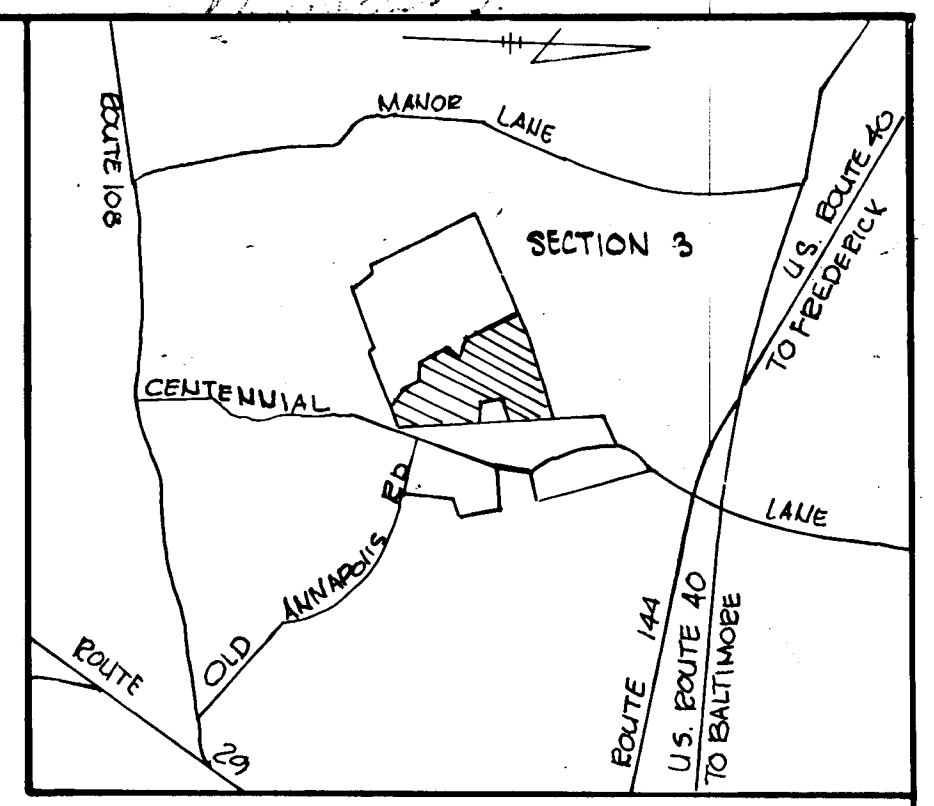
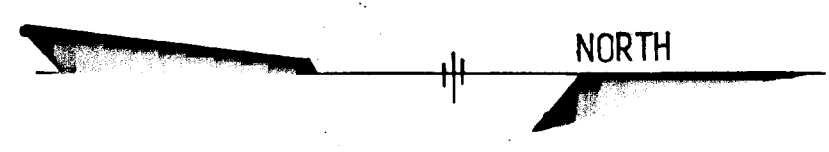
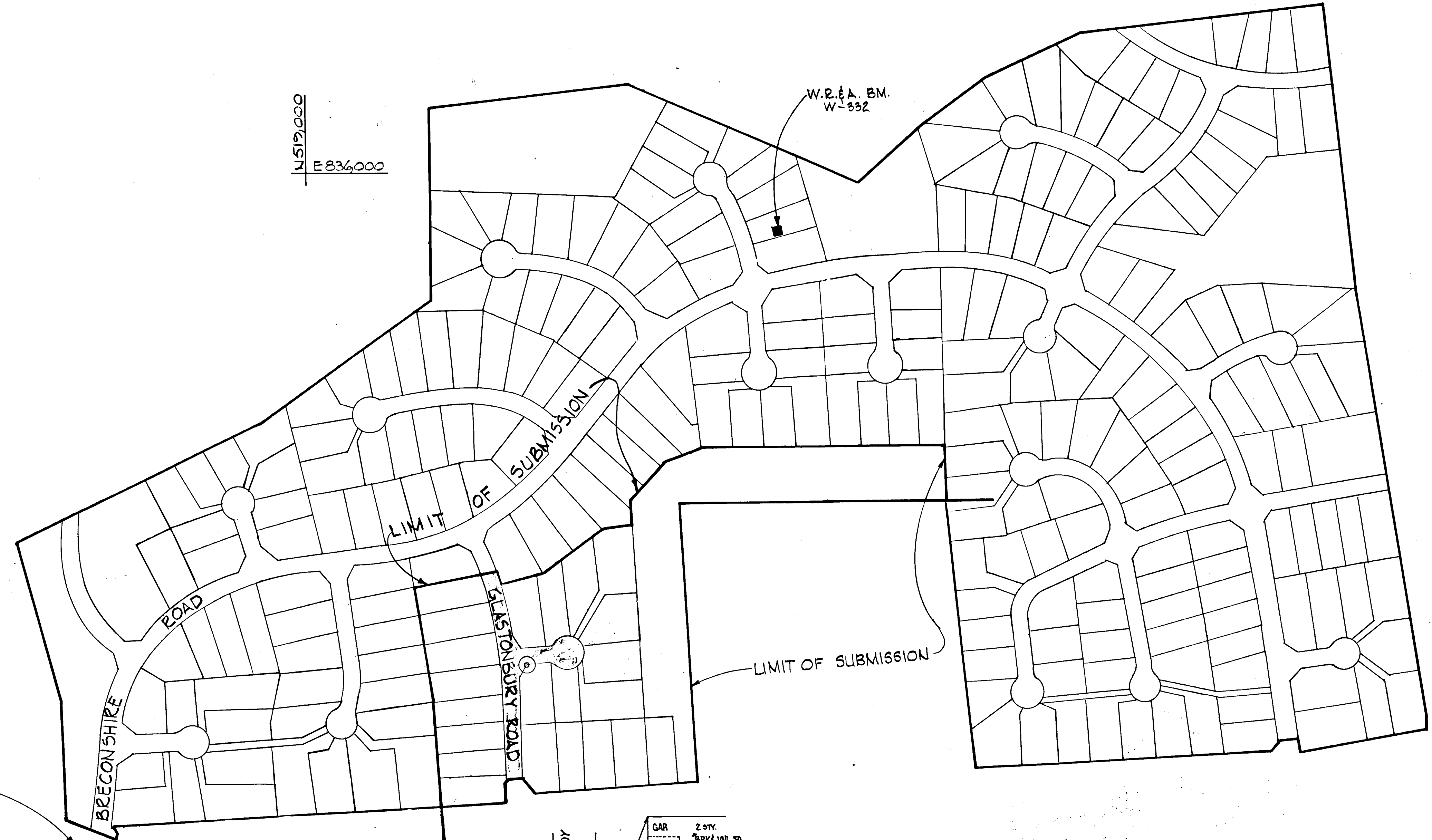


SHEET INDEX	
NO.	DESCRIPTION
1.	TITLE SHEET
2.	PLAN AND PROFILE
3.	ROADWAY AND STORM DRAIN DETAILS
4.	DRAINAGE AREA MAP
5.	STORM DRAIN PROFILES
6.	DRAINAGE AREA MAP FOR SEDIMENT CONTROL
7.	SEDIMENT CONTROL PLAN
8.	SEDIMENT CONTROL DETAILS
9.	SEDIMENT CONTROL DETAILS



VICINITY MAP  
SCALE: 1" = 1/4 MILE



GENERAL NOTES

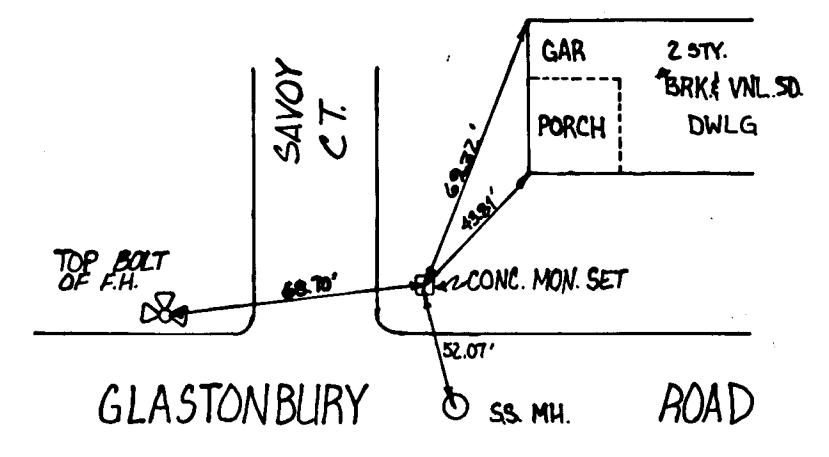
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN.
4. ALL STREET CURB RETURNS SHALL HAVE A 30.0' RADIUS UNLESS OTHERWISE NOTED.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
8. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOVE THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOD AREAS AT THE END OF EACH DAY.
9. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS AND PERMITS AT LEAST 3-DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 792-2630.
10. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
11. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
12. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET 9.
13. TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1978 REVISED EDITION.
14. STABILENKA (FILTER CLOTH T-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP-RAP (FULL WIDTH AND LENGTH OF STONE.)
15. STONE FOR RIP-RAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIP-RAP SHALL BE UNPAVED.
16. STUBS FOR 6" P.V.C. UNDERDRAIN PIPE TO BE INSTALLED AT CENTER OF EACH WALL OF EVERY INLET.
17. LAMP POST - A 250-WATT MERCURY VAPOR LAMP PENDANT MOUNTED FIXTURE ON A 30-FOOT BRONZE ALUMINUM POLE.
18. LAMP POST - A 175 WATT MODERN MERCURY VAPOR LAMP POST TOP FIXTURES ON A 12-FOOT BRONZE FIBERGLASS POLE.

MONUMENT  
3040001

BENCH MARKS

HOWARD COUNTY CONTROL POINT 3040001 --- CONCRETE MON. @ SURFACE - 25'±  
E OF & OF CENTENNIAL LANE.  
70'± S. OF OLD ANNAPOLIS ROAD  
ELEV. 494.422

W.R. & A. B.M. W-332 ----- IRON PIPE (TRAVERSE POINT) - 140'±  
W. OF & STA. 29+35± BRECONSHIRE ROAD  
ELEV. 449.16



LOCATION PLAN  
SCALE: 1" = 200'

STORM WATER MANAGEMENT FOR THIS PROJECT HAS BEEN PROVIDED IN BURLEIGH MANOR SECTION 4 AREA 3. F-80-08

Street Trees:  
The location, type and number of trees shown on these plans are tentative and are used for bond purposes only. The final location and variety of trees may vary to accommodate field conditions and builders landscape program. Bond release is contingent upon Section 16.131 of the Howard County Subdivision Regulations, as approved by the Office of Planning and Zoning.  
The Type of hardwood trees to be used are Acer Rubral (Red Maple), Platanus Acerifolia (London Plane Tree) or Tilia Cordata (Little Leaf Linden).

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
CHIEF LAND DEVELOPMENT DIVISION  
CHIEF, BUREAU OF HIGHWAYS  
CHIEF, BUREAU OF ENGINEERING

DATE 9-28-87  
DATE 10/5/87  
DATE 10-8-87

9/2/87	4	As per DPW Comment #1	
8/4/87	3	As per DPW Comments #1 & #4	
7/3/87	2	As per Planning and Zoning Comment #1	
6/24/87	1	As per Planning and Zoning Comment # 5	
REV. DATE	REV. NO.	REVISION	DESCRIPTION

**BURLEIGH MANOR**  
SECTION 3 AREA 2  
**ROAD CONSTRUCTION PLANS**  
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

DEVELOPER  
ROSE / RICHMOND JOINT VENTURE  
BALTIMORE, MARYLAND

SCALE: AS SHOWN

DATE: 3-26-87

**WHITMAN, REQUARDT AND ASSOCIATES**  
ENGINEERS  
2315 SAINT PAUL STREET  
BALTIMORE, MARYLAND 21218  
KENNETH A. McCORD P.E. No. 1974

OWNER  
GERALD M. KATZ &  
THOMAS J. PELLERITO, TRUSTEES  
BALTIMORE, MARYLAND

OFFICE OF PLANNING AND ZONING  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
9-28-87

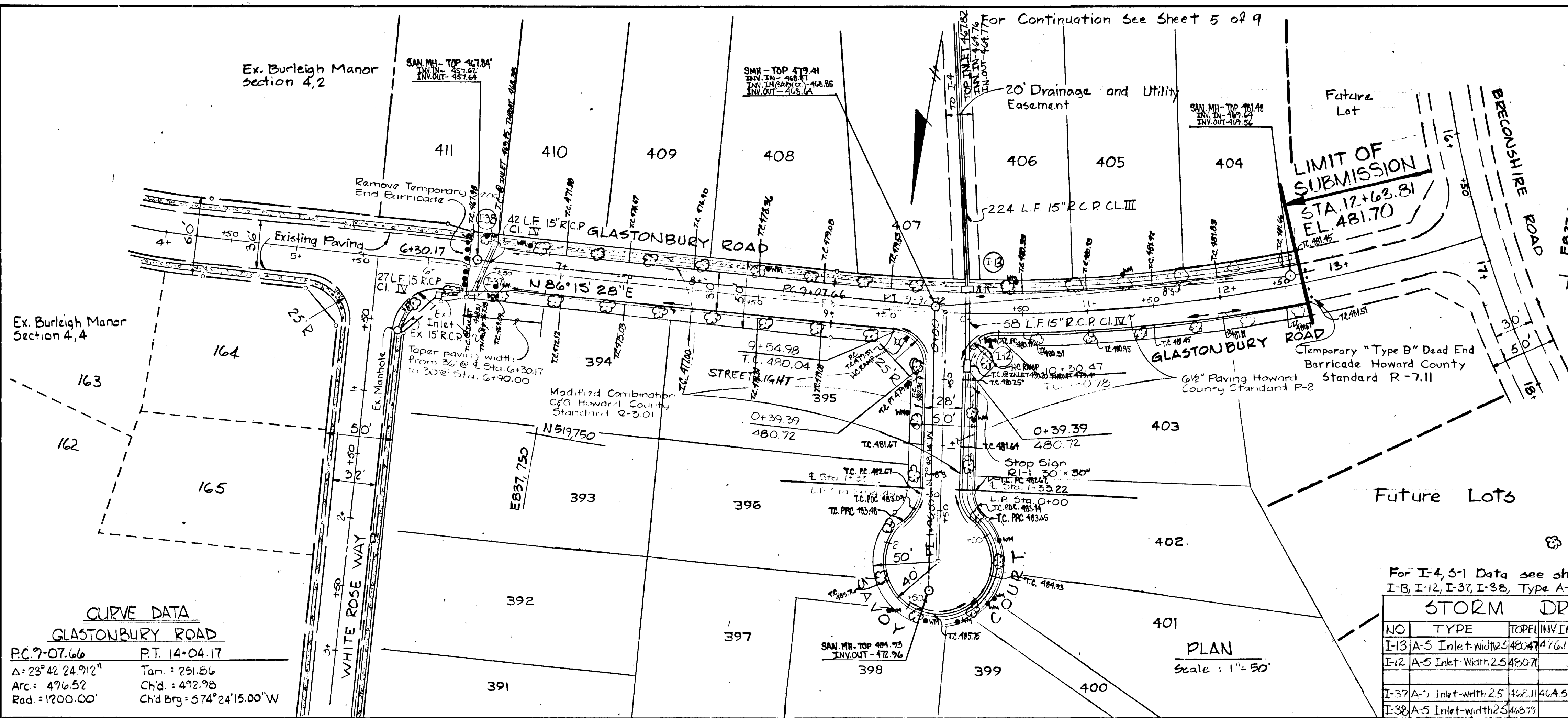
AS-BUILT 3-1-89

F-87-180 SHEET 1 OF 9



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_



OFFICE OF PLANNING and ZONING  
*John W. Macchman* 9-28-87  
 Chief, Division of Land Development and Zoning Administration

APPROVED: HOWARD COUNTY DEPARTMENT of PUBLIC WORKS  
*Melinda J. ...* 9-28-87  
 Chief, Land Development Division Date  
*Crawford W. ...* 9-28-87  
 Chief, Bureau of Highways Date  
*...* 10-2-87  
 Chief, Bureau of Engineering Date

REVDATE	REVNO.	REVISION DESCRIPTION
8-4-87	4	As per DPW Comments # 14
7-28-87	3	As per Planning and Zoning Comments # 183
6-11-87	2	Road Profile and Storm Drain Changes
6-11-87	1	As per DPW Comment # 5 & 15

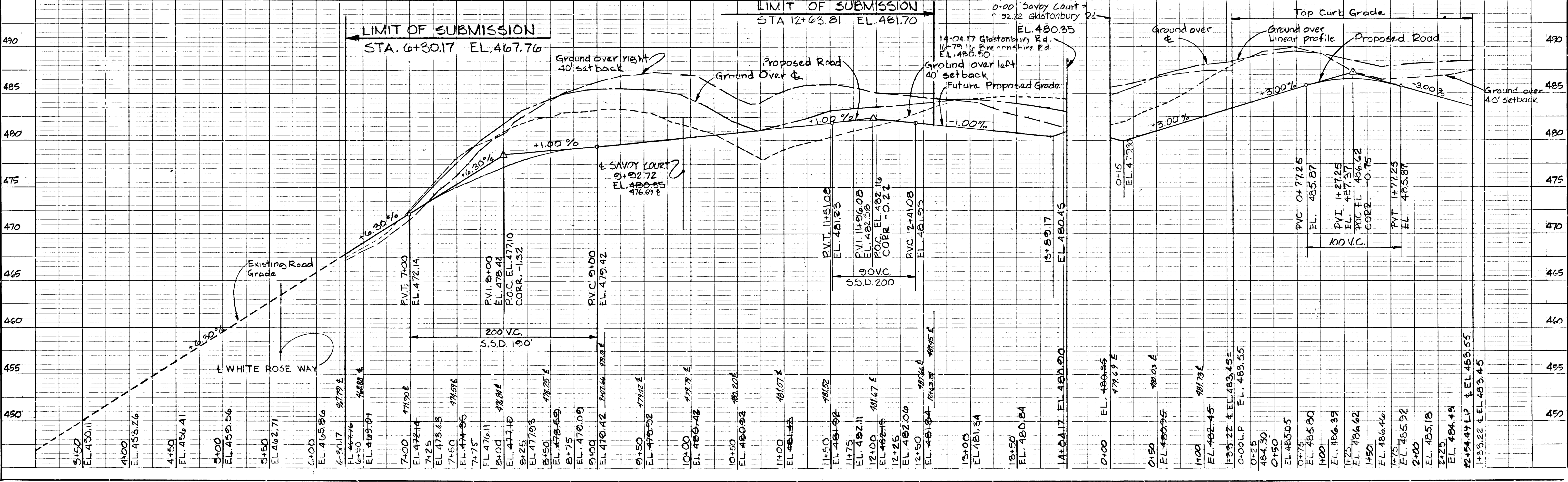
BURLEIGH MANOR  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 DEVELOPER  
 ROSE / RICHMOND JOINT VENTURE

