

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 410-481-3939



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. Collins* Date: 9-21-04
 EARL D. COLLINS

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 by 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: *Stephen F. Pomey* Date: 9-27-04
 STEVE TOCKEY

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *Jim Myers / cs* Date: 10/5/04
 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: *J.R. Robinson / cs* Date: 10/5/04
 HOWARD SCD

OWNER/BUILDER/DEVELOPER

HAMILTON REED
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 410-480-9105

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: *Cindy Hamner* Date: 10/5/04
 Chief, Division of Land Development

Signature: *Mike Wasserman* Date: 10/12/04
 Chief, Development Engineering Division MAJ

Signature: *Marion D. Cooper* Date: 11/15/04
 Director - Department of Planning and Zoning

PROJECT	SECTION	LOTS NO.			
AUTUMN VIEW	SECTION 5 PHASE 1	212,216,230 & 231			
PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15957-15961	21	R-ED	25	SECOND	602B
WATER CODE	SEWER CODE				
F05	1252300				

SEDIMENT/EROSION CONTROL PLAN

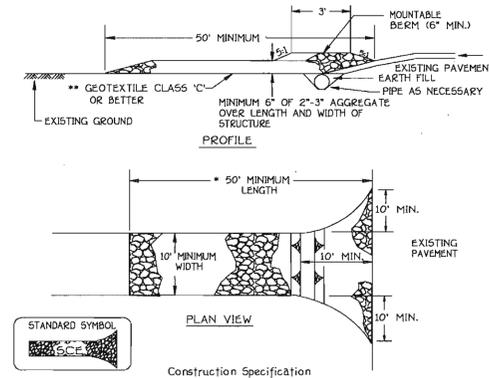
**SINGLE FAMILY DETACHED
 AUTUMN VIEW
 SECTION 5 PHASE 1
 LOTS 212,216,230 & 231**

TAX MAP NO.: 25 P/O PARCEL NO.: 75 GRID NO.: 21
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JUNE, 2004
 SHEET 2 OF 3

SDP-05-001

SEDIMENT CONTROL NOTES

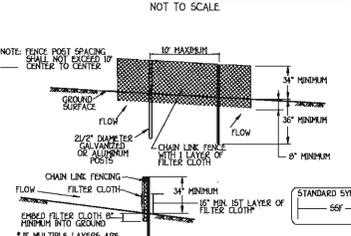
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (SEE 2859.55).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MAPS AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 30 (THIRTY) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 10% IN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TREATMENT DEVICES MUST BE PERMANENTLY MAINTAINED AND MONITORED AS REQUIRED IN ACCORDANCE WITH VOL. 1, CHAPTER 22 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (S.E.C. 211.501 S.E.C. 241) TEMPORARY SEEDING (S.E.C. 211.502) AND MULCHING (S.E.C. 211.503). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY 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.
- PERMITS 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.



Construction Specification

- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be filed at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the pipe is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2



Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used substituting 42" fabric and 6" length posts.
 - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, bridle and tyros rods, drive anchors and post caps are not required except on the ends of the fence.
 - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
 - Filter cloth shall be embedded a minimum of 8" into the ground.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and lapped.
 - Maintenance shall be performed as needed and silt buildup removed when "bulges" develop in the silt fence, or when silt 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 geotextiles (See F):
- | Design Criteria | Slope Strength | Slope Length (Maximum) | Silt Fence Length (Maximum) |
|-----------------|----------------|------------------------|-----------------------------|
| 1 - 10% | 100 - 501 | Unlimited | Unlimited |
| 10 - 20% | 101 - 51 | 200 feet | 1,000 feet |
| 20 - 30% | 51 - 31 | 100 feet | 500 feet |
| 33 - 50% | 31 - 21 | 50 feet | 250 feet |

SUPER SILT FENCE

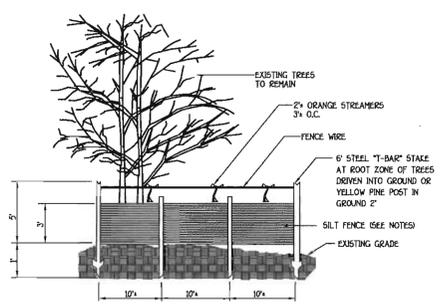
NOT TO SCALE

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
- CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUN-DASE. 1 DAY
- INSTALL TEMPORARY SEEDING. 1 DAY
- CONSTRUCT BUILDINGS. 2 MONTHS
- INSTALL DRYWELLS, LOTS 230 & 231. 2 DAYS
- FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
- REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR. 2 DAYS

TEMPORARY SEEDING NOTES

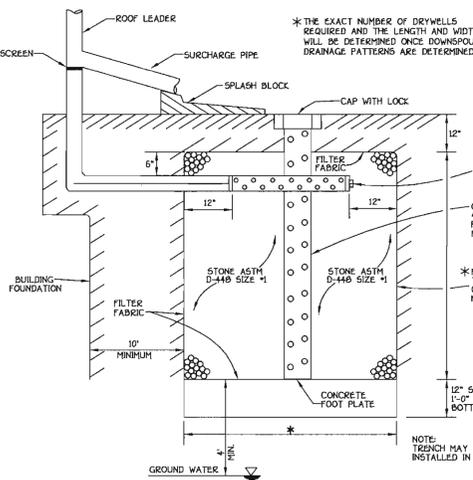
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RE-DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER @ 1 LB./1,000 SQ. FT.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1/2 BUSHEL PER ANNUAL RATE (32 LBS./1,000 SQ. FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 15, SEED WITH 1 LB./ACRE OF MIXING LOVEGRASS (17 LBS./1,000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.
- MULCHING:**
APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/SQ. FT.) OF UNROTTED ASPHALT ON FLAT ACRES ON SLOPES 8 FEET OR HIGHER. USE 3/4 GALLONS PER ACRE (9 GALLONS/SQ. FT.) FOR ANCHORING.
- REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



- Silt Fence to be heeled into the soil.
- Wire, snow fence, etc. for tree protection only.
- Boundaries of Retention Area will be established as part of the forest conservation plan review process.
- Boundaries of Retention Area should be staked and flagged prior to installing device.
- Avoid root damage when placing anchor posts.
- Device should be properly maintained throughout construction.
- Protection signs are also required, see Figure C-4.
- Locate fence outside the Critical Root Zone.

SILT FENCE & TREE PROTECTION

NOT TO SCALE



DRY WELL DETAIL

NOT TO SCALE

LOT NO.	AREA OF ROOF PER DOWN SPOT	VOLUME REQUIRED	AREA OF STORAGE	AREA OF TREATMENT	NO. OF DRYWELLS	D	L	W
LOT 230	* 467 SQ. FT.	28 CF	100X	100X	1	3	4	4
	* 466 SQ. FT.	28 CF	100X	100X	1	3	4	4
LOT 231	* 427 SQ. FT.	25 CF	100X	100X	1	3	4	4
	* 338 SQ. FT.	19 CF	100X	100X	1	3	4	4
LOT 231	* 483 SQ. FT.	29 CF	100X	100X	1	3	4	4
	* 286 SQ. FT.	17 CF	100X	100X	1	3	4	4
	* 500 SQ. FT.	30 CF	100X	100X	1	3	4	4

STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL.
- CREDITS ARE GIVEN FOR DISCONNECTION OF IMPERVIOUS COVERS.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOT SHALL BE LESS THAN 500 SQ. FT.
- 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.
- FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.

EROSION CONTROL MATTING

NOT TO SCALE

- Key-in the matting by placing the top ends of the matting in a narrow trench 6" in depth. Stake the trench and slope firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
 - Staple the 4" overlap in the channel center using an 8" spacing between staples.
 - Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 - Staples shall be placed 2' apart with 4 rows for each strip. 2 outer rows, and 2 alternating rows down the center.
 - Where one roll of matting ends, the other begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shingle fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 - The discharge end of the matting line should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area effected by the flow must be treated.

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. Collins* Date: 9-21-04

DEVELOPER'S CERTIFICATE

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Signature of Developer: *Stephen F. Feeney* Date: 9-21-04

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *Jim Mays* Date: 10/5/04

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

Signature: *J.R. Robertson* Date: 10/5/04

OWNER/BUILDER/DEVELOPER

HAMILTON REED
8000 MAIN STREET
ELLCOTT CITY, MARYLAND 21043
410-480-9105

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: *Cindy Hamats* Date: 10/5/04

Signature: *Mark J. ...* Date: 10/12/04

Signature: *...* Date: 10/15/04

PROJECT: AUTUMN VIEW SECTION/AREA: SECTION 5 PHASE 1 LOT NO.: 212,216,230 & 231

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15957-15961	21	R-20	25	SECOND	602B

WATER CODE	SEWER CODE
F05	1252300

SEDIMENT/EROSION CONTROL NOTES & DRYWELL DETAILS

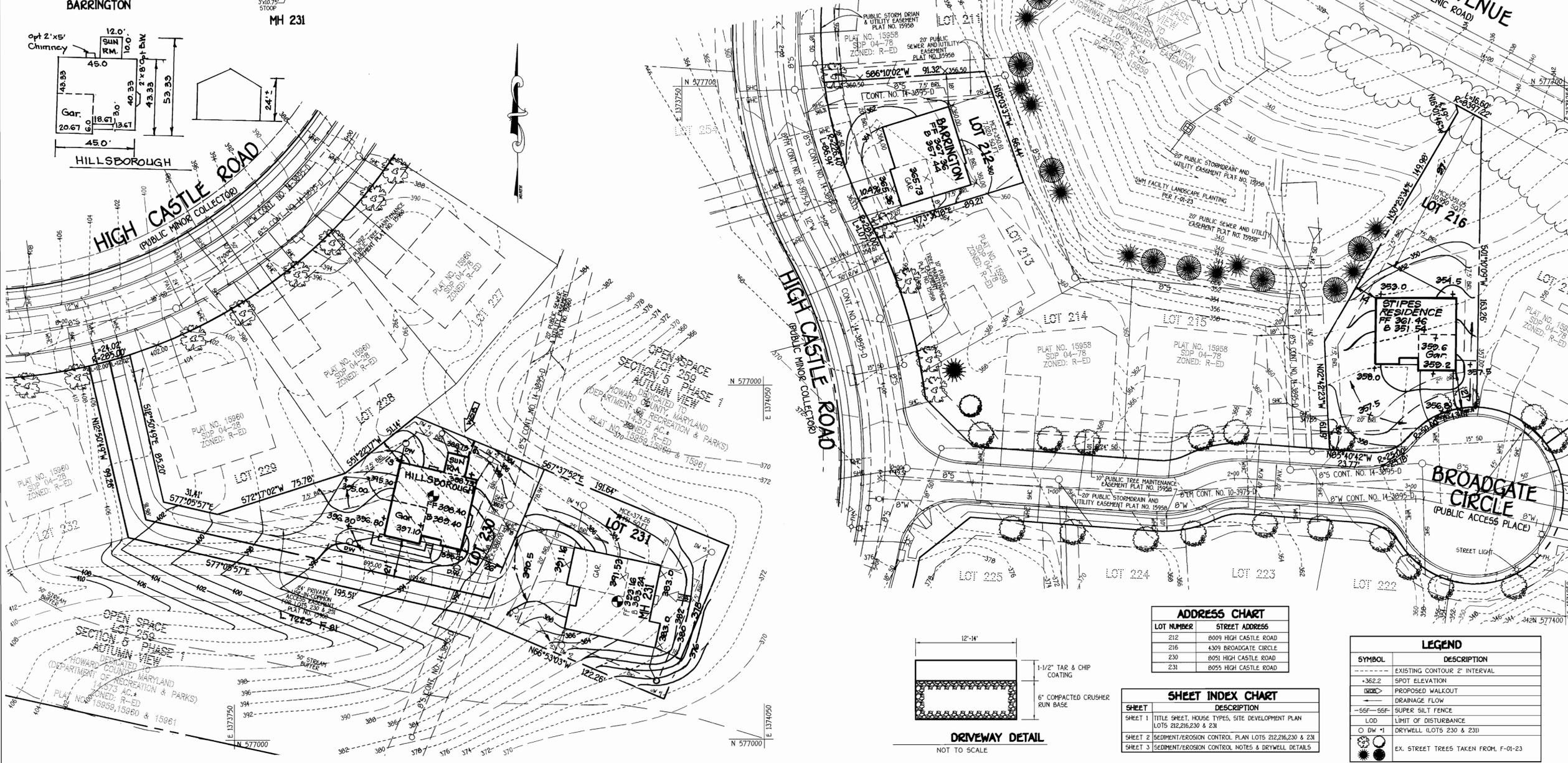
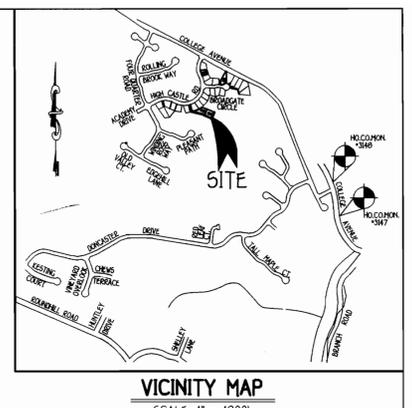
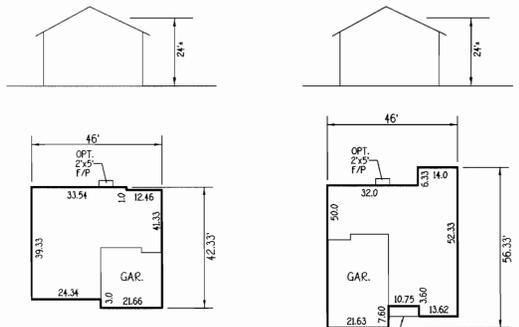
SINGLE FAMILY DETACHED
AUTUMN VIEW
SECTION 5 PHASE 1
LOTS 212,216,230 & 231

