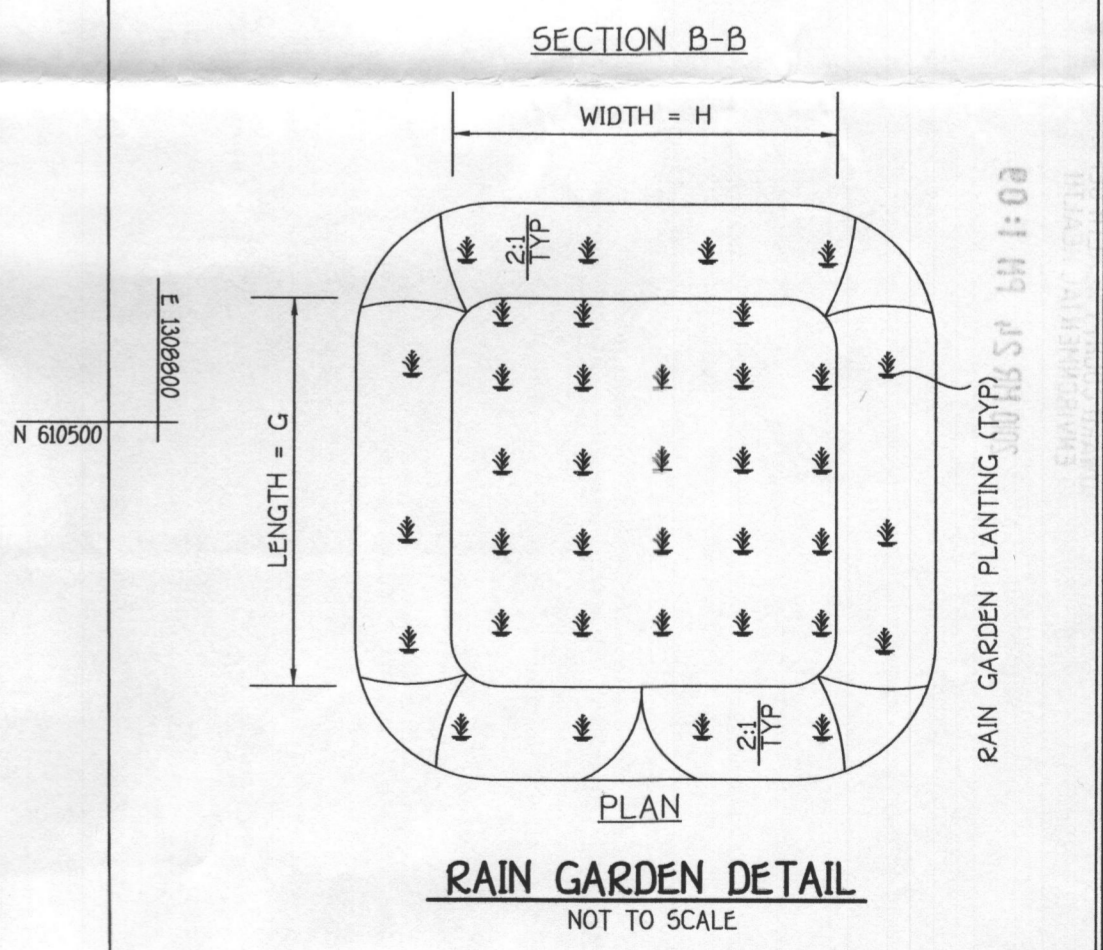
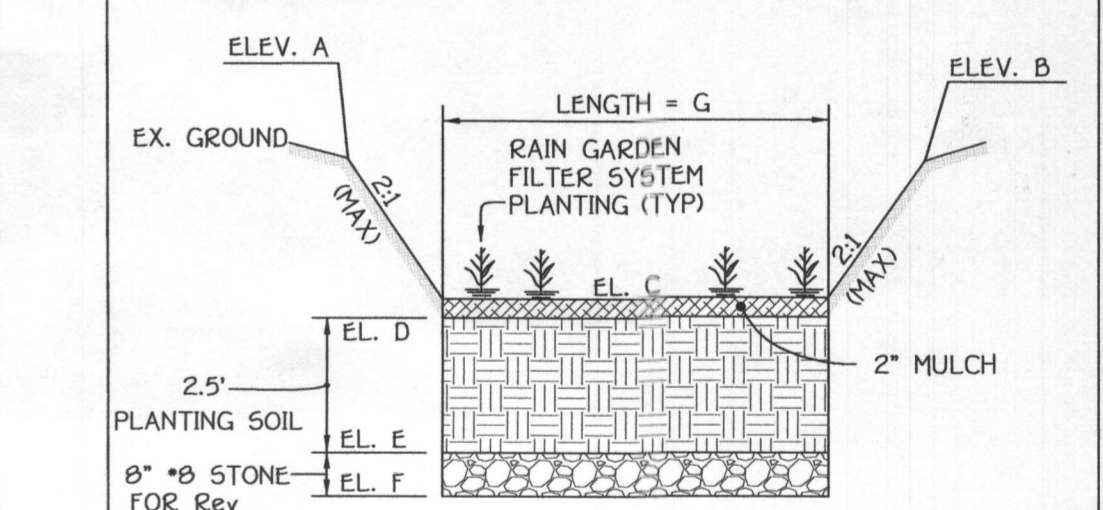
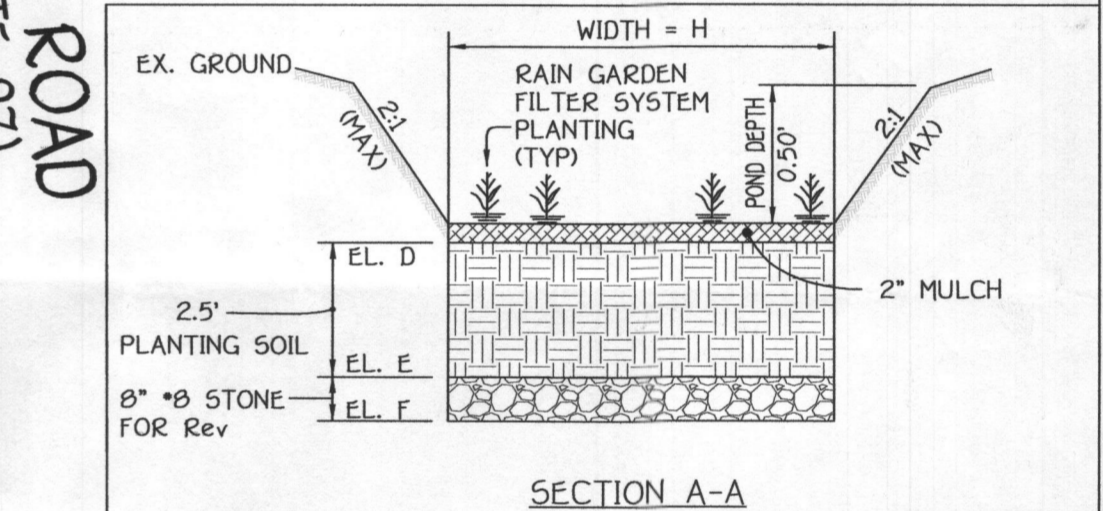
SOILS LEGEND		
SOIL	NAME	CLASS
** Ba	Baile silt loam	D
GIC3	Glenely loam, 0 to 15 percent slopes, severely eroded	B
* GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
* KeB2	Kelly silt loam, 3 to 8 percent slopes, moderately eroded	D
LgC3	Legore silty clay loam, 0 to 15 percent slopes, severely eroded	B
MrE	Montalto and Relay soils, 15 to 45 percent slopes	B
MtC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
MtD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A

