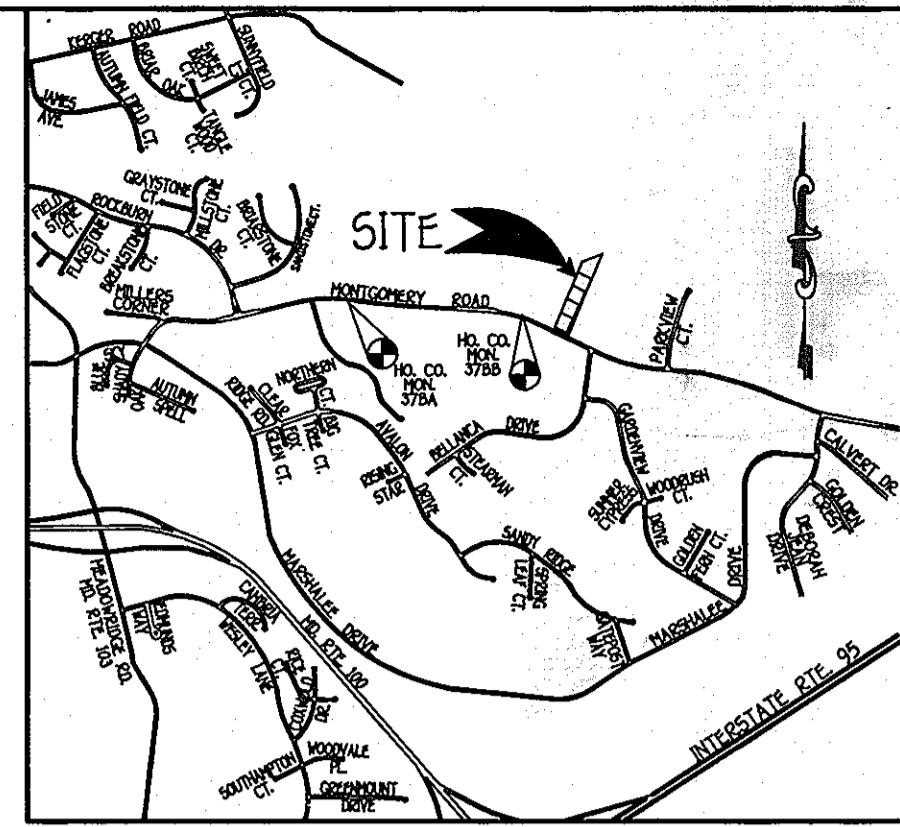


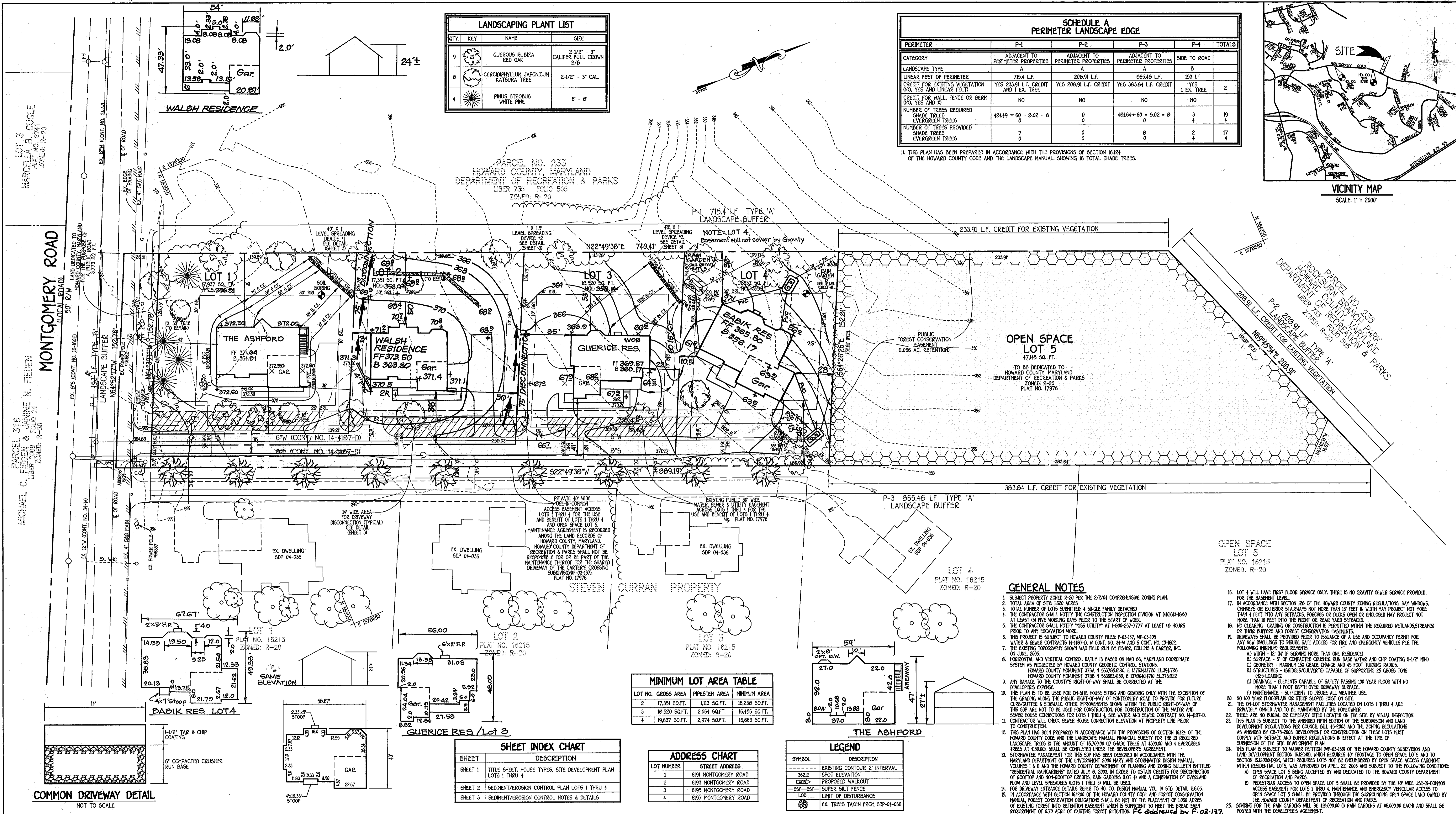
LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
9		QUERUS RUBIZA RED OAK	2-1/2" - 3" CALIPER FULL CROWN B/B
8		CERCIDIPHYLLUM JAPONICUM KATSURA TREE	2-1/2" - 3" CAL.
4		PINUS STROBUS WHITE PINE	6' - 8'

SCHEDULE A PERIMETER LANDSCAPE EDGE					
PERIMETER	P-1	P-2	P-3	P-4	TOTALS
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	SIDE TO ROAD	
LANDSCAPE TYPE	A	A	A	B	
LINEAR FEET OF PERIMETER	715.4 L.F.	208.91 L.F.	865.48 L.F.	153 L.F.	
CREDIT FOR EXISTING VEGETATION AND LINEAR FEET	YES 233.91 L.F. CREDIT AND 1 EX. TREE	YES 208.91 L.F. CREDIT	YES 383.84 L.F. CREDIT	YES 1 EX. TREE	2
CREDIT FOR WALL, FENCE OR BERM (NO, YES AND 2)	NO	NO	NO	NO	
NUMBER OF TREES REQUIRED					
SHADE TREES	481.49 + 60 = 8.02 = 8	0	481.64 + 60 = 8.02 = 8	3	19
EVERGREEN TREES	0	0	0	4	4
NUMBER OF TREES PROVIDED					
SHADE TREES	7	0	8	2	17
EVERGREEN TREES	0	0	0	4	4

1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL, SHOWING IS TOTAL SHADE TREES.



VICINITY MAP
SCALE: 1" = 200'



MINIMUM LOT AREA TABLE			
LOT NO.	GROSS AREA	PIPESTEM AREA	MINIMUM AREA
1	17,351 SQ.FT.	1,113 SQ.FT.	16,238 SQ.FT.
2	18,520 SQ.FT.	2,064 SQ.FT.	16,456 SQ.FT.
4	19,637 SQ.FT.	2,974 SQ.FT.	16,663 SQ.FT.

SHEET INDEX CHART	
SHEET	DESCRIPTION
SHEET 1	TITLE SHEET, HOUSE TYPES, SITE DEVELOPMENT PLAN LOTS 1 THRU 4
SHEET 2	SEDIMENT/EROSION CONTROL PLAN LOTS 1 THRU 4
SHEET 3	SEDIMENT/EROSION CONTROL NOTES & DETAILS

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
1	6191 MONTGOMERY ROAD
2	6193 MONTGOMERY ROAD
3	6195 MONTGOMERY ROAD
4	6197 MONTGOMERY ROAD

LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	SPOT ELEVATION
	PROPOSED WALKOUT
	SUPER SILT FENCE
	LIMIT OF DISTURBANCE
	EX. TREES TAKEN FROM SDP-04-036

