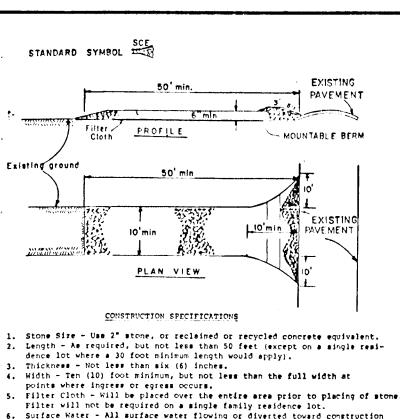


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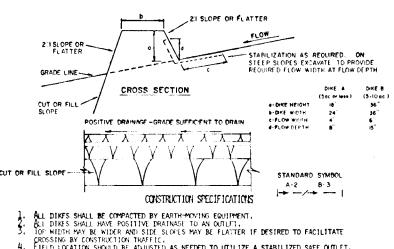


2. Length - As required, but not less than 50 feet (except on a single resi-

 Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This marrequire periodic top dressing with additional atone as conditions demend and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public righte- of- way must

8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping 9. Periodic inspection and needed maintenance shall be provided after each rain.

## STABILIZED CONSTRUCTION ENTRANCE NO SCALE



BLE DIKES SHALL HAVE POSITIVE DRATHAGE TO AN OUTLET.

TOP WIDTH MAY BE WIDTER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE

CROSSING BY CONSTRUCTION TRAFFIC.

FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.

EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINHAM OF EROSION. PLUMOFF

SHALL BE CONVEYED TO A SEDIMENT TRAFFING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.

STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (5) FLOW CHANNEL AS PER THE CHART BELON.

		ELON CHANNEL STABILIZATION	
TYPE OF IREALMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSION; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN
		OR RECYCLED CONCRETE EQUIVALE	
B. RIP-RAP	N THICKNESS AND B TO BE 4 & INCHES	E PRESSED INTO THE SOIL WITH O IN A LAYER AT LEAST 8 INCHES T	ONSTRUCTION EQUIPMENT. HICKNESS AND PRESSED INTO

**3%** ~

JOHN ROMANIK 398— 318/367 A CINOS

PINE ORCHARD

EDWARD ADDISON 875/151 ZONED 8-1

DRAINAGE & UTILITY ESM'T

LANE.

EARTH PIKE

NO SCALE

SEDIMENT CONTROL NOTES

1) A MINIMAN OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS

VISIONS 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 STABILI-

CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, b) 14

4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR

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 SELDINGS (Sec. 51) SOD (Sec. 54), TEMPORARY SEEDING (Sec. 10) AND MULCHING (Sec. 52), TEMPORARY STABILIZATION WITH MULCH

ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER

6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT

9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD

PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL,

10) ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR

OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE

O.46 ACRES

CU.YDS.

O.46 ACRES

PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL.

ZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PRO-

AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).

DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

STORM DRAINAGE.

GERMINATION AND ESTABLISHMENT OF GRASSES.

HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

AREA TO BE VEGETATIVELY STABILIZED O. 1 & ACRES

OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE

OFFSITE WASTE/BORROW AREA LOCATION ON SITE

TOTAL AREA OF SITE

AREA TO BE ROOFED OR PAVED

AREA DISTURBED

TOTAL CUT

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE FEARS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED. SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHIDULES:

PERMANENT SEEDBED PREPARATION

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 10s/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 1bs/10000 so ft)

2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 1bs/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 PERIOUS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, TTH 60 LBS PER ACRE (1.4 1bs/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 (.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 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 lbs/1000 sq ft) OF UNFOTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 lbs/1000 sq ft) OF L/1000 co. £t.) OF EMINISTETED ASPHALT ON FLAT AREAS. ON SLOPES & EFF 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 MISSEUTINGS.

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 1bs/1000 so

DRAINAGE, UTILITY & SWM FACILITY EASEMENT

PROPOSED

BLDG

DRAINAGE AREA MAP

SCALE - 1" = 50"

TEMPORARY SWMF

NO DATE SECURITY DEVELOPMENT CORP. PO BOX 417 DEVELOPER

DAY 3-4 4. CLEAR AND GRUB SITE. DAY 4-7 GRADE SITE. 6. STABILIZE ALL SLOPES IN ACCORDANCE WITH PERMANENT SEEDING DAY 8-25 7. COMPLETE ALL ROADWAY CONSTRUCTION AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES. DAY 25-28 8. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND

PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

10.24.88

WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS

SEQUENCE OF CONSTRUCTION

MOUNTABLE BERM AS SHOWN ON STANDARD DETAIL.

2. INSTALL STABILIZED CONSTRUCTION ENTRANCE (SCE) WITH

3. INSTALL REMAINDER OF SEDIMENT CONTROL DEVICES AND STABILIZE

ALL DISTURBED AREAS IN ACCORDANCE WITH TEMPORARY SEEDING

OBTAIN A GRADING PERMIT.

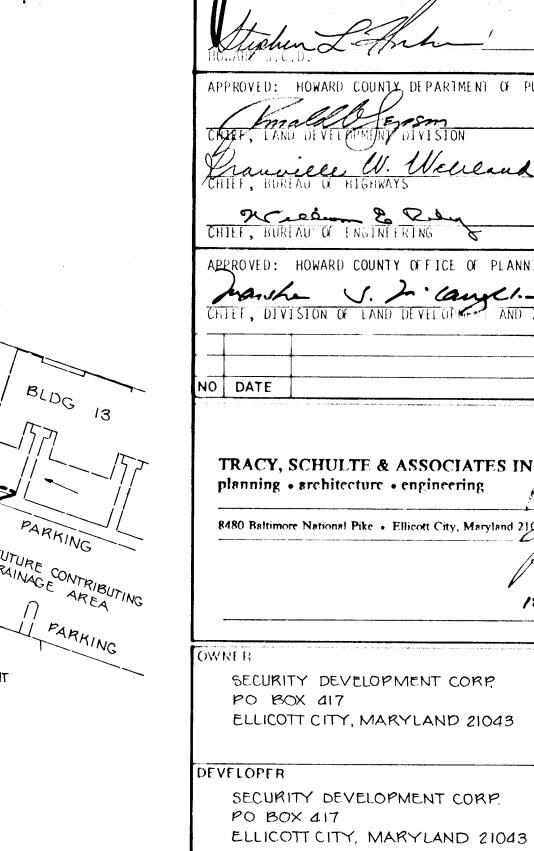
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CER-TIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERI-ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT." 10.24.88 SECURITY DEVELOPMENT CORPORATION - PRESIDENT FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD APPROVED: HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS 12/8/88 DATE 12/12/88 CHIEF, BUREAU OF ENGINEERING 15-13-88 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION K-21-41 REVISION TRACY, SCHULTE & ASSOCIATES INC. planning • srchitecture • engineering

> Donna K Brown ORCHARD HILL SECTION I, AREA I

ELLICOTT CITY, MARYLAND 21043 TAX MAP NO'S 17 \$ 24 PARCELS 130, 204, \$ 510 2HD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SECURITY DEVELOPMENT CORP.

DRN SAB

DRAINAGE AREA MAP, GRADING, SEDIMENT CONTROL, & SWM, PLAN & DETAILS DATE JUNE 13 ,1988 PROJECT NO 0052 KSD



DES. RJW

BY THE ENGINEER: