

LOT NO	STREET ADDRESS
13	4374 TILLER DRIVE
14	4383 TILLER DRIVE
16	4391 TILLER DRIVE
26	4370 TILLER DRIVE
27	4366 TILLER DRIVE
28	4362 TILLER DRIVE
29	4358 TILLER DRIVE
30	4354 TILLER DRIVE
31	4350 TILLER DRIVE

HOWARD COUNTY, MARYLAND
 7-22-86
[Signature]

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 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.

[Signature]
 SIGNATURE OF ENGINEER
 DATE: 6/23/86

DEVELOPER'S CERTIFICATE
 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 SEDIMENT 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.

[Signature]
 SIGNATURE OF DEVELOPER
 DATE: 6-23-86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

[Signature] 7-17-86
 U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED:
[Signature] 7-17-86
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: OFFICE OF PLANNING AND ZONING

[Signature] 10-21-86
 PLANNING DIRECTOR DATE

[Signature] 10-21-86
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

[Signature] 10-20-86
 HEALTH OFFICER DATE

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

[Signature] 10-16-86
 DIRECTOR, PUBLIC WORKS DATE

[Signature] 10-15-86
 CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION	SECTION	LOT NO.
MT. HEBRON	17	13, 14, 16 & 26-31
PLAT NO.	BLOCK NO.	ZONE
650B	10	R-20
TAX/ZONE	ELEC. DIST.	CENSUS TR.
17	2ND	6021
WATER CODE	SEWER CODE	
4-3	1455000	

SITE DEVELOPMENT PLAN

MT. HEBRON SECTION 17
 LOT 13, 14, 16 AND 26-31

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TAX MAP 17 PARCELS # 250 AND P/O 31 & 395
 SCALE: 1" = 30' SHEET 1 OF 3 JUNE 19, 1986
 REVISED: SEPTEMBER 6, 1986
 SDF 86 276

- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT.
 2. EXCAVATE SEDIMENT TRAP NO. 1 TO REQUIRED DIMENSIONS AS SHOWN ON PLAN. USE EXCAVATED MATERIAL TO CONSTRUCT EARTH DIKE (A-2 SPECIFICATIONS), COMPACT DIKE AND STABILIZE WITH TEMPORARY SEEDING MIXTURE AND STRAW MULCH.
 3. CONSTRUCT STONE CONSTRUCTION ENTRANCE FOR LOTS.
 4. INSTALL STRAW BALE DIKE OR SILT FENCE ON LOTS.
 5. CLEAR AND GRUB HOUSE SITES TO SUBGRADE.
 6. EXCAVATE FOR FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION.
 7. SEDIMENT SHALL BE REMOVED FROM THE STONE OUTLET SEDIMENT TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 8. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
 9. THE SEDIMENT TRAP SHALL BE Dewatered BY PUMPING. THE SEDIMENT FROM THE TRAP SHALL BE PLACED UP-GRADE FROM THE SEDIMENT TRAP IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAP.
 10. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 11. FINE GRADE LOTS AND STABILIZE. INSTALL DRIVEWAYS AND SIDEWALKS.
 12. REMOVE STRAW BALE DIKE OR SILT FENCE AND STABILIZE.
 13. STABILIZE ALL REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.
 14. AFTER PERMISSION HAS BEEN GIVEN BY SEDIMENT CONTROL INSPECTOR, BACKFILL SEDIMENT TRAP AND STABILIZE REMAINING DISTURBED AREA WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.
- NOTE: SEQUENCE MAY BE ADJUSTED DUE TO INCLIMATE WEATHER.

LANDSCAPE LEGEND:

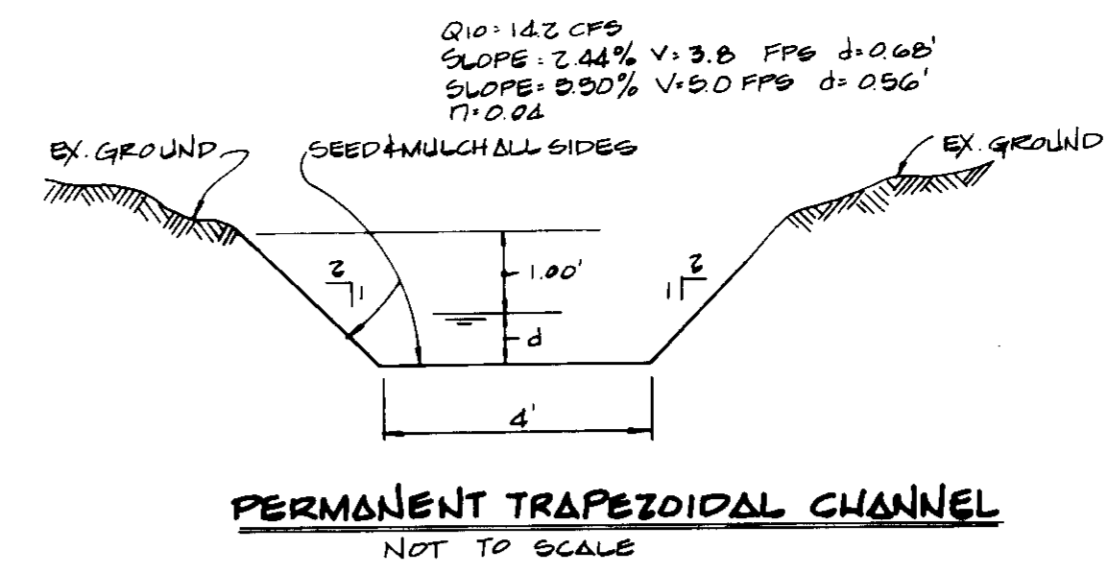
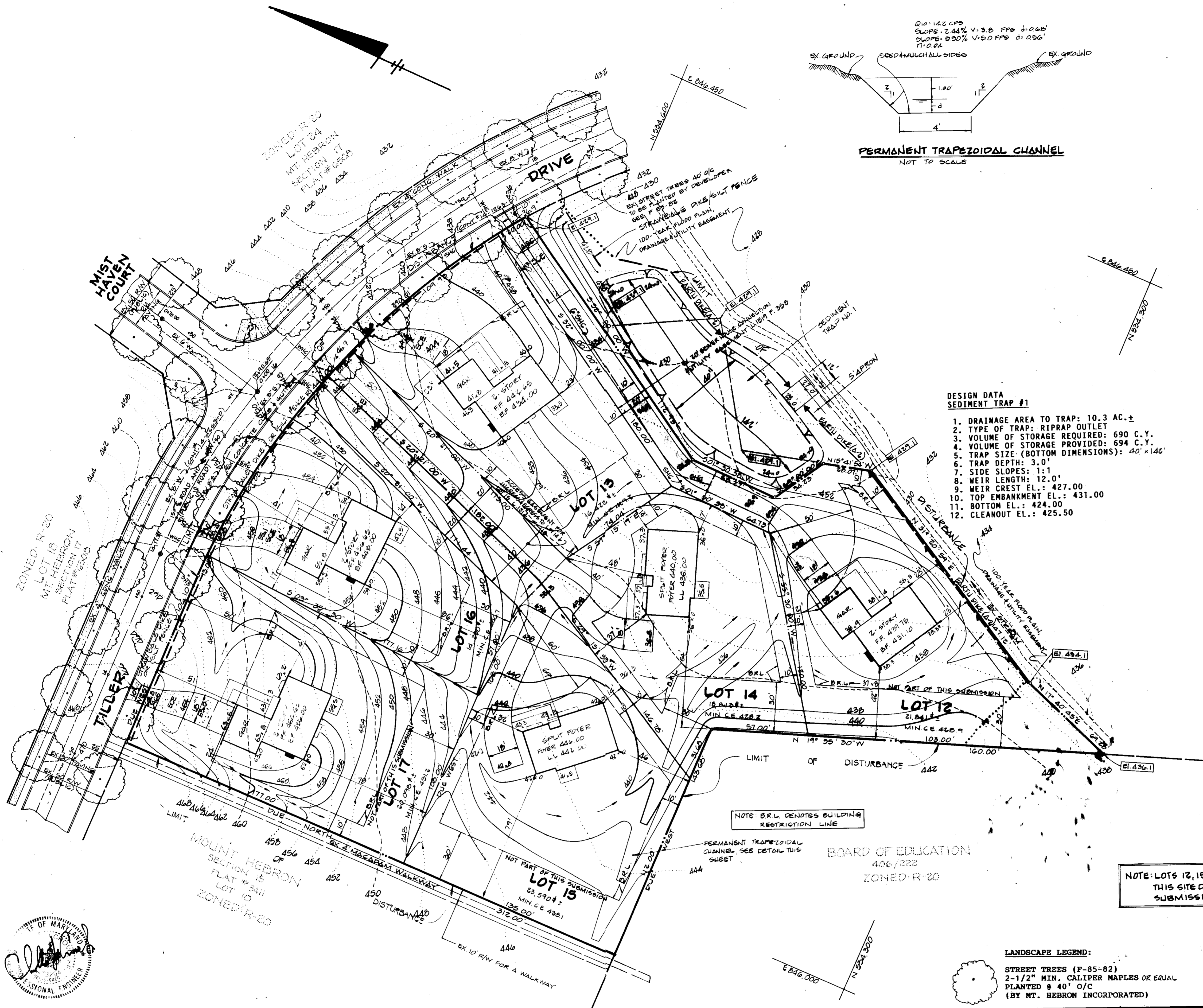
STREET TREES (F-85-82)
 2-1/2" MIN. CALIPER MAPLES OR EQUAL
 PLANTED @ 40' O/C
 (BY MT. HEBRON INCORPORATED)

