

**DEVELOPER'S CERTIFICATE II**  
I ALSO CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A D.N.R. APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

*Donald W. Goldsmith* 3/17/87

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

*John H. Hume* 4-15-87  
U.S. SOIL CONSERVATION SERVICE

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

*Stephen D. Hinkle* 4-15-87  
HOWARD S.C.D.

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Wendell D. Goff* 1/12/87  
JITENDER K. DATTA DATE

**DEVELOPER'S CERTIFICATE I**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND WITH DUE REGARD TO THE PRINCIPALS OF SEDIMENT AND EROSION CONTROLS. I/WE AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Donald W. Goldsmith* 1/15/87  
DONALD W. GOLDSMITH DATE

APPROVED DEPARTMENT OF PUBLIC WORKS

*William B. Ray* 4-21-87  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING

*Louis F. Brown* 4-20-87  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

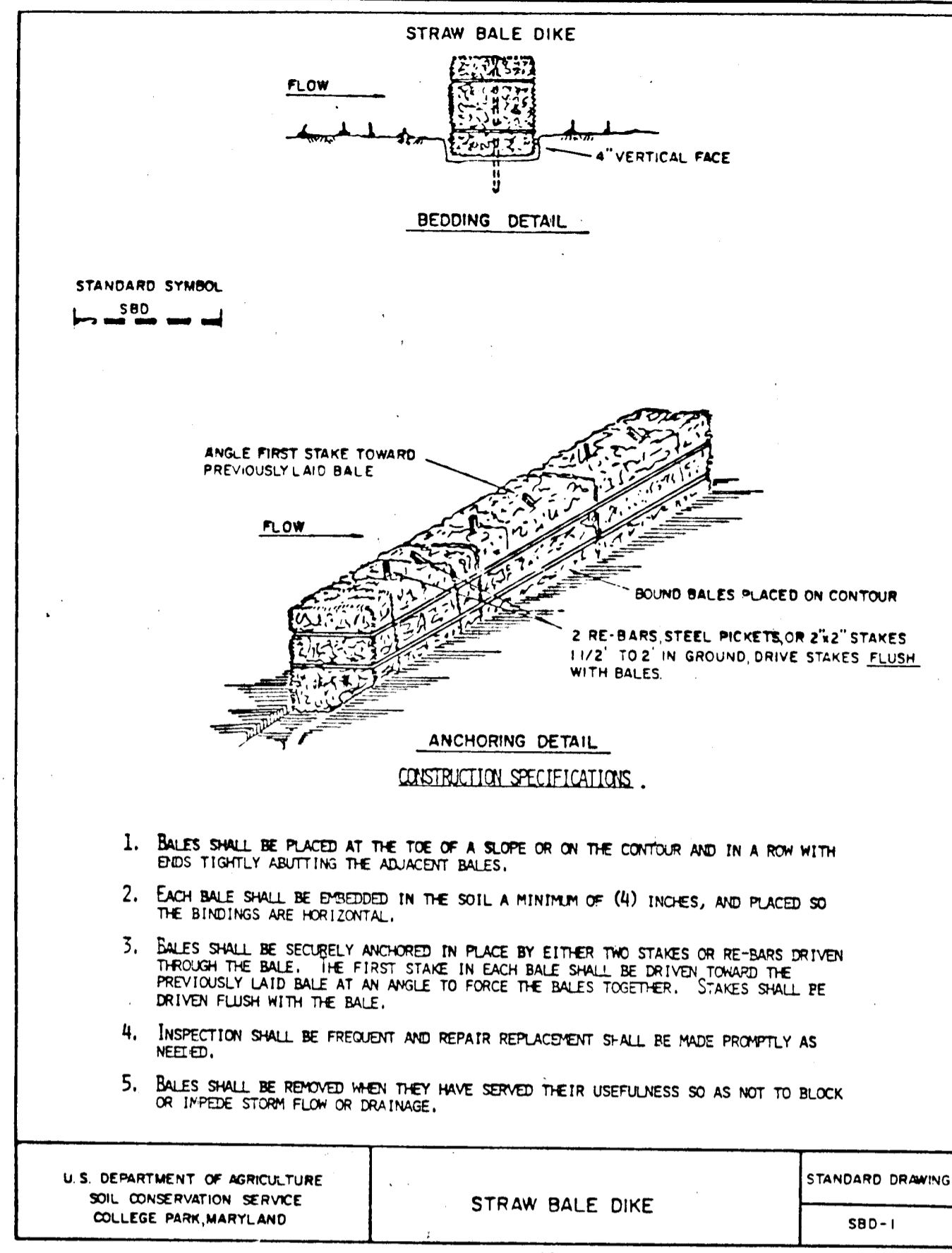
**WINSLOW PROPERTY PLAN AND DETAILS**

OWNER AND DEVELOPER  
DONALD W. GOLDSMITH  
3556 LAKEWAY DRIVE  
ELLCOTT CITY, MD 21043

SCALE AS SHOWN DATE: JAN. 15, 1987 DWG. NO. 1 OF 2

**data consultants, inc.**  
7820 MAIN FALLS CIRCLE, BALTIMORE, MD 21228  
597-9119

*John Hume* 11-29-87



**SEDIMENT CONTROL NOTES**

- 1) 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)
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) 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
- 7) Site Analysis:
 

Total Area of Site	10 Acres
Area Disturbed	0.20 Acres
Area to be roofed or paved	0.12 Acres
Area to be vegetatively stabilized	0.08 Acres
Total Cut	40 Cu. yds
Total Fill	40 Cu. yds
Offsite waste/borrow area location	NONE
- 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 DPW sediment control inspector.
- 10) 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.

**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:

- 1) Preferred — Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square 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).
- 2) 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.

**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 60 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 gallons 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.

**SEQUENCE OF OPERATIONS:**

1. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST 48 HOURS BEFORE BEGINNING THE WORK.
3. INSTALL ALL SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES.
4. NOTIFY SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF SAID INSTALLATIONS.
5. WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB THE SITE.
6. GRADING OF SITE.
7. PAVING AND SEED AND MULCH THE DISTURBED AREAS.
8. REMOVE SEDIMENT CONTROL DEVICES WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.

APPROVED DEPT. OF PUBLIC WORKS <i>[Signature]</i> CHIEF, BUREAU OF ENGINEERING DATE 4-21-87
APPROVED OFFICE OF PLANNING AND ZONING <i>[Signature]</i> CHIEF, DIV. OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 4-20-87
REVIEWED FOR HOWARD S.C.D AND MEETS TECHNICAL REQUIREMENTS. <i>[Signature]</i> U.S. SOIL CONSERVATION SERVICE DATE 4-15-87
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. <i>[Signature]</i> HOWARD S.C.D. DATE 4-15-87

<b>WINSLOW PROPERTY SEDIMENT CONTROL DETAILS</b>		
OWNER AND DEVELOPER DONALD W. GOLDSMITH 3556 LAKEWAY DRIVE ELLICOTT CITY, MD 21043		
SCALE AS SHOWN	DATE: MAR 15, 1987	DWG. NO. 2 OF 2
dc data consultants, inc. 7820 MAIN FALLS CIRCLE, BALTIMORE, MD 21228 597-9119		



#1254