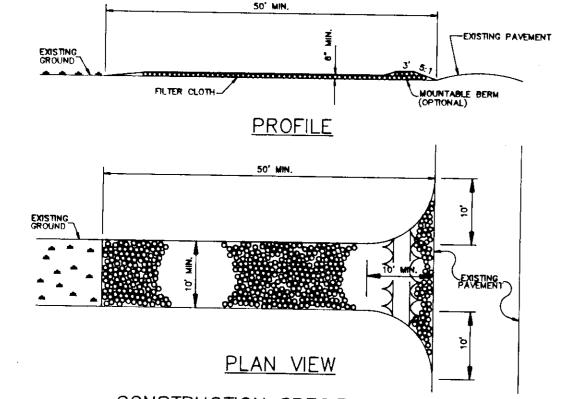


OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH. CONSTUCTION SPECIFICATIONS

- AREA UNDER EMBANKMENT SHALL BE CLEARED, ORUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND 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.
- 3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.

- 4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
- 5. 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.
- 6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAN EROSION AND WATER POLLUTION IS MINIMIZED. 8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

## STONE OUTLET SEDIMENT TRAP



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE — USE 2° STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH — AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM WOULD APPLY).

3. THICKNESS — NOT LESS THAN SIX (8) INCHES.

4. WIDTH — TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.

5. FILTER CLOTH — WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE, FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT.

8. SURFACE WATER — ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE OF INFORMATION OF SEDIMENT ONTO PUBLIC RIGHTS—OF—WAY.

7. MAINTENANCE — THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS—OF—WAY. THIS MAY REQUIRE PERIODIC TOP 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 INMEDIATELY.

8. WASHING — WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS—OF—WAY MUST BE REMOVED INMEDIATELY.

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 DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

# STABILIZED CONSTRUCTION ENTRANCE

WIRE MESH -

II. PROCEDURE (FOR CURB INLET PROTECTION)

I. MATERIALS

CONSTRUCTION SPECIFICATIONS

A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.

B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC, AND STONE, WITH WATER FULLY IMPOUNDED AGAINST IT.

C. FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE; RESISTANT TO SUNLIGHT WITH A SEIVE SIZE, EOS 40-85, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.

D. STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

A. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30" MIN. WIDTH BY THROAT LENGTH PLUS 4") TO THE 2"x4" WEIR (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING.

B. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SEIVE) OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2"x4" WEIR.

— 6" MAX. SPACING OF 2"x4" SPACERS

STONE FILTER INLET PROTECTION

SANDBAG OR ALTERNATE WEIGHT

C. SECURELY NAIL THE 2"x4" WEIR TO 9" LONG VERTICAL SPACERS TO BE LOCATED BETWEEN THE WEIR AND INLET FACE (MAX. 6' APART)

D. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2' LENGTHS) OF 2"x4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS. THESE 2"x4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.

E. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING.

F. FORM THE WIRE MESH AND FILTER CLOTH TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 2" STONE OVER THE WIRE MESH AND FILTER FABRIC IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE

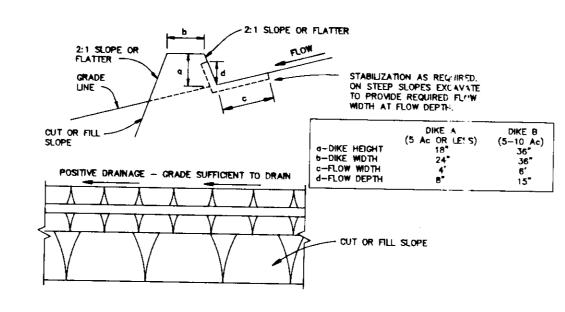
G. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.

H. ASSURE THAT STORM FLOW DOES NOT BYPASS INLET BY INSTALLING TEMPORARY EARTH OR ASPHALT DIKES DIRECTING FLOW INTO INLET.