SITE ANALYSIS:

1. TOTAL NUMBER OF LOTS: 9
2. TOTAL AREA OF LOTS: 3.23 AC.±
3. TOTAL AREA TO BE DISTURBED: 2.72 AC.±
4. TOTAL IMPERVIOUS AREA: 0.70 AC.±
5. TOTAL AREA TO BE REVEGETATED: 2.02 AC.±

- GENERAL NOTES:**
1. SUBJECT PROPERTY IS LOCATED ON TAX MAP 17 PARCELS 250 AND PART OF PARCELS 37 AND 395.
 2. PLAT REFERENCE: 650B
 3. PRESENT ZONING IS: R-20
 4. MINIMUM SETBACKS: FRONT: 40'
 REAR: 30'
 SIDE: 30' CORNER LOT
 5. TYPICAL HOUSE DIMENSIONS, SCHEMATIC PROFILE, DETAILS, SEDIMENT CONTROL NOTES AND SPECIFICATIONS CAN BE FOUND ON SHEET 3 OF 3.
 6. SITE ANALYSIS: A. TOTAL NUMBER OF LOTS: 9
 B. TOTAL AREA OF LOTS: 3.23 AC.±
 7. STREET TREES WILL BE PROVIDED UNDER F-85-82 BY THE DEVELOPER - MT. HEBRON INCORPORATED.
 8. STORM WATER MANAGEMENT IS PROVIDED UNDER F-85-82.
 9. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK @ 792-7272.

OWNER AND DEVELOPER
 FORTY WEST BUILDERS, INC.
 ATTN: STEVE COSTELLO
 CATONSVILLE AVENUE
 CATONSVILLE, MARYLAND 21028
 (301) 780-4155

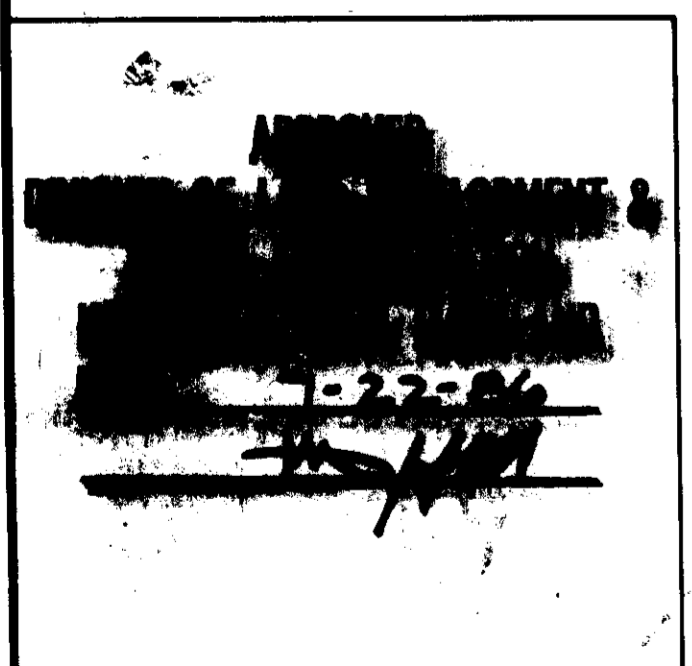


- DESIGN DATA
SEDIMENT TRAP #1**
1. DRAINAGE AREA TO TRAP: 10.3 AC. ±
 2. TYPE OF TRAP: RIPRAP OUTLET
 3. VOLUME OF STORAGE REQUIRED: 690 C.Y.
 4. VOLUME OF STORAGE PROVIDED: 694 C.Y.
 5. TRAP SIZE (BOTTOM DIMENSIONS): 40' x 140'
 6. TRAP DEPTH: 3.0'
 7. SIDE SLOPES: 1:1
 8. WEIR LENGTH: 12.0'
 9. WEIR CREST EL.: 427.00
 10. TOP EMBANKMENT EL.: 431.00
 11. BOTTOM EL.: 424.00
 12. CLEANOUT EL.: 425.50

NOTE: LOTS 12, 15 & 17 ARE NOT PART OF THIS SITE DEVELOPMENT PLAN SUBMISSION.

LANDSCAPE LEGEND:
STREET TREES (F-85-82)
2-1/2" MIN. CALIPER MAPLES OR EQUAL
PLANTED @ 40' O/C
(BY MT. HEBRON INCORPORATED)

OWNER AND DEVELOPER
FORTY WEST BUILDERS, INC.
ATTN: STEVE COSTELLO
1007 LESLIE AVENUE
CATONSVILLE, MARYLAND 21228
(301) 788-0125



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 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.

Signature: *Clifford Carter*
DATE: 6/23/86

DEVELOPER'S CERTIFICATE
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 SEDIMENT 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.

Signature: *John W. Hebron*
DATE: 6-23-86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Signature: *John W. Hebron* 9-11-86
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
Signature: *Stephen J. ...* 7/17/86
DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: OFFICE OF PLANNING AND ZONING
Signature: *Arthur Amund ...* 10-11-86
PLANNING DIRECTOR DATE

Signature: *John W. Hebron* 10-21-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
Signature: *Joseph ...* 7-21-86
HEALTH OFFICER DATE

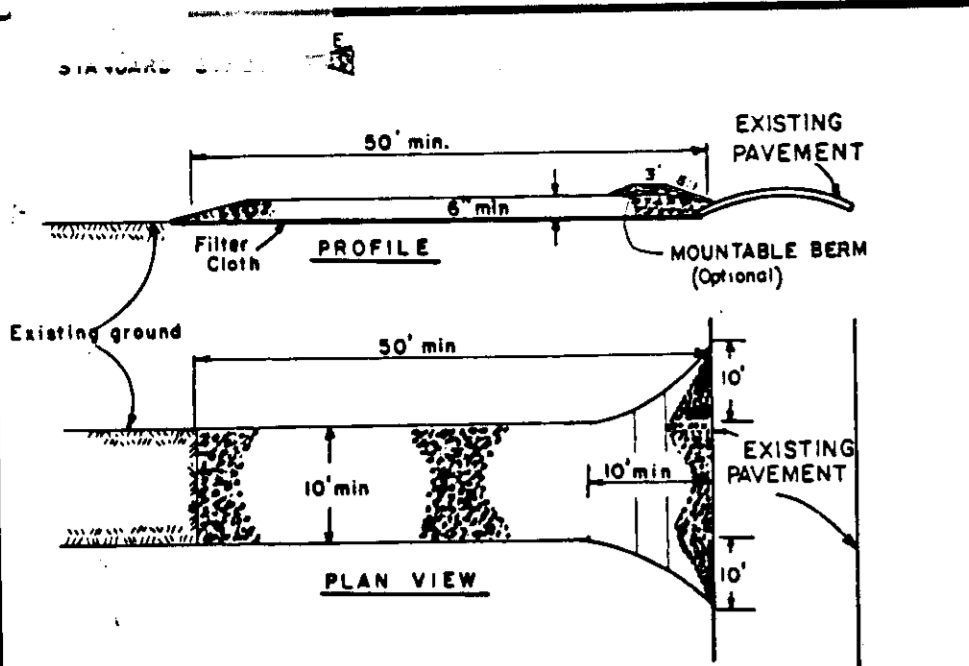
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
Signature: *James ...* 10-18-86
DIRECTOR PUBLIC WORKS DATE

Signature: *James ...* 10-18-86
CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION	SECTION	LOT NO.
MT. HEBRON	17	13, 14, 16 & 26-31
PLAT NO.	BLOCK NO.	ZONE
6503	10	R-20
WATER CODE	TAX/ZONE	ELEC. DIST.
1-3	17	2ND
SEWER CODE	CENSUS TR.	
1455800	6031	