PROJECT AREA  
 BURLEIGH MANOR  
 SECTION 3 AREA 2

PLAN AND PROFILE  
 GLASTONBURY ROAD & SAVOY COURT  
 SCALE: 1"=50' DATE: 3/26/87

WHITMAN, REQUARD AND ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21215

*Kenneth A. McCord*  
 KENNETH A. MCCORD  
 Registered Engineer  
 NO. 1974



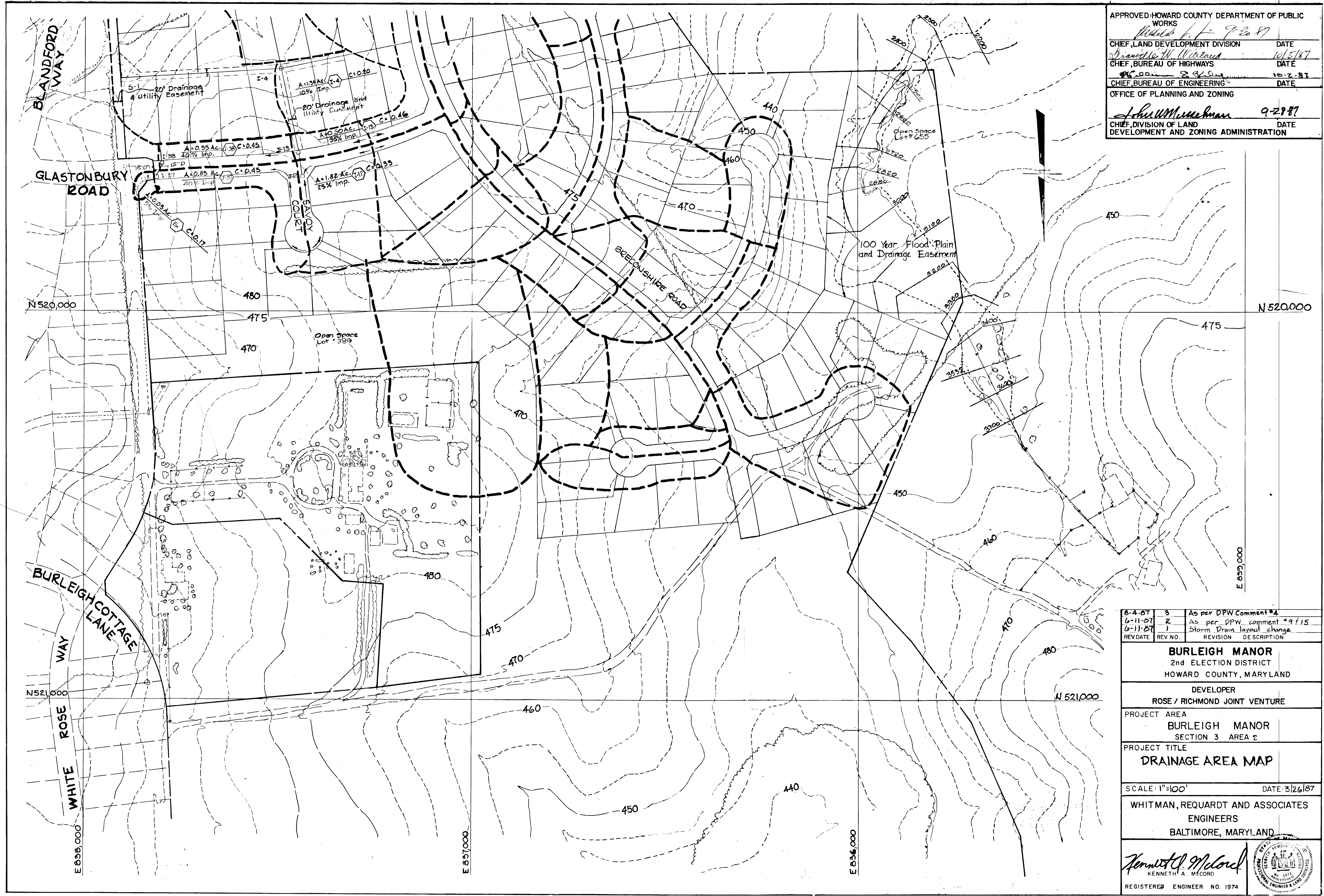
GLASTONBURY ROAD ~ PROFILE scales: 1"=5' V, 1"=50' H

SAVOY COURT ~ PROFILE scales: 1"=5' V, 1"=50' H









APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Walter L. F. 9-28-87*  
 CHIEF, LAND DEVELOPMENT DIVISION DATE 10/5/87  
*David W. Wilford*  
 CHIEF, BUREAU OF HIGHWAYS DATE 10-2-87  
*John W. Murreman*  
 CHIEF, BUREAU OF ENGINEERING DATE 9-28-87  
 OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

REV DATE	REV NO.	REVISION DESCRIPTION
8-4-87	3	As per DPW Comment #4
6-11-87	2	As per DPW comment #9 & 15
6-11-87	1	Storm Drain layout change

**BURLEIGH MANOR**  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DEVELOPER  
 ROSE / RICHMOND JOINT VENTURE

PROJECT AREA  
 BURLEIGH MANOR  
 SECTION 3 AREA 2

PROJECT TITLE  
**DRAINAGE AREA MAP**

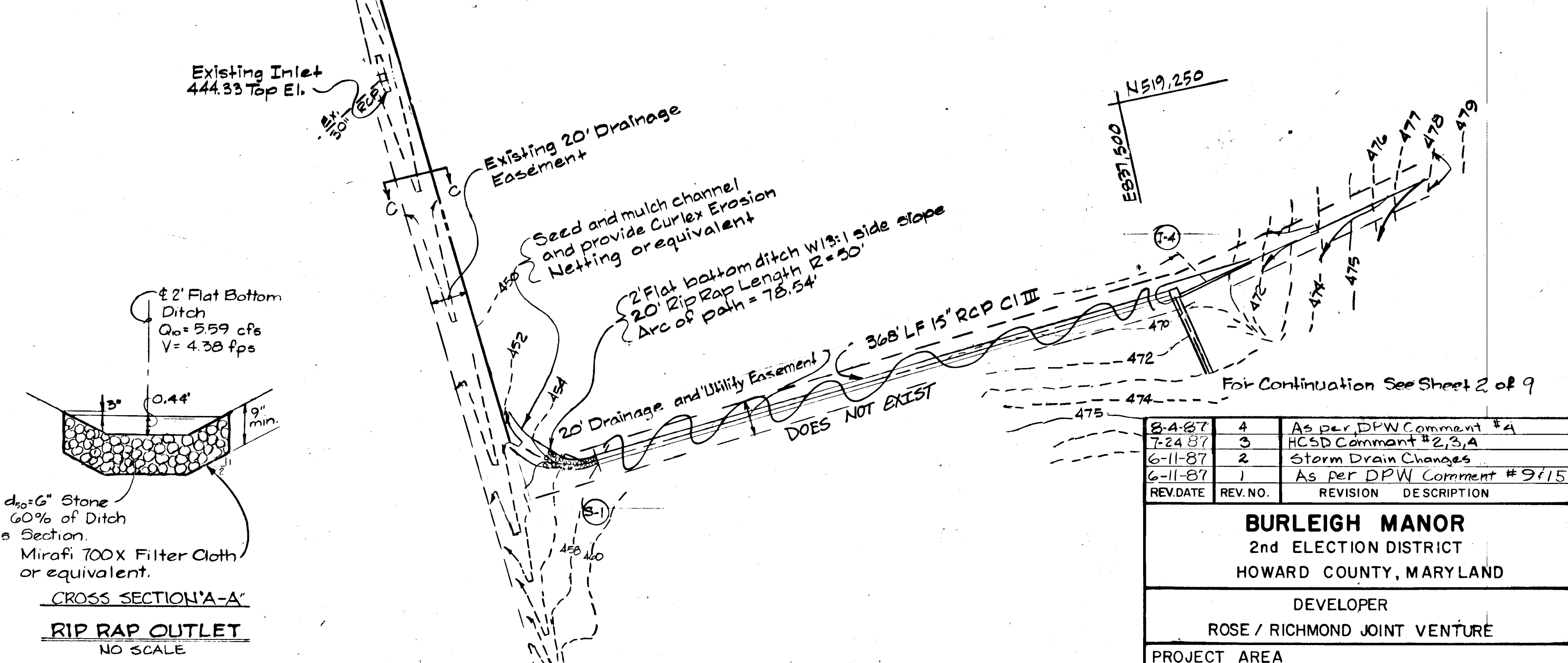
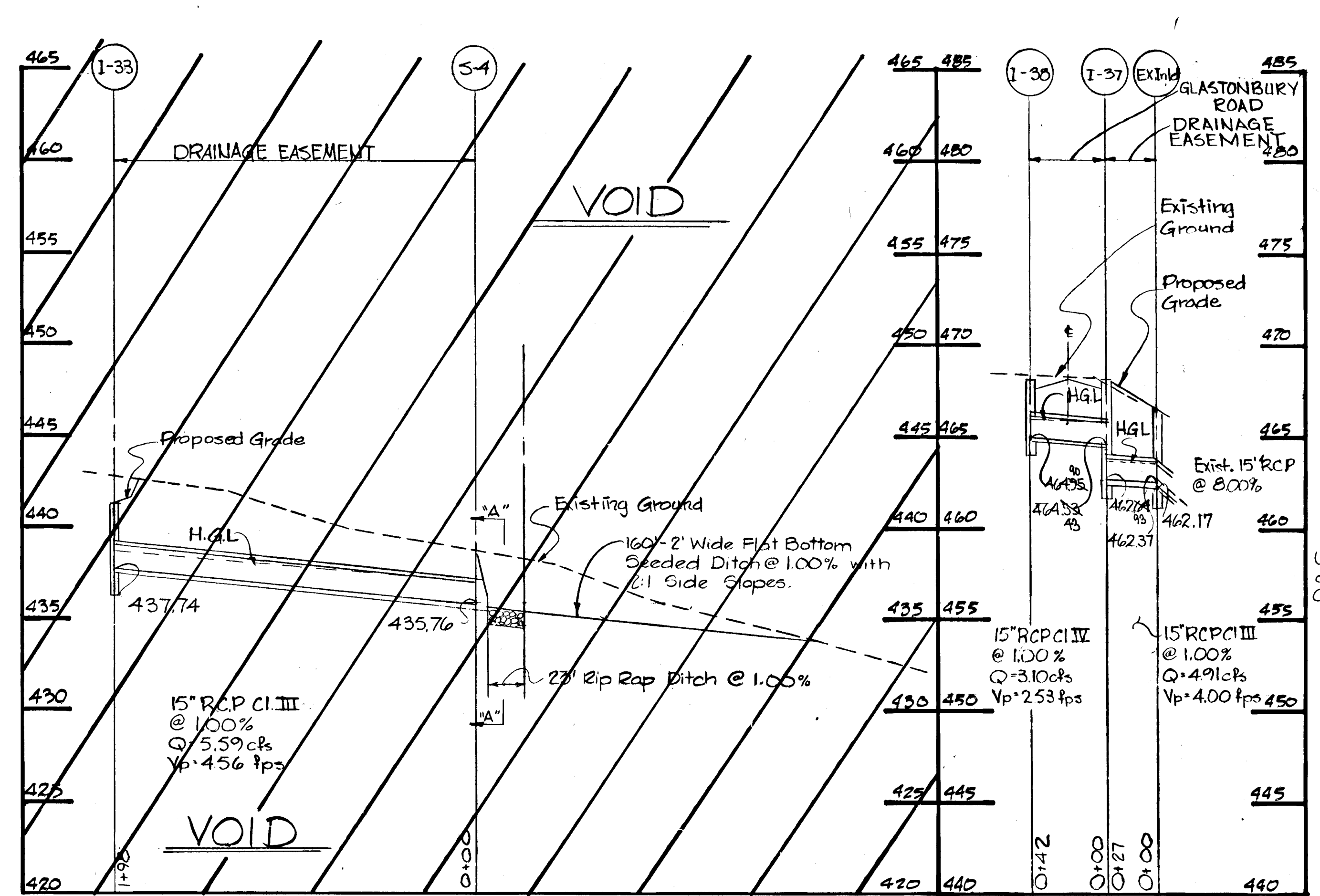
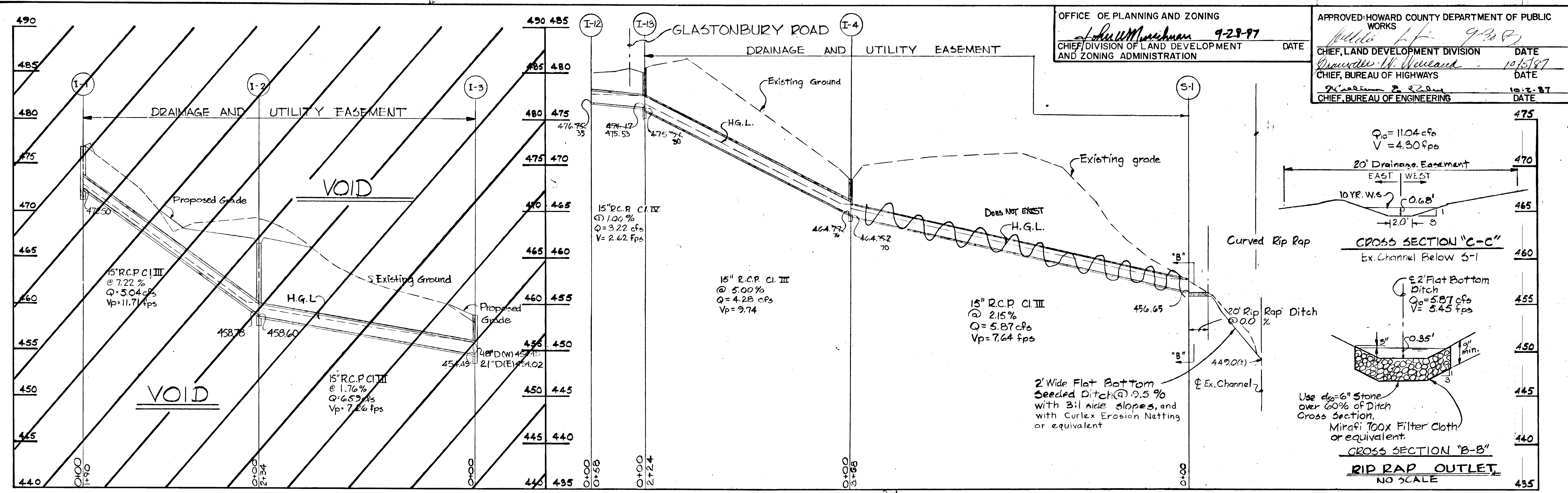
SCALE: 1"=100' DATE: 3/26/87