TAX MAP No.: 25 P/O PARCEL No.: 75 GRID NO.: 21
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: A5 SHOWN DATE: JUNE, 2004
SHEET 3 OF 3

SDP-05-001

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CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FREE
ELLCOTT CITY, MARYLAND 21042
410.486.2295





- ### GENERAL NOTES
- SUBJECT PROPERTY ZONED R-ED PER THE 2007/04 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF SITE: 10073 ACRES.
 - TOTAL NUMBER OF LOTS SUBMITTED: A SINGLE FAMILY DETACHED.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410)333-2800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "M&S UTILITY" AT (410)257-7777 AT LEAST 48 HOURS PRIOR TO ANY UTILITIES WORK.
 - THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES P-00-08, S-99-01, AMENDED S-99-01, WATER & SEWER CONTRACTS H-3099-D & H-3099-D AND F-01-23.
 - THE EXISTING TOPOGRAPHY SHOWN HAS BEEN TAKEN FROM APPROVED ROAD CONSTRUCTION PLANS F-01-30, PREPARED BY HEIDENBURG, BOONER & ASSOC., INC.
 - HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PRESENTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS, HOWARD COUNTY MONUMENT 347 N07590.07M, ELLICOTT 1504 ELLICOTT 1535-907 IRON PIN - EDGE OF ROAD HOWARD COUNTY MONUMENT 340 N07590.07M, ELLICOTT 1504 ELLICOTT 1535-907 CONCRETE MONUMENT-NORTH SIDE OF COLLEGE AVENUE.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - THIS PLAN IS FOR HOUSE SETTING AND GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHTS-OF-WAY OF THIS S.D.P. ARE NOT TO BE USED FOR CONSTRUCTION FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-01-30 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. H-3099-D AND H-3099-D.
 - CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT PROPERTY LINE PRIOR TO CONSTRUCTION.
 - STORMWATER MANAGEMENT WILL BE PROVIDED AS APPROVED ON THE ROAD CONSTRUCTION DRAWINGS FILED UNDER F-01-23. STORMWATER MANAGEMENT FACILITIES WILL BE PROVIDED BY THE METHOD OF EXTENDED DETENTION. STORMWATER MANAGEMENT FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED BY THE HOA. LOTS 230 & 231 SHALL HAVE DRYWELLS PER F-01-23. SEE SHEET 3 OF 3 FOR DRYWELL DETAIL AND VOLUME REQUIREMENTS.
 - STREET TREES AND PERIMETER LANDSCAPING IN ACCORDANCE WITH SECTION 10.01 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, SHALL BE AS SHOWN ON THE APPROVED ROAD CONSTRUCTION DRAWINGS FOR F-01-23. SUBMITTY HAS BEEN POSTED WITH THE DEVELOPER'S AGREEMENTS FOR THOSE PROJECTS.
 - FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 10.02 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL, HAVE BEEN SATISFIED PER F-01-23 & F-01-30.
 - FOR DRIVEWAY ENTRANCE DETAILS REFER TO HOA CO. DESIGN MANUAL, VOL. IV, 5TH DETAIL, 8.0.05.
 - IN ACCORDANCE WITH SECTION 10.03 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, PORCHES OR EXTENDED STAIRWAYS NOT MORE THAN 10 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/BUFFERS OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENTS.
 - DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW BUILDINGS TO INSURE 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 WITH AN OVER COATING 0.5" MIN. OF CONCRETE - PARALLEL TO GRADE CHANGE AND 15 FOOT TURNING RADII.
 - STRUCTURES - BRIDGES/CULVERTS CAPABLE OF SUPPORTING 25 GROSS TONS 80% LOADING
 - DRAINAGE - ELEMENTS CAPABLE OF SAFETY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
 - LOTS 230 THRU 235 SECTION 5 PHASE 1 SHALL HAVE UNITS FACING COLLEGE AVENUE IN ACCORDANCE WITH P.A. CASE 129 AND 599-01.
 - THERE ARE NO BUREAU OR CORPORATION SITES LOCATED ON THE SITE BY VISUAL INSPECTION.
 - THIS PLAN IS SUBJECT TO THE AMENDED 10TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY CP-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.

ADDRESS CHART

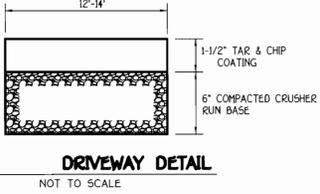
LOT NUMBER	STREET ADDRESS
212	8009 HIGH CASTLE ROAD
216	4309 BROADGATE CIRCLE
230	8051 HIGH CASTLE ROAD
231	8055 HIGH CASTLE ROAD

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
•	SPOT ELEVATION
---	PROPOSED WALKOUT
---	DRAINAGE FLOW
---	SUPER SILT FENCE
---	LOD - LIMIT OF DISTURBANCE
○	DRYWELL (LOTS 230 & 231)
○	EX. STREET TREES TAKEN FROM F-01-23

SHEET INDEX CHART

SHEET	DESCRIPTION
SHEET 1	TITLE SHEET, HOUSE TYPES, SITE DEVELOPMENT PLAN LOTS 212,216,230 & 231
SHEET 2	SEDIMENT/EROSION CONTROL PLAN LOTS 212,216,230 & 231
SHEET 3	SEDIMENT/EROSION CONTROL NOTES & DRYWELL DETAILS



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 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PARK
 ELLICOTT CITY, MARYLAND 21114
 (410) 661 - 2955

NO.	REVISION	DATE
3	Rev. hse. & grd. lot 216, Rev. FF & Bsm't Elev's lots 212 and 231	10-4-05
2	Rev. grd. lot 231	5-10-05
1	Rev. hse & grd. Lot 230	4/2005

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. Collins* Date: 9-21-04

BUILDER/DEVELOPER'S CERTIFICATE

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Signature of Developer: *Stephen P. Penny* Date: 9-27-04

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *Jim Myer / GS* Date: 10/5/04
 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: *R. K. Sebastian / GS* Date: 10/5/04
 Howard SCD

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: *Condy Hamata* Date: 10/15/04
 Chief, Division of Land Development

Signature: *Paul D. Williams* Date: 10/12/04
 Chief, Development Engineering Division MAJ

Signature: *Janice D. Taylor* Date: 10/11/04
 Director - Department of Planning and Zoning

PROJECT	SECTION	LOTS NO.
AUTUMN VIEW	SECTION 5 PHASE 1	212,216,230 & 231

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15957-15961	21	R-ED	25	SECOND	602B

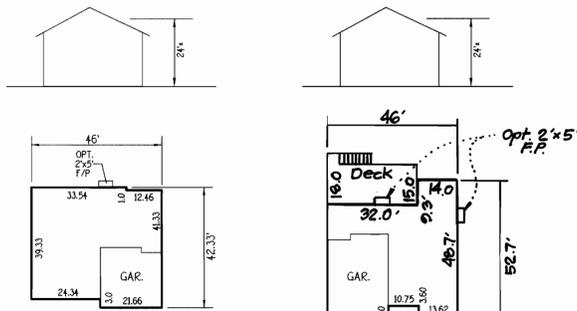
WATER CODE	SEWER CODE
F05	1252300

SITE DEVELOPMENT PLAN

SINGLE FAMILY DETACHED AUTUMN VIEW SECTION 5 PHASE 1 LOTS 212,216,230 & 231

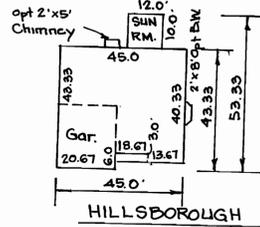
TAX MAP NO.: 25 P/O PARCEL NO.: 75 GRID NO.: 21
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JUNE, 2004
 SHEET 1 OF 3