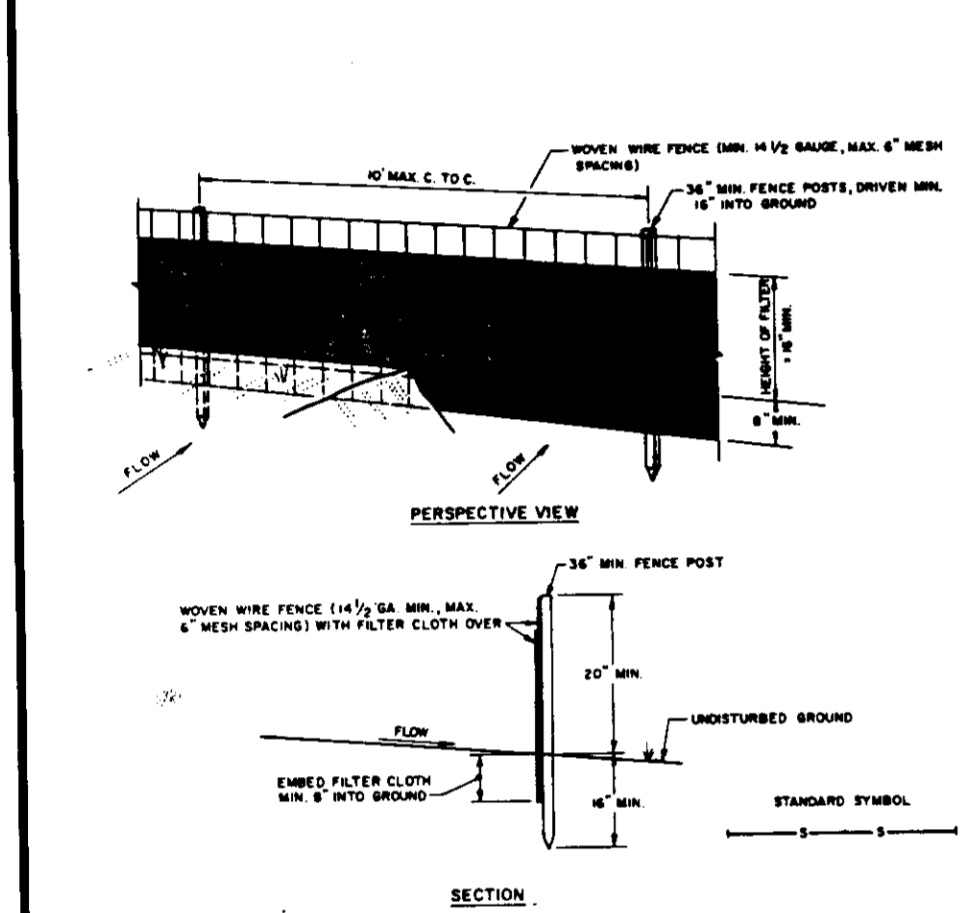
SITE DEVELOPMENT PLAN
MT. HEBRON
SECTION 17
LOT 13, 14, 16 AND 26-31

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP 17 PARCELS # 250 AND # 314-395
SCALE: 1" = 30' SHEET 2 OF 3 JUNE 19, 1986
REVISED: SEPTEMBER 5, 1986
S.D.P.-86-276



- CONSTRUCTION SPECIFICATIONS**
- 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).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placement of stone. Filter will not be required on a single family residence lot.
 - Surface Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a mounable beam with 8:1 slopes will be provided.
 - 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 bag dressing with additional stone as conditions demand and repair and/or cleaning of any measure used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - 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 established with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

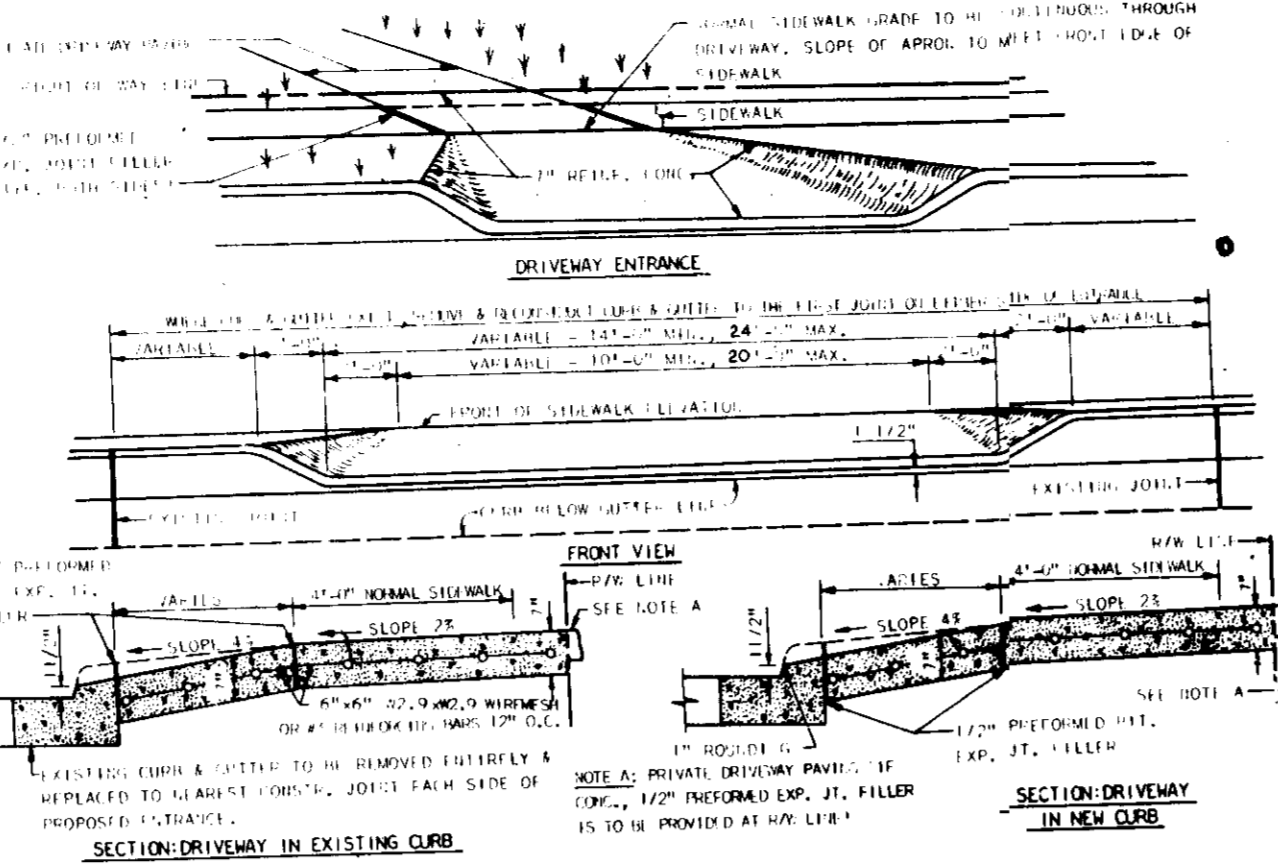


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- When wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
 - Maintenance shall be performed as needed and material removed when bales develop in the silt fence.
- POSTS:** STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE 1/4 GA. 6' MAX. PESH OPENING
FILTER CLOTH: FILTER CLOTH MANUFACTURED, STABLE, LIGNA LIGNON OR APPROVED EQUAL
- PREFABRICATED UNIT:** GEOTEX, DURABLE, OR APPROVED EQUAL.