INLET

TO PIPE

2' MIN. LENGTH OF 2"x4"



CONSTRUCTION SPECIFICATIONS

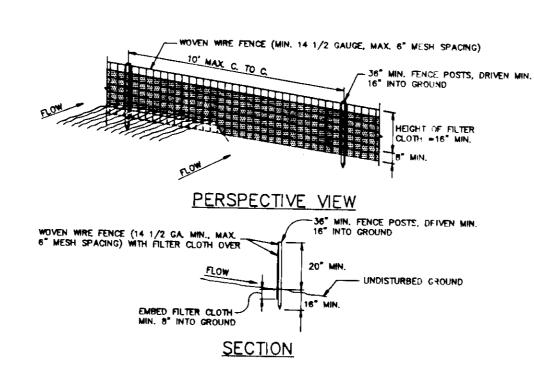
- 1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- 2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- 4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING 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, (B)
  FLOW CHANNEL AS PER THE CHART BELOW:

<u>FL</u>	DW CHANNEL	STABILIZATIO

TYPE OF TREATMENT	'CHANNEL GRADE	DIKE A	DIKE B
1	0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH
2	3.1-5.0%	SEED & STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
. 3	5.1-8.0%	SEED WITH JUTE, OR SOO; 2" STONE	LINED RIPRAP 4-6"
4	8.1-20%	LINED RIPRAP 4-8"	ENGINEERED DESIGN
71 -	E TO BE 2 INCH STON EAST 3 INCHES IN THI STRUCTION EQUIPMENT,	CKNESS AND BE PRESSED	TE EQUIVALENT, IN A LAYER INTO THE SOIL भरान

- B. RIPRAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND
- C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

## EARTH DIKE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES AND STAPLES.
2. FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24° AT TOP AND MID SECTION.

3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPFED BY SIX INCHES (8") AND FOLDED.

4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "PULDES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL, EITHER T OR U TYPE OR 2" HARDWOOD.
FENCE: WOVEN WRE, 14 Ga.,6" MAX. MESH OPENING.
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL. SILT FENCE DETAIL NO SCALE

Apply to graded or cleared areas fittely to be redisturbed where a short—term yegstative cover is needed,

TEMPORARY SEEDING NOTES

Soil Amendmen(# : Apply 800 lbs. per nare 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.). Seeding : For paticula March 1 thru Aort 30 and from August 15 thru November 15, seed with 2-1/2 bushels per nore of onnual rye (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per ocre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 18 thru February 28, protect wite by applying 2 tons per core of well anchored strow mulch and seed as soon as possible in the spring, or use sod.

Middling: Applf 1-1/2 to 2 tons per core 170 to 90 ibs. per 1000 eq.ft.) of unrotied small grain straw immediately ofter seeding. Anchor mulch inimediately after application using mulch ondoring too or 218 gal. per sore (5 gal. per 1000 eq.ft.) of emulsified aspholt on Refer to the 1943 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDMENT 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-lived vegetative cover is needed.

- Sail Amendments: In linu of sail test recommendations, use one of the following schedules: Preferred — Apply 2 tone per sone delemitic limestone (92 lbs. per 1000 sq.ft.) and 800 lbs. per core 10—10—10 fertitizer (14 lbs. per 1000 sq.ft.) before seeding. Hetrew or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per core 30—0—0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- Acceptable Apply 2 tons per sore information Research (92 lbs. per 1000 se.ft.) and 1000 lbs. per scre 10-10-10 fertilizer (23 lbs. per 1000 se.ft.) before seeding. Horrow or disc into upper three inches of soil. Seeding: For the seried Morsh 1 thru Aeri 10 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 781 Fescue. For the period Hay 1 thru July 31, seed with 60 lbs. Kentucky 31 Tell Fescue per ears and 2 lbs. per ocre (0.05 lbs. per 1070 sq.ft.) of weaping lovegrees. During the period October 16 thru (sbruary 28, protect site by one of the following
- 2 tons per sore of well-enothered mulch strow and seed as soon as possible in the spring.
- Seed with 80 lbs. per core Kentucky 31 Toll Feedule and mulch with 2 tolls per core well anchored straw. Mulching: Apply 1-1/2 to 2 tons per sore (70 to 90 lbs. per 1000 eq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring too or 218 gal. per airs (5 gal. per 1000 eq.ft.) of emulsified asphalt on flat areas. On sixpes, 5 ft. or higher, use 347 gal. per care (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance : ingrest all seeded areas and make needed repairs, replacements and recordings.