WHITMAN, REQUARDT AND ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND

*Kenneth A. McCard*  
 KENNETH A. MCCRACK  
 REGISTERED ENGINEER NO. 1974

721





No.	TYPE	Top El.	Inv. In	Inv. Out	LOCATION	REMARKS
I-4	15" Type 1 D.C. Inlet Howard County Std	464.50	464.77	464.57	See Plan & Profile	I-4 4 Sides Open Inlet Opening
S-1	15" End Section Howard County Std		456.65		See Plan	

REV. DATE	REV. NO.	REVISION DESCRIPTION
8-4-87	4	As per DPW Comment #4
7-24-87	3	HCSB Comment #2,3,4
6-11-87	2	Storm Drain Changes
6-11-87	1	As per DPW Comment #9115

**BURLEIGH MANOR**  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DEVELOPER  
 ROSE / RICHMOND JOINT VENTURE

PROJECT AREA  
 BURLEIGH MANOR  
 SECTION 3 AREA 2

PROJECT TITLE  
**STORM DRAINS**  
**\$ STORM DRAIN PROFILES**

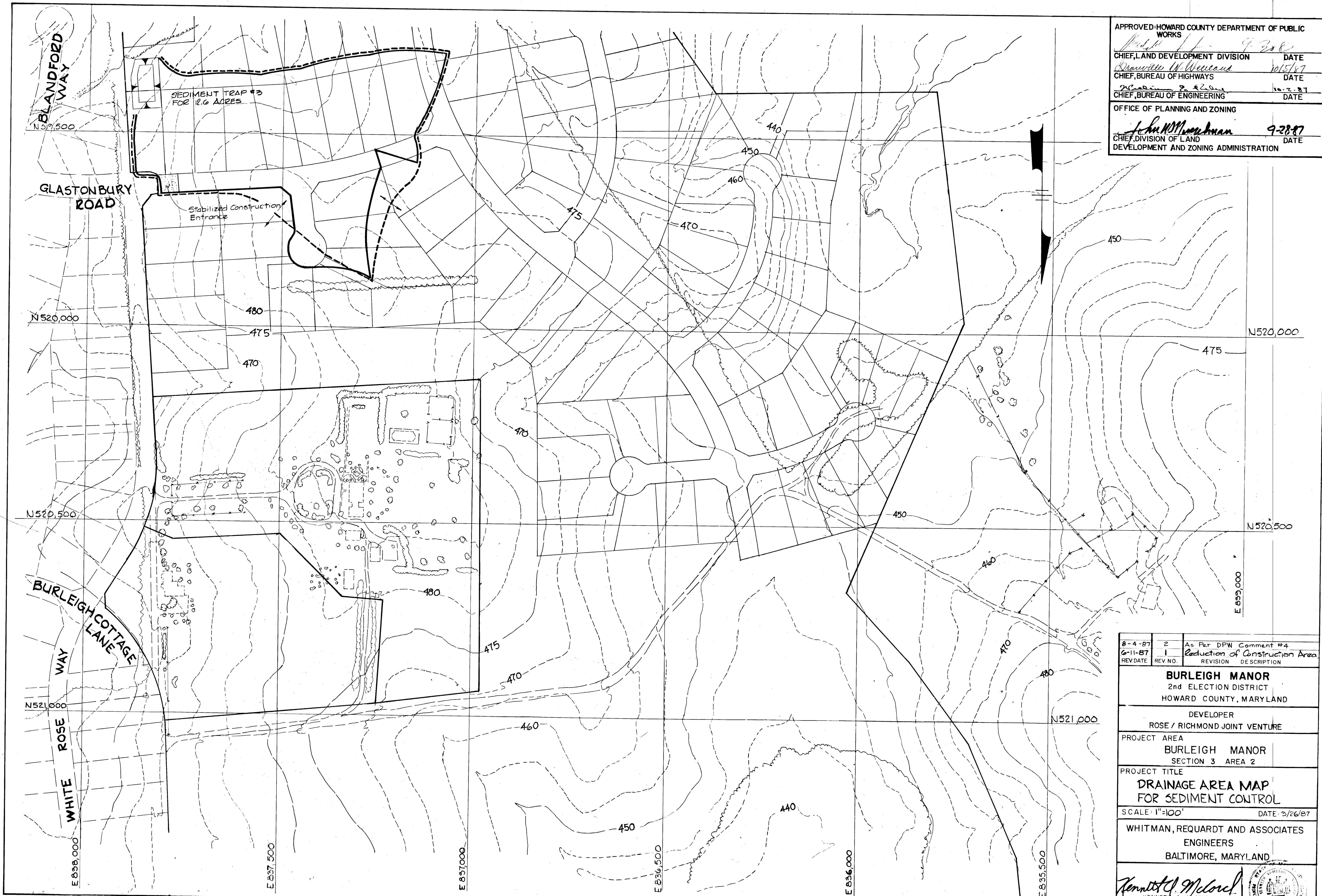
SCALE: AS SHOWN DATE: 3/26/87

WHITMAN, REQUARDT AND ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND

Kenneth A. McCord  
 REGISTERED ENGINEER NO. 1974

**PROFILES**  
 Scale: Hor 1"=50'  
 Vert 1"=5'

**NOTE:**  
 The type of bedding used for storm drain pipe shall be Class C, shaped subgrade. If rock is encountered, the invert should be over excavated 6" and the over excavation of 6" refilled with granular material.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 9-28-87  
 CHIEF, LAND DEVELOPMENT DIVISION DATE  
 CHARLOTTE W. WELLS DATE  
 CHIEF, BUREAU OF HIGHWAYS DATE  
 CHIEF, BUREAU OF ENGINEERING DATE  
 OFFICE OF PLANNING AND ZONING  
 JOHN M. MURPHY DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

8-4-87	2	As Per DPW Comment #4
6-11-87	1	Reduction of Construction Area
REV DATE	REV NO.	REVISION DESCRIPTION

**BURLEIGH MANOR**  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DEVELOPER  
 ROSE / RICHMOND JOINT VENTURE

PROJECT AREA  
 BURLEIGH MANOR  
 SECTION 3 AREA 2

PROJECT TITLE  
**DRAINAGE AREA MAP  
 FOR SEDIMENT CONTROL**

SCALE: 1"=100' DATE: 3/26/87

WHITMAN, REQUARDT AND ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND

*Kenneth A. McCord*  
 KENNETH A. MCCORD  
 REGISTERED ENGINEER NO. 1974



1721



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF, LAND DEVELOPMENT DIVISION  
 CHIEF, BUREAU OF HIGHWAYS  
 CHIEF, BUREAU OF ENGINEERING  
 OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



**DESIGN DATA FOR SEDIMENT TRAP #3**  
 Drainage Area 12.6 Acres  
 Disturbed Area 11.6 Acres  
 Volume Required 12.6 x 67 = 844 C.Y.  
 Volume Available 860 C.Y.  
 Top of Berm Elev. 454.5  
 Weir Crest Elev. 452.5  
 Length of Weir 18  
 Storage Elev. 451.5  
 Bottom Trap Elev. 447.0

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT.
2. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES OR DEVICES ONLY.
3. INSTALL AND STABILIZE ALL SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES.
4. STRIP AND ROUGH GRADE LIMITS OF CONSTRUCTION.
5. INSTALL INTERCEPTOR SWALES AT STATION 6+40 OF GLASTONBURY RD.
6. SEED ALL SLOPES WITH TEMPORARY SEEDING, SEE SEEDING NOTES ON SHEET 9.
7. CONSTRUCT ALL UTILITIES.
8. CONSTRUCT PERMANENT STORM DRAINAGE SYSTEM. INSTALL INLET PROTECTION.
9. FINE GRADE PAVED AREAS. CONSTRUCT CURB AND GUTTER AND PAVED AREAS.
10. SEED DISTURBED AREAS WITHIN RIGHT OF WAY. SEE PERMANENT SEEDING NOTES ON SHEET 9.
11. STABILIZE SITE AS PER PERMANENT SEEDING SPECIFICATIONS. SEE NOTES ON SHEET 9.
12. REMOVE TEMPORARY SEDIMENT CONTROL MEASURES. STABILIZE ANY REMAINING AREAS.