SDP-05-001



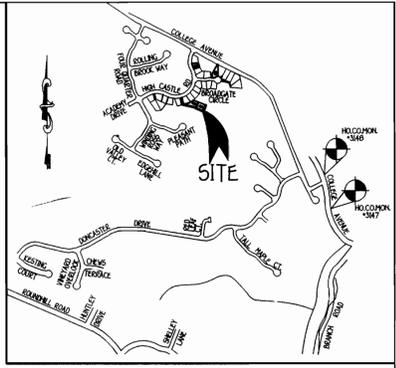
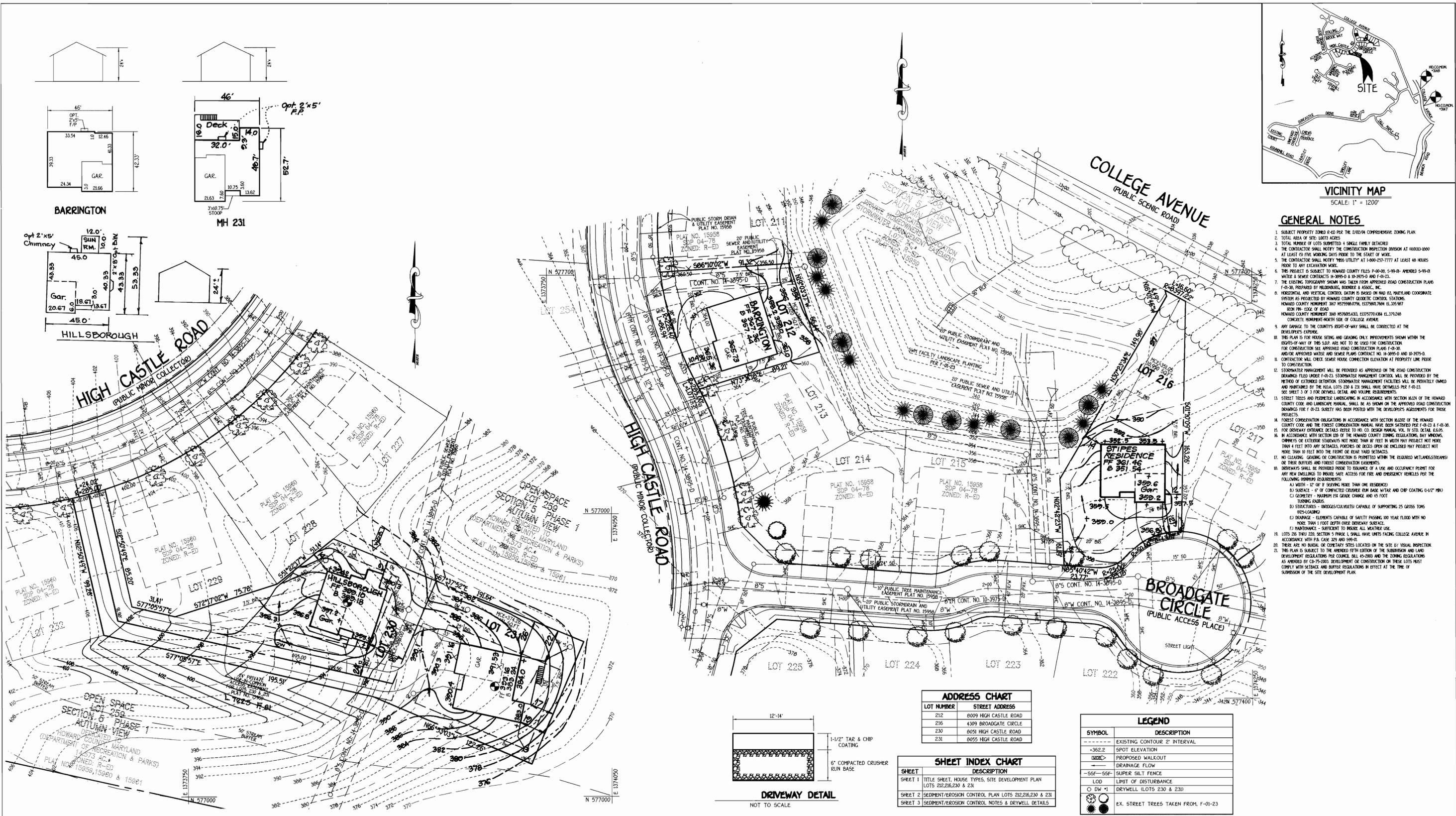
BARRINGTON