RAIN GARDEN DATA								
RAIN GARDEN	A	B	C	D	E	F	G	H
1	605.0	603.50	603.25	600.75	600.27	10'	7.5'	
2	603.0	603.0	603.25	598.75	598.27	12'	9.5'	



VICINITY MAP
SCALE: 1" = 2000"
ADC MAP PAGE 4, GRID D8 & D9

- GENERAL NOTES**
- SUBJECT PROPERTY ZONED: RC-DEO
 - TOTAL AREA OF PROPERTY: 218,457.87 SQ. FT. OR 5.02 ACRES
 - SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
 - LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 - CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
 - FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC.
 - NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
 - WATER QUALITY VOLUME (WQV) AND GROUNDWATER RECHARGE VOLUME (REV) STORMWATER MANAGEMENT REQUIREMENTS FOR THIS SITE WILL BE MET BY APPLYING THE CRITERIA FOUND IN CHAPTER 5 "ENVIRONMENTAL SITE DESIGN", SPECIFICALLY SECTION N-1 "DISCONNECTION OF ROOFTOP RUNOFF" AND IT IS TO BE NOTED THAT RAINGARDENS HAVE BEEN USED WHERE THE ROOFTOP DISCONNECTION FLOPATHS EXCEED 5%. THE DRIVEWAY AND THE HOUSE WILL BE DISCONNECTED IN ACCORDANCE WITH SECTION N-2 "DISCONNECTION OF NON ROOFTOP RUNOFF" IN CHAPTER 5.
 - THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF THE FOREST CONSERVATION PROGRAM PER SECTION 16.12022(B)(3) OF THE HOWARD COUNTY CODE BECAUSE THE DEVELOPMENT OF THE PROPERTY WILL NOT CLEAR 20,000 SQUARE FEET OR GREATER OF FOREST.
 - THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD 95-1673 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



PLOT PLAN QUARTZ HILL PARCEL 32
ZONED RC-DEO

CUMBERLAND DEVELOPMENT CO.
1639 MULLINX ROAD
WOODBINE, MARYLAND 21797

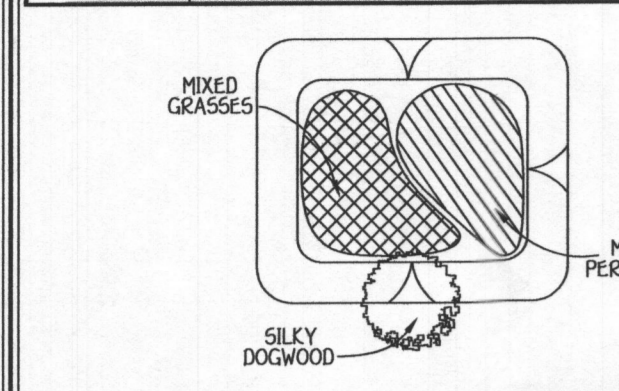
TAX MAP NO: 8 PARCEL NO: 32
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: MARCH 21, 2010

PROFESSIONAL CERTIFICATION

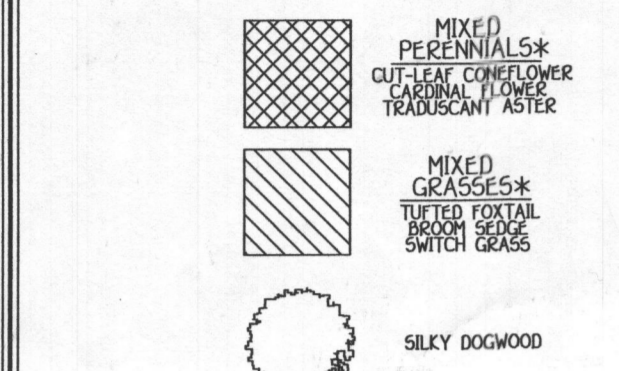
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9757, EXPIRATION DATE: 3/3/12.

TERRELL A. FISHER _____ DATE _____

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
* 362.5	SPOT ELEVATION
---	LIMITS OF DISTURBANCE
---	EXISTING TREELINE
---	PROPOSED TREELINE



RAIN GARDEN PLANTING DETAIL
NOT TO SCALE



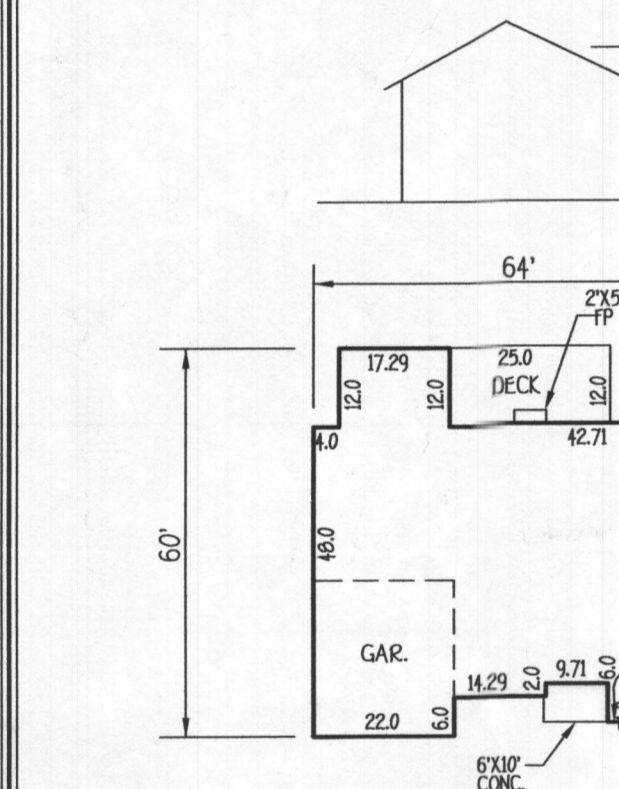
DOWNSPOUT DRAINAGE AREAS
NOT TO SCALE

NOTE: SEE PLANT MATERIAL SPECIFICATIONS FOR QUANTITIES AND SPACING.

