

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR ROAD CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
 

BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 OR 3554
BALTIMORE GAS AND ELECTRIC	539-8000 EXT. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION	992-2417/2418
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 20.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 EDITION.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS.
 

ALL LOCAL STREETS DESIGNED FOR 30 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% OF MAXIMUM OBTAINABLE DENSITY DETERMINED BY MARSHALL PROCTOR.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED PER 8-2-85 COMPREHENSIVE ZONING PLAN.
- STORM WATER MANAGEMENT IS PROVIDED UNDER CARTERS COVE SECTION 1, AREA 1 F-87-75.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Paul J. Seaman* 6/22/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*Shirley W. Weiland* 6/27/88  
 CHIEF, BUREAU OF HIGHWAYS DATE

*William S. Kelly* 6-22-88  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*James R. Rott* 6/29/88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

NO	DATE	REVISION

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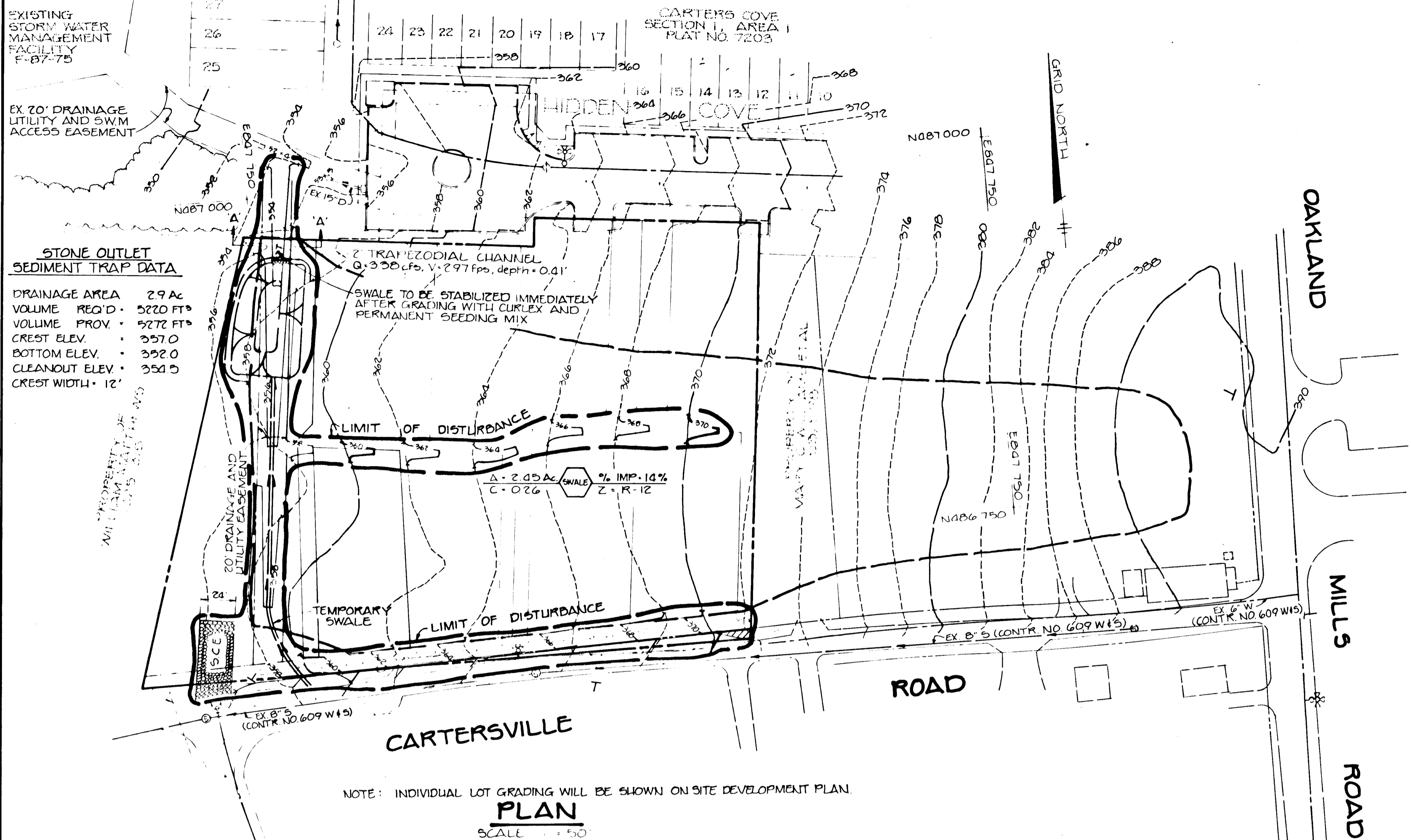
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*Janice K. Gracy*

OWNER	PROJECT
SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	<b>CARTERS COVE</b> SECTION 2 F-88-159
DEVELOPER	LOCATION
SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	TAX MAP NO 82 PARCEL NOS 202 & 210 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	DATE
PLAN OF CARTERSVILLE ROAD, PROFILE AND DETAILS	JUNE 14, 1988 APRIL 11, 1988
DES. DAM	DRN. JH
PROJECT NO 87B7	SCALE AS SHOWN
DRAWING 1 OF 3	

AS-BUILT  
 Aug 11, 1992

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- SEDIMENT CONTROL NOTES**
- A minimum of 24 hours notice must be given to the HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (892-2433).
  - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - PRELIMINARY INITIAL SOIL DISTURBANCE OR REDEVELOPMENT, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 48 HOURS OF THE START OF ANY CONSTRUCTION. CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, BY 14 DAYS AS TO ALL OTHER DISTURBED OR GRADABLE AREAS ON THE PROJECT SITE.
  - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIPHERY IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR TEMPORARY SEEDING: TOP 3:1 SLOPES: 50% PERMANENT SEEDING, 50% AND MULCHING (Spec. 523); 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
  - SITE ANALYSIS:**  
TOTAL AREA OF SITE: 2.920 ACRES  
AREA DISTURBED: 0.70 ACRES  
AREA TO BE MOVED OR PAVED: 0.6 ACRES  
AREA TO BE VEGETATIVELY STABILIZED: 2.6 ACRES  
TOTAL CUT: 124,000 CU. YDS.  
TOTAL FILL: 124,000 CU. YDS.
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED OR MAINTAINED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
  - ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIPHERY IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

- SEQUENCE OF CONSTRUCTION**
- |           |  |
|-----------|--|
| DAY 1     | 1. OBTAIN A GRADING PERMIT.  |
| DAY 2     | 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.   |
| DAY 3     | 3. INSTALL SEDIMENT TRAP AND TEMPORARY SWALE.  |
| DAY 4-6   | 4. GRADE DRAINAGE SWALE UP TO SEDIMENT TRAP AND COMPLETE ROAD GRADING AND FINISH ADDITIONAL GRADING IN EX. SWM/F. SEE NOTE.  |
| DAY 7-14  | 5. INSTALL PAVING, CURB AND GUTTER, SIDEWALK AND UTILITIES.  |
| DAY 14-15 | 6. STABILIZE SITE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.  |
| DAY 16-20 | 7. UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND INSTALL REMAINDER OF DRAINAGE SWALE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES. |
- NOTE:** ADDITIONAL GRADING NEEDED IN THE POOL AREA OF THE EXISTING STORY WATER MANAGEMENT FACILITY TO BE PERFORMED IN ACCORDANCE WITH THE RED LINED REVISION TO F-87-75 AS APPROVED BY THE BUREAU OF ENGINEERING AND LIO CO. SOIL CONSERVATION DISTRICT.

BY THE DEVELOPER:  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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.

DEVELOPER: James R. Moxley, Jr. DATE: 6-13-88  
SECURITY DEVELOPMENT CORPORATION - PRESIDENT

BY THE ENGINEER:  
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.

ENGINEER: James K. Tracy, P.E. DATE: 6-13-88

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
U.S. SOIL CONSERVATION SERVICE DATE: 6/17/88

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
HOWARD S.C.D. DATE: 6/17/88

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 6/22/88

CHIEF, LAND DEVELOPMENT DIVISION DATE: 6/27/88

CHIEF, BUREAU OF ENGINEERING DATE: 6-22-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DATE: 6/29/88