MH 231



HILLSBOROUGH

HILLSIDE



VICINITY MAP
SCALE: 1" = 1200'

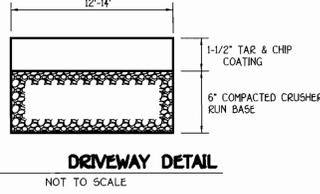
GENERAL NOTES

- SUBJECT PROPERTY ZONED R-ED PER THE 2/02/04 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF SITE: 10.73 ACRES.
- TOTAL NUMBER OF LOTS SUBMITTED: 10 SINGLE FAMILY DETACHED.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT 410-333-8800 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES P-00-08, 5-99-01, 5-99-02, 5-99-03, 5-99-04, 5-99-05, 5-99-06, 5-99-07, 5-99-08, 5-99-09, 5-99-10, 5-99-11, 5-99-12, 5-99-13, 5-99-14, 5-99-15, 5-99-16, 5-99-17, 5-99-18, 5-99-19, 5-99-20, 5-99-21, 5-99-22, 5-99-23, 5-99-24, 5-99-25, 5-99-26, 5-99-27, 5-99-28, 5-99-29, 5-99-30, 5-99-31, 5-99-32, 5-99-33, 5-99-34, 5-99-35, 5-99-36, 5-99-37, 5-99-38, 5-99-39, 5-99-40, 5-99-41, 5-99-42, 5-99-43, 5-99-44, 5-99-45, 5-99-46, 5-99-47, 5-99-48, 5-99-49, 5-99-50, 5-99-51, 5-99-52, 5-99-53, 5-99-54, 5-99-55, 5-99-56, 5-99-57, 5-99-58, 5-99-59, 5-99-60, 5-99-61, 5-99-62, 5-99-63, 5-99-64, 5-99-65, 5-99-66, 5-99-67, 5-99-68, 5-99-69, 5-99-70, 5-99-71, 5-99-72, 5-99-73, 5-99-74, 5-99-75, 5-99-76, 5-99-77, 5-99-78, 5-99-79, 5-99-80, 5-99-81, 5-99-82, 5-99-83, 5-99-84, 5-99-85, 5-99-86, 5-99-87, 5-99-88, 5-99-89, 5-99-90, 5-99-91, 5-99-92, 5-99-93, 5-99-94, 5-99-95, 5-99-96, 5-99-97, 5-99-98, 5-99-99, 5-99-100.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON NAD 83, MARLAN COORDINATE SYSTEM AS PROVIDED BY HOWARD COUNTY GEODETIC CONTROL STATIONS. HOWARD COUNTY MONUMENT 3401 HYDROGRAPHIC ESTABLISHMENT EL-335-907 IRON PIN - EDGE OF ROAD HOWARD COUNTY MONUMENT 3401 HYDROGRAPHIC ESTABLISHMENT EL-335-940 CONCRETE MONUMENT-NORTH SIDE OF COLLEGE AVENUE.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SETTING AND GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHTS-OF-WAY OF THIS S.D.P. ARE NOT TO BE USED FOR CONSTRUCTION. FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-01-23. UNLESS APPROVED WATER AND SEWER PLANS CONTRACT NO. 14-3955-D AND 10-3975-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT PROPERTY LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT WILL BE PROVIDED AS APPROVED ON THE ROAD CONSTRUCTION DRAWINGS FILED UNDER F-01-23. STORMWATER MANAGEMENT FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED BY THE HOA. LOTS 230 & 231 SHALL HAVE DETENTION PITS FOR F-01-23. SEE SHEET 3 OF 3 FOR DETENTION DETAIL AND VOLUME REQUIREMENTS.
- STREET TREES AND PREEXISTING LANDSCAPING IN ACCORDANCE WITH SECTION 16.02 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, SHALL BE AS SHOWN ON THE APPROVED ROAD CONSTRUCTION DRAWINGS FOR F-01-23. SURETY HAS BEEN POSTED WITH THE DEVELOPER'S AGREEMENTS FOR THOSE PROJECTS.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.02 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL HAVE BEEN SATISFIED PER F-01-23 & F-01-24.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO NO. CO. DESIGN MANUAL VOL. IV STD. DETAIL REVISIONS.
- IN ACCORDANCE WITH SECTION 16.02 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN HEIGHT 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 METEOROLOGICAL OR OTHER BUFFER ZONES OR FOREST CONSERVATION EASEMENTS.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12' OR IF SERVING MORE THAN ONE RESIDENCE
 - SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING 0-1/2" MIN. C1 COURSE - MAXIMUM 1% GRADE CHANGE AND 45 FOOT TURNING RADIUS.
 - STRUCTURES - BRIDGES/CULVERTS CAPABLE OF SUPPORTING 25 GROSS TONS RELOADING.
 - 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.
- LOTS 226 THRU 230, SECTION 5 PHASE 1, SHALL HAVE UNITS FACING COLLEGE AVENUE IN ACCORDANCE WITH P.A. CASE 303 AND 599-01.
- THERE ARE NO BUREAU OR COUNTY SITES LOCATED ON THE SITE BY VISUAL INSPECTION.
- THIS PLAN IS SUBJECT TO THE APPROVED TENTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY CS-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.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
212	8009 HIGH CASTLE ROAD
216	4309 BROADGATE CIRCLE
230	8051 HIGH CASTLE ROAD
231	8055 HIGH CASTLE ROAD

