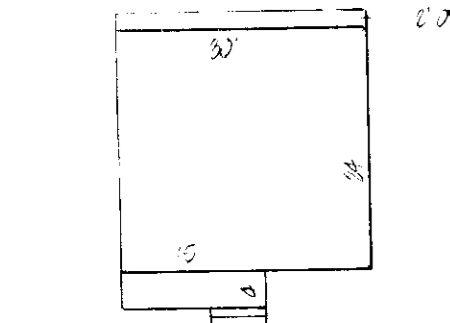
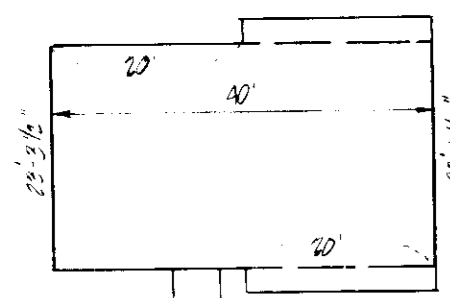


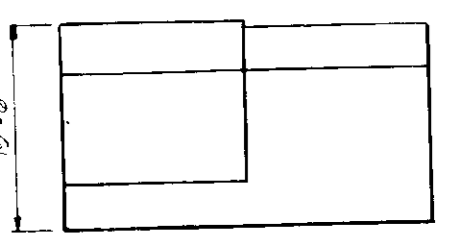
MODEL A - SPLIT FOYER
SCALE: 1"=20'



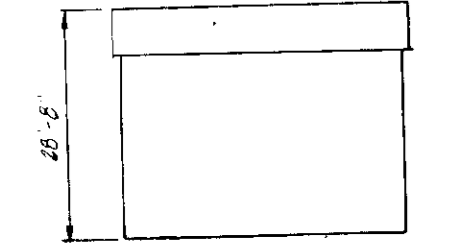
MODEL B - TWO STORY
SCALE: 1"=20'



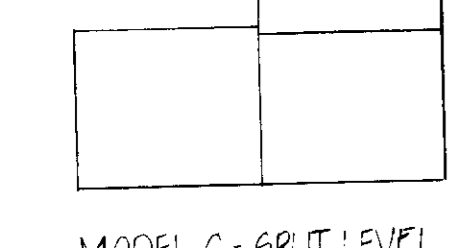
MODEL C - SPLIT LEVEL
SCALE: 1"=20'