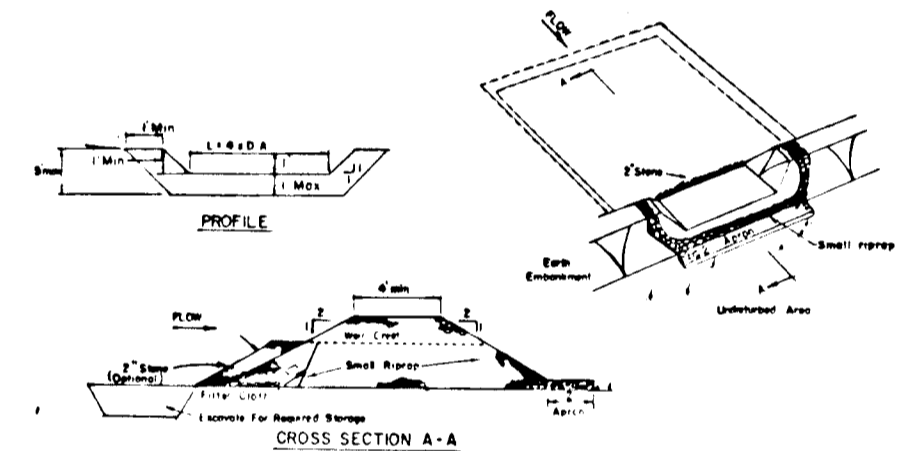
NO. DATE REVISION

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James K. Tracy

OWNER	SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21003	PROJECT	<b>CARTERS COVE</b> SECTION 2 F-88-159
DEVELOPER	SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21003	LOCATION	PARCEL NOS. 592 & 218 6 <sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	<b>GRADING &amp; SEDIMENT CONTROL PLAN, SEDIMENT CONTROL DETAILS AND DRAINAGE AREA MAP</b>		
DATE	JUNE 14, 1988 APRIL 11, 88	PROJECT NO.	8787
DES: DAM	DRN: JH	SCALE AS SHOWN	DRAWING: 2 OF 3 F-88-159



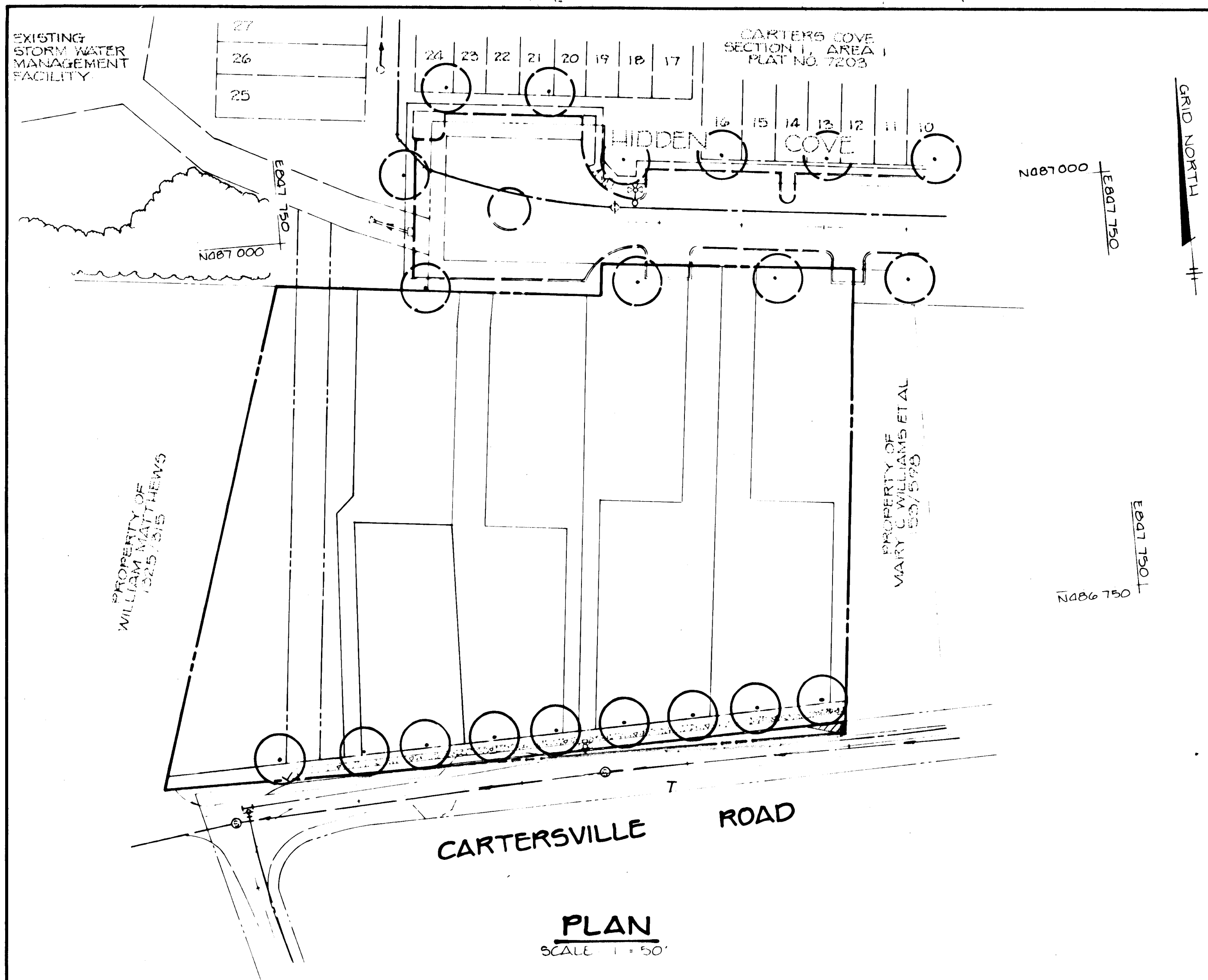
- OPTION:** A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the amended filter cloth.
- Area under sedimentation shall be cleared, graded and stripped of any vegetation and roots. The area shall be seeded.
  - The fill material for the sedimentation shall be free of rocks and other sharp material as well as untreated sewage, refuse, organic material or other objectionable material. The amendment shall be compacted by hand equipment while it is being constructed.
  - All cut and fill slopes shall be 3:1 or flatter.
  - The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the upstream side on the small riprap to amended filter cloth to the riprap.
  - Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
  - The structure shall be inspected after each rain and repairs made as needed.
  - Construction operation shall be carried out in such a manner that erosion and water pollution is minimized.
  - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

