

SE IMENT CONTROL NOTED:

I A MINIMUM OF 24 HOURS NOTICE MUST BE SIVEN TO THE HOWARD COUNTY OF ANY CONSTRUCTION (1988-2017) AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (1988-2017) .992-2437).

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVIDIONS OF THIS PEAN AND ARE TO BE IN CONFORMANCE WITH THE 1393 MAYEAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND 1393 MAYEAND STANDARDS AND SPECIFICATIONS. SEDIMENT CONTROL.

3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS TOO ALL PERIMETER SEDIMENT CONTROL STRUCTURED, DIKES, PERIMETER SLOPES ON ALL DESIGNED GREATER THAN DISTURBED. A ALL SECTMENT TRAPS/BAGING CHOWN MUST BE FENCED AND WARNING SIGNS ADDITIONAL TRAPS/BAGING CHOWN MUST BE FENCED AND WARNING SIGNS FOR AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER IC. OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE. OF THE FOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD OFFICE ABOVE IN ACCORDANCE WITH THE 1993 MARYLAND STANDARDS AND OFFICE INTIONS FOR SOIL EROSIN AND SEDIMENT CONTROL FOR PERMANENT SELDINGS (SEC. 50) AND SELDINGS (SEC. 51) SOO LOFT, 54., TEMPORARY SEEDING (SEC. 50) AND MUSCHING (SEC. 50), TEMPORARY STABILIZATION WITH MUSCH ALONE CAN ONLY BE DIVE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER OFFINAL TOWN AND RECOMMENDED SHAPPER BE DINE WHEN REIDMMENDED USED. NO DOLLD UP AD FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASCIED.

ALL DEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAIN TAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR. TOTAL AREA OF SITE AREA DISTURBED AREA TO BE ROCFED OR PAVES AREA TO BE VESETATIVELY STABILIZED OFFSITE WASTE/BORROW AREA LOCATION CULYDS.

OFFSITE WASTE/BORROW AREA LOCATION CULYDS.

3) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF

9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY
THE HOWARD COUNTY DRY SEDIMENT CONTROL INSPECTOR.
10)ON ALL SITES WITH DISTURBED AREAD IN EXCESS OF 2 AGRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SECTMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING -OR GRADING INSPECTION APPROVACE MAY NOT BE AUTHORIZED UNTIL THIS INSTEAL APPROVACE BY THE INSPECTION AGENCY IS MADE.

PERMANENT SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTRUBANCE 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. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL FEST RECOMMENDATIONS, USE ONE OF THE 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 FOLLOWING SCHEDULE. SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)

HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING. APPLY 400 LBS. PER 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.

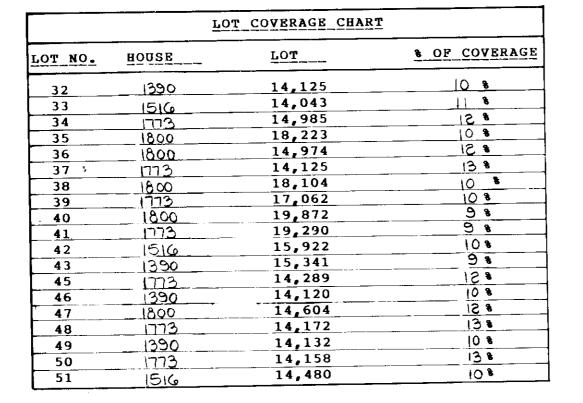
SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEEDLING: FUR THE PERIODS MARCH TORRU APRIL SU, AND AUGUST TORRU DETUBER TO.
SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE.
FOR THE PERIOD MAY 1 THRU JULY 31. SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE
PER ACRE AND 2 LES. 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 WILL ANCHORED STRAW.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OR UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEFDING. 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 HIGHTER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS

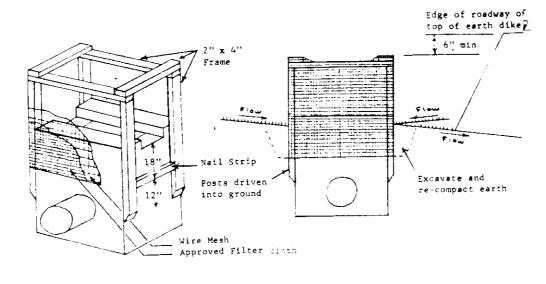
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED. SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER SEED WITH 2 1/2 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 GAL 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.



THIS PLAN SUBJECT TO WP 97-177 APPROVAL GRANTED ON MAY 22, 1992 TO WAVIE SECTION 16-147 TO REACTIVATE PLAN APPROVAL FOR SUP 90-163,



A swale, ditchline or yard inlet protection.

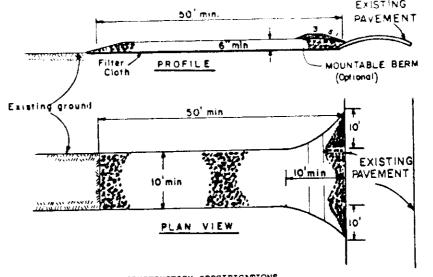
Excavate completely around inlet to a depth of 18" below notch Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble

top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 5" below edge of roadway adjacent to 3. Stretch wire mesh tightly around frame and fasten securely.

Ends must meet at post Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.

5. Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation

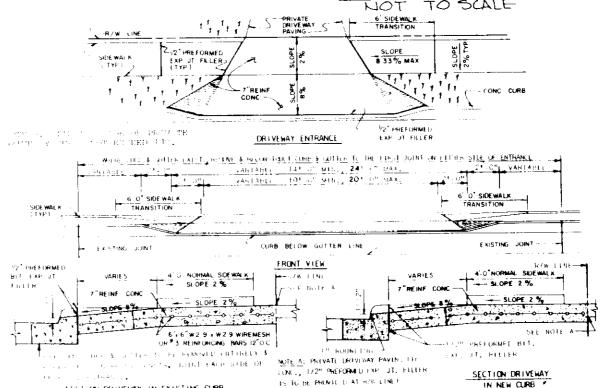
If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir). 7. This structure must be inspected frequently and the filter fabric replaced when clogged.



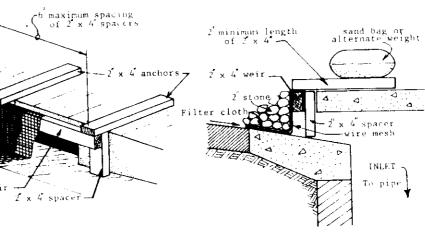
CONSTRUCTION SPECIFICATIONS

- 1. Stone Size Use 2° stone, or reclaimed or recycled concrete equivalent. . Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- 3. Thickness Not less than six (6) inches. 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- 5. Filter Cloth Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot. 6. 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 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 immediately. 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. STABILIZIED CONSTRUCTION ENTRANCE



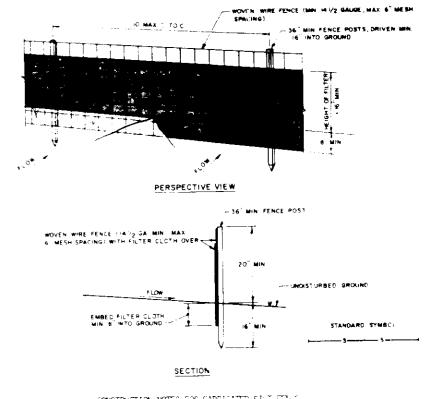
DRIVEWAY ENTRANCE NOT TO SCALE



Curb Inlet Protection.

- 1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4') to the 2" 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 2" x 4" weir.
- 3. Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6' apart).
- 4. Place the assembly against the inlet throat and nail (minimum 2' lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
- 5. The assembly shall be placed so that the end spacers are a minimum l' beyond both ends of the throat opening.
- 6. Form the wire mesh and filter cloth to the concrete gutter and against the face of 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 filter cloth.
- 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- 8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

CURB INLET PROTECTION DETAIL NOT TO SCALE

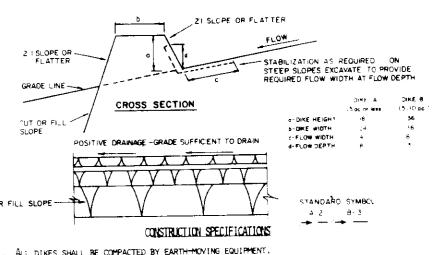


CONSTRUCTION NOTES FOR PARTICIPED SILT FEAT

3. WHEN TWO SECTIONS OF FILTER CLOTH

POSTS STEEL ELTHER TOR ... Woven wire fence to be fastened securely to fence posts with wire ties or staple». FENCE MOVES MISE, 14: SA E AA MESH OPENING 2. FILTER CLOTH TO BE FASTENED SELURELY TO WOVEN WIRE FENCE WITH TIES SPALED EVERY 24" AT TOP AND MID SECTION.

FILTES TECTH THER X,
TRAFT TWO, STABLE
LINAS TWO OR APPROVED
EDUA. ADUCIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. PREFABRICATE UNIT: GEOFAB, Encropence, or Approved Equal NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE D. TOP WIDTH MAY BE WIDER AND SIDE SLOMES MAY BE FLATTER IF DESIRED TO PACIFICATE CROSSING BY CONSTRUCTION TRAFFIC.

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

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

BLACE SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SELIVEY. BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SESSABLIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SESSABLIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SESSABLIZATION CHANNEL AS PERTHE CHART BELOW.

FLOW CHANNEL STABILIZATION

DIE E SEED AND STRAW MULCH SEED AND STRAK "Julia ,5-3,0% SEED USING JUTE 35 EXCELSION; SOD, 2 210% 3,1-5,0% SEED AND STRAW MULCH 5.1-8.0% SEED WITH JUTE, OR SOD; 2" STONE 8.1-20% LINED RIP-RAP 4-8" A. Stone to be 2 inch stone, or recycled concrete equivalent, in a LAYER AT LEAST 3 inches in thickness and be pressed into the soil with construction equipment.

B. Rip-Rap to be 4-8 inches in a layer at least 8 inches thickness and pressed into

THE SOLE.

APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT. NOT TO SCALE

OWNER AND DEVELOPER FORTY WEST BUILDERS 1007 LESLIE AVE. BALTIMORE MD. ZIZZ8 (301) 788-4955

FIFHER, COLLING & CARTER, INC.

ENGINEERING CONSULTANTS LAND SURVEYORS 9171 BALTIMORE NATIONAL PIKE, SUITE 100 CLLICOTT CITY, MARYLAND 21042

TELEPHONE: (410)461-7855

FAX: (410) 750-3784

ENGINEER'S CERTIFICATE I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SED-IMENT 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 REQUIRE-MENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DEEMED NECESSARY.

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

APPROVED TRAINING PROGRAM FOR THE CONTROL OF SED-

WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN

FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE

PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A

CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT

IMENT AND EROSION BEFORE BEGINNING THE PROJECT, I ALSO

AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL

CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TEGHNICAL REQUIREMENTS

THIS DEVELOPMENT IS APPROVED FOR FROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT APPROVED

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF THE ENVIRONMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

SECTION/AREA PROPERTY/SUBDIVISION 32-51 20 MT. HEBRON PLAT NO. | BLOCK NO. ZONE TAX/ZONE ELEC. DIST. CENSUS TR. 0318-10370 9 R-20 17 WATER CODE 455800

NOTES AND DETAILS **HEBRON** SECTION 70 PHASE TWO LOTS 32-51 TAX MAP: 17

PARCEL 37 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1' - 30' DATE MAY 31, 1771

SHEET 3 OF 3 587 5**3**

SDP 90-163