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) and (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	0.34	Acres
Area Disturbed	0.21	Acres
Area to be roofed or paved	0.07	Acres
Area to be vegetatively stabilized	0.14	Acres
Total Cut	100	Cu. Yds.
Total Fill	500	Cu. Yds.
Offsite waste/borrow area location	N/A	

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 control, but before proceeding with any other earth disturbance or grading. Other buildings or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

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 OATS AT 3 BUSHELS PER ACRE (2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 1 1/2 LBS PER ACRE OF WEEPING LOVEGRASS (.035 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF UNANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD.

MULCHING: APPLY 1½ 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.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT, LONG-LIVE VEGETATIVE COVER IS NEEDED.

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

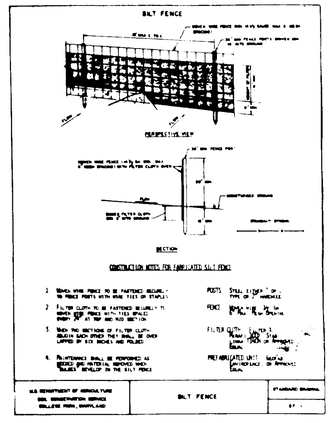
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (90 LBS/1000 SQUARE FEET) 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 POUNDS PER ACRE 30-0-0 UREA-FORM FERTILIZER (9 LBS/1000 SQ. FT.)
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (90 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.

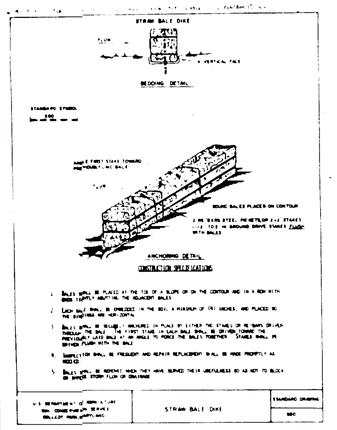
SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEE OPTION (1). PER ACRE (1) 4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 50 LBS. KENTUCKY 31 TALL FESCUE AND 10 LBS PER ACRE (.20 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF UNANCHORED 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 1½ 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 RESEEDINGS.



AT DEVELOPERS OPTION



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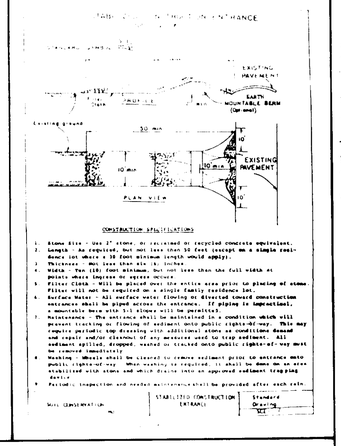
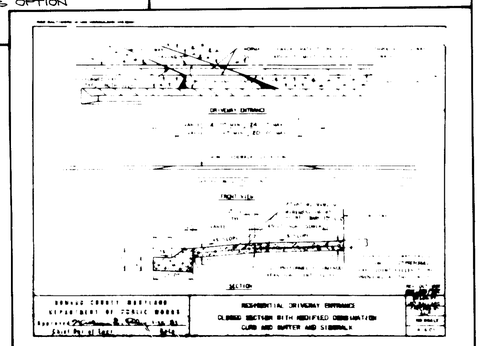


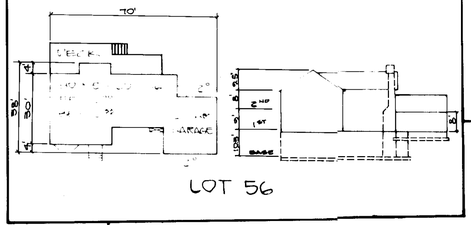


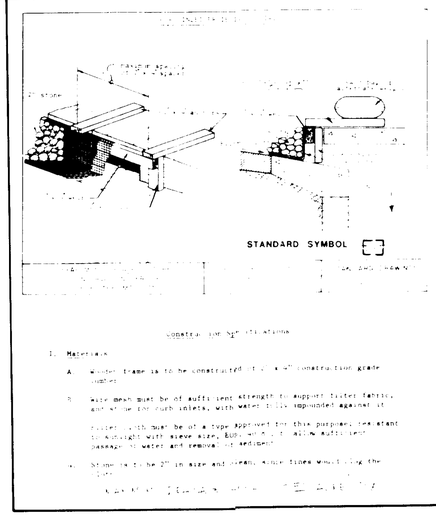
B. Curb Inlet Protection

1. Attach a continuous piece of wire mesh (40 mm. width by throat length plus 4') to the 3" x 4" weir (measuring throat length plus 2') as shown on the standard drawing.
2. Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 3" x 4" weir.
3. Securely nail the 3" x 4" weir to 9' long vertical spacers to be located between the weir and inlet face (max. 8' apart).
4. Place the assembly against the inlet throat and nail (minimum of 3 nails) to top of the weir at spacer locations. These 3" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.