MODEL A - SPLIT FOYER
NOT TO SCALE



MODEL B - TWO STORY
NOT TO SCALE



MODEL C - SPLIT LEVEL
NOT TO SCALE

TYPICAL OPTIONAL GARAGE LOCATION
NOT TO SCALE

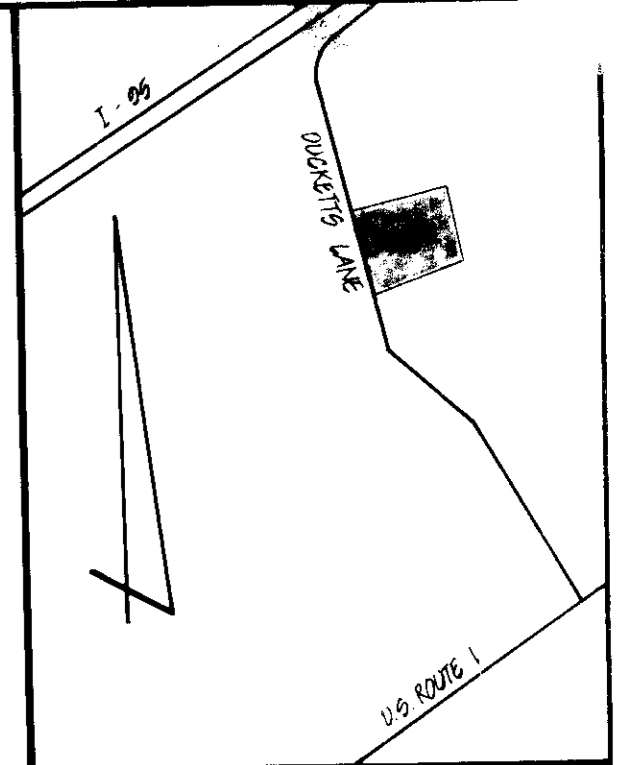
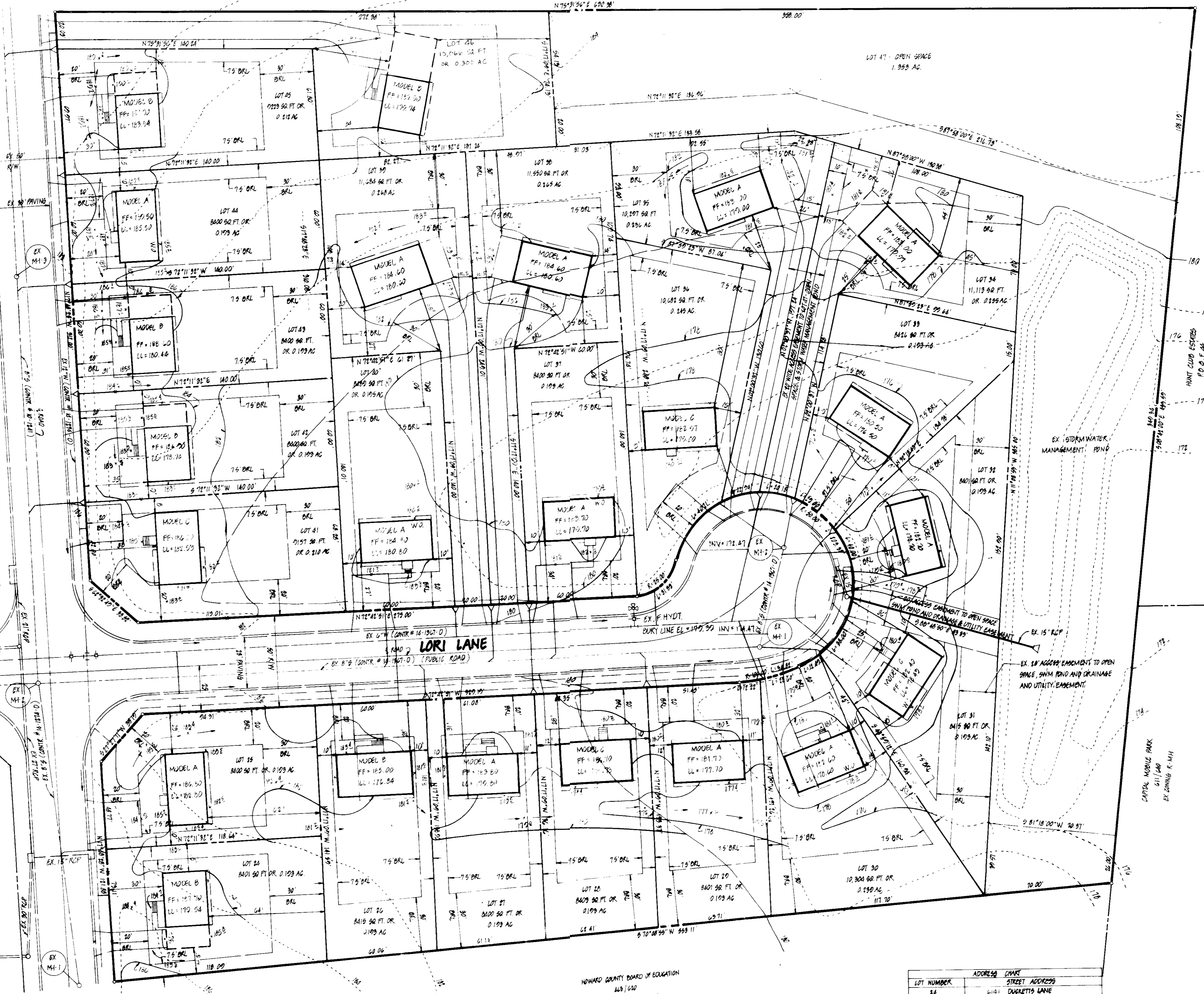
PARCEL A - OPEN SPACE
GLEN GORE ESTATES - SECT. ONE
PLAT 6122
EX ZONING R-12

EX DWELLING
LOT 25 - GLEN GORE
ESTATES - PLAT 6122

KYLE LEAF

COURT
(PUBLIC ROAD)

LANE



VICINITY MAP
SCALE: 1"=1200'

GENERAL NOTES

- TAX MAP 97 - PARCEL 448
- DEED REFERENCE 1878/031
- EX ZONING R-12
- PROPOSED SITE USE - SINGLE FAMILY DETACHED DWELLING UNITS
- AREA OF SITE - 0.289 AC
- PUBLIC WATER AND PUBLIC SEWERAGE ARE TO BE UTILIZED
- ALL DRIVE DRIVEWAYS AND PARKING AREAS ARE PRIVATE
- ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS
- CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK
- CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-9100 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK @ 100-7272
- STORM WATER MANAGEMENT WAS PROVIDED UNDER F-85-149.