- SEDIMENT CONTROL NOTES
- 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 AND ERUSION 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, dises, perimeter selepse and all slopes greater than 3:1, b) 14 days as to other disturbed or graded areas on the project site. All sediment traps/boshs shown must be fenced and warning signs
  posted around the parimeter in accordance with Vol. 1, Chapter 12,
  of the HOWARD COUNTY DESIGN MANUAL, Storm Drokage. 5. All disturbed onese must be stobilized within the time period specified obove in eccordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (See, 51), sod (See, 54), temporary stobilization with mulch clone can only be done when recommended seeding dictar do not allow for proper germination, and establishment of grosses.
- All sediment central structures are to remain in place and are to be mointained in operative condition until permission for their removal has been obtained from the Howard County Sediment Central Inspector.
- 7. Ste Analysis ; Total Area of 97te
  Area Disturbed
  Area to be roofed or paved
  Area to be vegetatively stabilized
  Total CUI
  Total FIII
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the sems day of disturbance.
- Additional sediment centrals must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control
- Site grading will begin only ofter all perimeter sediment control measures have been installed and are in a functioning condition. Sediment will be removed from trupe when its depth reacher clean out slevation shows on the plans.
- 12. Out and fill quantities provided under also energies do not represent this quantities. These quantities do not distinguish between topical, structural fill or embanisment moterial, nor do they reflect consideration of undersetting or removal of unautitotic material. The contractor shall familiarize himself with alte conditions which may affect the work.