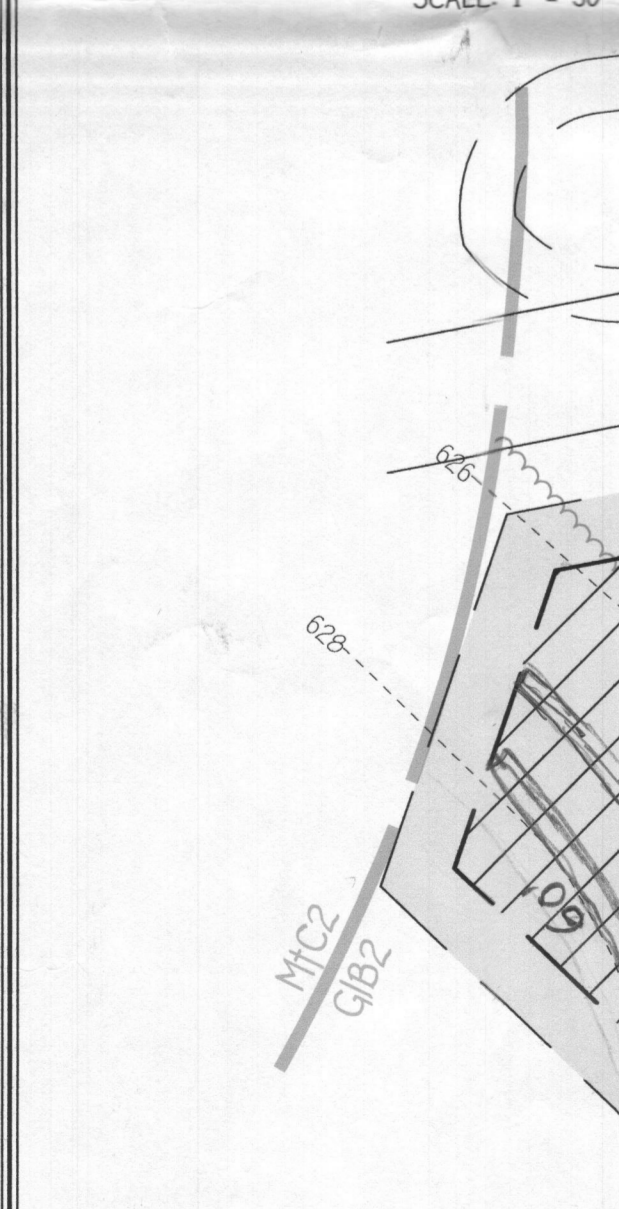
RAIN GARDEN PLANT MATERIAL		
QUANTITY	NAME	MAXIMUM SPACING (FT.)
45	MIXED PERENNIALS	1 FT.
45	MIXED GRASSES	1 FT.
1	DOGWOOD	PLANT AWAY FROM INFLOW LOCATION

PRIVATE RAIN GARDEN OPERATION & MAINTENANCE SCHEDULE

- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
- SCHEDULE OF PLANT INSPECTION WILL BE THREE TIMES A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES.
- MULCH SHALL BE INSPECTED EACH SPRING, REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER. REPLACE MULCH LAYER ONCE EVERY 2 TO 3 YEARS.
- SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

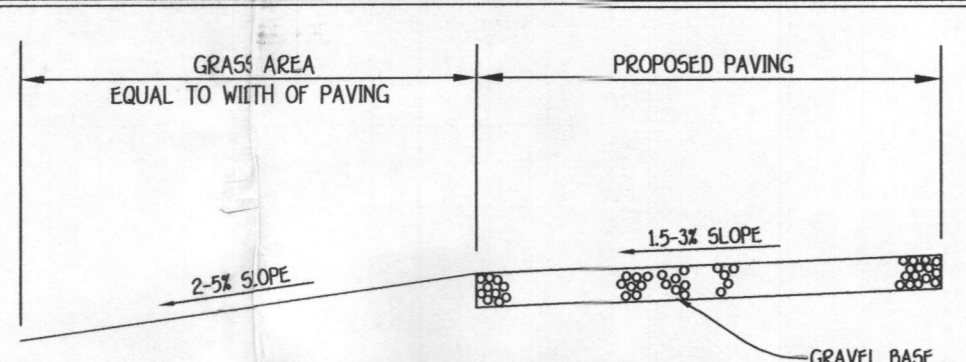


MARTIN RESIDENCE
SCALE: 1" = 30'

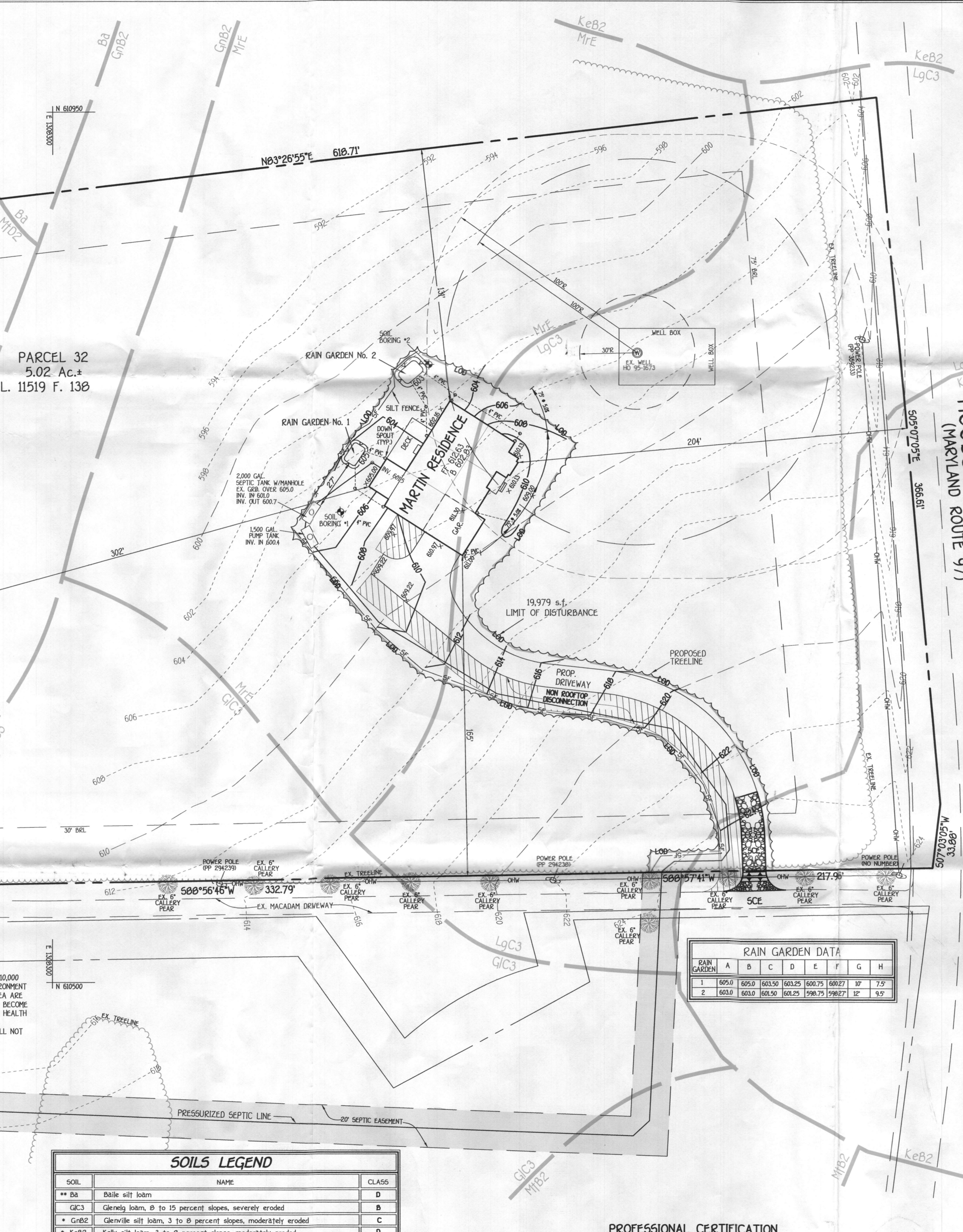


APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT _____ DATE _____
 CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 410.461.2995

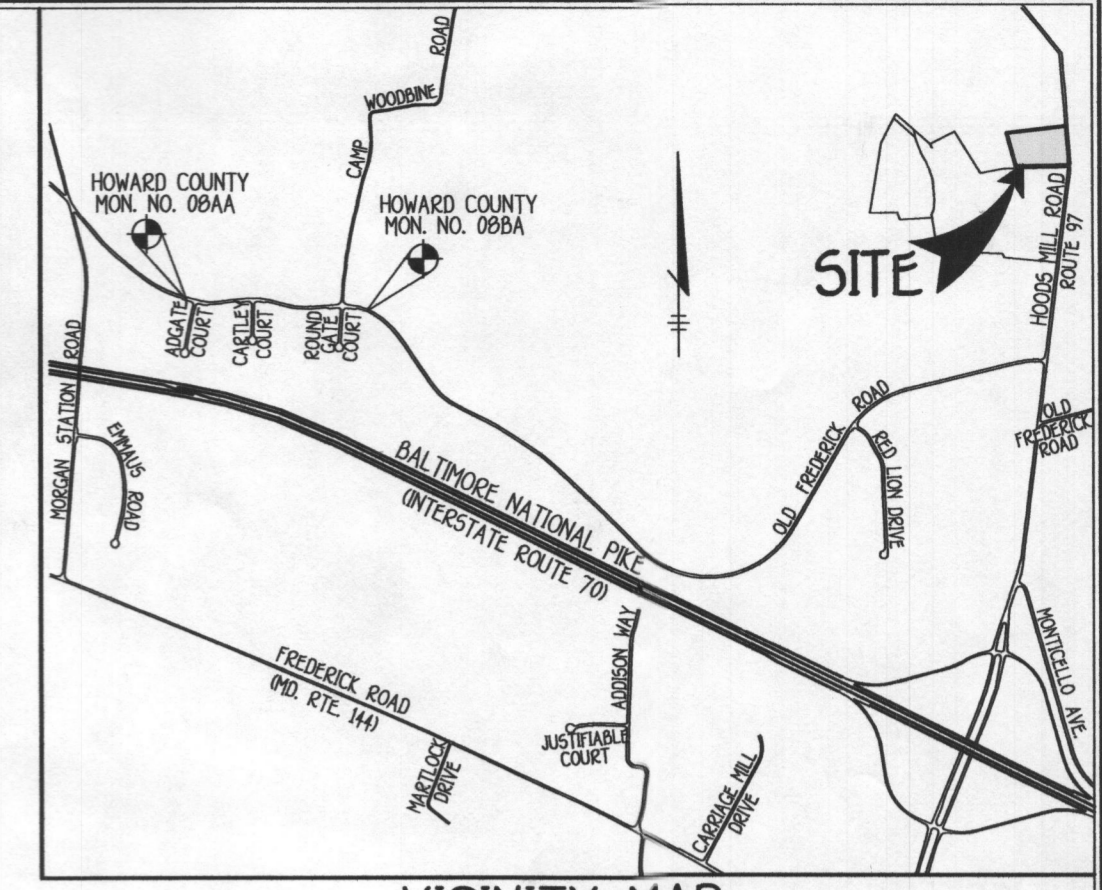


TYPICAL DRIVEWAY SECTION FOR NON-ROOFTOP DISCONNECT CREDIT
NOT TO SCALE



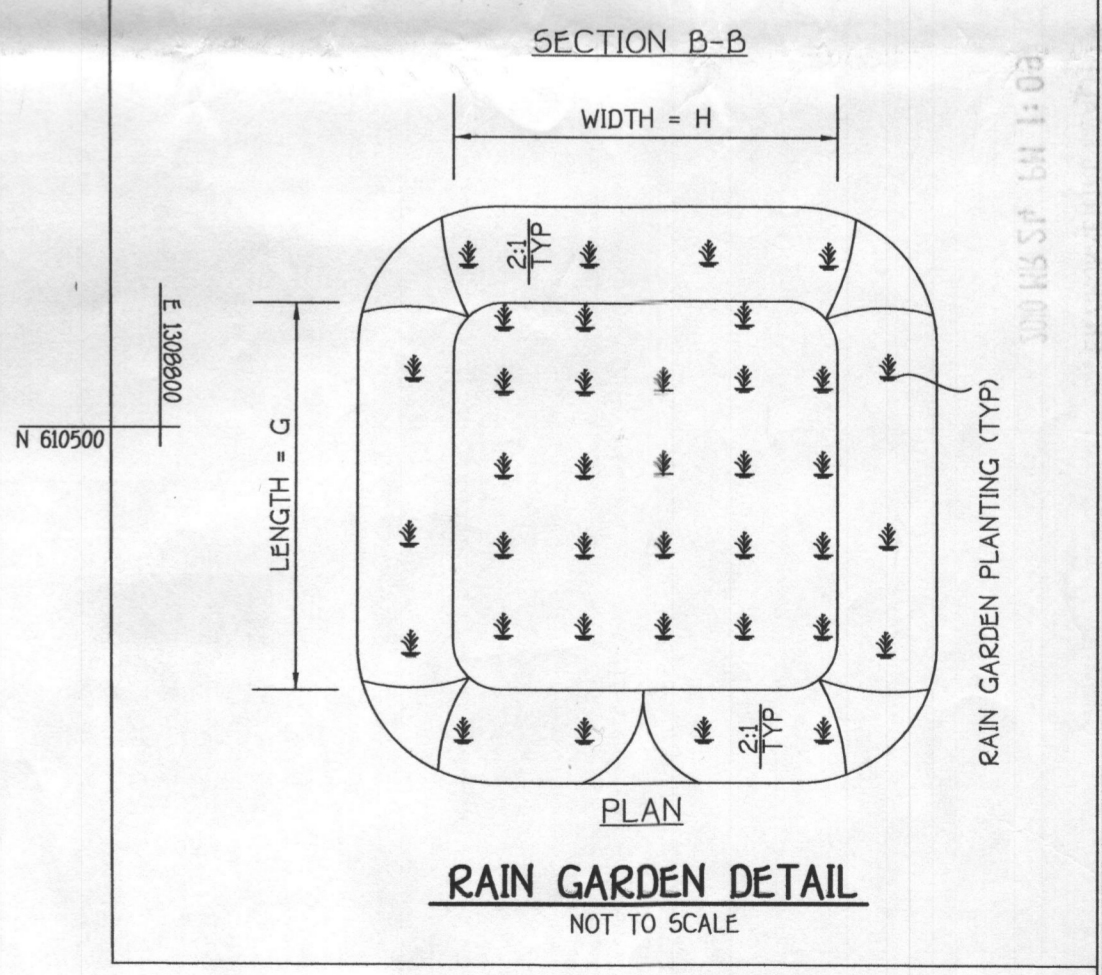
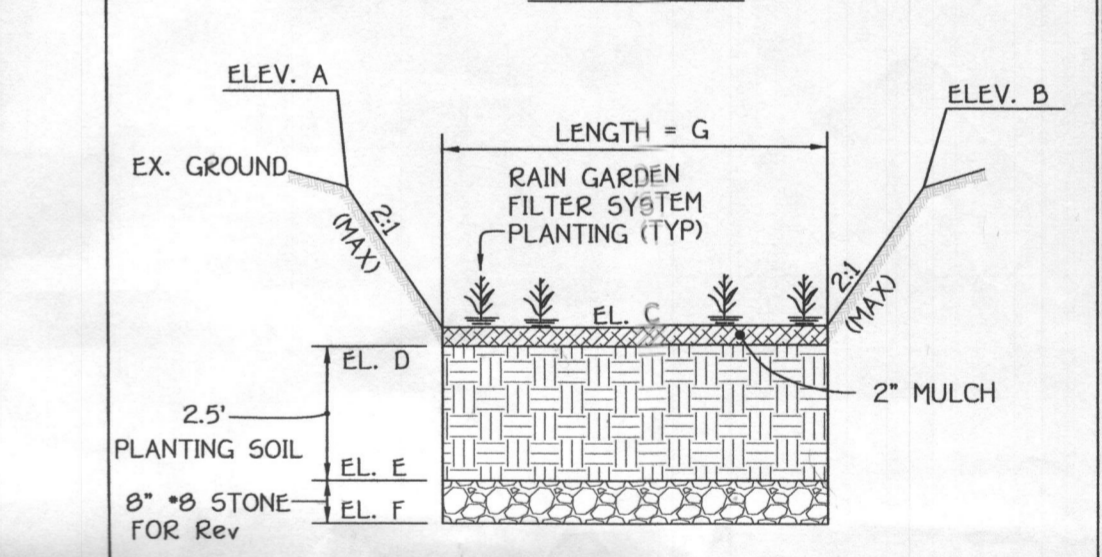
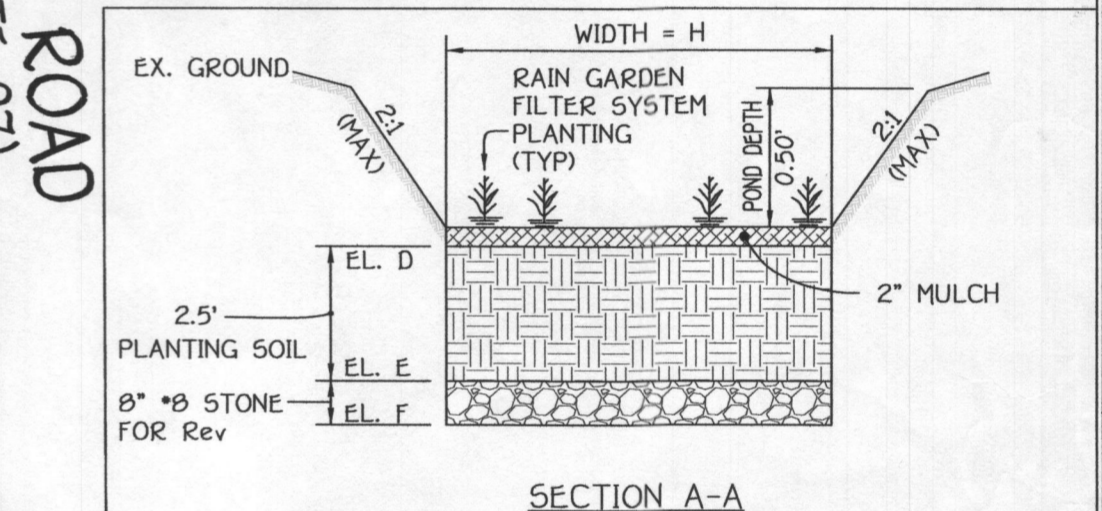
SOILS LEGEND		
SOIL	NAME	CLASS
** Ba	Baile silt loam	D
GfC3	Glenely loam, 0 to 15 percent slopes, severely eroded	B
* GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
* KeB2	Kelly silt loam, 3 to 8 percent slopes, moderately eroded	D
LgC3	Legore silty clay loam, 0 to 15 percent slopes, severely eroded	B
MfE	Montalto and Reby soils, 15 to 45 percent slopes	B
MfC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
MfD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A

RAIN GARDEN DATA								
RAIN GARDEN	A	B	C	D	E	F	G	H
1	605.0	605.0	603.50	603.25	600.75	600.27	10'	7.5'
2	603.0	603.0	603.50	602.25	598.75	598.27	12'	9.5'



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP PAGE 4, GRID D0 & D9

- GENERAL NOTES**
- SUBJECT PROPERTY ZONED RC-DEO
 - TOTAL AREA OF PROPERTY: 210,457.87 SQ.FT. OR 5.02 ACRES
 - SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
 - LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 - CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
 - FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC.
 - NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
 - WATER QUALITY VOLUME (WQV) AND GROUNDWATER RECHARGE VOLUME (REV) STORMWATER MANAGEMENT REQUIREMENTS FOR THIS SITE WILL BE MET BY APPLYING THE CRITERIA FOUND IN CHAPTER 5 "ENVIRONMENTAL SITE DESIGN", SPECIFICALLY SECTION N-1 "DISCONNECTION OF ROOFTOP RUNOFF" AND IT IS TO BE NOTED THAT RAINGARDENS HAVE BEEN USED WHERE THE ROOFTOP DISCONNECTION FLOPATHS EXCEED 5%. THE DRIVEWAY AND THE HOUSE WILL BE DISCONNECTED IN ACCORDANCE WITH SECTION N-2 "DISCONNECTION OF NON ROOFTOP RUNOFF" IN CHAPTER 5.
 - THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF THE FOREST CONSERVATION PROGRAM PER SECTION 81.02(b)(3) OF THE HOWARD COUNTY CODE BECAUSE THE DEVELOPMENT OF THE PROPERTY WILL NOT CLEAR 20,000 SQUARE FEET OR GREATER OF FOREST.
 - THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 95-1673 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



RAIN GARDEN DETAIL
NOT TO SCALE

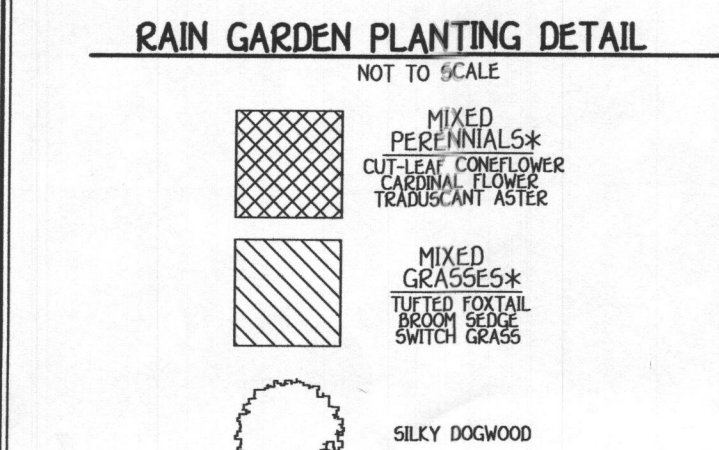
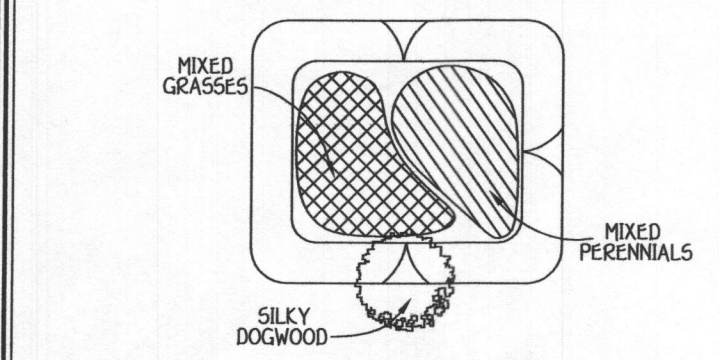
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9757, EXPIRATION DATE: 3/31/12.
 TERRELL A. FISHER _____ DATE _____

BUILDER/DEVELOPER
 CUMBERLAND DEVELOPMENT CO.
 16391 MULLINX ROAD
 WOODBINE, MARYLAND 21797

PLOT PLAN QUARTZ HILL PARCEL 32
 ZONED RC-DEO
 TAX MAP NO. 08 PARCEL NO. 32
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: MARCH 21, 2010

K:\SOS\PROJ\30797 QUARTZ HILL\DWG\30797 5hp Parcel 32 Revised.dwg, 3/24/2010 10:27:27 AM, 1:30

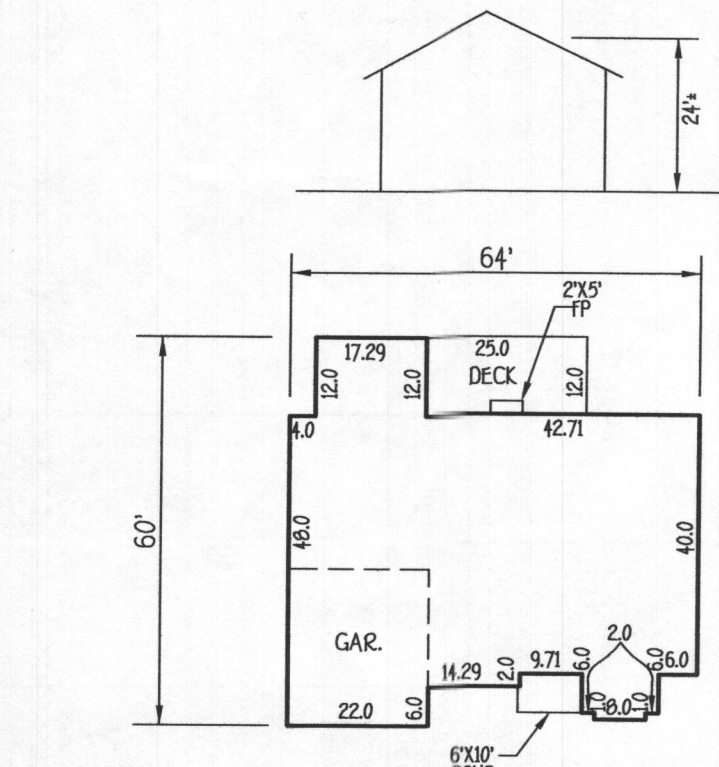
LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	PROPOSED CONTOUR 2' INTERVAL
	SPOT ELEVATION
	LIMITS OF DISTURBANCE
	EXISTING TREELINE
	PROPOSED TREELINE



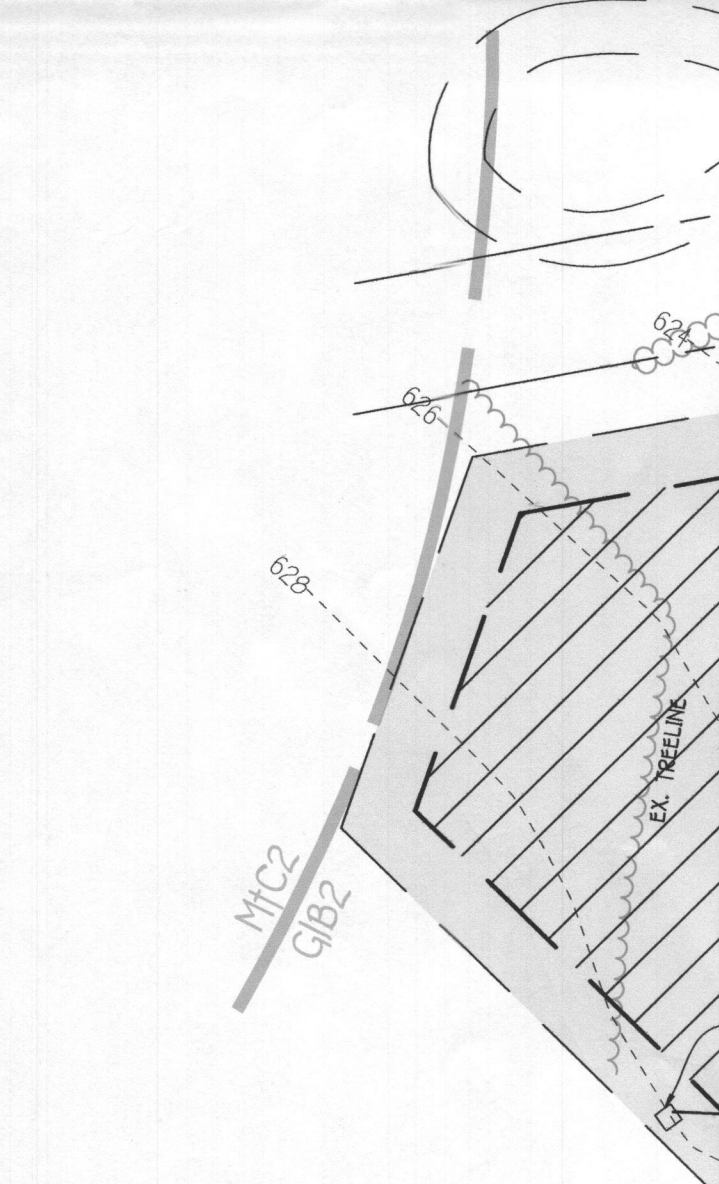
QUANTITY	NAME	MAXIMUM SPACING (FT)
45	MIXED PERENNIALS	1 FT.
45	MIXED GRASSES	1 FT.
1	SILKY DOGWOOD	PLANT AWAY FROM INFLOW LOCATION

PRIVATE RAIN GARDEN OPERATION & MAINTENANCE SCHEDULE

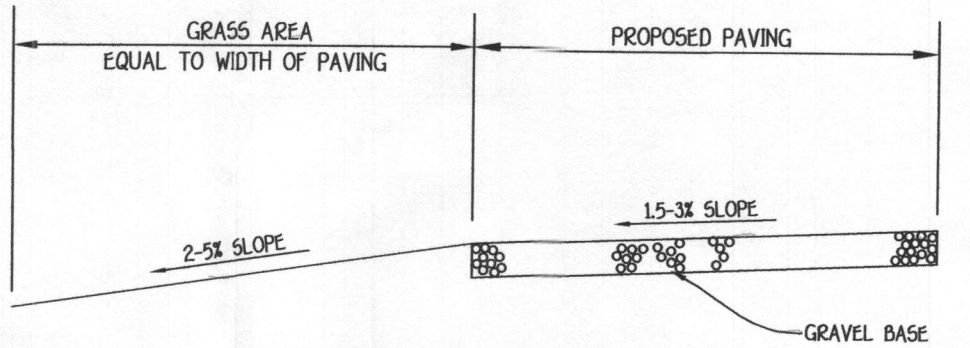
- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
- SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDER BEYOND TREATMENT. TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRDS.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS.
- SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.



MARTIN RESIDENCE
SCALE: 1" = 30'



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELKLOTT CITY, MARYLAND 22042
1400 485 - 2000

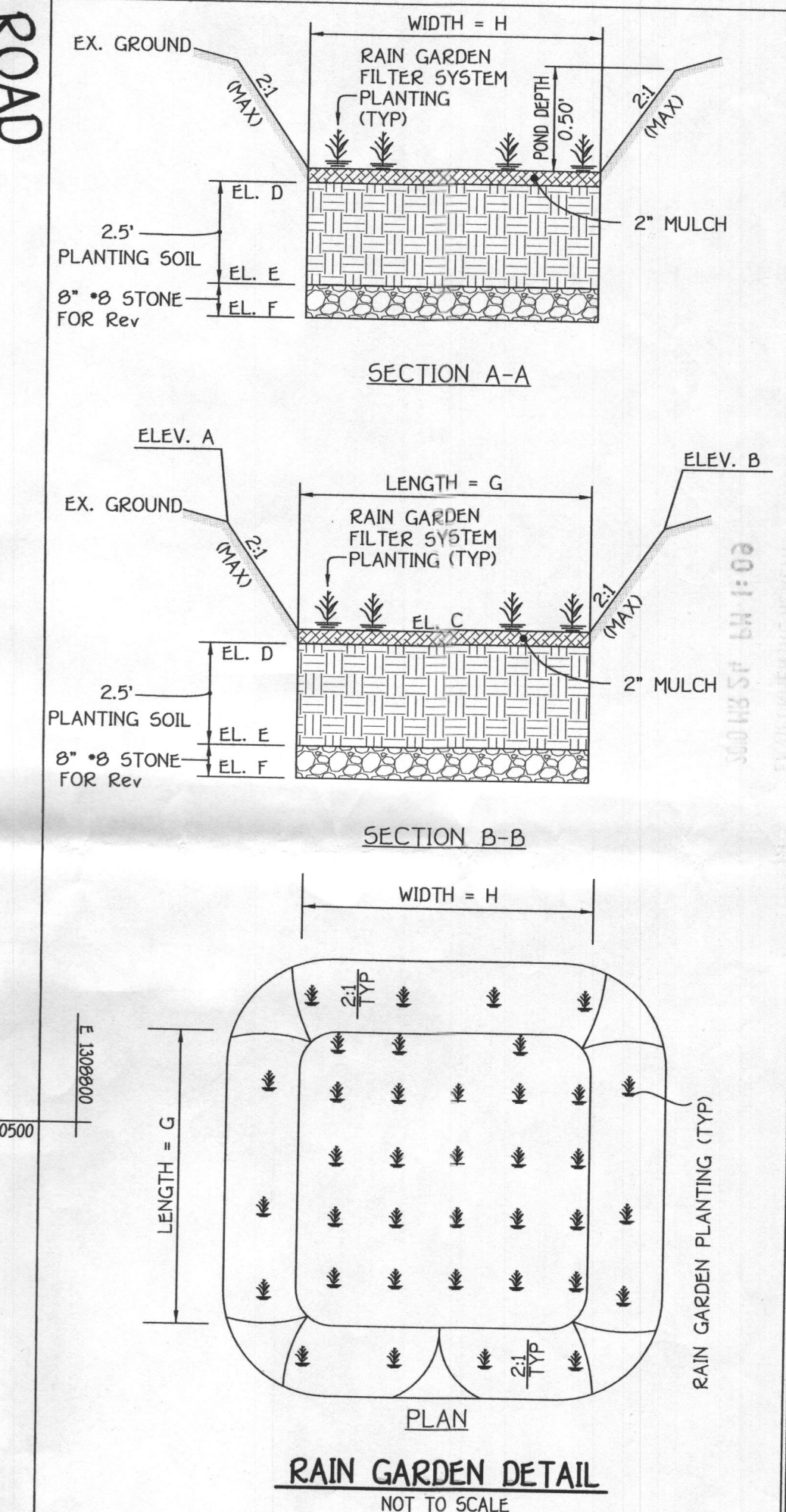


TYPICAL DRIVEWAY SECTION FOR NON-ROOFTOP DISCONNECT CREDIT
NOT TO SCALE

PARCEL 32
5.02 Ac.±
L. 11519 F. 138

SOIL	NAME	CLASS
** Ba	Baile silt loam	D
GIC3	Glenelg loam, 0 to 15 percent slopes, severely eroded	B
* GrB2	Glenville silt loam, 3 to 0 percent slopes, moderately erod	C
* KeB2	Kelly silt loam, 3 to 0 percent slopes, moderately eroded	D
LgC3	Legore silty clay loam, 0 to 15 percent slopes, severely erod	B
Me	Montalto and Relay soils, 15 to 45 percent slopes	B
MIC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely erod	A
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A

RAIN GARDEN DATA								
RAIN GARDEN	A	B	C	D	E	F	G	H
1	505.0	505.0	603.50	603.25	600.75	600.27	17'	7.5'
2	603.0	603.0	603.50	603.25	598.75	598.27	12'	9.5'



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. 9757, EXPIRATION DATE: 3/3/12.
TERRELL A. FISHER DATE

BUILDER/DEVELOPER
CUMBERLAND DEVELOPMENT CO.
16391 MULLINX ROAD
WOODBINE, MARYLAND 21797

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

PLANTING MATERIAL
NOTE: PLANT MATERIAL MUST COVER AT LEAST 50% OF THE SURFACE AREA OF THE RAINGARDEN.

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO
- TOTAL AREA OF PROPERTY: 219,457.87 SQ.FT. OR 5.02 ACRES
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC.
- NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
- WATER QUALITY VOLUME (WQV) AND GROUNDWATER RECHARGE VOLUME (GRV) STORMWATER MANAGEMENT REQUIREMENTS FOR THIS SITE WILL BE MET BY APPLYING THE CRITERIA FOUND IN CHAPTER 5 "ENVIRONMENTAL SITE DESIGN". SPECIFICALLY SECTION N-1 "DISCONNECTION OF ROOFTOP RUNOFF" AND IT IS TO BE NOTED THAT RAINGARDENS HAVE BEEN USED WHERE THE ROOFTOP DISCONNECTION FLOPPATHS EXCEED 5%. THE DRIVEWAY AND THE HOUSE WILL BE DISCONNECTED IN ACCORDANCE WITH SECTION N-2 "DISCONNECTION OF NON ROOFTOP RUNOFF" IN CHAPTER 5.
- THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF THE FOREST CONSERVATION PROGRAM PER SECTION 16.022B(3)(D) OF THE HOWARD COUNTY CODE BECAUSE THE DEVELOPMENT OF THE PROPERTY WILL NOT CLEAR 20,000 SQUARE FEET OR GREATER OF FOREST.
- THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 95-1673 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

VICINITY MAP
SCALE: 1" = 2000'
ADC MAP PAGE 4, GRID D8 & D9

HOODS MILL ROAD (MARYLAND ROUTE 97)

QUARTZ HILL PARCEL 32
ZONED RC-DEO
TAX MAP NO. 8 PARCEL NO. 32
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: MARCH 21, 2010

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