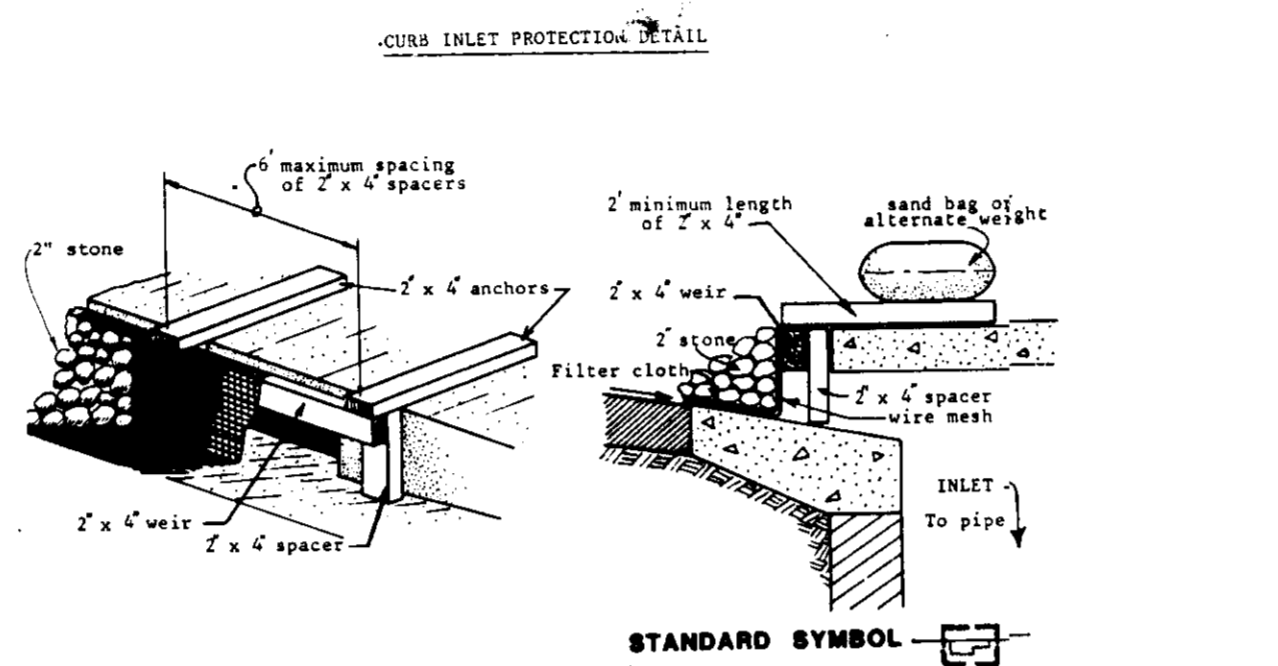
SILT FENCE
NOT TO SCALE

- SEDIMENT CONTROL NOTES:**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS 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 SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 19, 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 EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (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 GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:
TOTAL AREA OF SITE: 323 ACRES
AREA TO BE ROOFED OR PAVED: 2.75 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 2.02 ACRES
TOTAL CUT: 0.73 CU. YDS.
TOTAL FILL: 0.00 CU. YDS.
 - OFF-SITE WASTE/BORROW AREA LOCATION: 323 ACRES
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING/ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPM SEDIMENT CONTROL INSPECTOR.

- PERMANENT SEEDING NOTES:**
- APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING 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:
- 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.).
 - 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 PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 27 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 30 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (1.05 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 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNWROTTEN 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.
- TEMPORARY SEEDING NOTES:**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING 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.) BEFORE SEEDING.
- SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 27 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 (1.07 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 UNWROTTEN 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.

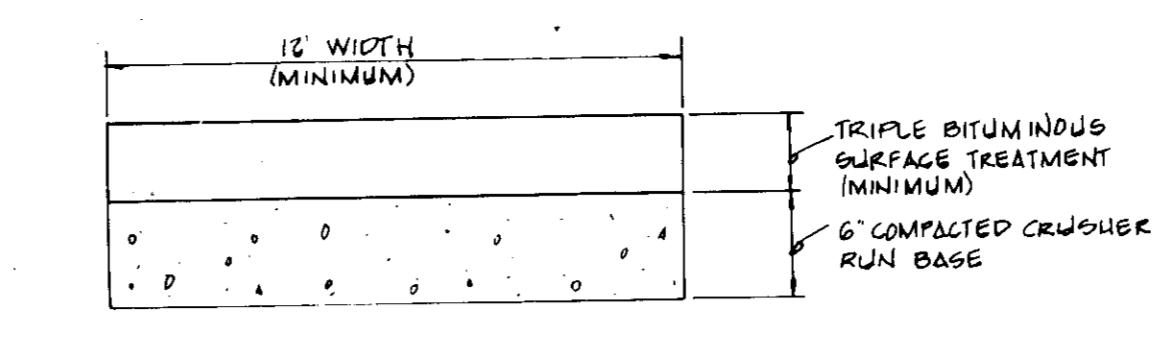


TYPICAL DRIVEWAY ENTRANCE
NOT TO SCALE

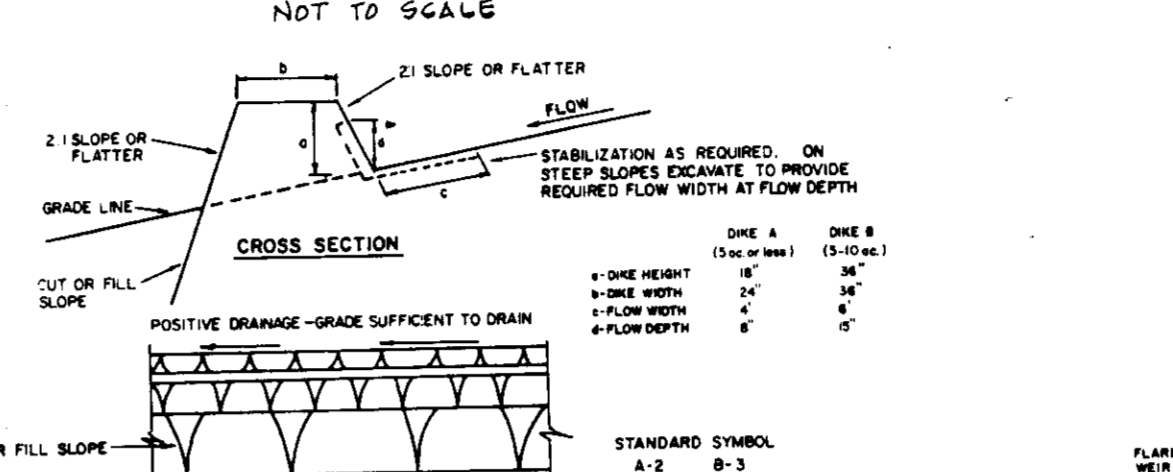


- Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
- Place a piece of approved filter cloth (40-85 size) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
- Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6' apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" anchors) 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 snags or alternate weirs.
- The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
- 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.
- 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.

INLET PROTECTION
NOT TO SCALE

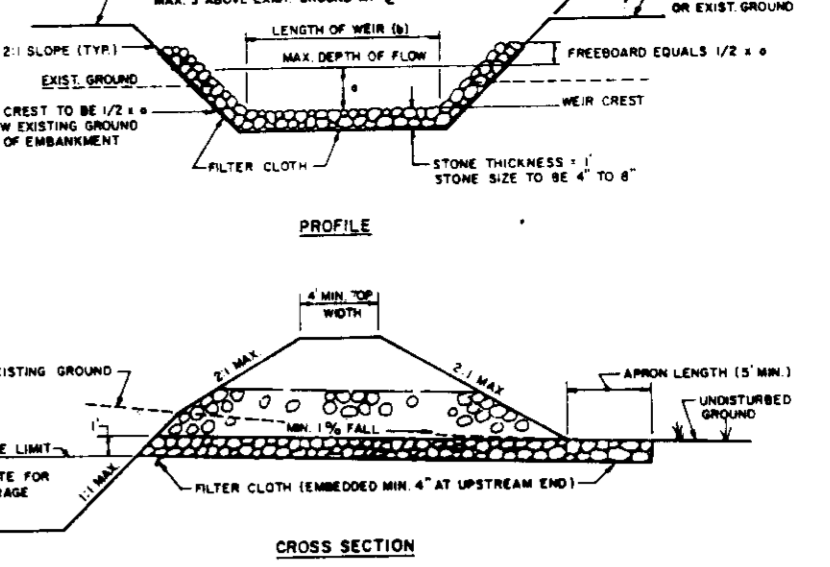


TYPICAL SECTION FOR COMMON DRIVEWAY FOR LOTS 14 & 15
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
- ALL DICES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
 - ALL DICES SHALL HAVE POSITIVE DRAINAGE TO OUTLET.
 - TOP WIDTH MAY BE WIDER 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.
 - EMPTY EARTH DICES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. EMPTY BASIN WHEN EITHER THE DICE CHANNEL OR THE DRAINAGE AREA ABOVE THE DICE ARE NOT POSITIVELY 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.
- | TYPE OF TRAFFIC | CHANNEL SIZE | DICE A | DICE B |
|-----------------|--------------|----------------------------------|--|
| 1 | 5-3.0E | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0E | SEED AND STRAW MULCH | SEED USING LIME, OR EXCELSTOR; SOD; 2" STONE |
| 3 | 5.1-8.0E | SEED WITH LIME, OR SOD; 2" STONE | LINED RIP-RAP 4-8" |
| 4 | 8.1-20E | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |
- 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 THICK AND PRESSED INTO THE SOIL.
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE MATERIALS.
D. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE
NOT TO SCALE



RIP-RAP SEDIMENT TRAP
NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS FOR RT-VI**
- The area under embankment shall be cleared, grubbed 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 or 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. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
 - All fill slopes shall be 2:1 or flatter; out slopes 1:1 or flatter.
 - Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
 - Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
 - Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
 - Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). Provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
 - 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. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 - The structure shall be inspected after each rain and repaired as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 - Drainage area for this practice is limited to 15 acres or less.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-22-86
[Signature]

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE

I HEREBY 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 COUNTY, MARYLAND, CONSERVATION DISTRICT.

[Signature]
DATE 7/22/86

DEVELOPER'S CERTIFICATE

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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

[Signature]
DATE 7/22/86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] DATE 10-21-86
PLANNING DIRECTOR

U.S. SOIL CONSERVATION SERVICE DATE 10-21-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
[Signature] DATE 10-20-86
HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
[Signature] DATE 10-16-86
DIRECTOR, PUBLIC WORKS

[Signature] DATE 10-21-86
CHIEF, BUREAU OF ENGINEERING

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
650B	10	R-20	17	2-ND	902E

WATER CODE H-3 SEWER CODE 145800

NOTES AND DETAILS

MT. HEBRON SECTION 17
LOT 13, 14, AND 26-31

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP 17 PARCELS # 250 AND 1/0 314 395
SCALE: 1" = 20' SHEET 30F3 JUNE 19, 1986
REVISED: SEPTEMBER 9, 1986
SDP-86-276

OWNER AND DEVELOPER
PORTY WEST BUILDERS, INC.
ATTN: STEVE COSTELLO
1007 LESLIE AVENUE
CATONSVILLE, MARYLAND 21228
(301) 782-4955