- 1) Straw Straw shall be unrotted small grain applied at the rate of 1 1/2 to 2 tens pre core (70 to 90 LBS/1000 SF). Much materials shall be reletively free of all kinds of weeds and shall be free of prohibited nazious weeds such os: thisties, Johnsongress and
- Spread uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1000 SF sections and place 70 to 90 LBS (two boles) of mulch in each section.
- Aspholt emulation or outbook asphalt at 600 to 1200 GALS per oors (15 to 30 GALS/1000 SF). This is suitable for a limited period of time where travel by people, animals or machines is not a problem. Synthetic soil stabilizers may be used according to manufacturer's recommendations, under suitable conditions.
- 4) Mulch mattings such as jute or enceleder blanket shall be stapled to the surface in waterways and on steep stopes. Lighter materials of paper, plastic and cotten mulch mattings may be used where shoeldn hazard is not sever. If area is to be moved, do not use metal standard.
- Wood chips at the rate of approximately 8 tance per core (275 LBS/1000 SF) may be used when available and when feasible to use. 6) Orushed rook, stenes, gravel or shale blankets. Apply et rute of 20 to 100 tons per core (900 to 4500 LBS/1000 SF) with coarsect material applied at the highest rate.
- Mulch anchoring shall be occomplished immediately after mulch placement to minimize lose by wind or water. This may be done by one of the following methods, (Mated by preference) depending upon size of area, erceton hazers, and cost. On sloping ions, practice No. 1 below, should be done on the centour wherever possible, sxospt "tracking" should be done up and down the slope with 1 1/2 inch cleet marks running ecrose the slope.
- 1) Muich Anchoring Tool and Tracking. A mulch anchoring tool is a tractor drawn implement designed to purch and anchor mulch into the surface two (2) inches of soil. This practice affords maximum should not only but is limited to flotter slopes where equipment can operate safely primarily used on flotter than 3:1 out and fill slopes to out the mulch into the soil, "Tracking" is used primarily on slopes to out the mulch into the soil, "Tracking" is used primarily on slopes the surface of the street of the soil.
- on slopes steeper than 3:1 out and fill slopes to sut the mulch into the soil with cleated tracks. Mulch Nettings. Staple lightweight biodegradable paper, plastic or action netting over the mulch according to manufacturer's
- 3) Liquid Muich Binders. Applications of liquid binder should be heavier at edges where wind catches muich, in valleys and at creats of banks. The remainder of the area should be uniform in appearance. Courtien should be used with caphait in residential and similar areas.
- a. Cutbook aspholt rapid outing (RC-70, RC-250 and RC-800) or medium outing (MC-250 or MC-800). Apply at the rate of 200 gollons per acre (5 GAL/1000 SF) on flat areas on don stopes less than 8 feet high. On stopes 8 feet or more high, apply at the rate of 348 gallons per acre (8 GALS/1000 SF).
- b. Emuletfied asphalt (SS-1, CSS-1, SMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply at the rate of 200 gallons per care (5 GAL/1000 SF) on flat areas and an stopes less than 8 feet high. On slopes 8 feet or more high, apply at the rate of 348 gallons per care (8 GALS/1000 SF).
- All asphalt designations are from the Asphalt institute Specifications. Synthetic binders such as Acrylic DLR (AGri—Tec), DCA—70, Petroset or Terra Tac may be used at rotes recommended by the manufacture to anohor mulch material.
- ) Wood Cellulose Fiber Binder. The fiber binder shall be applied at a net dry weight of 750 LBS per acre. The wood cellulose fiber shall be mixed with water, and the mixture shall contain a maximum of 50 LBS of wood cellulose fiber per 100 gallons.
- 5) Peg and Twine. Drive 8 to 10 inch woeden pege to within 2 to 3 inches of the soil surface every 4 feet in all directions. States may be driven before or after applying muich. Secure mulch to soil surface by stretching twine between pege in a orise-crose within a square pattern. Secure twine around each peg with two or more round turns.

### SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT.
- 2. INSTALL SILT FENCE, BUILD EARTH DIKES, INSTALL STABALIZED CONSTRUCTION ENTRANCE AND GRADE IN SEDIMENT TRAP #1.
- 3. BEGIN GRADING.
- 4. STABALIZE REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.
- UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABALIZE AS NEEDED AS PER THE PERMAMENT SEEDING NOTES.

AS BUILT CERTIFICATE

DATE

JAYKANT D. PAREKH #19148

### 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

)- Ell linge DEVELOPER

of more lite

11-30-93 DATE

14.3.95

DATE

12-15-12

DATE

12/30/93

-. 23.93

DATE

200

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.

ENGINEER-

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL

Fatricia Enden U.S. SOIL CONSERVATION SERVICE

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

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

COUNTY HEALTH OFFICER DATE APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND

gina Dumnanji 12/30/93 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

DIRECTOR

CHIEF, BUREAU OF ENGINEERING DATE W APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

OWNER / DEVELOPER

AREA

TITLE

ODC CROSSING, INC. C/O EARL ARMIGER THE EXECUTIVE CENTER 3300 NORTH RIDGE ROAD SUITE 230 ELLICOTT CITY, MD. 21043

ORCHARD CROSSING MASS GRADING PLAN

TAX MAP 30 PARCEL 406 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND COLUMBIA 100 OFFICE RESEARCH PARK, SECTION 1, AREA 2, PARCELS W, X Y

DETAIL SHEET

RIEMER MUEGGE & ASSOCIATES, INC. Planners Engineers Surveyors 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282

DRAWN BY: J.T.D. PROJECT NO: 91001 DATE: 8/31/93 SCALE : AS SHOWN

F-87-82 ZB:930M

DESIGNED BY : J.T.D.

F-93-111 SDP-93-121

DRAWING NO. 2 OF 2

JAYKANT D. PAREKH #19148 90P-94-25