REV DATE	REV NO	REVISION DESCRIPTION
7-27-87	4	Planning + Zoning comment #1, 3
7-22-87	3	As per HSCD comment #5, 6, 7
6-26-87	2	As per HSCD comment #1, 2
6-11-87	1	As per DPW comment #4, 8

**BURLEIGH MANOR**  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

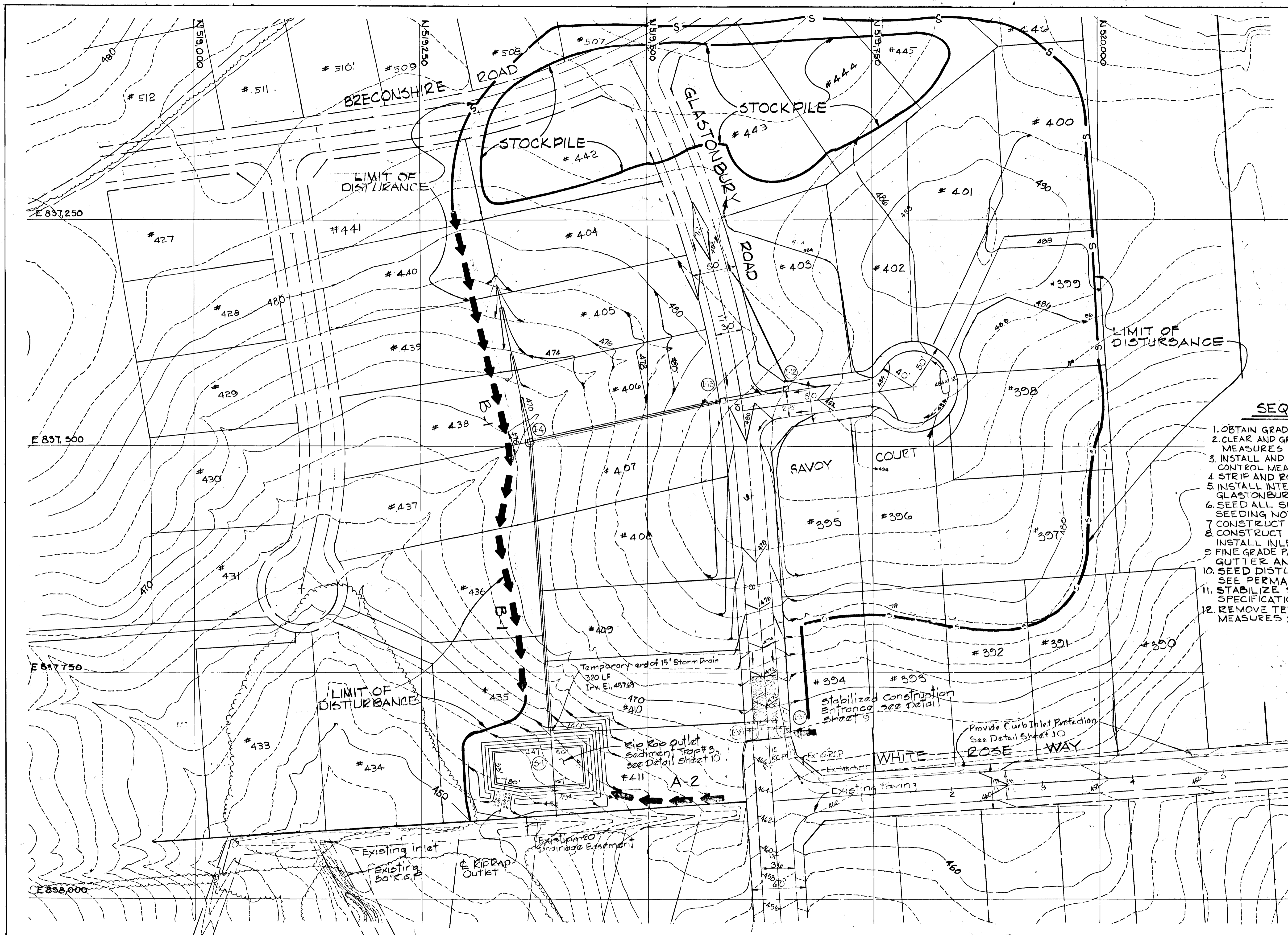
**DEVELOPER**  
 ROSE/RICHMOND JOINT VENTURE

**PROJECT AREA**  
 BURLEIGH MANOR  
 SECTION 3 AREA 2

**PROJECT TITLE**  
 GRADING & SEDIMENT CONTROL PLAN

SCALE: 1"=50' DATE: 3/26/87

**WHITMAN, REQUARDT AND ASSOCIATES**  
 ENGINEERS  
 BALTIMORE, MARYLAND



REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
 APPROVED: *James M. Helm* 9-25-87  
 U.S. SOIL CONSERVATION SERVICE DATE

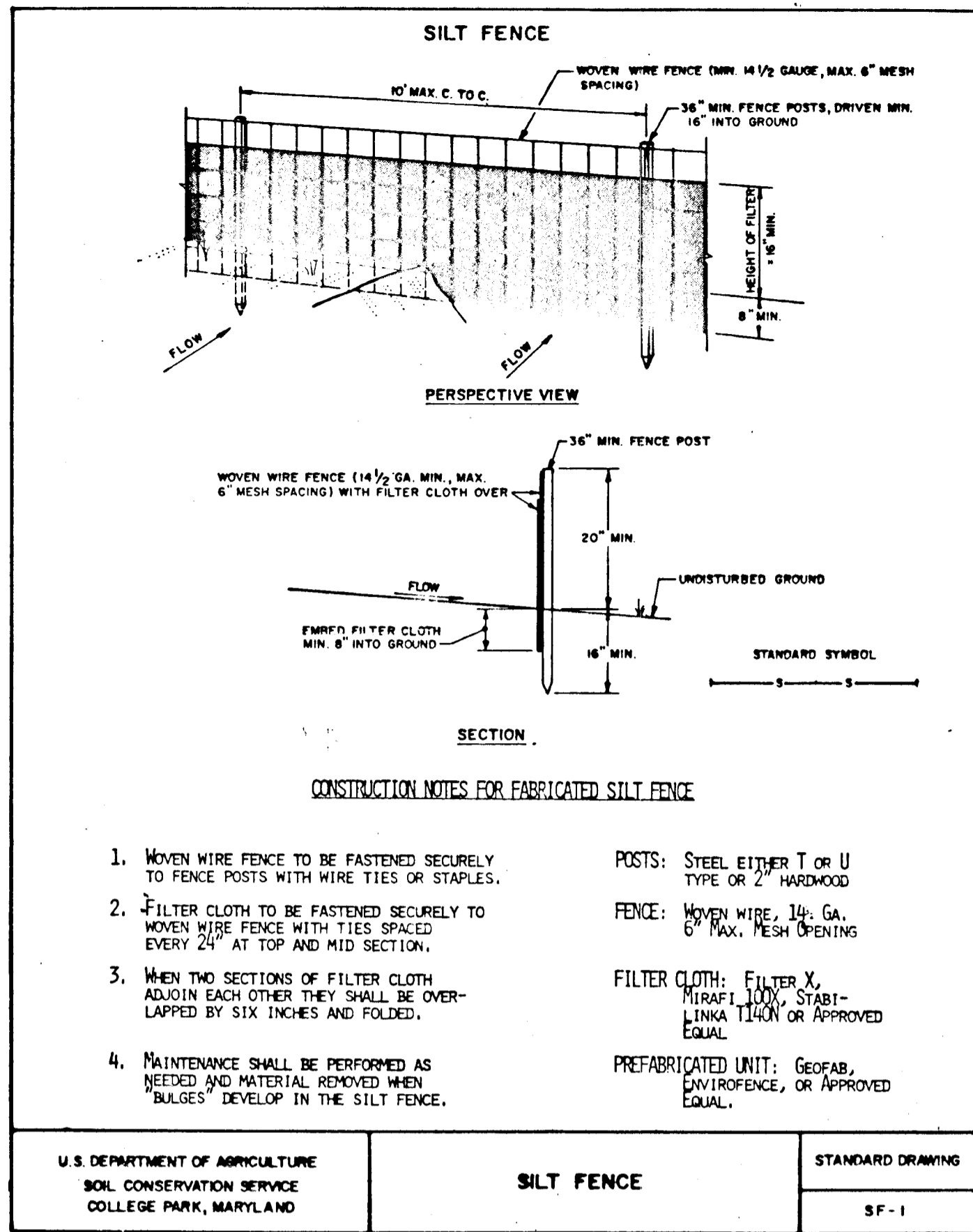
( ) THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *Stephen L. Audin* 9/25/87  
 HOWARD S.C.D. DATE

**PROVIDE INLET PROTECTION AT INLETS I-37 AND I-38. SEE DETAIL ON SHEET 10.**

**CERTIFICATION 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.  
*David L. Carney* 3/25/87  
 DAVID L. CARNEY DATE

**CERTIFICATION BY THE ENGINEER**  
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION, AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*Kenneth A. McCord* 3/26/87  
 KENNETH A. MCCORD, P.E. NO. 1974 DATE





**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

**Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/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 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/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 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping 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 sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

**Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance -** Inspect all seeded areas and make needed repairs, replacements and reseeding.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

**Soil Amendments:** Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/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 sod.