SITE ANALYSIS

- AREA OF PARCEL - 1.955 AC OR 201,977 SQ. FT.
- EXISTING ZONING R-12
- TOTAL NO. OF LOTS - 24 (INCLUDING 1 OPEN SPACE)
- TOTAL NO. OF DWELLING UNITS ALLOWED - 24 (TOTAL NO. OF DWELLING UNITS PROVIDED - 23)
- PARKING TABULATIONS
REQUIRED 16 SPACES PER DWELLING UNIT 23 DU X 2 = 46 SPACES
PROVIDED 46 SPACES
- OPEN SPACE TO REMAIN ON SITE - 1.955 AC OR 195,570

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE: 8-14-86

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

SOIL CONSERVATION DISTRICT DATE: 8-14-86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. DATE: 8-20-86

HOWARD COUNTY OFFICE OF PLANNING AND ZONING. DATE: 8-21-86

PLANNING DIRECTOR DATE: 8-21-86

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DATE: 7-30-86

DIRECTOR DATE: 8-28-86

CHIEF, BUREAU OF ENGINEERING DATE: 8-28-86

DEVELOPER'S CERTIFICATE

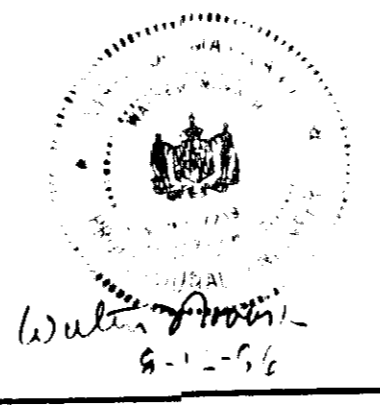
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DEVELOPER: *Alpha A. Bender, Inc.* DATE: *8/21/86*

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *Walter F. Wood* DATE: *8-28-86*



SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
GLEN GORE ESTATES	SECT 2	LOTS 24-47
PLAT # OR L.P. BLOCK #	ZONE	TAX/ZONE MAP
4740	R-12	97
WATER CODE	SEWER CODE	
A 04	212700	

LOT NUMBER	ADDRESS	CHART
24	6141	DUCKETTS LANE
25	6139	DUCKETTS LANE
26	6137	LORI LANE
27	6135	LORI LANE
28	6133	LORI LANE
29	6131	LORI LANE
30	6129	LORI LANE
31	6127	LORI LANE
32	6125	LORI LANE
33	6123	LORI LANE
34	6121	LORI LANE
35	6119	LORI LANE
36	6117	LORI LANE
37	6115	LORI LANE
38	6113	LORI LANE
39	6111	LORI LANE
40	6109	LORI LANE
41	6107	DUCKETTS LANE
42	6105	DUCKETTS LANE
43	6103	DUCKETTS LANE
44	6101	DUCKETTS LANE
45	6099	DUCKETTS LANE
46	6097	DUCKETTS LANE

TITLE: SITE DEVELOPMENT PLAN

PROJECT: LOTS 24-47 GLEN GORE ESTATES - SECT. TWO

LOCATION: PARCEL 448 BLOCK 12 PLAT 6122 TAX MAP 97 HOWARD CO. MD.

SCALE: 1"=30'

DESIGNED BY: J.B.

DRAWN BY: D.P.

CHECKED BY: W.N.

DATE: APRIL 1986

FIELD BOOK: 1-DF3

PAGE NO.: 2

JOB NO.: 2127

DRAWING NO.: 1-DF3

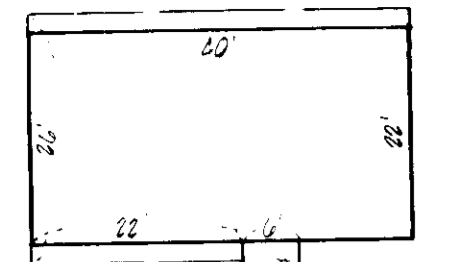
OWNER & DEVELOPER

DUCKETT LANE ASSOCIATES, INC.
P.O. BOX 39
COLUMBIA, MARYLAND 21046

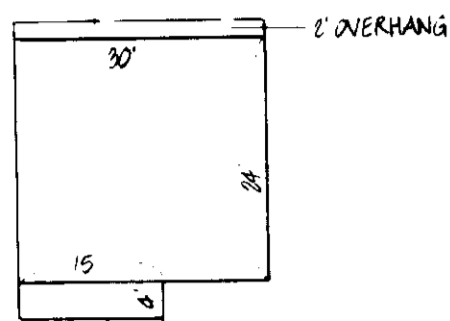
boender associates, inc.
consulting engineers
land surveyors
land planners

