

FILTER CLOTH: FILTER X, MIRAFI 100X, STABI-LINKA 1140N OR APPROVED

ENVIROFENCE, OR APPROVED

FILTER CLOTH TO BE FASTENED SECURELY TO

WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-

WOVEN WIRE FENCE TO BE FASTENED SECURELY

TO FENCE POSTS WITH WIRE TIES OR STAPLES

LAPPED BY SIX INCHES AND FOLDED.

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

PREFABRICATED UNIT: GEOFAB,

be removed immediately.

require periodic top dressing with additional stone as conditions demand

sediment spilled, dropped, washed or tracked onto public rights-of-way must

public rights-of-way. When washing is required, it shall be done on an area

STABILIZED CONSTRUCTION ENTRANCE

TO SCALE

stabilized with stone and which drains into an approved sediment trapping

9. Periodic inspection and needed maintenance shall be provided after each rain.

and repair and/or cleanout of any measures used to trap sediment. All

8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto

SEDIMENT CONTROL NOTES . 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) 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

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. . ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL ERÓSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) AND (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF

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.

SITE ANALYSIS: TOTAL AREA OF SITE ACRES AREA DISTURBED 3.68 ACRES AREA TO BE ROOFED OR PAVED 0.83 ACRES AREA TO BE VEGETATIVELY STABILIZED 2.85 5000 CU.YDS. TOTAL CUT

5000 CU.YDS. TOTAL FILL OFFSITE WASTE/BORROW AREA LOCATION ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE 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.

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

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE 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 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, 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 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/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW. MULCHING: APPLY 11/2 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 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 FIR. GZACE SO.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS TEMPORARY SEEDING NOTES:

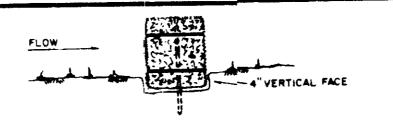
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

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 WITH 212 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 15 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.



STANDARD SYMBOL

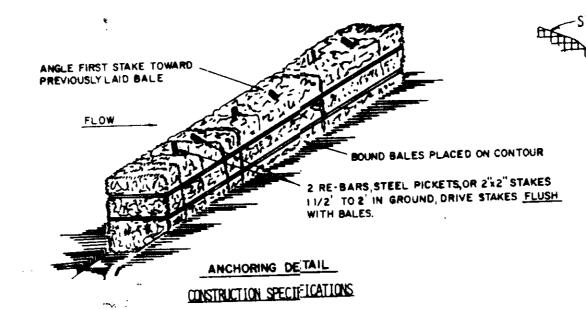
EXISTING

PAVEMENT

PAVEMENT

MOUNTABLE BERN

(Optional)



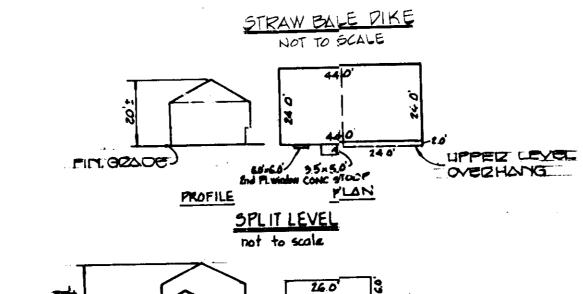
BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH

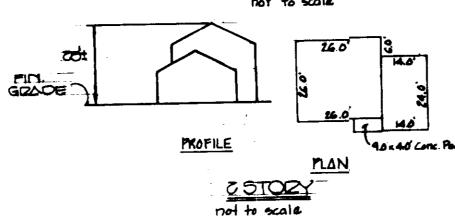
ENDS TIGHTLY ABUTTING THE ADJACENT BALES. 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.

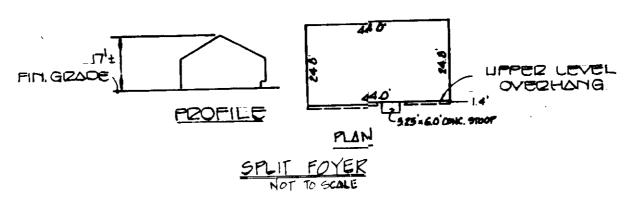
BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE, THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FIRST THE BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. DRIVEN FLUSH WITH THE BALE.

4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS

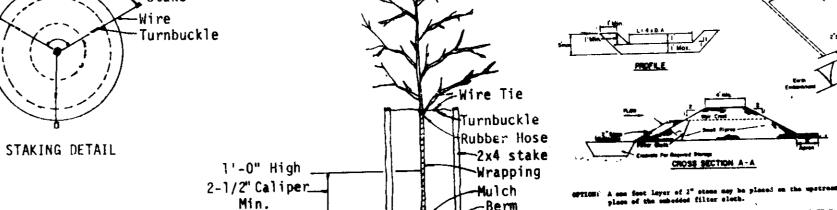
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.







NOT TO SCALE



Twice Bal

Dia.