**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

**SEDIMENT CONTROL NOTES**

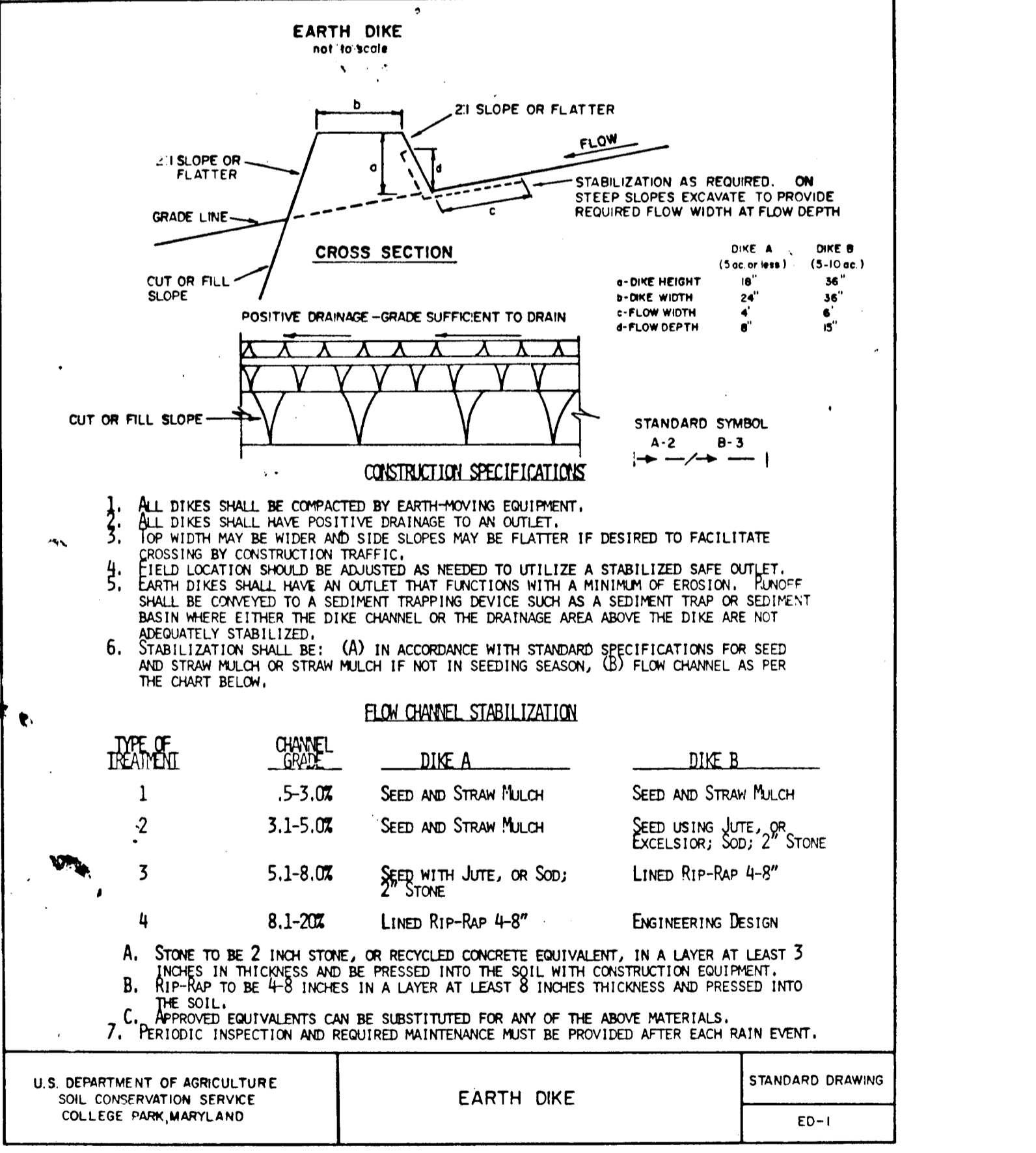
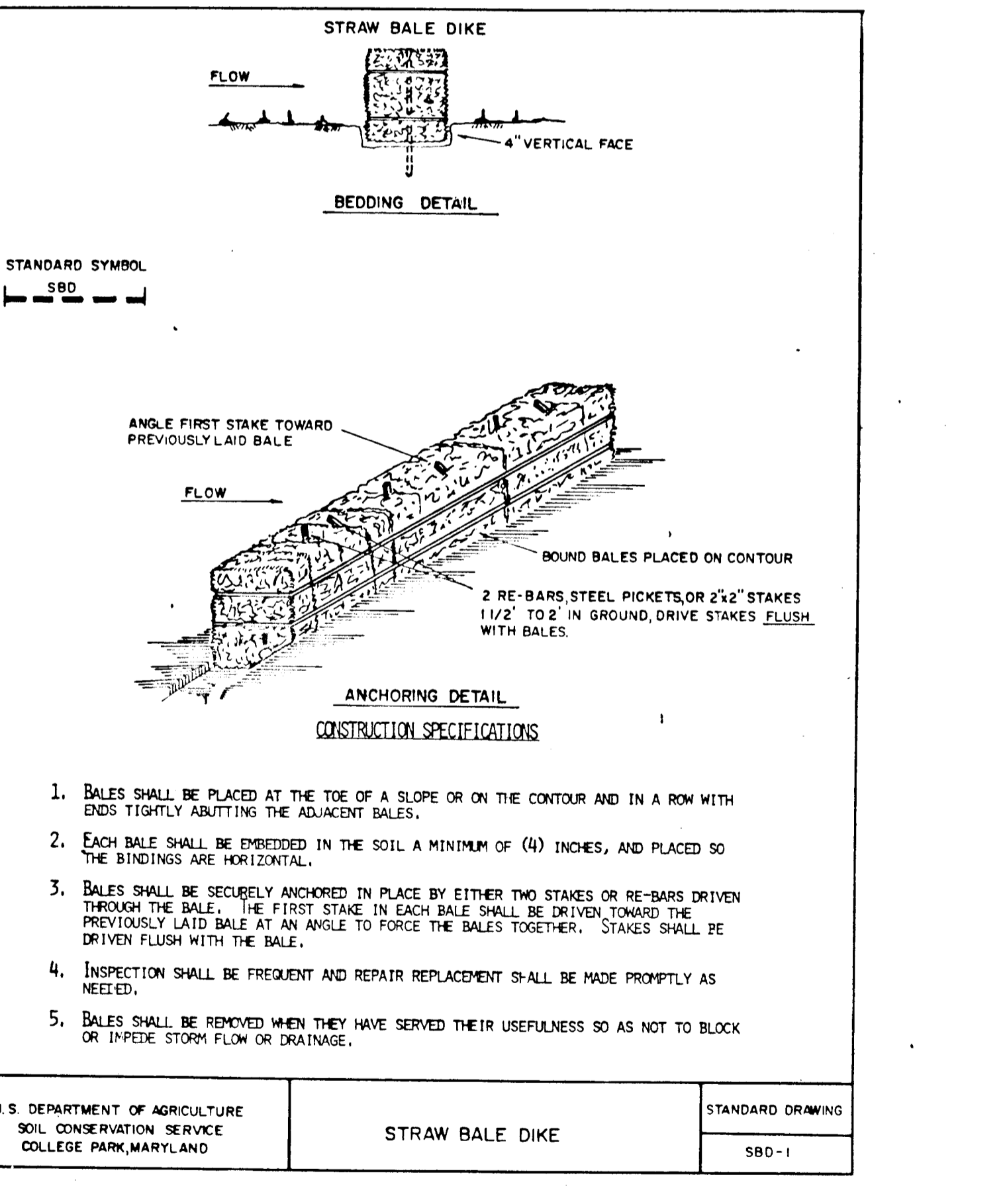
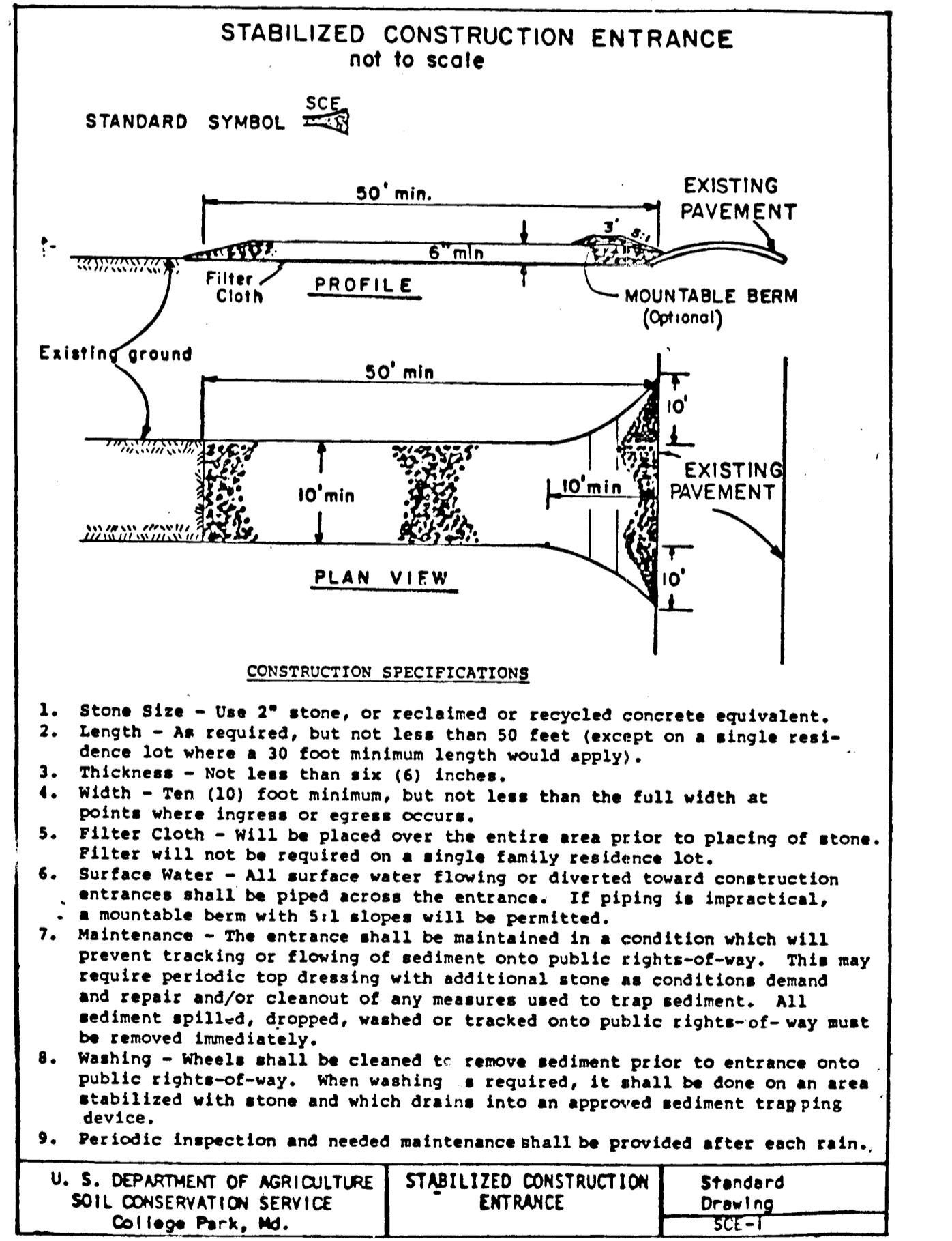
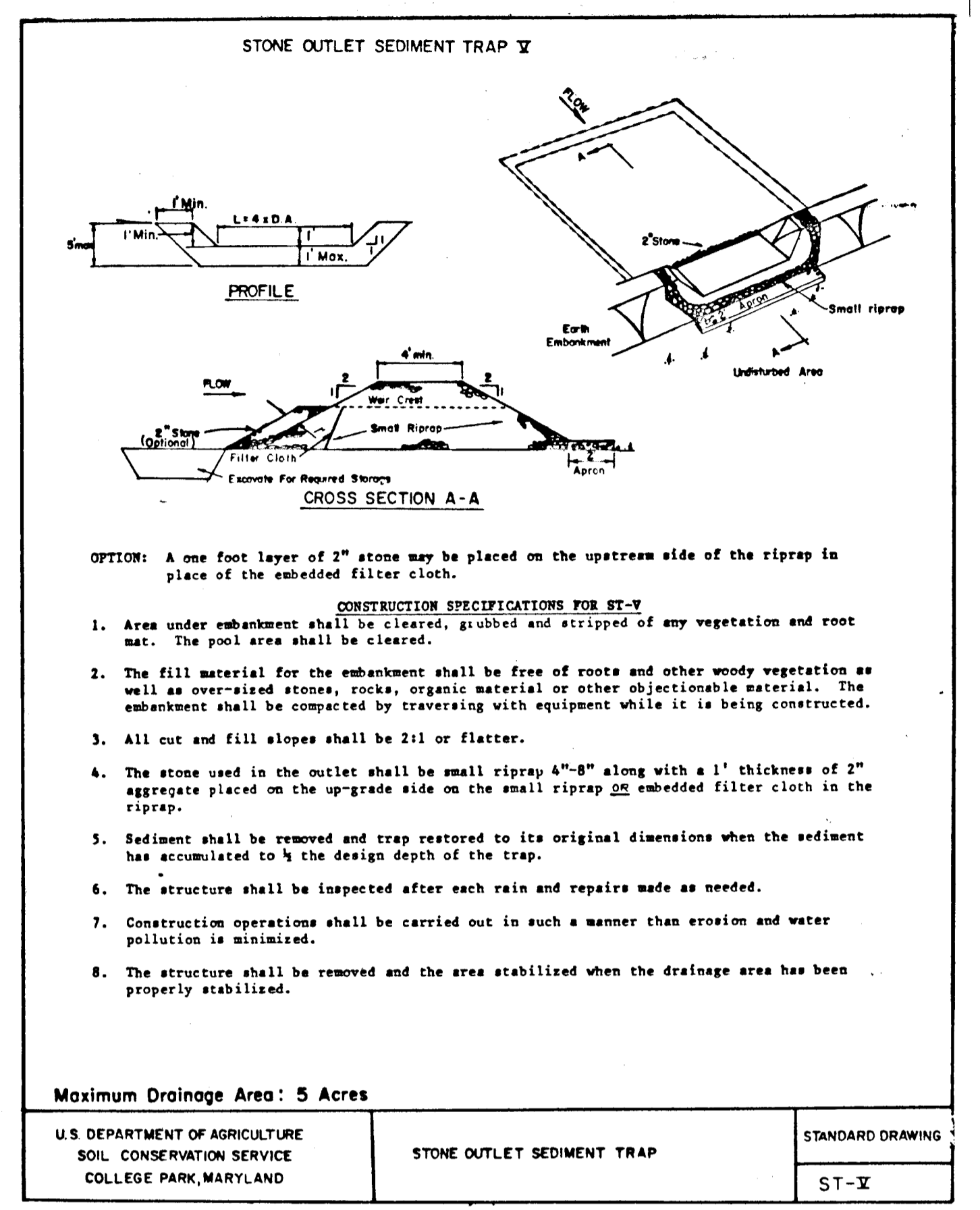
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter 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 permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). 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.

**Site Analysis:**

Total Area of Site	16.36 Acres
Area Disturbed	11.6 ± Acres
Area to be roofed or paved	1.5 ± Acres
Area to be vegetatively stabilized	9.0 ± Acres
Total Cut	37500 ± Cu. yds.
Total Fill	4200 ± Cu. yds.

Offsite waste/borrow area location

- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF, LAND DEVELOPMENT DIVISION  
 DATE 9-28-87

CHIEF, BUREAU OF HIGHWAYS  
 DATE 10-15-87

CHIEF, BUREAU OF ENGINEERING  
 DATE 10-2-87

OFFICE OF PLANNING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE 9-28-87

CERTIFICATION 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 COUNTY SOIL CONSERVATION DISTRICT.

Kenneth A. McCord  
 3/26/87

CERTIFICATION BY THE DEVELOPER  
 I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENTATION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

David L. Carney  
 3/25/87

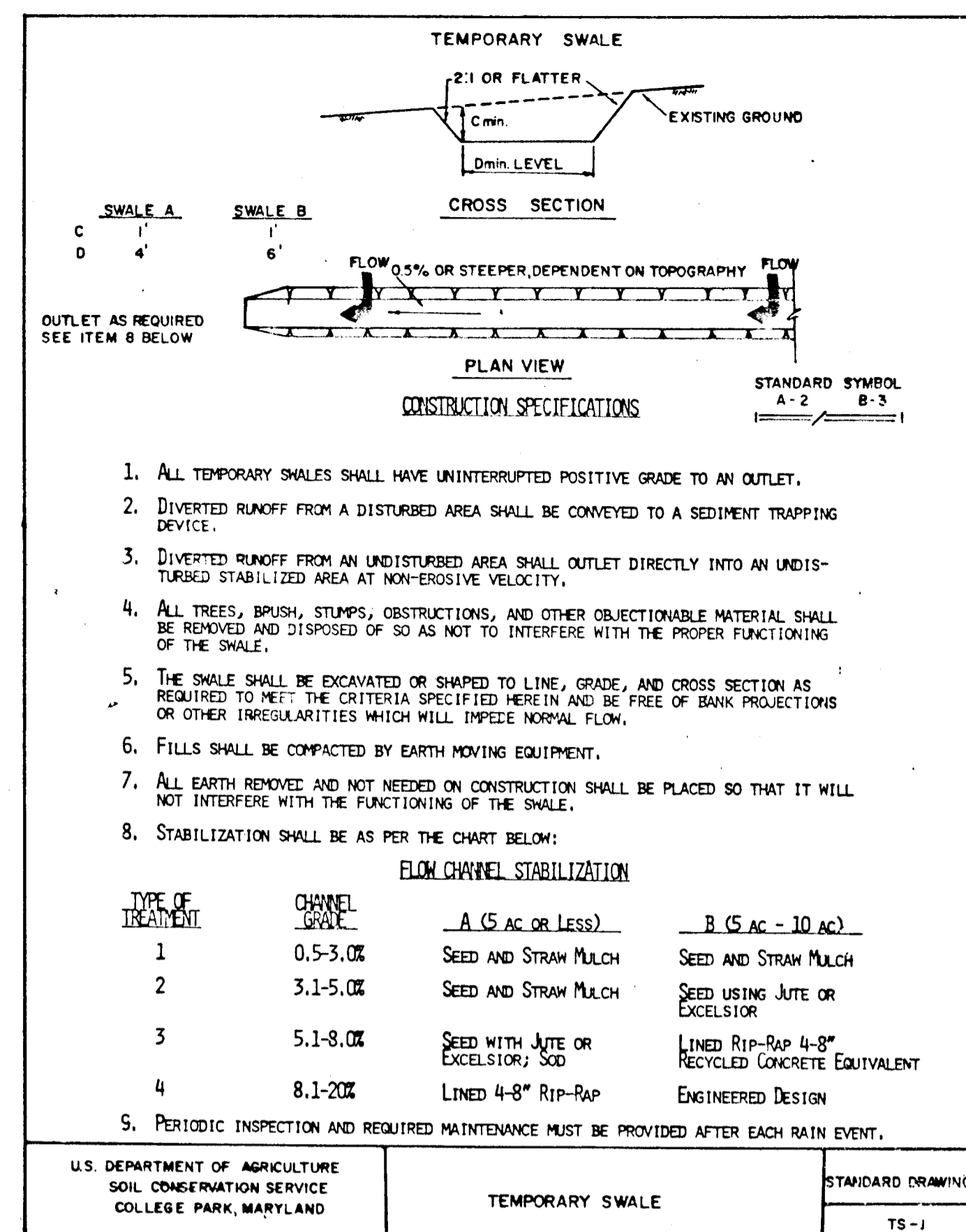
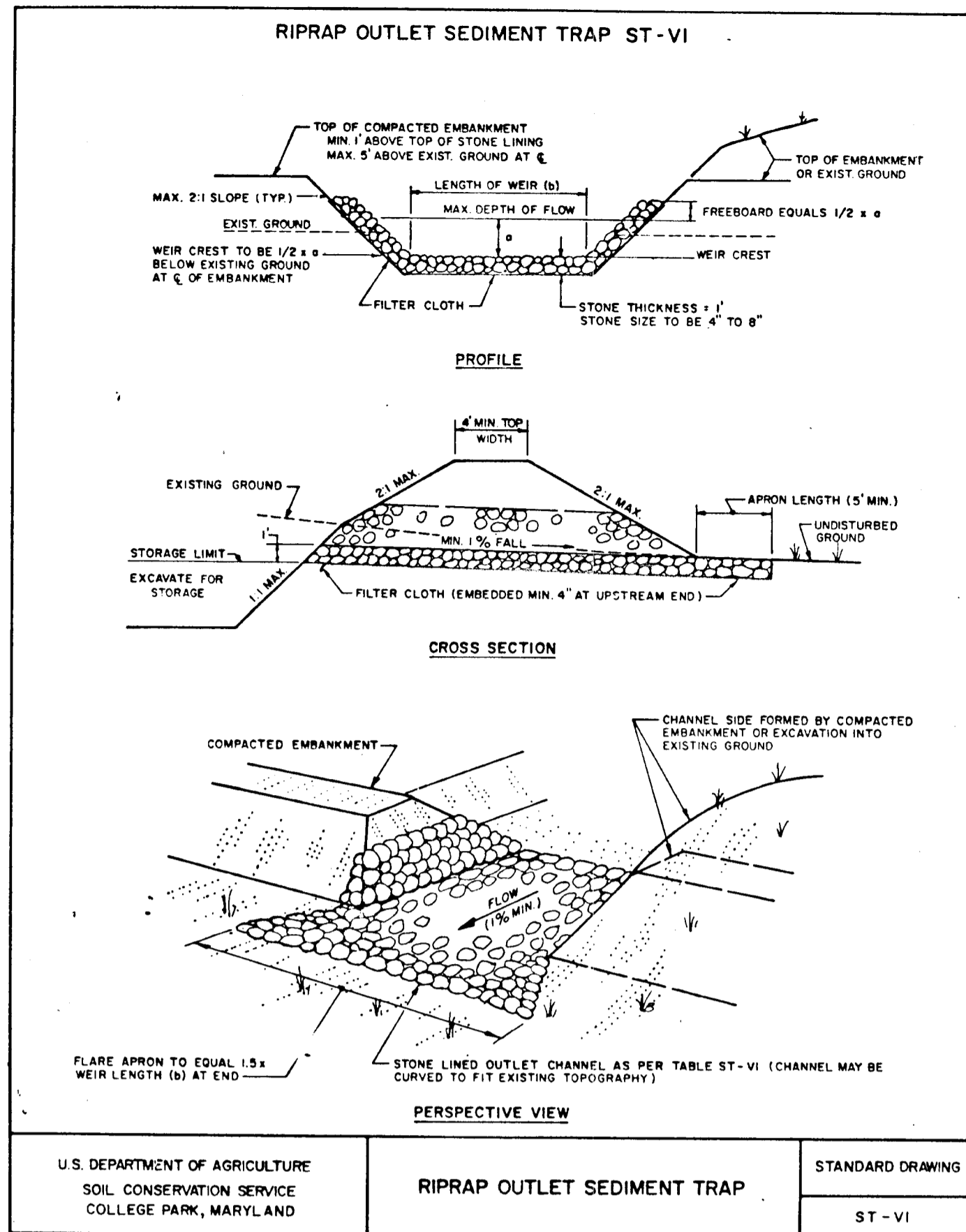
REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Stephen L. Adams  
 9-25-87  
 DATE  
 U.S. SOIL CONSERVATION SERVICE