The assembly shall be placed so that the end spacers are a minimum of 6" beyond both ends of the throat opening.

5. Place the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place sandbags along the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under the filter cloth.
6. Inspection frequency shall be once per week and after each rainfall. Clean and repair when needed.
7. Areas that allow flow to not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.





1. Materials

A. Wooden frame is to be constructed of 2" x 4" construction grade lumber.

B. Wire mesh must be of such tensile strength to support filter fabric, and when the two are both loaded, with water, not collapse or allow sediment to pass through with sieve size, but shall allow sufficient passage of water and removal of sediment.

C. Staples to be 2" in size and of such size they will not pull through the lumber.

WARFIELD'S RANGE
SECTION TWO, AREA FOUR
FLAT TOPS
R-20

1. Materials

A. Wooden frame is to be constructed of 2" x 4" construction grade lumber.

B. Wire mesh must be of such tensile strength to support filter fabric, and when the two are both loaded, with water, not collapse or allow sediment to pass through with sieve size, but shall allow sufficient passage of water and removal of sediment.

C. Staples to be 2" in size and of such size they will not pull through the lumber.

LOT #	STREET NAME		
56	10604	COURT	

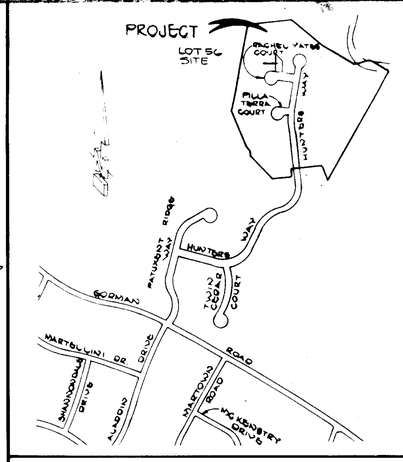
CONSTRUCTION SEQUENCE

1. Obtain GRADING PERMIT
2. Install sediment controls.
3. Clear site.
4. Strip and stockpile topsoil.
5. Excavate for foundation.
6. Pour footings.
7. Install foundation walls.
8. Install utilities.
9. Backfill foundation.
10. Rough grade site.
11. Install walks and drive.
12. Fine grade site.
13. Landscape.
14. Stabilize site.

SUBDIVISION NAME		LOT #	AREA OF LOT
WARFIELD'S RANGE		SEC TWO/FOUR	56
TAX MAP	19	ZONE R-20	42
ELECTION DISTRICT	6TH	CENSUS TRACT	6062
WATER CODE	E 17	SEWER CODE	3500000

VICINITY MAP

SCALE 1" = 600'



Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: 1) Seven (7) calendar days for all perimeter sediment control structures, dikes, swales, ditches, perimeter slopes and all slopes greater than 3:1, 2) Fourteen (14) days as to all other disturbed or graded areas on the project site.

NOTE: The contractor or developer shall contact the Construction Inspection/Survey Division 24 hours in advance of commencement of work at 792-7272.

DEVELOPER'S CERTIFICATE

"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."

Ronald C. Rhoads — 4/18/87 DATE

ENGINEER CERTIFICATE

"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A TECHNICAL 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 - NEIL SCHWARTZ — DATE 4/16/87

REVIEWED FOR HOWARD SOIL CONSERVATION AND MEETS TECHNICAL REQUIREMENTS.

[illegible] — 4-23-87
U.S. SOIL CONSERVATION SERVICE — DATE

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

Stephen L. Taylor 4/23/87
DISTRICT CHAIRMAN — DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Beck — 5-4-87
COUNTY HEALTH OFFICER — DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

Thomas H. Harrigan — 5-5-87
DIRECTOR — DATE

John W. Hessmann — 5-5-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC JORKS

Charles F. Newman — 4-27-87
DIRECTOR — DATE

[illegible] — 4.24.87
CHIEF BUREAU OF ENGINEERING — DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-9-87

TYPE OF MARYLAND — NEIL SCHWARTZ — No. 11440 — REGISTERED PROFESSIONAL ENGINEER

Owner/Developer: POLARIS DEVELOPMENT 3414 MORNINGWOOD LANE OLNEY, MARYLAND 20832 774-8082	NO. REVISIONS DATE	DEVELOPMENT CONSULTANTS GROUP, INC. 17904 GEORGIA AVENUE # 102 OLNEY, MARYLAND 20832 301-924-4570

SDP-87-171

SITE DEVELOPMENT PLAN
LOT 56
WARFIELD'S RANGE
SECTION TWO/AREA FOUR
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP 42, P/O 49

DATE JAN. 1987 | DRAWN DAM | CHECKED [illegible] | SCALE [illegible]

Sheet 1 of 1

SDP-87-171