Note: Remove Burlap from

NOT TO SCALE

GRADING FOR PLANTING

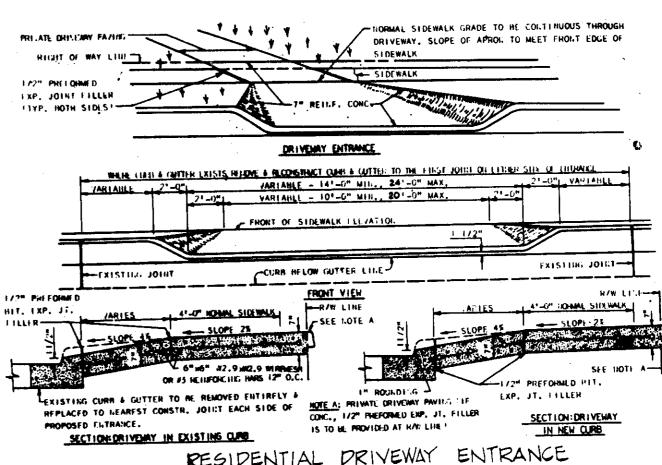
ON SLOPES

Top 1/3 of Ball

A one feet layer of 2" stone may be placed on the upstream side of the ripray in

The fill unterial for the embalment shall be free of youts and other weeky vegetati-well as over-vised stones, rushs, organic material or other objectionable material, exhaulment shall be competed by treversing with equipment while it is being constru-All out and fill slopes shall be 2:1 or flatter.

5. The stone wood in the outlet shall be small riprap 4"-6" along with a 1' thickness of 2' aggregate placed on the up-grade side on the small riprap gg ombodded filter cloth in the present.). The structure shall be imported after each rain and repairs unde as unbied



RESIDENTIAL DRIVEWAY ENTRANCE CLOSED SECTION WITH STANDARD 7" COMBINATION CURB AND GUTTER AND SIDEWALK SET BACK FROM CURB

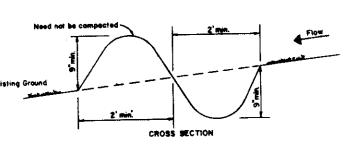
Y Y Y Y Y Y Y STANDARD SYMBOL THE TOTAL SECTION

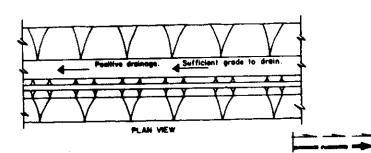
EI SLOPE OR FLAT TER

SEED AND STRAN MULCH SEED LIBING JUTE, OR EXCELSION; SOD; 2" STONE LINED RIP-RAP 4-8"

BENITWLENTS CAN BE SASSITTATED PER ANY OF THE ABOVE MATERIALS.

NEPECTION AND REGURED MAINTENANCE MART SE PROVIDED AFTER EACH RAIN EVEN NOT TO SCALE





CONSTRUCTION SPECIFICATIONS 1. ALL PERIMETER DINE/SWILE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.

?. DIVERTED BLACOFF FROM A DISTRIBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DIVERTED RUNGEF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-BROSSON VELOCITY.

4. THE SMALE SHALL HE EXCAMATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD. STABILIZATION OF THE AMEA DISTURBED BY THE DIRE AND SHALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH, AND SHALL BE DONE MITHIN 10 DAYS. 5. PERIODIC IMPRECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH MAIN EVENT.

Max. Drainage Area Limit: 2 Acres PERIMETER DIKE/SWALE

NOT TO SCALE

STANDARD SYMBOL -Construction Specifications

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

Wire mesh must be of sufficient strength to support filter fabric Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, EOS, 40-85, to allow sufficient passage of water and removal of sediment.

4. Stone is to be 2" in size and clean, since fires would clog the Curb Inlet Protection

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.

Securely nail the 2" \times 4" wair to 9" long vertical spacers to be located between the weir and inlet face (max. 6' spart). 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 The assembly shall be placed so that the end spacers are a minimum I' beyond both ends of the throat opening.

against the face of curb on both sides of the inlet. Place lean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or This type of protection must be inspected frequently and the

filter cloth and stone replaced when clogged with sediment. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

NLET PROTECTION NOT TO SCALE

OWNER AND DEVELOPER HILLRIDGE DEVELOPMENT COMPANY

4206 SOUTHFIELD ROAD

ELLICOTT CITY, MARYLAND 21043

RIDGE SECTION 3

LOTS 1-6, 8-19, 21-26 PLO PARCEL 179

6th ELECTION DISTRICT HOWARD COUNTY MARYLAND SHEET ZOF 3

REVISED MARCH 3, 1984 JANUARY 34 1980

NOTES AND DETAILS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERS & LAND SURVEYORS 8388 COURT AVENUE

ELLICOTT CITY, MARYLAND 21043

(301)461-2855

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.

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SED-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 DEEMED NECESSARY.

DEVELOPER'S CERTIFICATE

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

DISTRICT AND MEETS TECHNICAL REQUIREMENTS

REVIEWED FOR HOWARD SOIL CONSERVATION

HOWARD SOIL CONSERVATION DISTRICT

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

APPROVED: OFFICE OF PLANNING AND ZONING

AND ZONING ADMINISTRATION

DIRECTOR, PUBLIC WORKS CHIEF, BUREAU OF ENGINEERING SUBDIVISION 1-6, 8-19, 21-26 NORTH RIDGE BLOCK NO. ZONE TAX/ZONE ELEC. DIST. CENSUS TR. 6063 6604 SEWER CODE 7100800

APPROVED: DEPARTMENT OF PUBLIC WORKS.

SYSTEMS AND ROADS.

SCALE 1:30

SDP- 86-153