GENERAL NOTES

- SUBJECT PROPERTY ZONED R-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF SITE: 1620 ACRES.
- TOTAL NUMBER OF LOTS SUBMITTED: 4 SINGLE FAMILY DETACHED.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410)313-1800 AT LEAST FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "M&S UTILITY" AT 1-800-297-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F-03-107, W-03-105.
- WATER & SEWER CONTRACTS 14-187-D, W CONT. NO. 34-W AND S CONT. NO. 10-162.
- THE EXISTING TOPOGRAPHY SHOWN WAS FIELD RUN BY FISHER, COLLINS & CARTER, INC. ON JUNE 2005.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON MAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS.
- HOWARD COUNTY MONUMENT 378A N 5637856590, E 1376431720 EL 394.786 HOWARD COUNTY MONUMENT 378B N 5636614590, E 1376431720 EL 373.9222
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS TO BE USED FOR ON-SITE HOUSE SITING AND GRADING ONLY WITH THE EXCEPTION OF THE GRADING ALONG THE PUBLIC RIGHT-OF-WAY TO PROVIDE FOR FUTURE CURB/GUTTER & SIDEWALK. OTHER IMPROVEMENTS SHOWN WITHIN THE PUBLIC RIGHT-OF-WAY OF THIS SDP ARE NOT TO BE USED FOR CONSTRUCTION FOR CONSTRUCTION OF THE WATER AND SEWER HOUSE CONNECTIONS FOR LOTS 1 THRU 4. SEE WATER AND SEWER CONTRACT NO. 14-187-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT PROPERTY LINE PRIOR TO CONSTRUCTION.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL, FINANCIAL SURETY FOR THE 2) REQUIRED LANDSCAPE TREES BY THE AMOUNT OF \$570,000 (7) SHADE TREES AT \$80,000 AND 4) EVERGREEN TREES AT \$50,000. SHALL BE COMPLETED UNDER THE DEVELOPER'S AGREEMENT.
- STORMWATER MANAGEMENT FOR THIS SDP HAS BEEN DESIGNED IN ACCORDANCE WITH THE MARYLAND DEPARTMENT OF THE ENVIRONMENT 2000 MARVLAN STORMWATER DESIGN MANUAL, VOLUMES 1 & 2 AND THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING BULLETIN ENTITLED "RESIDENTIAL OPEN SPACE" DATED JULY 8, 2003. IN ORDER TO OBTAIN CREDITS FOR DISCONNECTION OF ROOFTOP AND NON-ROOFTOP CREDITS, RAIN GARDENS (LOT 4) AND A COMBINATION OF OVERLAND FLOW AND LEVEL SPREADERS (LOTS 1 THRU 3) WILL BE USED.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO NO. C03 DESIGN MANUAL VOL. IV STD. DETAIL 06.05.
- IN ACCORDANCE WITH SECTION 16120.02 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL, FOREST CONSERVATION OBLIGATIONS SHALL BE MET BY THE PLACEMENT OF LOGS ACROSS OF EXISTING FOREST TO RETENTION EASEMENT WHICH IS SUFFICIENT TO MEET THE BREAK EVEN REQUIREMENT OF 0.70 ACRES OF EXISTING FOREST RETENTION. FC addressed by P-03-137.
- LOT 4 WILL HAVE FIRST FLOOR SERVICE ONLY. THERE IS NO GRAVITY SEWER PROVIDED FOR THE BASEMENT LEVEL.
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 18 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACKS.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS/STREAMS OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENTS.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12' 0" IF SERVING MORE THAN ONE RESIDENCE
 - SURFACE - 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING 1/2" HDU C) GEOMETRY - MAXIMUM 15% GRADE CHANGE AND 45 FOOT TURNING RADIUS.
 - STRUCTURES - (BODGES/CULVERTS) CAPABLE OF SUPPORTING 25 GROSS TONS (252-LOADING)
 - DRAINAGE - ELEMENTS CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- NO 100 YEAR FLOODPLAIN OR STEEP SLOPES EXIST ON SITE.
- THE ON-LOT STORMWATER MANAGEMENT FACILITIES LOCATED ON LOTS 1 THRU 4 ARE PRIVATELY OWNED AND TO BE MAINTAINED BY THE HOMEOWNER.
- THERE ARE NO BUREAU OR CEMETERY SITES LOCATED ON THE SITE BY VISUAL INSPECTION.
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY 03-75-2003. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN.
- THIS PLAN IS SUBJECT TO WATER PETITION W-03-150 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT SECTION 16120.02, WHICH REQUIRES 40% FRONTAGE TO OPEN SPACE LOTS AND SECTION 16120.03, WHICH REQUIRES LOTS NOT BE ENCUMBERED BY OPEN SPACE ACCESS EASEMENT WITHIN RESIDENTIAL LOTS, WAS APPROVED ON APRIL 22, 2003 AND SUBJECT TO THE FOLLOWING CONDITIONS:
 - OPEN SPACE LOT 5 BEING ACCRUED BY AND DEDICATED TO THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS.
 - PROVIDE ACCESS TO OPEN SPACE LOT 5 SHALL BE PROVIDED BY THE 40' WIDE USE-IN-COMMON ACCESS EASEMENT DETAILS REFER TO NO. C03 DESIGN MANUAL VOL. IV STD. DETAIL 06.05.
 - OPEN SPACE LOT 5 SHALL BE PROVIDED THROUGH THE SUBGRONING OPEN SPACE LAND OWNED BY THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS.
 - BONDING FOR THE RAIN GARDENS WILL BE \$10,000.00 EACH AND SHALL BE POSTED WITH THE DEVELOPER'S AGREEMENT.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL OFFICE: 10772 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 410-461-2355

NO.	REVISION	DATE
9	To expand shared driveway to 16' wide, remove 4' sidewalk & relocate 1.9 trees to west side of shared driveway	4-19-10
8	Rev. Grd. Lot 2 to show Ex. Conditions	11-20-09
7	Rev. Grd. three type Lot 1 add Ashford footprint	8-7-09
6	Rev. grd. lot 3 to show existing conditions	10-10-09
5	Rev. MCE Lots 1-3, Rev. grd. lot 3 to show As-Built Conditions	9-4-08
4	Rev. hse. Add hse typical Lot 2	5-5-08
3	Rev. hse. & grd. lot 3 add new footprint	2-25-08
2	Rev. hse. & grd. lot 4 to show ex. conditions	9-18-07
1	Rev. hse. type & grd. lot 4	7-11-06

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: EARL D. COLLING
 Date: 3-10-06

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: STEVE FORNEY
 Date: 3-10-06

Reviewed for HOWARD SCD and meets Technical Requirements.

U.S.D.A.-Natural Resources Conservation Service
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Signature: [Signature]
 Date: [Date]

OWNER/BUILDER/DEVELOPER
 HAMILTON REED
 8000 MAIN STREET
 ELICOTT CITY, MARYLAND 21043
 410-480-9105

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: [Signature] Date: 3/14/06
 Chief, Division of Land Development

Signature: [Signature] Date: 3/14/06
 Chief, Development Engineering Division

Signature: [Signature] Date: 3/14/06
 Director, Department of Planning and Zoning

PROJECT	SECTION/AREA	LOT NO.
CARTER'S CROSSING	N/A	1 THRU 4

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
17976	5	R-20	37	FIRST	601L01

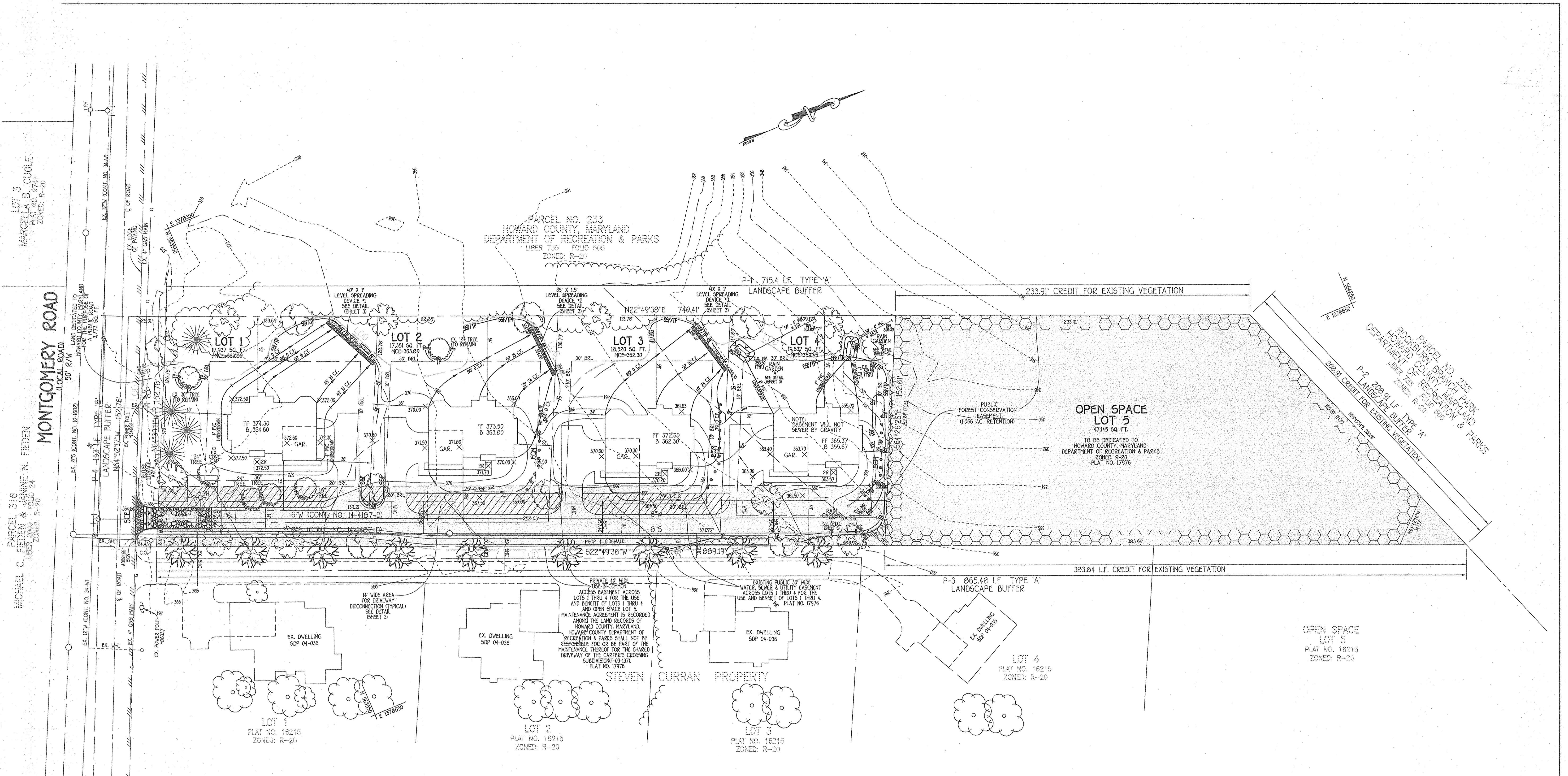
WATER CODE	SEWER CODE
D04	2150562

SITE DEVELOPMENT
 SINGLE FAMILY DETACHED

CARTER'S CROSSING
 LOTS 1 THRU 4

TAX MAP NO: 37 PARCEL NO: 45 GRID NO: 5
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: FEBRUARY, 2005
 SHEET 1 OF 3

SDP 06-019



Note:
No stockpiling will be permitted on site.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 410-461-2200

NO.	REVISION	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.

Earl D. Collins
 Signature of Engineer EARL D. COLLINS 3-10-06 Date

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.

Stephen F. Forney
 Signature of Developer STEVEN FORNEY 3-10-06 Date

Reviewed for HOWARD SCD and meets Technical Requirements.

John M. Ryan 6/12/06 Date
 Director, Natural Resources Conservation Service

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

John K. Roberts 6/12/06 Date
 Director, HOWARD SCD

OWNER/BUILDER/DEVELOPER
 HAMILTON REED
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 410-460-9105

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Conda Hamant 6/19/06 Date
 Chief, Division of Land Development

John M. Ryan 6/12/06 Date
 Chief, Development Engineering Division

Mark A. Laughton 6/20/06 Date
 Director - Department of Planning and Zoning

PROJECT	SECTION/AREA	LOT NO.
CARTER'S CROSSING	N/A	1 THRU 4

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
17976					
17977	5	R-20	37	FIRST	6011.01

WATER CODE	SEWER CODE
D04	2150562

SEDIMENT/EROSION CONTROL PLAN

SINGLE FAMILY DETACHED

CARTER'S CROSSING
 LOTS 1 THRU 4

TAX MAP NO.: 37 PARCEL NO.: 45 GRID NO.: 5
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: FEBRUARY, 2005
 SHEET 2 OF 3

SDP 06-019

SEDIMENT CONTROL NOTES

TEMPORARY SEEDING NOTES

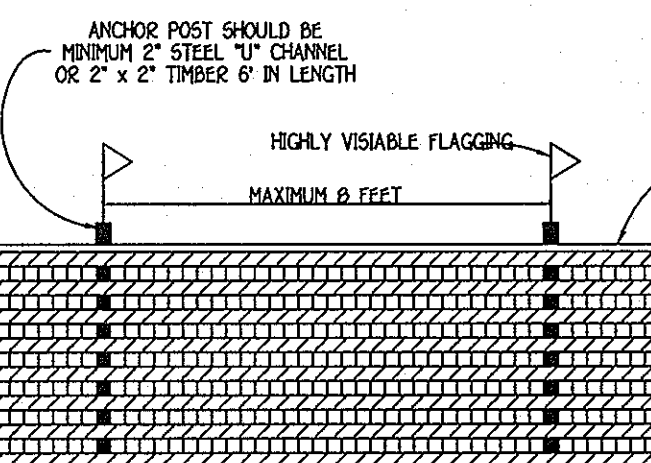
- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-18-99).
- 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND DESIGNING TARGETS.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALCULATED DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 TO 14 DAYS AS TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1986 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR PERMANENT SEEDING (SEC. 90, 500 (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 50); TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMSSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7. SITE ANALYSIS:
 - TOTAL AREA OF SITE: 1620 ACRES
 - AREA DISTURBED: 1328 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.871 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.897 ACRES
 - TOTAL CUT: 0.32 CUDYDS.
 - TOTAL FILL: 0.05 CUDYDS.
- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, 4000 SQ. FT. OF THE INSPECTION AREA SHALL BE SUBJECT TO INSPECTION UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL DEVICES AND BEFORE PROCEEDING WITH ANY OTHER SITE DISTURBANCE OR LOGGING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- 11. 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.