COURTHOUSE SQUARE
3585 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
301.466.77.7

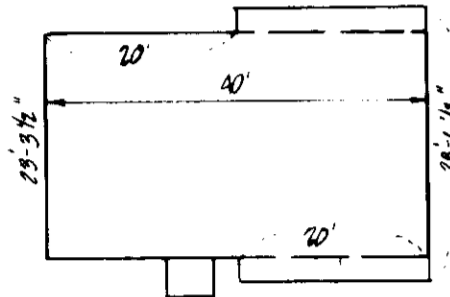
SDP-86-257



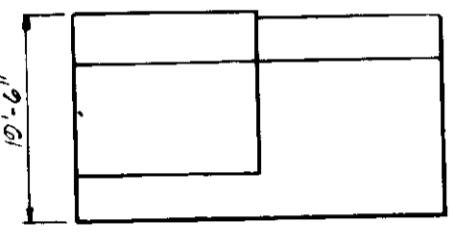
MODEL A - SPLIT FOYER
SCALE: 1/4"



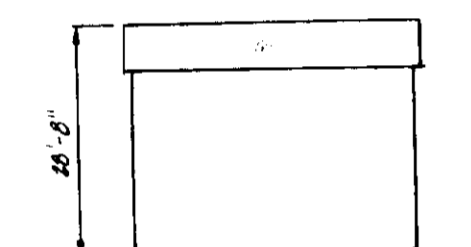
MODEL B - TWO STORY
SCALE: 1/4"



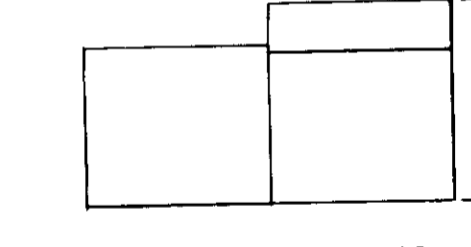
MODEL C - SPLIT LEVEL
SCALE: 1/4"



MODEL A - SPLIT FOYER
NOT TO SCALE



MODEL B - TWO STORY
NOT TO SCALE



MODEL C - SPLIT LEVEL
NOT TO SCALE

TYPICAL OPTIONAL GARAGE LOCATION
NOT TO SCALE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE 8-17-86

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

SOIL CONSERVATION DISTRICT DATE 8-20-86

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

COUNTY HEALTH OFFICER DATE 8-20-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR DATE 8-21-86

CHEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR DATE 8-18-86

CHIEF, BUREAU OF ENGINEERING DATE 8-28-86

APPROVED:
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-30-86

DEVELOPER'S CERTIFICATE
I 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 PERMITS ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

DEVELOPER: *Water Street* DATE: *8-28-86*

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *Water Street* DATE: *8-28-86*