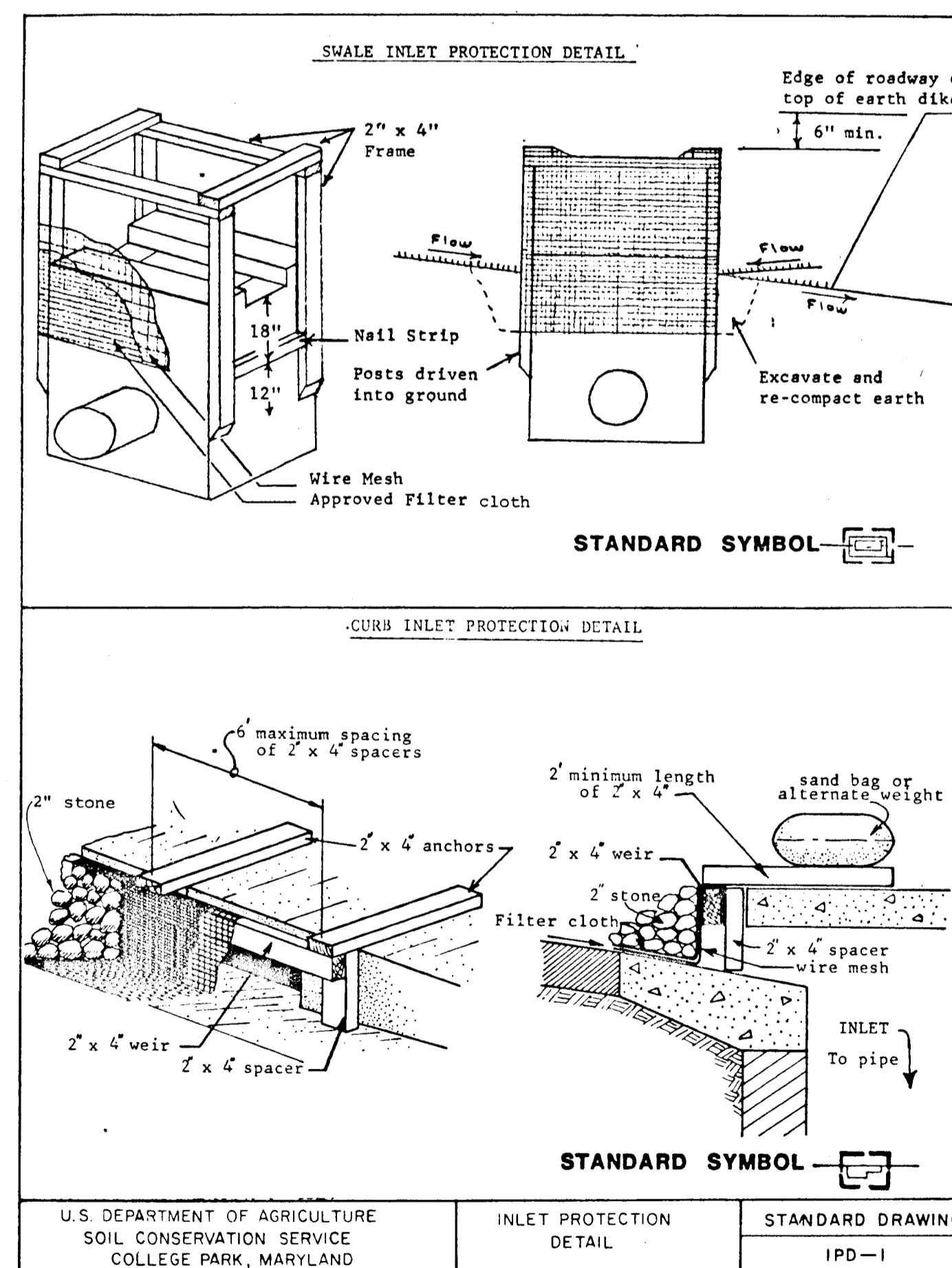
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT

8-4-87	2	As Per DPW Comment #4
7-31-87	1	As Per H&CD Comment #1
REV. DATE	REV. NO.	REVISION DESCRIPTION
<b>BURLEIGH MANOR</b>		
2nd ELECTION DISTRICT		
HOWARD COUNTY, MARYLAND		
DEVELOPER		
ROSE / RICHMOND JOINT VENTURE		
PROJECT AREA		
BURLEIGH MANOR		
SECTION 3 AREA 2		
PROJECT TITLE		
SEDIMENT CONTROL		
DETAILS		
SCALE: NO SCALE		DATE: 3/24/87
WHITMAN, REQUARDT AND ASSOCIATES		
ENGINEERS		
BALTIMORE, MARYLAND		
APPROVED: Kenneth A. McCord		Kenneth A. McCord
HOWARD S.C.D.		KENNETH A. MCCORD
REGISTERED ENGINEER NO. 1974		





- CONSTRUCTION SPECIFICATIONS FOR ST-VI**
1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
  2. The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
  3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
  4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
  5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
  6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
  7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
  8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  9. The structure shall be inspected after each rain and repaired as needed.
  10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
  11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
  12. Drainage area for this practice is limited to 15 acres or less.



**CERTIFICATION 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.

*Kenneth A. McCord* 3/26/87  
KENNETH A. MCCORD

**CERTIFICATION BY THE DEVELOPER**

I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEFINED NECESSARY.

*James M. Kelly* 9-25-87  
DATE  
U.S. SOIL CONSERVATION SERVICE

*David L. Carney* 3/25/87  
DAVID L. CARNEY

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*Stephen L. Kelly*  
HOWARD S.C.D. DATE

APPROVED: *Stephen L. Kelly*  
HOWARD S.C.D. DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

8-4-87	1	As Per DPW Comment #4
REV. DATE	REV. NO.	REVISION DESCRIPTION
<b>BURLEIGH MANOR</b> 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DEVELOPER ROSE / RICHMOND JOINT VENTURE		
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 2		
PROJECT TITLE SEDIMENT CONTROL DETAILS		
SCALE:	NO SCALE	DATE: 3/21/87
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND		
REGISTERED ENGINEER NO. 1974		<i>Kenneth A. McCord</i> KENNETH A. MCCORD

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Michael J. Kelly* 9-25-87  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Craville W. Weiland* 10/5/87  
CHIEF, BUREAU OF HIGHWAYS DATE

*James M. Kelly* 10-2-87  
CHIEF, BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING  
*John M. Kelly* 9-25-87  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE