

- SEQUENCE OF CONSTRUCTION.**
1. OBTAIN GRADING PERMIT
  2. NOTIFY HOWARD CO. DEPT. OF PERMITS AND LICENSES.
  3. INSTALL STONE CONSTRUCTION ENTRANCES, INTERCEPTOR DIKES & STRAW BALE DIKES.
  4. ROUGH GRADE SITE.
  5. PROCEED WITH BUILDING & UTILITY CONSTRUCTION
  6. FINE GRADE SITE.
  7. STABILIZE AREAS TO BE SEEDING PER PERMANENT SEEDING NOTES.
  8. REMOVE SEDIMENT CONTROL DEVICES, & STABILIZE THESE AREAS.
  9. PAVE AREAS TO BE PAVED.
  10. OBTAIN FINAL APPROVAL FROM INSPECTOR TO INSURE OCCUPANCY.

**NOTE:**  
 PRIOR TO BEGINNING WORK, SEDIMENT CONTROL INSPECTOR SHALL VERIFY THAT EXISTING SEDIMENT TRAP IS IN SATISFACTORY CONDITION.

INLET PROTECTION  
 SEE DETAIL  
 SHEET 30F3

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR  
 JOHN W. MULLICHAM  
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE 8-27-84

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT.  
 COUNTY HEALTH OFFICER  
 DATE 8-23-84

APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS, & PUBLIC ROADS HOWARD COUNTY DEPT. OF PUBLIC WORKS  
 DIRECTOR  
 DATE 8-22-84  
 CHIEF, BUREAU OF ENGINEERING

**CERTIFICATION BY DEVELOPER**  
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL & THAT ALL RESPONSIBLE PERSONNEL INVOLVED WITH THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT & EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC INSPECTION ON-SITE BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
 SIGNATURE  
 DATE 4/8/84

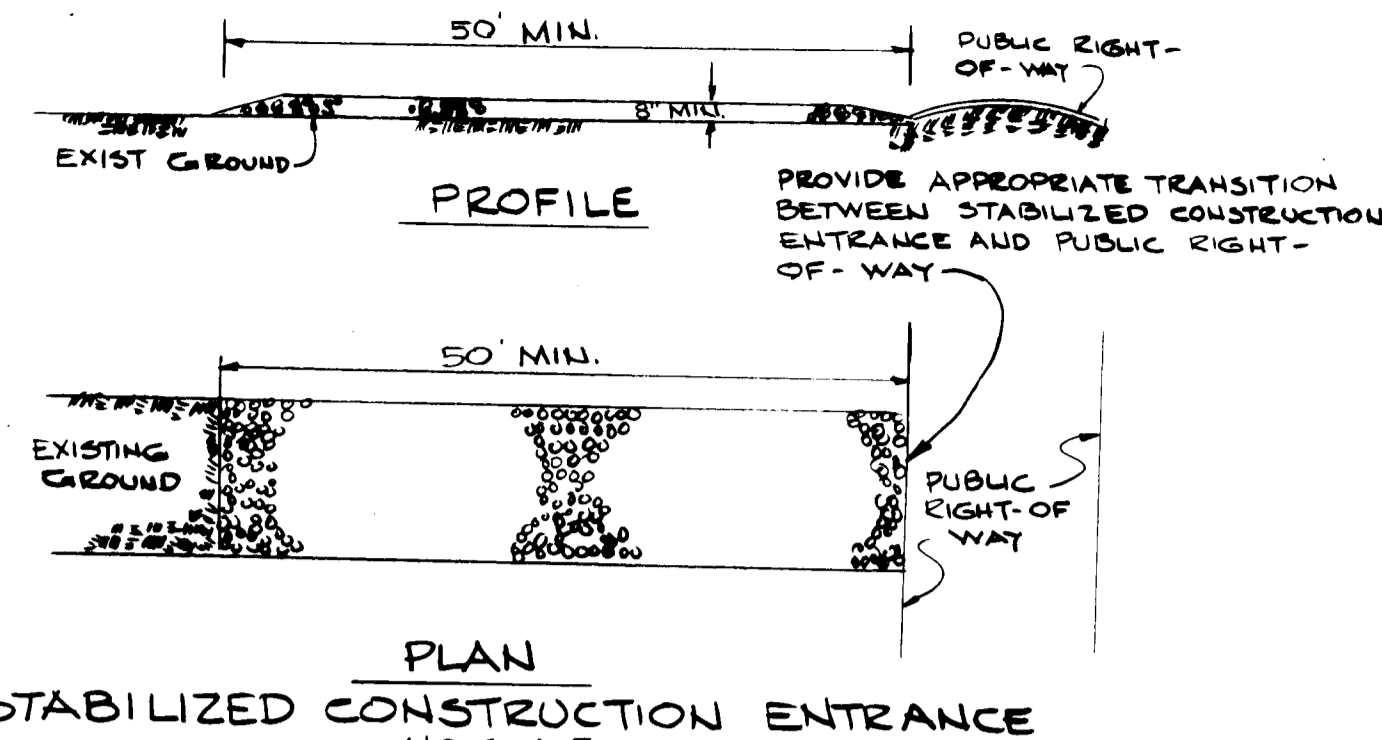
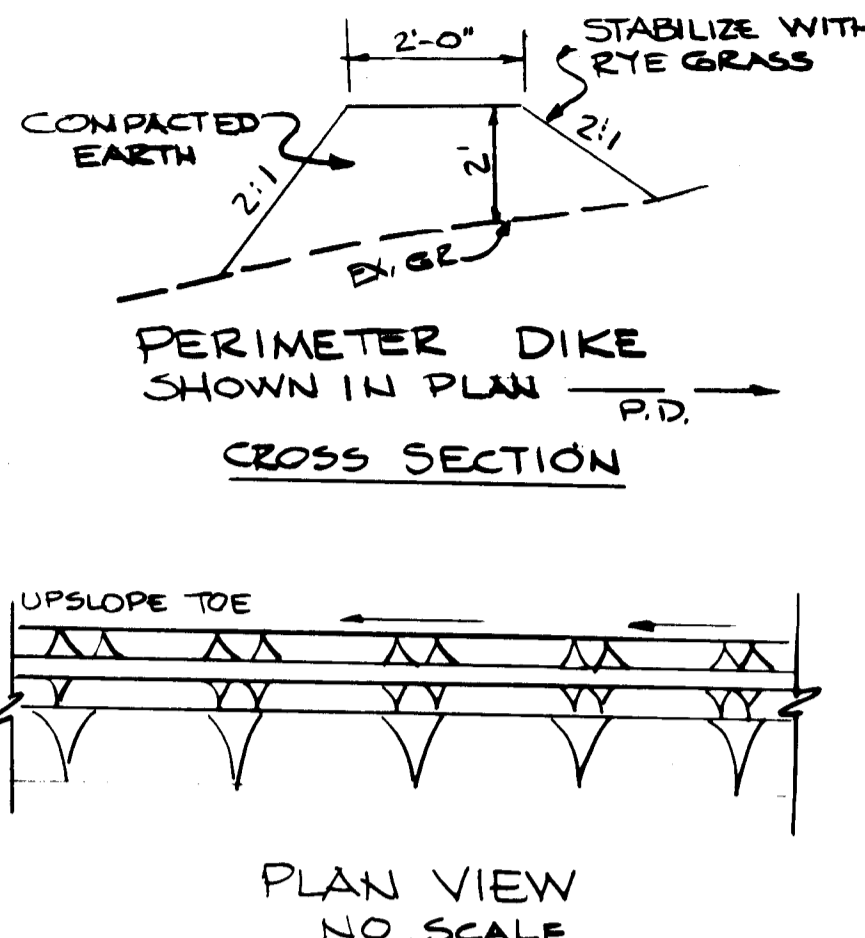
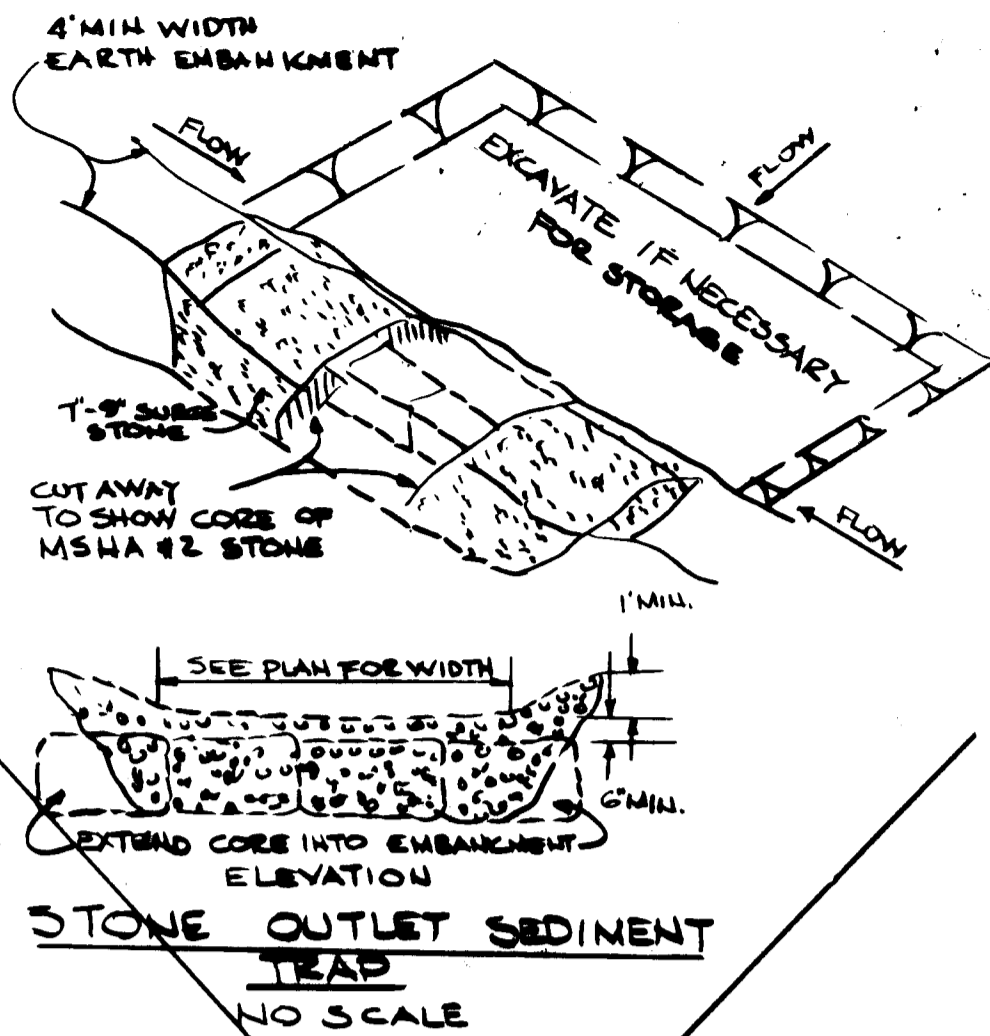
**CERTIFICATION BY ENGINEER**  
 I CERTIFY THAT THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 WALTER PARK  
 WALTER PARK  
 PROFESSIONAL L.S. # 5580  
 DATE 6-21-1984



REVIEWED: FOR HOWARD SOIL CONSERVATION DISTRICT & MEETS TECHNICAL REQUIREMENTS  
 J. H. HARRIS  
 U.S. SOIL CONSERVATION SERVICE  
 DATE 8-20-84  
 APPROVED: FOR SOIL EROSION & SEDIMENT CONTROL, HOWARD SOIL CONSERVATION DISTRICT.  
 R. H. ZACHAR  
 DATE 8-20-84

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 7-25-84

**SEDIMENT CONTROL PLAN**  
 LOTS 445 THRU 451 DORSEY HALL  
 SECTION 1 AREA 5  
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1"=30'  
 JUNE 12, 1984  
 OWNER & DEVELOPER:  
 CONSOLIDATED HOME BUILDING CORP.  
 SUITE 116 GORMAN PLAZA BLDG  
 8990 RTE 108 COLUMBIA MD. 21045  
 SURVEYORS & ENGINEERS  
 HUDKINS ASSOCIATES INC.  
 3485 HARBERS FARM RD.  
 COLUMBIA, MD. 21044



**CONSTRUCTION SPECIFICATIONS**

(1) 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 IS BEING CONSTRUCTED (3) 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.

(4) THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED (5) CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.

(6) THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

(7) ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.

(8) THE CRUSHED STONE USED IN THE OUTLET SHALL MEET AASHTO DESIGNATIONS M43, SIZE No. 2 OR 24 OF ITS EQUIVALENT SUCH AS MSHA No. 2, GRAVEL, MEETING THE ABOVE GRADATION, MAY BE USED IF CRUSHED STONE IS NOT AVAILABLE. CRUSHED RUN IS NOT ACCEPTABLE.

DRAINAGE AREA LESS THAN 5 ACRES. STANDARD SYMBOL ST-3

**CONSTRUCTION SPECIFICATIONS**

- ALL DIKES SHALL BE MACHINE COMPACTED.
- ALL PERIMETER DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- A. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED UPLAND AREA SHALL OUTLET DIRECTLY ONTO AN UNDISTURBED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.  
B. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS SEDIMENT TRAP OR A SEDIMENT BASIN OR TO AN AREA PROTECTED BY ANY OF THESE PRACTICES.
- STABILIZATION, WHEN REQUIRED, SHALL BE DONE IN ACCORDANCE WITH STANDARD AND SPECIFICATIONS FOR GRASSED WATERWAY. THE MINIMUM AREA TO BE STABILIZED SHALL BE THE CHANNEL FLOW AREA.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.

DRAINAGE AREA LESS THAN 5 ACRES

**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE MSHA SIZE No. 2 (2-1/2" TO 1") OR AASHTO DESIGNATION M43, SIZE No. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
- LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET
- THICKNESS - NOT LESS THAN EIGHT (8) INCHES
- WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS AND EGRESS.
- WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

STANDARD SYMBOL

**PERMANENT SEEDING NOTES**

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

**SEEDBED PREPARATION:** LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** APPLY 2 TONS PER ACRE DOLOMITIC Limestone (92 LBS/1,000 SF) AND 600 LBS PER ACRE 0-20-20 FERTILIZER (14 LB/1,000 S.F.). HARROW OR DISC LIME AND FERTILIZER INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE (9.2 LBS/1000 S.F.) OF 38-0-0 UREA FORM FERTILIZER AND 500 LBS. PER ACRE (11.5 LBS/1000 S.F.) OF 10-20-20 FERTILIZER.

**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 S.F.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1,000 SF) 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 TON/ACRE WELL ANCHORED STRAW.

**MULCHING:** APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SF) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPE 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALLONS/1000 SF) FOR ANCHORING.

**MAINTENANCE:** INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

**SEEDBED PREPARATION:** LOOSEN UPPER 3 INCHES BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS.

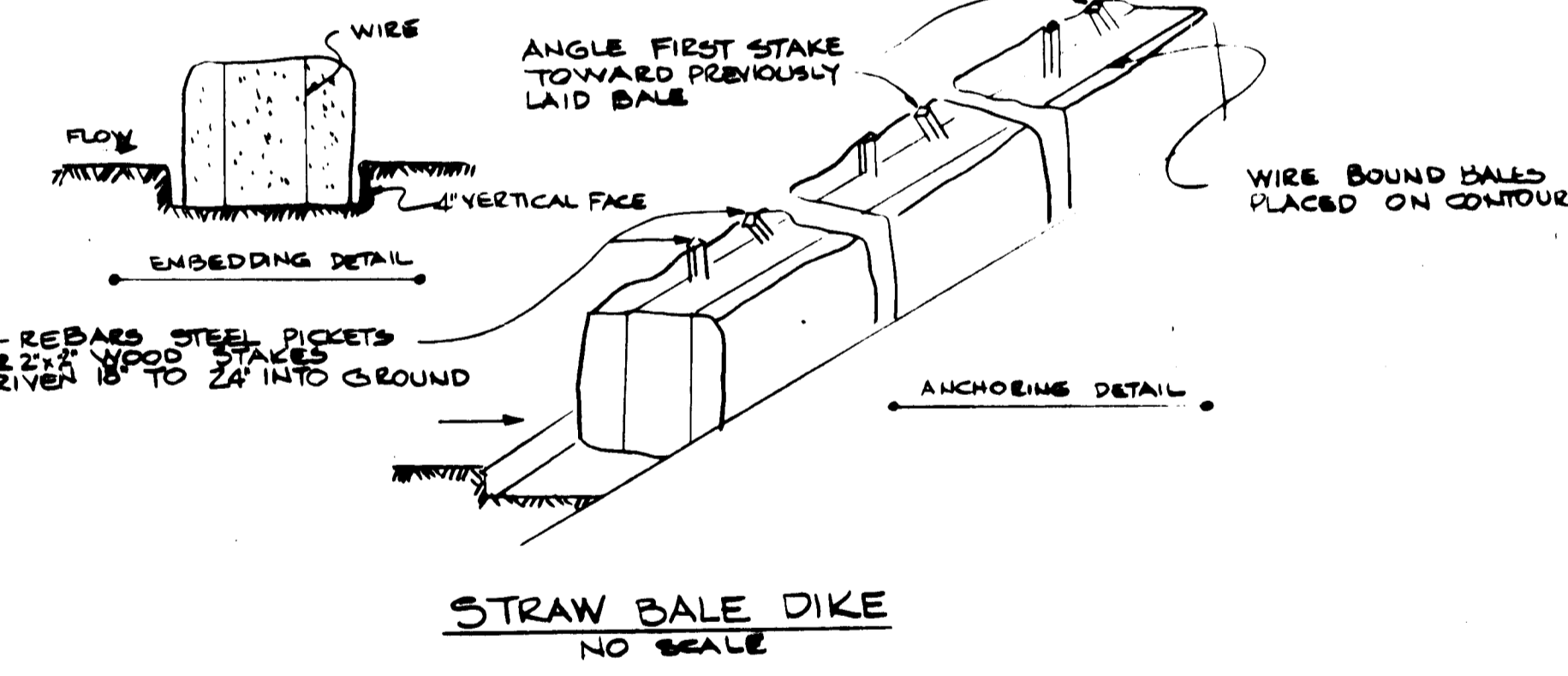
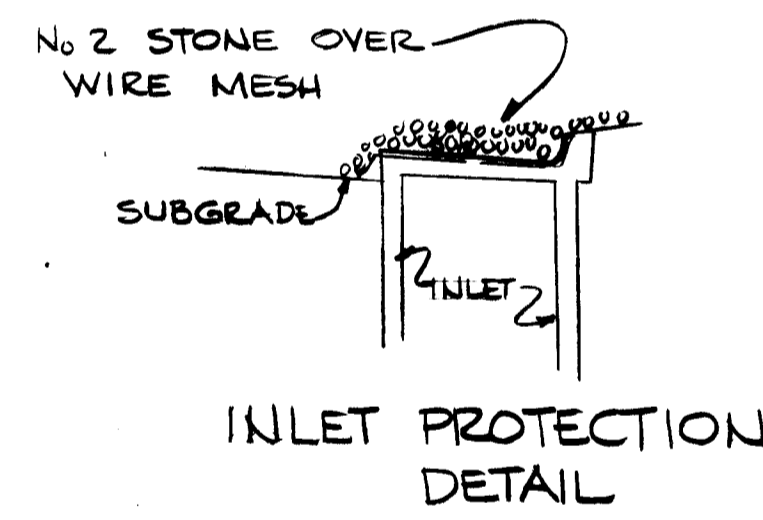
**SOIL AMENDMENTS:** APPLY 600 LBS PER ACRE (15 LBS/1000 S.F.) OF 10-20-10 FERTILIZER.

**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOV. 15, SEED WITH 2 1/2 BUSHELS PER ACRE (3.2 LBS/1000 SF) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14 SEED WITH 3 LBS./ACRE (9.07 LBS./1000 S.F.) OF WEEPING LOVEGRASS.

**MULCHING:** APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SF) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GALLONS/1,000 S.F.) FOR ANCHORING.

**GENERAL NOTES:**

- REFER TO USDA - SOIL CONSERVATION SERVICE STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN DEVELOPING AREAS FOR STANDARD DETAILS & DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR ADJUSTMENTS CAN BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRED PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.
- AT THE DAY OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED & LEFT IN OPERATIONAL CONDITION.
- ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- ANY CHANGE TO THE GRADING ON THIS PLAN REQUIRES RESUBMISSION FOR APPROVAL.
- DUST CONTROL SHALL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO USDA SOIL CONSERVATION SERVICE "STANDARD & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS", PP. G2.01 & G2.02 FOR ACCEPTABLE METHOD & SPECIFICATIONS FOR DUST CONTROL.
- ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR & THE HOWARD CO. SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.



**CONSTRUCTION SPECIFICATIONS**

- BALES SHALL BE IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4"
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STANDARD SYMBOL

\*DRAINAGE AREA LESS THAN 1/2 ACRE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DATE: 8-27-84  
 PLANNING DIRECTOR  
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN.

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

Walter Park  
 WALTER PARK  
 PROFESSIONAL L.S.# 5550  
 DATE: 6-21-1984

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 7-25-84  
 [Signature]

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT.  
 COUNTY HEALTH OFFICER  
 DATE: 8/24/84

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

REVIEWED: FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 U.S. SOIL CONSERVATION SERVICE  
 DATE: 8-20-84

APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS, & PUBLIC ROADS HOWARD COUNTY DEPT. OF PUBLIC WORKS  
 DIRECTOR  
 DATE: 8-23-84

W. [Signature]  
 CHIEF, BUREAU OF ENGINEERING  
 DATE: 8-23-84

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: FOR SOIL EROSION & SEDIMENT CONTROL, HOWARD SOIL CONSERVATION DISTRICT.  
 OWNER & DEVELOPER  
 CONSOLIDATED HOME BUILDING CORPORATION  
 SUITE 116 GORMAN PLAZA BLDG  
 8950 ROUTE 108  
 COLUMBIA, MARYLAND 21045  
 DATE: 8-20-84

SURVEYORS & ENGINEERS  
 HUDKINS ASSOCIATES INC.  
 231 JOSEPH SQUARE  
 5485 HARPERS FARM RD  
 COLUMBIA MARYLAND  
 21044

**SEDIMENT CONTROL PLAN**  
 LOTS 445 THRU 451 DORSEY HALL  
 SECTION 1 AREA 5  
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN  
 JUNE 12, 1984