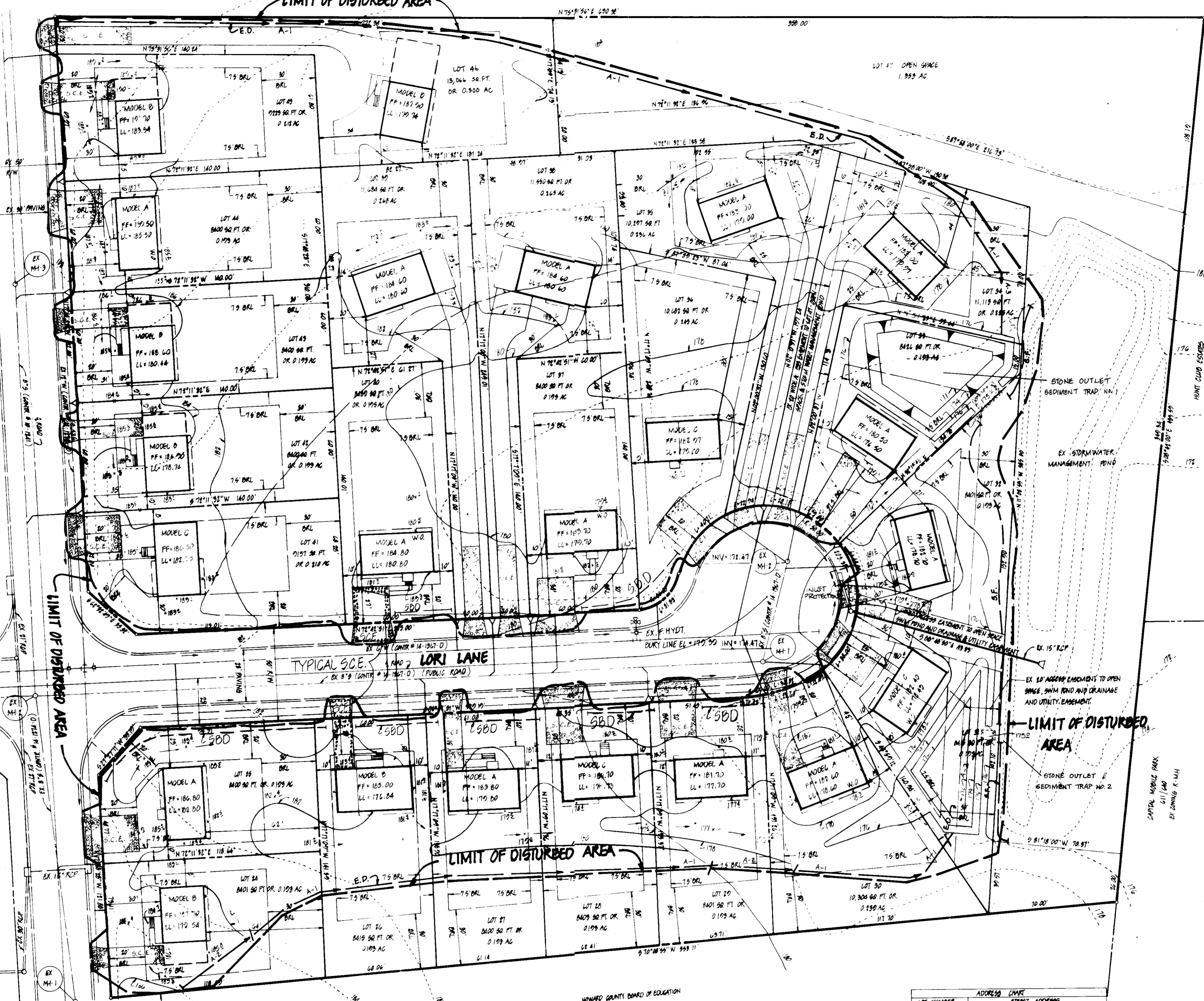
SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
PLAN 1 OR L.P. ALLEYS	1	10127
WATER CODE	A 08	
SEWER CODE	122100	

LOT NUMBER	STREET ADDRESS	LOT ADDRESS
24	4141 DUCKETTS LANE	
25	4157 DUCKETTS LANE	
26	4104 LORI LANE	
27	4108 LORI LANE	
28	4112 LORI LANE	
29	4116 LORI LANE	
30	4120 LORI LANE	
31	4124 LORI LANE	
32	4128 LORI LANE	
33	4132 LORI LANE	
34	4136 LORI LANE	
35	4140 LORI LANE	
36	4144 LORI LANE	
37	4148 LORI LANE	
38	4152 LORI LANE	
39	4156 LORI LANE	
40	4160 LORI LANE	
41	4164 DUCKETTS LANE	
42	4168 DUCKETTS LANE	
43	4172 DUCKETTS LANE	
44	4176 DUCKETTS LANE	
45	4180 DUCKETTS LANE	
46	4184 DUCKETTS LANE	

TITLE: **SEDIMENT CONTROL PLAN**
PROJECT: **LOTS 24-41 GLEN COVE ESTATES - SECT. TWO**
LOCATION: **PARCEL 448, BLOCK 12, PLAT 197, ELECTION DISTRICT 197, HOWARD CO., MD.**
SCALE: 1/4" = 1'-0"
DESIGNED BY: *DP*
DRAWN BY: *DP*
CHECKED BY: *DP*
DATE: *APRIL 1986*
FIELD BOOK: *DP* PAGE NO: *DP* JOB NO: *DP* DRAWING NO: *DP*

boender & associates
inc.
consulting engineers
land surveyors
land planners
COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
(301) 485-7777