- PERMANENT SEEDING PREPARATION**
- SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 105/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 92/10000 sq ft)
  - ACCEPTABLE** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 105/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 105/1000 sq ft) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 105/1000 sq ft) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.
- MULCHING:** APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 105/1000 sq ft) OF UNKUTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 92/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 92/1000 sq ft) FOR ANCHORING.
- MAINTENANCE:** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- TEMPORARY SEEDING PREPARATION**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED 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 (14 105/1000 sq ft).
- SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 105/1000 sq ft). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (0.7 105/1000 sq ft). FOR THE PERIOD NOVEMBER 16 THRU 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 SOO.
- MULCHING:** APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 105/1000 sq ft) OF UNKUTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 92/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 92/1000 sq ft) FOR ANCHORING.
- REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, F-87-75 FOR OTHER NOTES NOT SHOWN HERE.

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Aug 11, 1992

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PLANT LIST			
SYMBOL	QUANTITY	NAME	REMARKS
○	9	ACER RUBRUM Red Maple	2 1/2" Min Cal. 8 # 8 Full Head
TOTAL	9		

€ LENGTH OF PROPOSED ROADS	334 LF
LENGTH OF LINEAR PROFILES	0
334 LF + 40	8.35
TOTAL REQUIRED	8.35
TOTAL PROVIDED	9

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Small signature* 6/22/88 DATE  
 CHIEF, LAND DEVELOPMENT DIVISION

*Traville W. Weiland* 6/27/88 DATE  
 CHIEF, BUREAU OF HIGHWAYS

*Green & Ray* 6-22-88 DATE  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Joseph R. Roth* 6/29/88 DATE  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

NO	DATE	REVISION

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*Joseph R. Roth*

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 Aug 11, 1992

OWNER SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELICOTT CITY, MARYLAND 21043	PROJECT <b>CARTERS COVE</b> SECTION 2 P-88-12 F-88-159
DEVELOPER SECURITY DEVELOPMENT CORP 8480 BALTIMORE NATIONAL PIKE ELICOTT CITY, MARYLAND 21043	LOCATION TAX MAP NO 42 PARCEL NOS 232 & 218 6 <sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE <b>STREET TREE PLAN</b>	DATE JULIE 14, 1988 APRIL 11, 1988
DES: DAM	DRN: JH
SCALE: AS SHOWN	DRAWING: 2 OF 3

1250