PERMANENT SEEDING NOTES

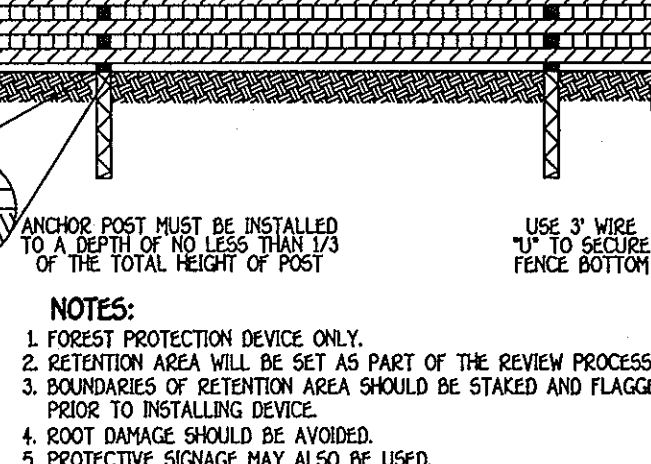
- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
 APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. TIME OF SEEDING: APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (19 LBS./1000 SQ.FT.) AND 400 LBS. PER ACRE 0-15-15 FERTILIZER (1000 SQ.FT.) OF 10-20-20 FERTILIZER.
- SEEDING:**
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - 140 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) - USE 500 GALLONS PER ACRE OF MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDING.
- MULCHING:**
 APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNWITTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER SEEDING USING MULCH ANCHORING TOOL OR 2/8" GALVANIZED OR ALUMINUM CHAIN LINK FENCING WITH A LAYER OF FILTER CLOTH EMBDED 8" MINIMUM INTO GROUND. * IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH. * FOR MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH.

- SEQUENCE OF CONSTRUCTION**
 - OBTAIN GRADING PERMIT.
 - INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1-30 days)
 - PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2-60 days)
 - CONSTRUCT DWELLING ON SITE. (1-90 days)
 - AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, PERFORM PERIMETER SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

- TEMPORARY SEEDING NOTES**
 APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS:
 APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.)
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - 140 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) - USE 500 GALLONS PER ACRE OF MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDING.
- MULCHING:**
 APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNWITTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER SEEDING USING MULCH ANCHORING TOOL OR 2/8" GALVANIZED OR ALUMINUM CHAIN LINK FENCING WITH A LAYER OF FILTER CLOTH EMBDED 8" MINIMUM INTO GROUND. * IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH. * FOR MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH.



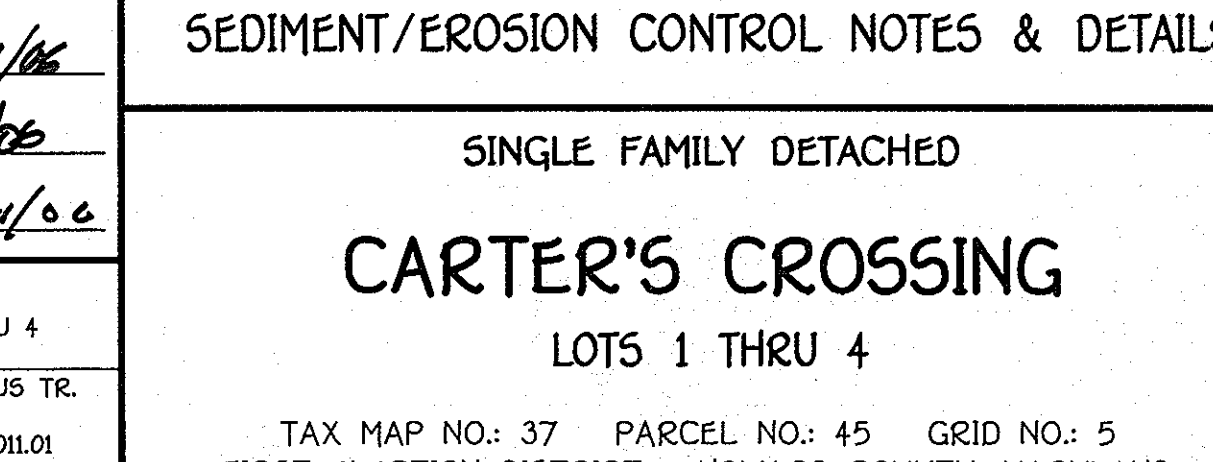
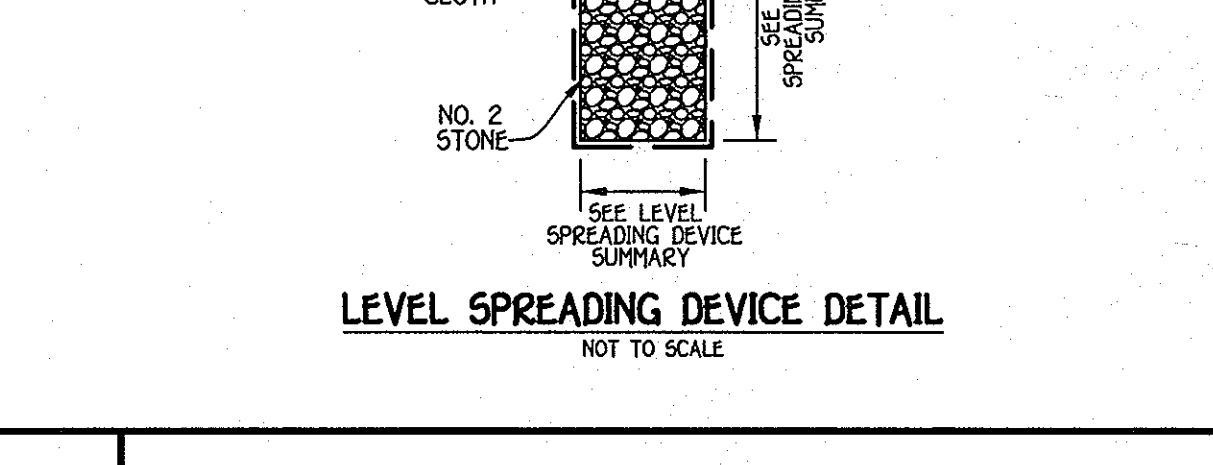
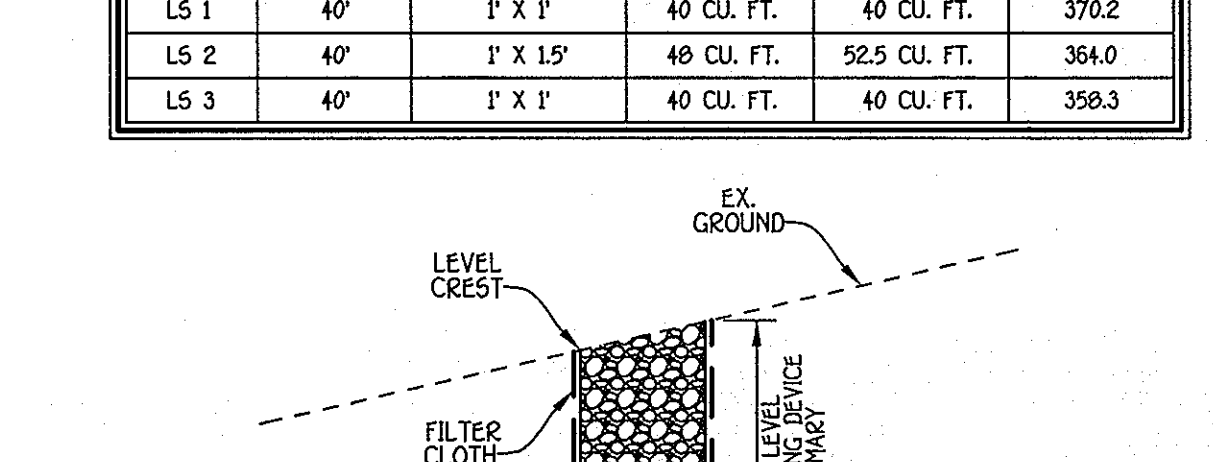
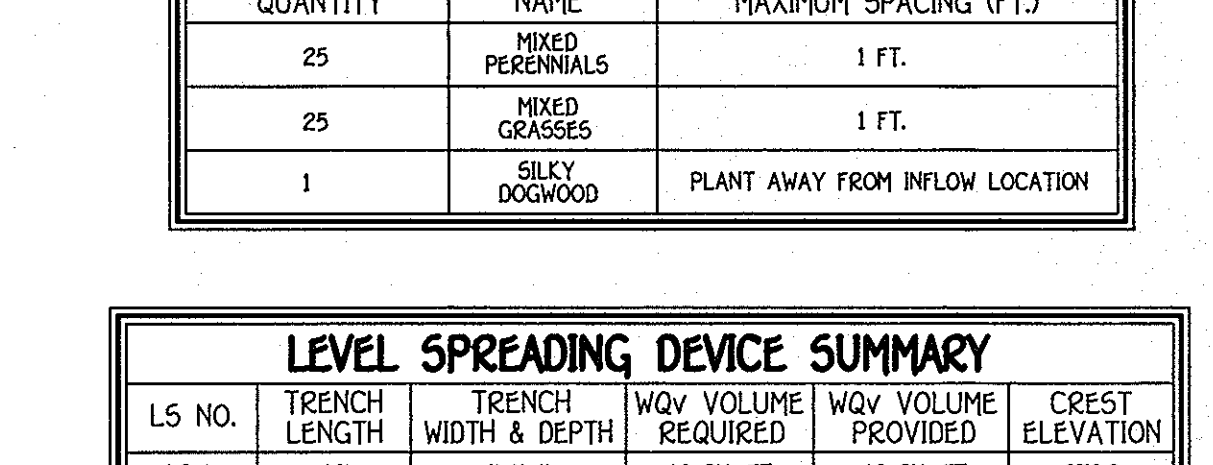
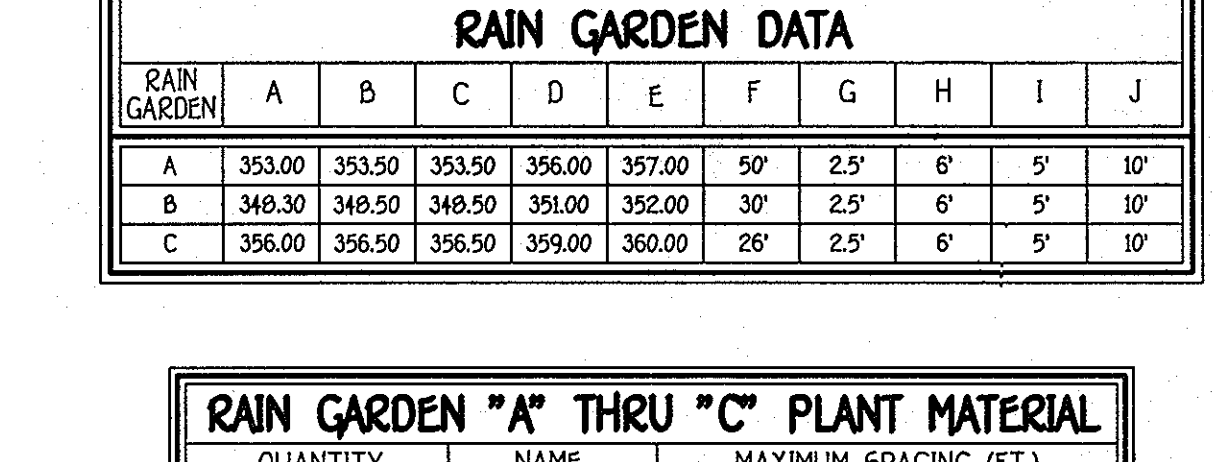
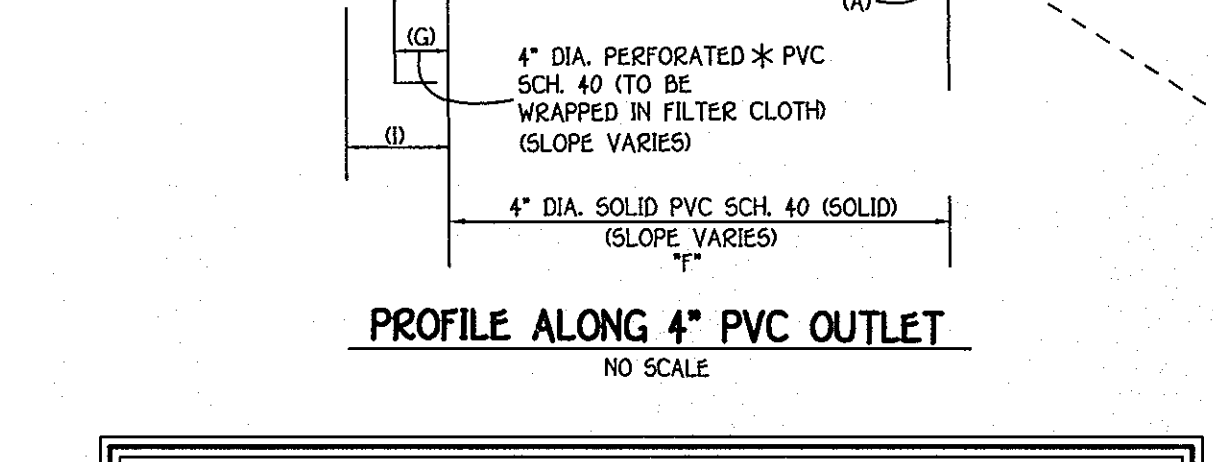
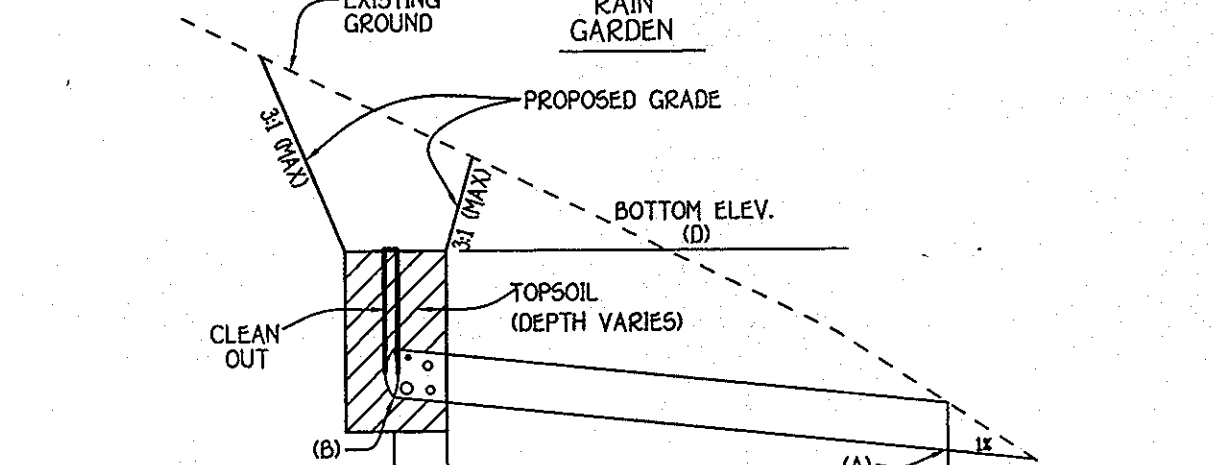
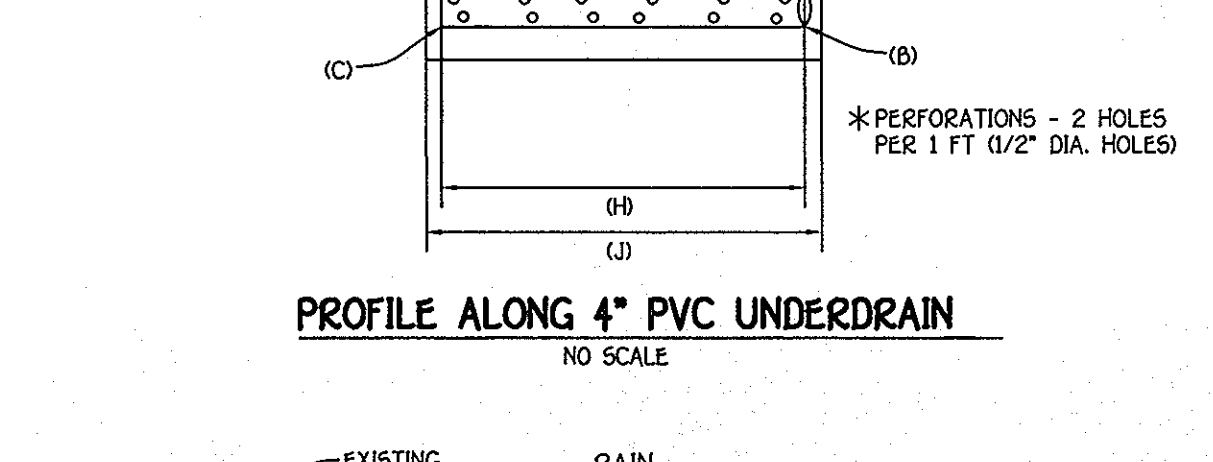
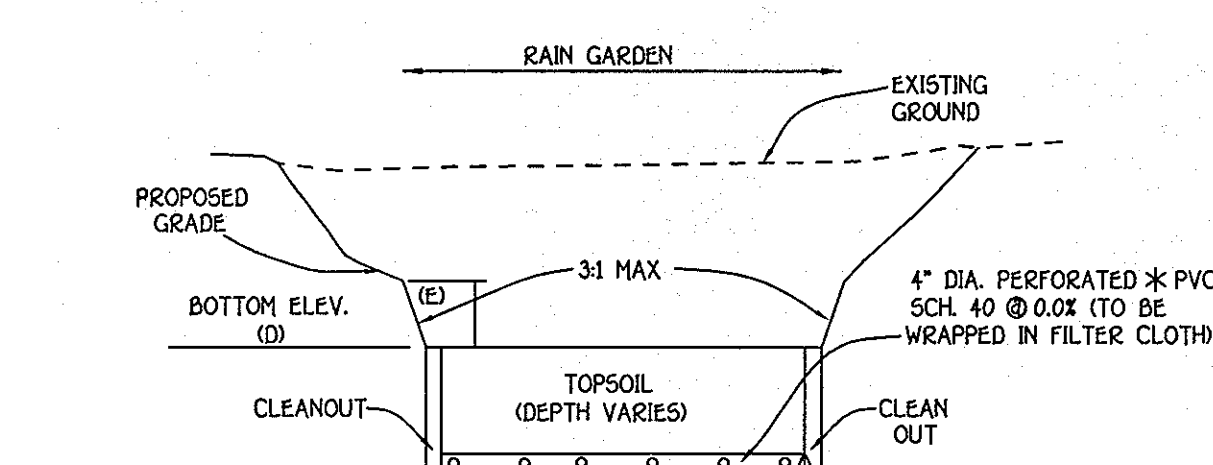
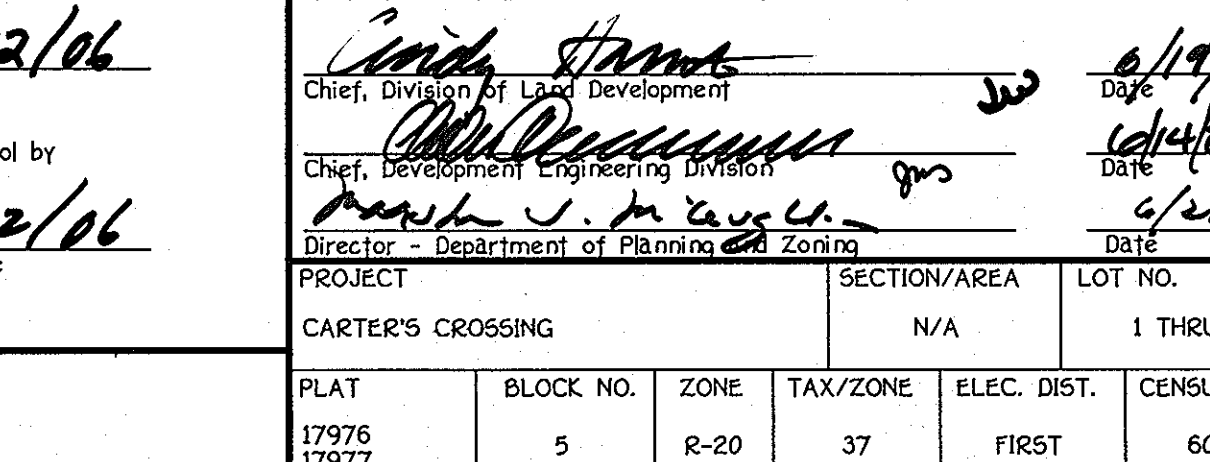
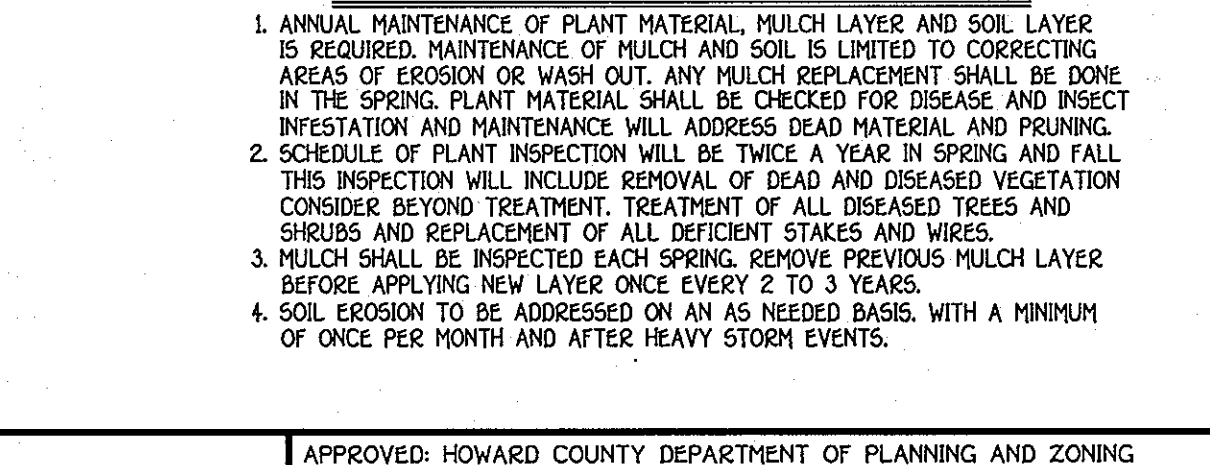
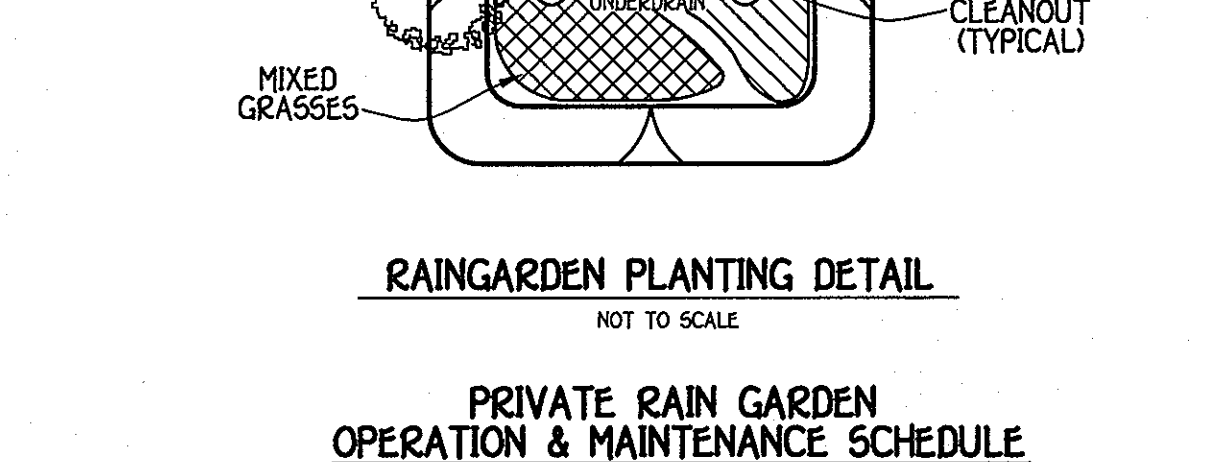
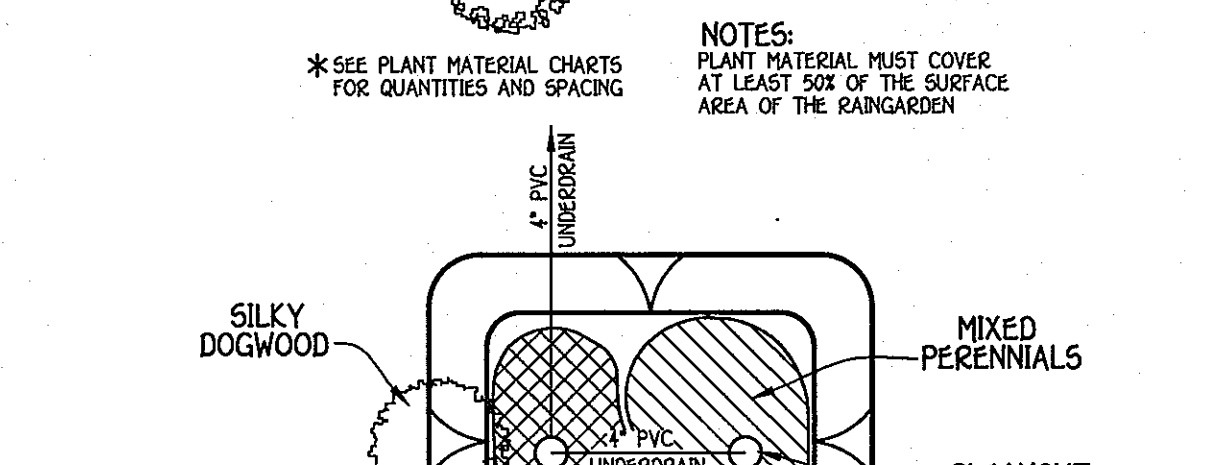
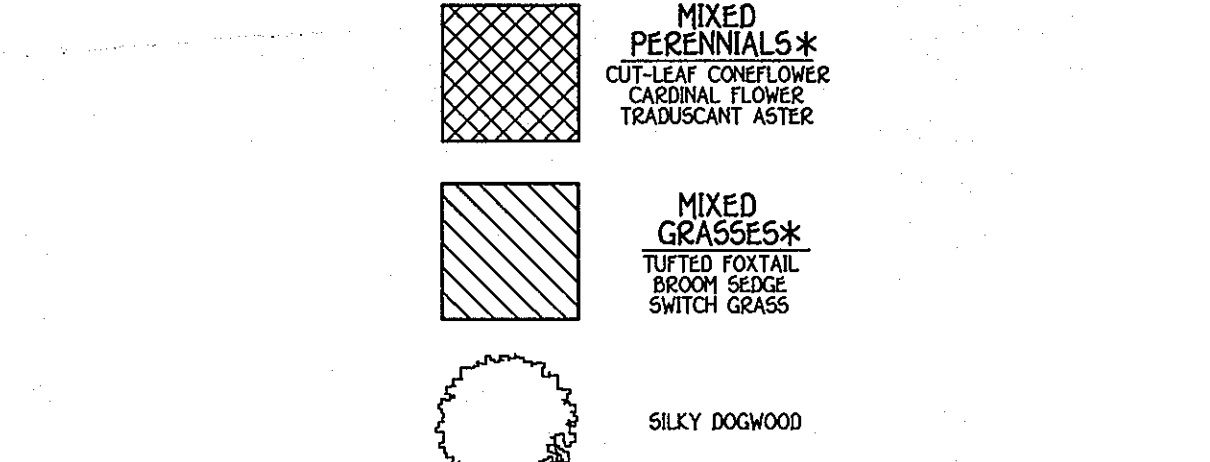
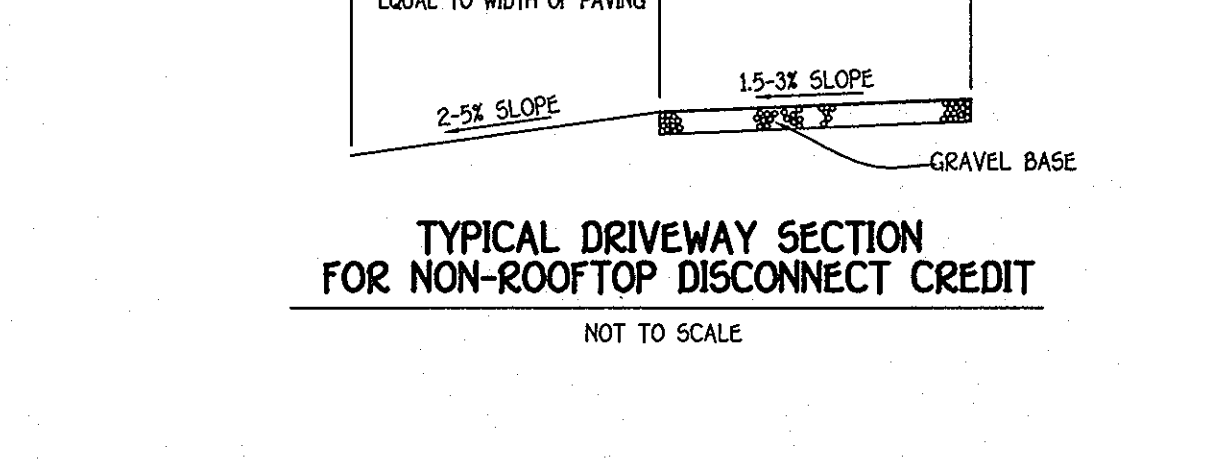
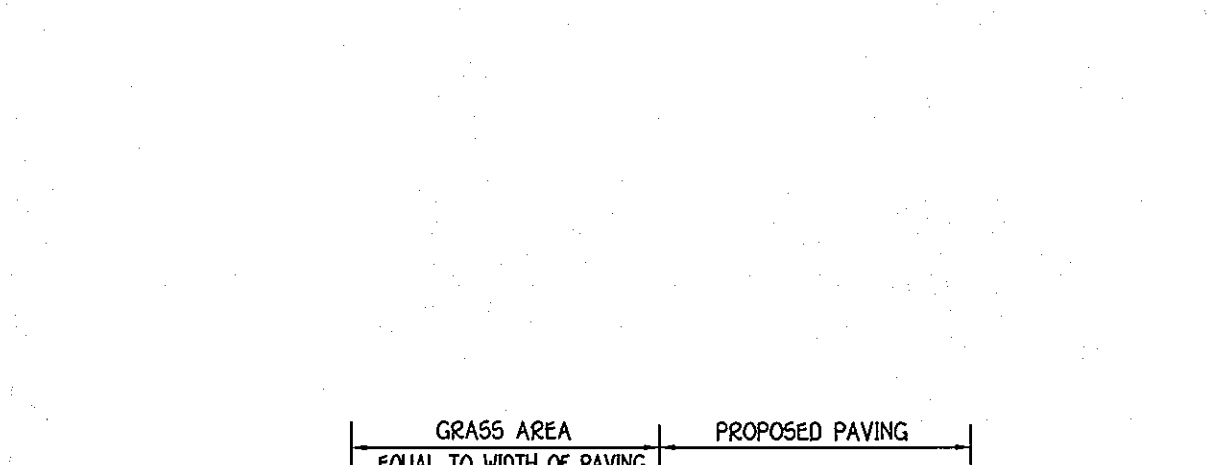
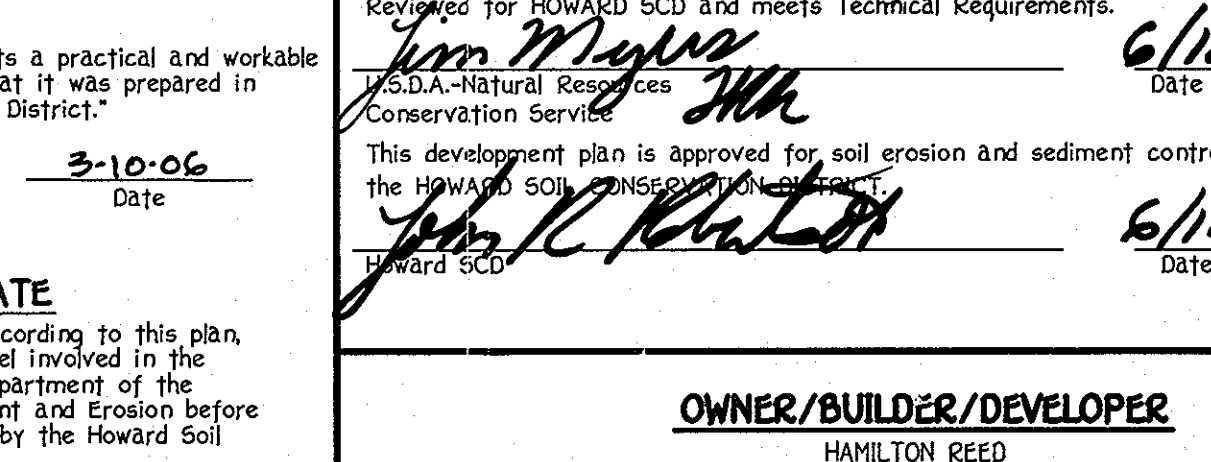
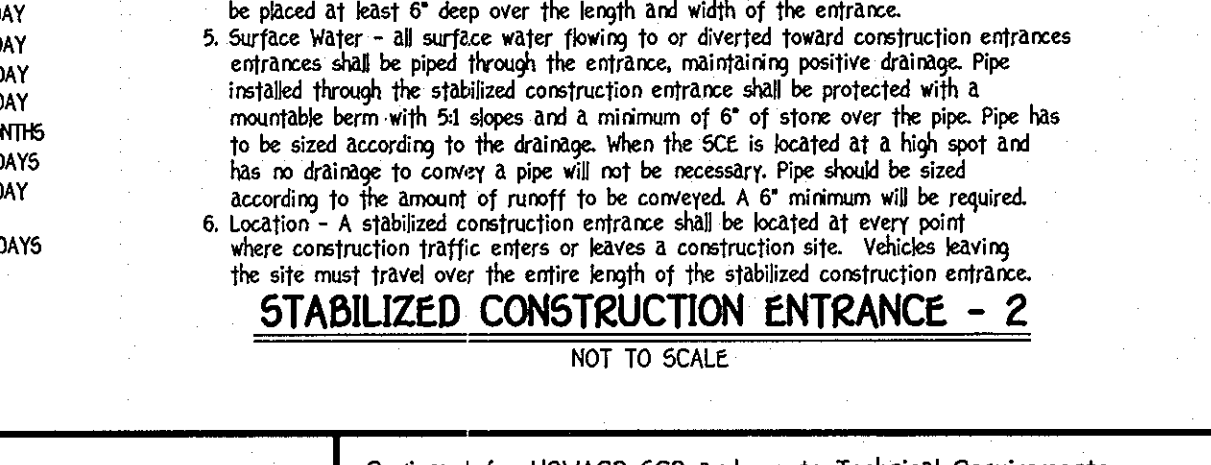
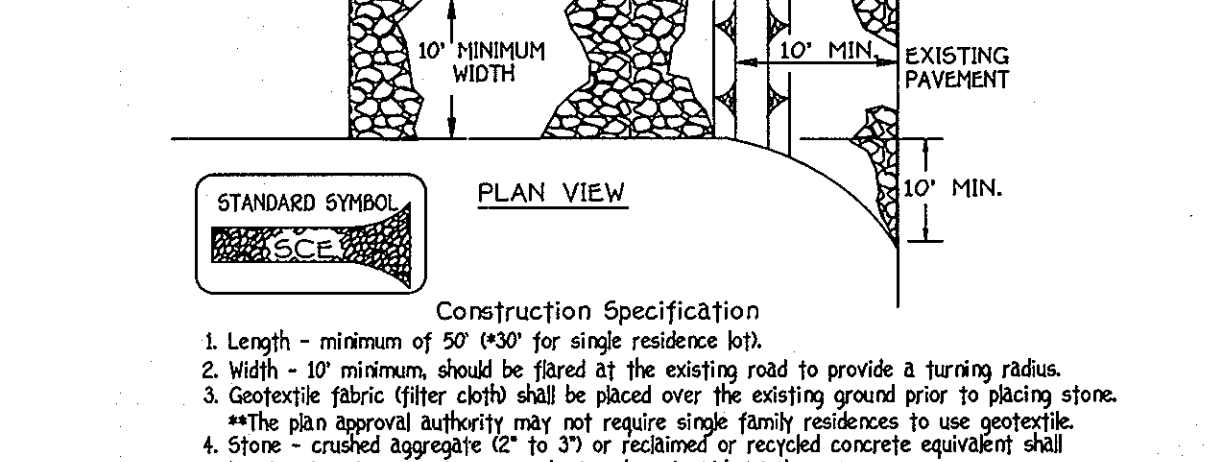
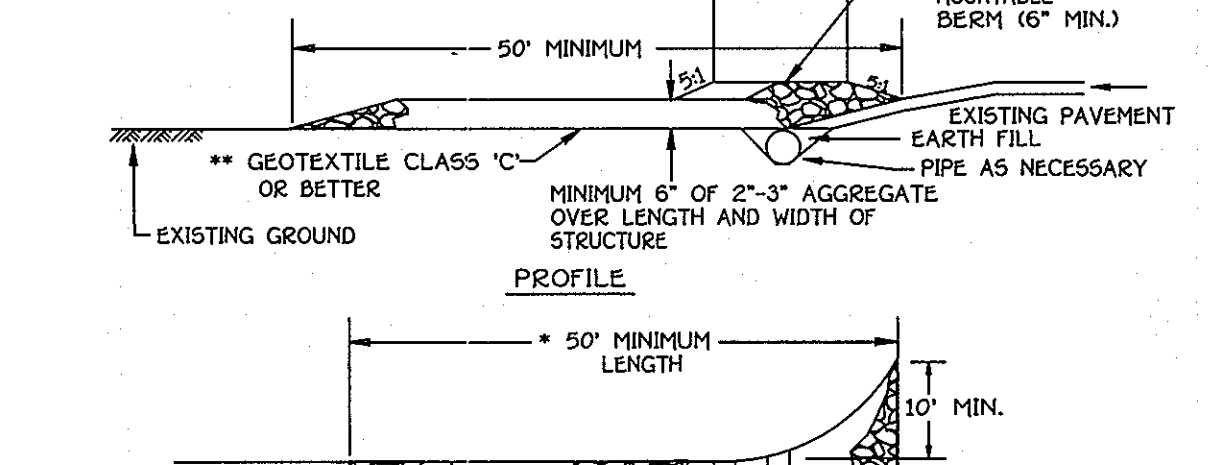
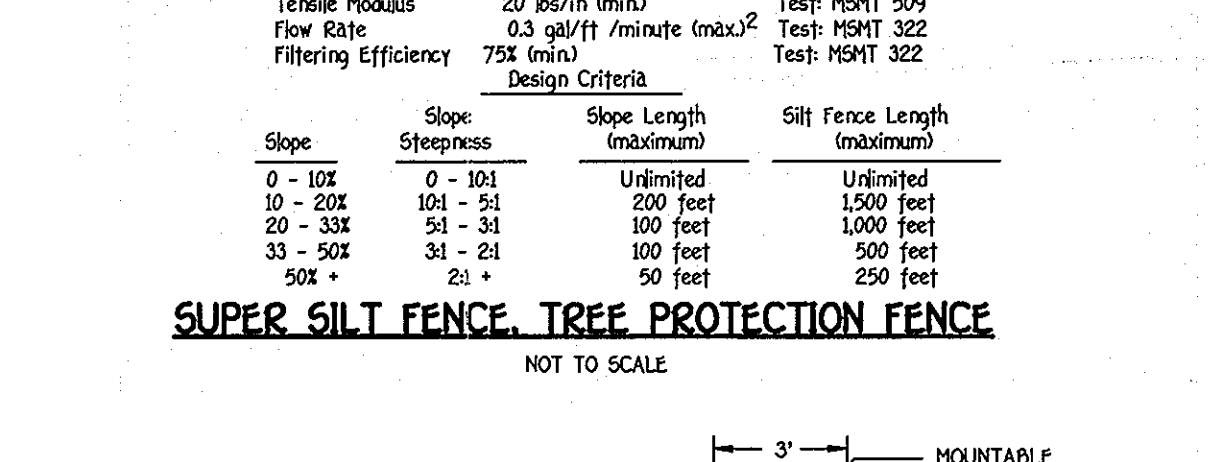
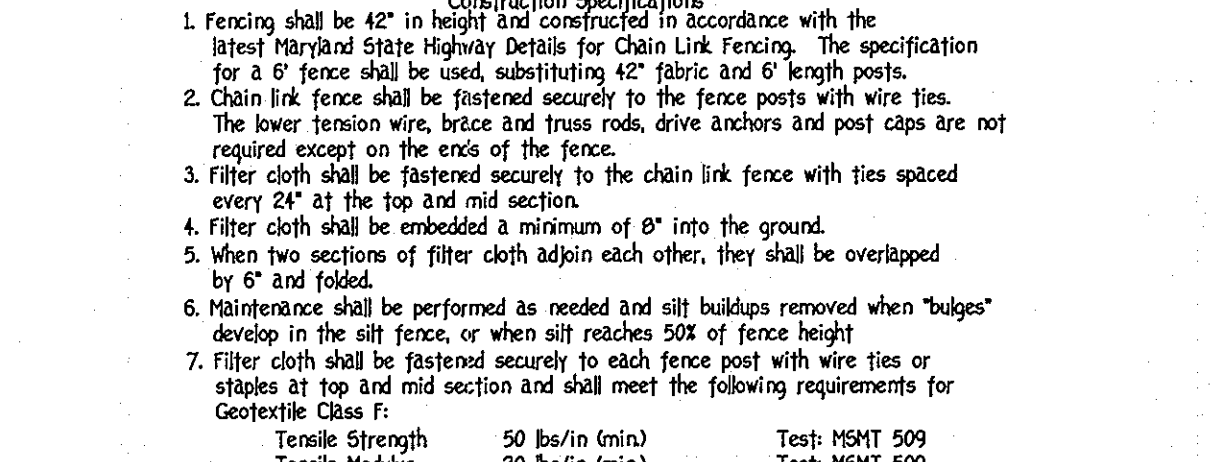
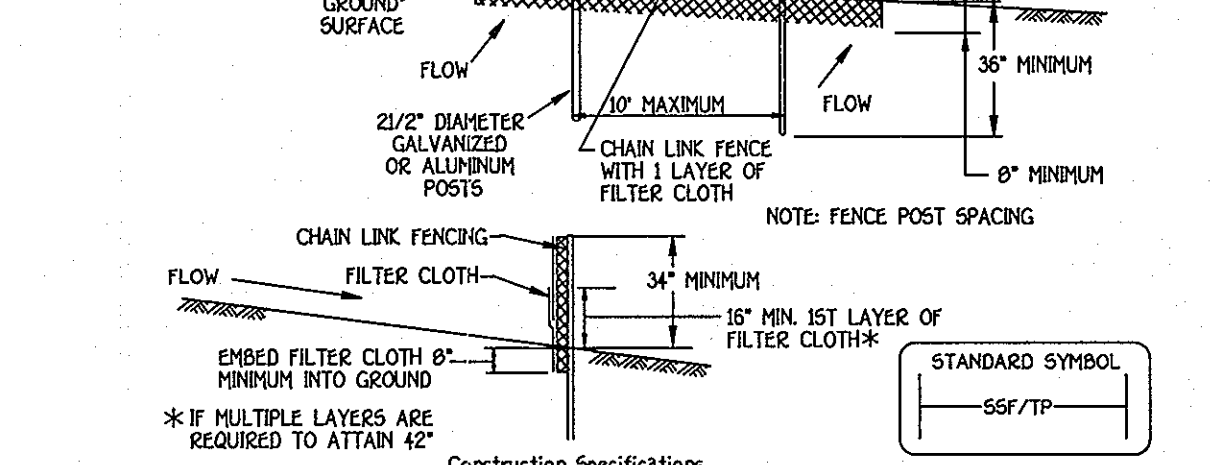
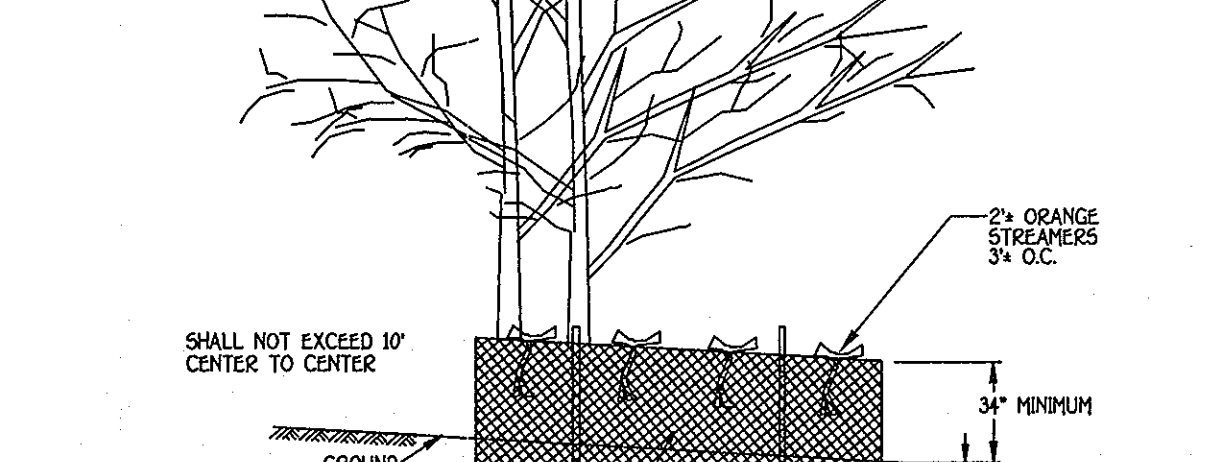
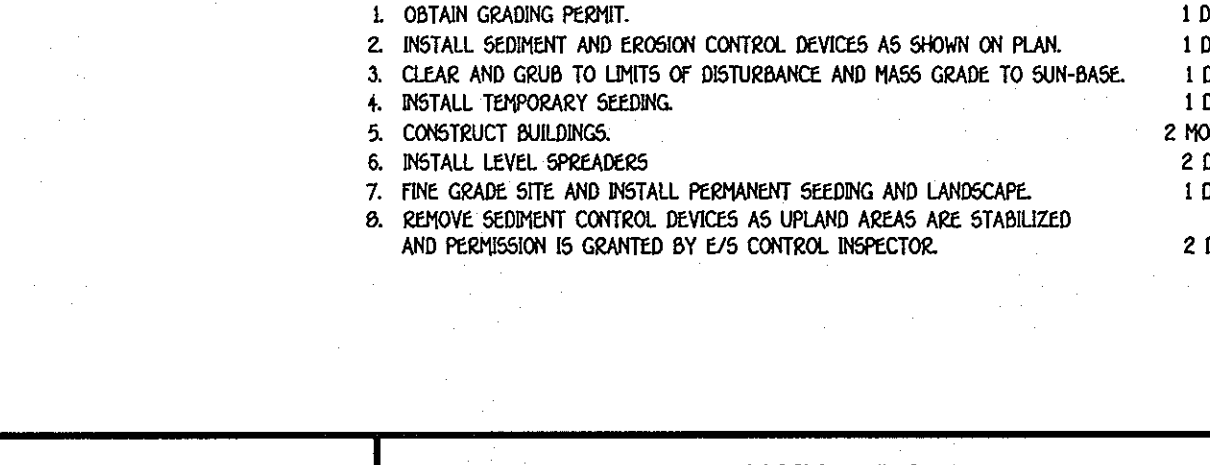
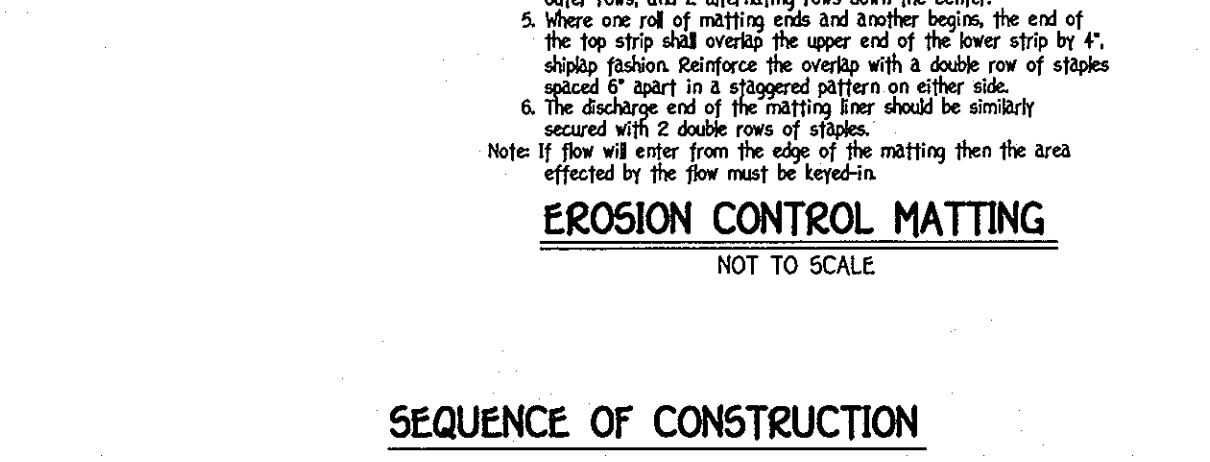
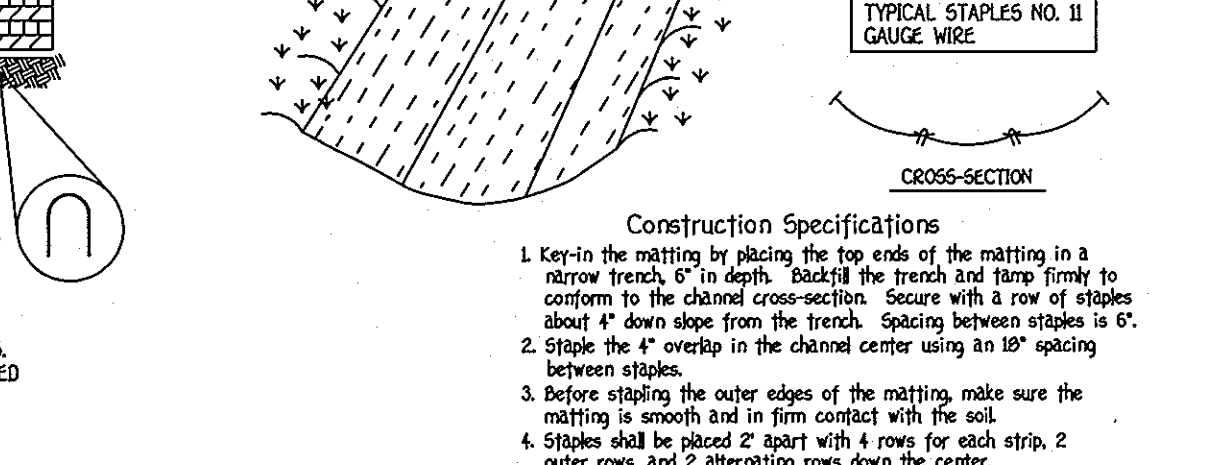
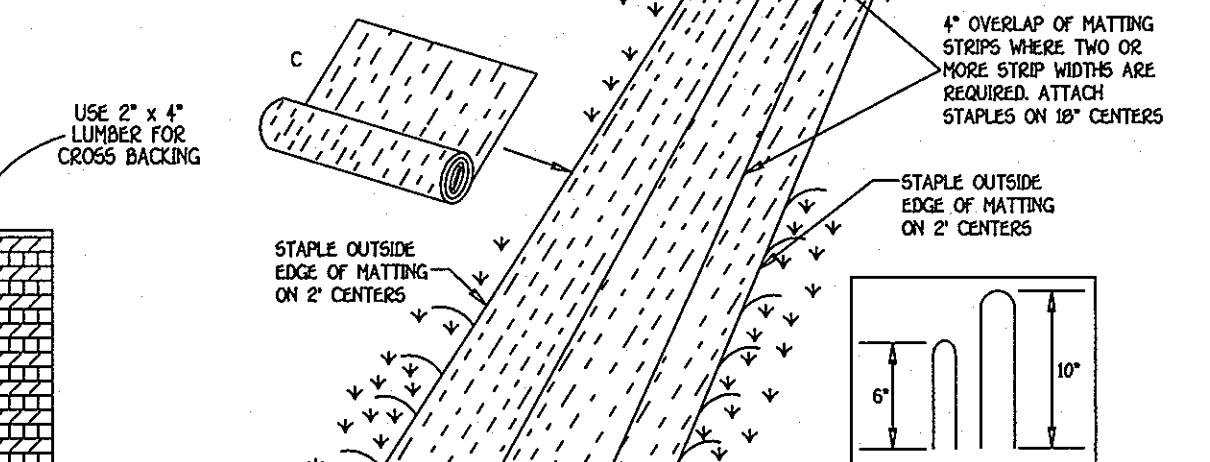
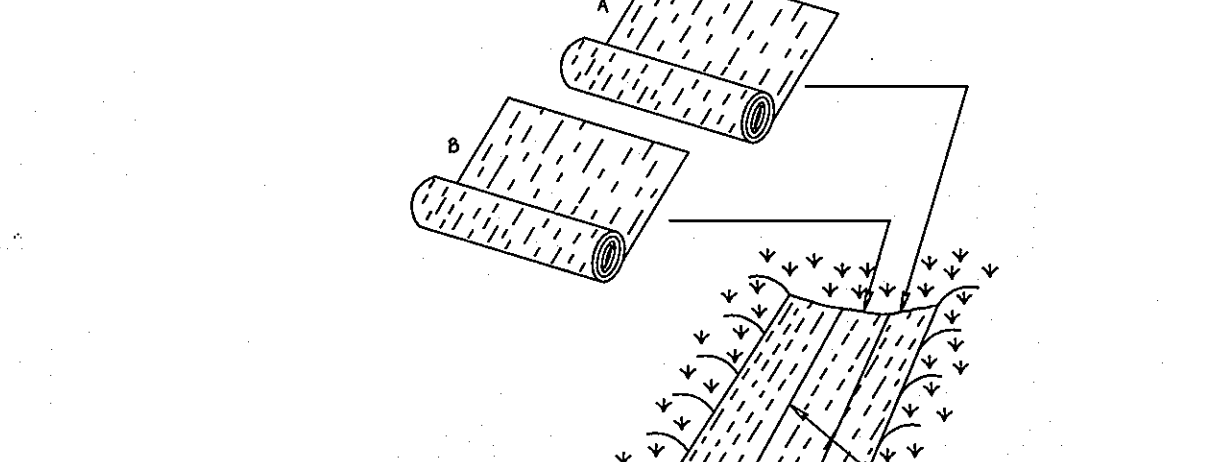
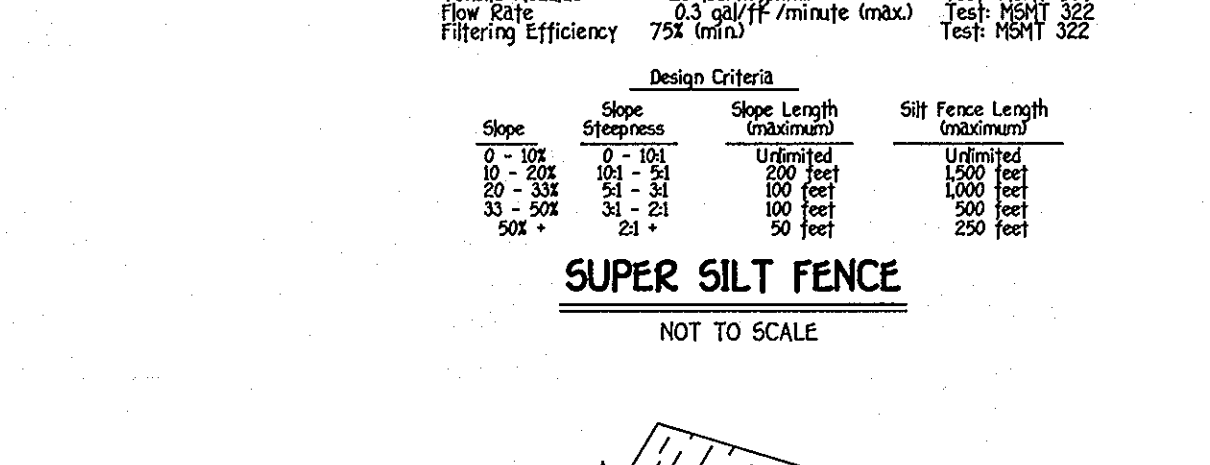
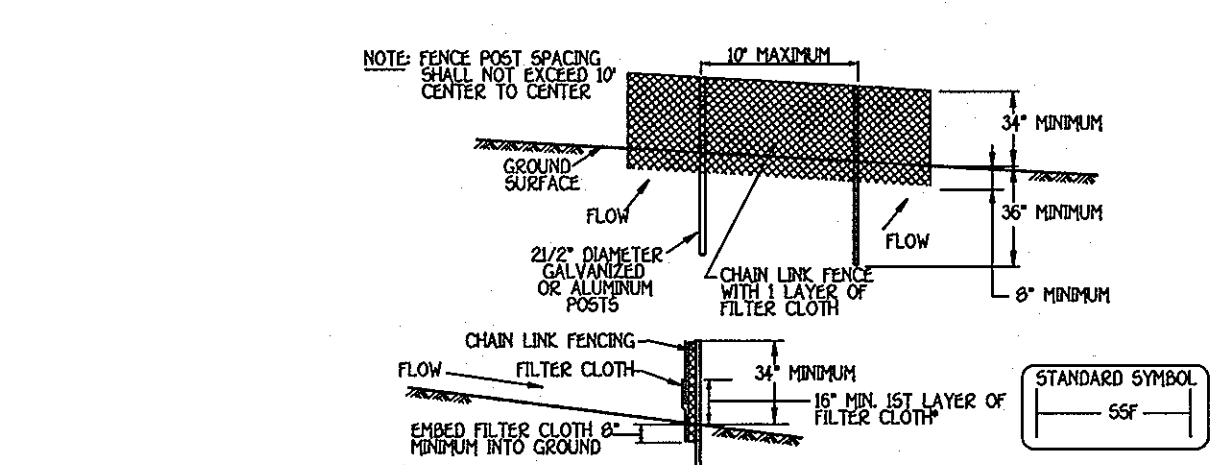
- PERMANENT SEEDING NOTES**
 ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
 APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. TIME OF SEEDING: APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (19 LBS./1000 SQ.FT.) AND 400 LBS. PER ACRE 0-15-15 FERTILIZER (1000 SQ.FT.) OF 10-20-20 FERTILIZER.
- SEEDING:**
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - 140 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) - USE 500 GALLONS PER ACRE OF MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDING.
- MULCHING:**
 APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNWITTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER SEEDING USING MULCH ANCHORING TOOL OR 2/8" GALVANIZED OR ALUMINUM CHAIN LINK FENCING WITH A LAYER OF FILTER CLOTH EMBDED 8" MINIMUM INTO GROUND. * IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH. * FOR MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42" MINIMUM STRENGTH.



- BLAZE ORANGE PLASTIC MESH TREE PROTECTION DETAIL**
 NOT TO SCALE

- EROSION CONTROL MATTING**
 NOT TO SCALE

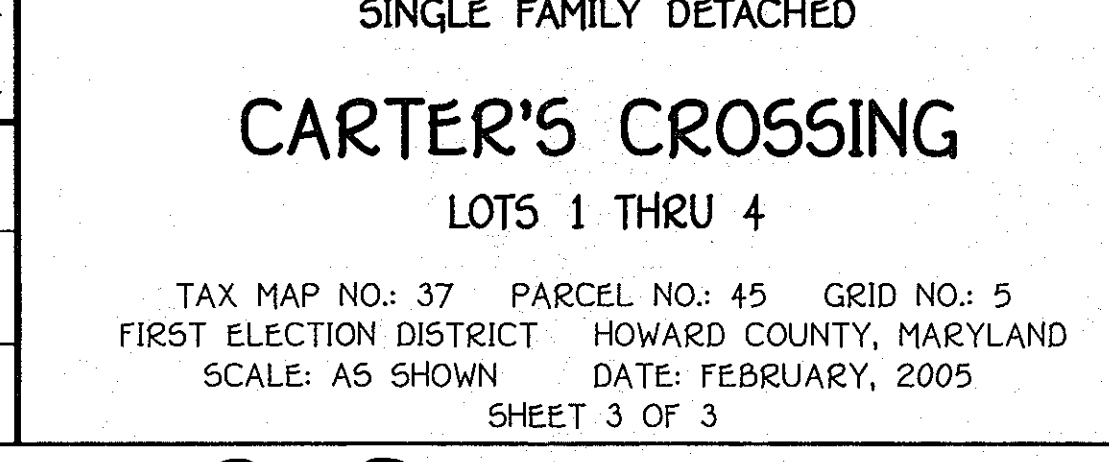
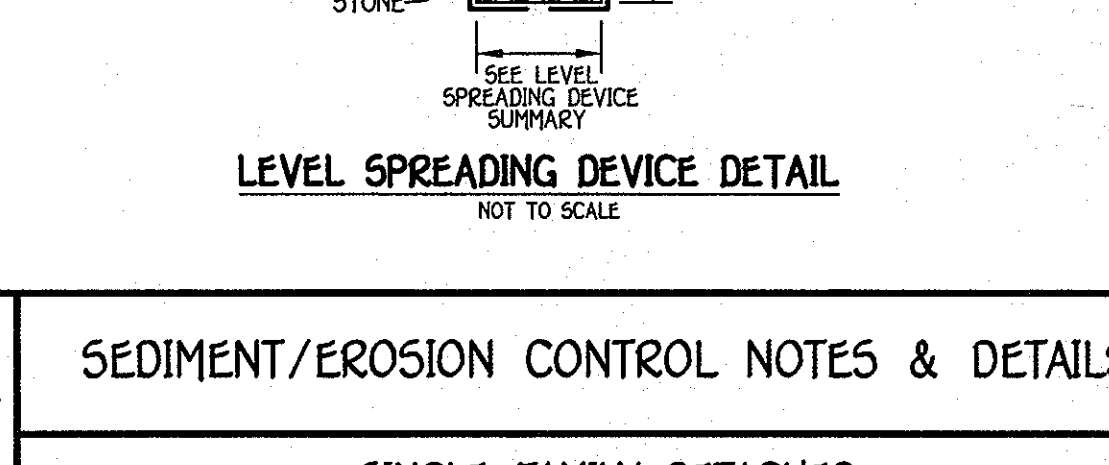
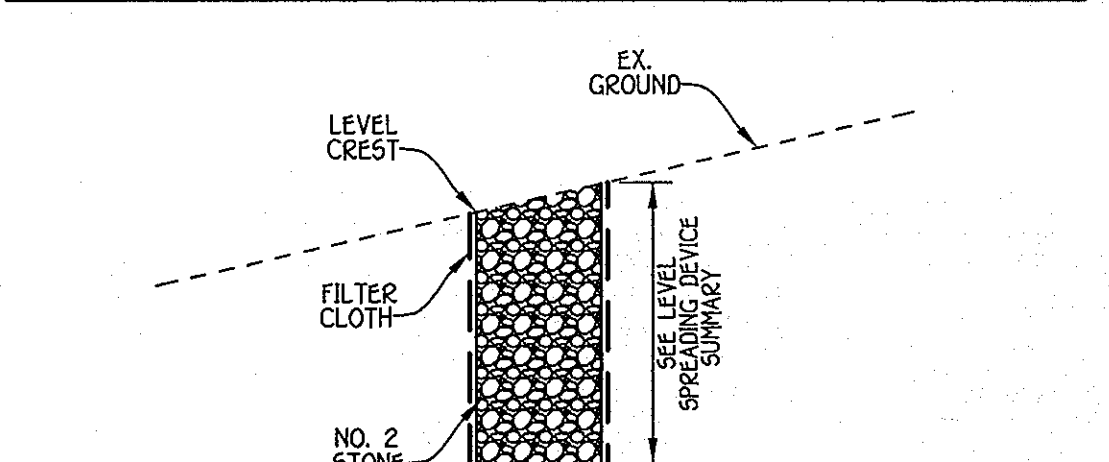
NO.	REVISION	DATE



RAIN GARDEN DATA											
RAIN GARDEN	A	B	C	D	E	F	G	H	I	J	
A	353.00	353.50	353.50	356.00	357.00	50'	2.5'	6'	5'	10'	
B	348.30	348.50	348.50	351.00	352.00	30'	2.5'	6'	5'	10'	
C	356.00	356.50	356.50	359.00	360.00	26'	2.5'	6'	5'	10'	

RAIN GARDEN "A" THRU "C" PLANT MATERIAL			
QUANTITY	NAME	MAXIMUM SPACING (FT.)	
25	MIXED PERENNIALS	1 FT.	
25	MIXED GRASSES	1 FT.	
1	SILKY DOGWOOD	PLANT AWAY FROM INFLOW LOCATION	

LEVEL SPREADING DEVICE SUMMARY						
LS NO.	TRENCH LENGTH	TRENCH WIDTH & DEPTH	WQV VOLUME REQUIRED	WQV VOLUME PROVIDED	CREST ELEVATION	
LS 1	40'	1' X 1'	40 CU. FT.	40 CU. FT.	370.2	
LS 2	40'	1' X 1.5'	48 CU. FT.	52.5 CU. FT.	364.0	
LS 3	40'	1' X 1'	40 CU. FT.	40 CU. FT.	359.3	



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 1872 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-3099

ENGINEER'S CERTIFICATE
 I certify that this plan for erosion and sediment control represents a practical and workable design 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.

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 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.

OWNER/BUILDER/DEVELOPER
 HAMILTON REED
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 410-480-9105

Reviewed for HOWARD SCD and meets Technical Requirements.

John M. Reed 6/12/06
 President, Hamilton Reed
 Date

John K. Blanton 6/12/06
 Howard SCD
 Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Conrad Starna 6/19/06
 Chief, Division of Land Development
 Date

John D. Peterson 6/19/06
 Chief, Department Engineering Division
 Date

Marion J. M. Gayle, Jr. 6/21/06
 Director - Department of Planning and Zoning
 Date

PROJECT	CARTER'S CROSSING	SECTION/AREA	N/A	LOT NO.	1 THRU 4
PLAT	17976 17977	BLOCK NO.	5	ZONE	R-20
TAX/ZONE	37	ELEC. DIST.	FIRST	CENSUS TR.	601.01
WATER CODE	D04	SEWER CODE	2150562		

SEDIMENT/EROSION CONTROL NOTES & DETAILS

SINGLE FAMILY DETACHED

CARTER'S CROSSING

LOTS 1 THRU 4

TAX MAP NO.: 37 PARCEL NO.: 45 GRID NO.: 5
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: FEBRUARY, 2005
 SHEET 3 OF 3