SHEET INDEX CHART	
SHEET	DESCRIPTION
SHEET 1	TITLE SHEET, HOUSE TYPES, SITE DEVELOPMENT PLAN LOTS 212,216,230 & 231
SHEET 2	SEDIMENT/EROSION CONTROL PLAN LOTS 212,216,230 & 231
SHEET 3	SEDIMENT/EROSION CONTROL NOTES & DRYWELL DETAILS

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
362.2	SPOT ELEVATION
---	PROPOSED WALKOUT
---	DRAINAGE FLOW
---	SUPER SILT FENCE
LOD	LIMIT OF DISTURBANCE
○ DW #1	DRYWELL (LOTS 230 & 231)
●	EX. STREET TREES TAKEN FROM F-01-23



DRIVEWAY DETAIL
NOT TO SCALE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CORNER SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2895

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 9-21-04
Signature of Engineer EARL D. COLLINS 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. Lemay 9-27-04
Signature of Developer STEVE FORELEY Date

NO.	REVISION	DATE
4	Rev. grd. lots 231, 212 and 216. Rev. hse. f. grd. lot 230 to show Ex. Cond.	1-27-05
3	Rev. hse. f. grd. lot 216. Rev. FF f. Bas. f. Elev. lots 212 and 231	10-4-05
2	Rev. grd. lot 231	5-19-05
1	Rev. hse. f. grd. Lot 230	4/10/05

Reviewed for HOWARD SCD and meets Technical Requirements.

Jan Myer / as 10/5/04
U.S.D.A. Natural Resources Conservation Service Date

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

Howard SCD *K. Sebastian / as* 10/5/04
Date

OWNER/BUILDER/DEVELOPER
HAMILTON REED
8000 MAIN STREET
ELLICOTT CITY, MARYLAND 21043
410-480-9005

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Grady Hamstra 10/15/04
Chief, Division of Land Development Date

Mark D. England 10/12/04
Chief, Development Engineering Division MAJ Date

Mark D. England 10/15/04
Director - Department of Planning and Zoning Date

PROJECT	SECTION	LOTS NO.
AUTUMN VIEW	SECTION 5 PHASE 1	212,216,230 & 231

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15957-15961	21	R-ED	25	SECOND	602B

WATER CODE 105
SEWER CODE 1252300

SITE DEVELOPMENT PLAN

**SINGLE FAMILY DETACHED
AUTUMN VIEW
SECTION 5 PHASE 1
LOTS 212,216,230 & 231**

TAX MAP NO.: 25 P/O PARCEL NO.: 75 GRID NO.: 21
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: JUNE, 2004
SHEET 1 OF 3

50P-05-001

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