SDP-86-257



VICINITY MAP
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- TAX MAP 37 PARCEL 448
- DEED REFERENCE 1178/691
- EX ZONING R-12
- PROPOSED SITE USE: SINGLE-FAMILY DETACHED DWELLING UNITS
- AREA OF SITE: 6.920 AC
- PUBLIC WATER AND PUBLIC SEWERAGE ARE TO BE UTILIZED
- ALL DRIVE DRIVEWAYS AND PARKING AREAS ARE PRIVATE
- ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS
- CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK
- CONTRACTOR TO NOTIFY W&P UTILITY AT 1-800-4100 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK @ 701-7272

SITE ANALYSIS

- AREA OF PARCEL: 6.920 AC OR 301,871 SQ FT
- EXISTING ZONING: R-12
- TOTAL NO OF LOTS: 24 (INCLUDING 1 OPEN SPACE)
- TOTAL NO OF DWELLING UNITS ALLOWED: 24, TOTAL NO OF DWELLING UNITS PROVIDED: 23
- PARKING TABULATIONS
REQUIRED: 2 SPACES PER DWELLING UNIT @ 23 DU x 2 = 46 SPACES
PROVIDED: 46 SPACES
- OPEN SPACE TO REMAIN ON SITE: 1.553 AC OR 10.5 %

NOTE:
FOR FINAL LOT GRADING FOR LOTS 31 AND 33 SEE SHEET 1 OF 3.

CONSTRUCTION SCHEDULE

- Obtain grading permit.
- Notify the Howard County Bureau of Licenses, Inspections and Permits and the Construction Inspection/Survey Division at 701-7272 at least 24 hours prior to beginning grading operations.
- Clear and grub for installation of sediment control devices. Install silt fence, straw bale dike and sediment traps. 1 week
- Install stabilized construction entrances on lots being worked on. Install additional straw bale dike as directed by the Inspector to prevent silt runoff between lots. On Going
- Grade lots, construct houses, driveways, utility connections, etc. on an individual basis. Vegetatively stabilize lots prior to removing sediment control devices. 6 months
- Complete construction on all lots other than Lot 31 and Lot 33, and vegetatively stabilize disturbed areas. On Going
- With permission of sediment control Inspector, remove stone outlet sediment traps by:
A. Pump any standing water onto stabilized outfall.
B. Remove and deposit sediment at a site with approved sediment control.
C. Rough grade for final lot construction. 1 week
- Grade lots 31 and 33, construct houses, driveways, utility connections, etc. Vegetatively stabilize lots prior to removing sediment control devices. 2 months
- Complete construction on Lots 31 and 33 and vegetatively stabilize disturbed areas. 1 week
- With the grading inspector's permission, remove remaining sediment control devices and stabilize any remaining disturbed areas.

OWNER & DEVELOPER

DUCKETT LANE ASSOCIATES, INC.
P.O. BOX 39
COLUMBIA, MARYLAND 21046

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection, (992-2437) 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 re-disturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 14 days as to all other disturbed or cleared areas on the project area.
- All adjacent property owners must be fenced and warning signs provided adjacent their perimeter in accordance with Vol. 1, Chapter 11 of the HOWARD COUNTY 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. 11) and (Sec. 14), temporary seedings (Sec. 50) and mulching (Sec. 12). Temporary stabilization with mulch alone can only be done when recommended seeding rates are not allowed 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 permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
 - Total Area of Site: 4.9 Acres
 - Area Disturbed: 2.7 Acres
 - Area to be roofed or paved: 2.7 Acres
 - Area to be vegetatively stabilized: 2.2 Acres
 - Total Disturbance: 4.9 Acres
 - Total Soil: 268,000 sq. yds.
 - Of Area Within/Outside 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.
- Additional sediment control must be provided, if deemed necessary by the Howard County sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

Apply to graded or cleared areas likely to be re-disturbed where a permanent long-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: 1. 1/2" of 10-10-20 fertilizer (14 lbs/1000 sq ft) before seeding.
2. 1/2" of 10-10-20 fertilizer (14 lbs/1000 sq ft) before seeding.
3. 1/2" of 10-10-20 fertilizer (14 lbs/1000 sq ft) before seeding.

Seeding: For the period 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 per acre and 1 lb per acre of 10-10-20 fertilizer (14 lbs/1000 sq ft) before seeding.
For the period May 1 thru August 14, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue per acre and 1 lb per acre of 10-10-20 fertilizer (14 lbs/1000 sq ft) before seeding.
For the period October 16 thru February 28, project 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 seed. Option (3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 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 anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt mulch anchoring tool or 218 gallons per acre (5 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 re-disturbed where a short-term vegetative cover is needed.

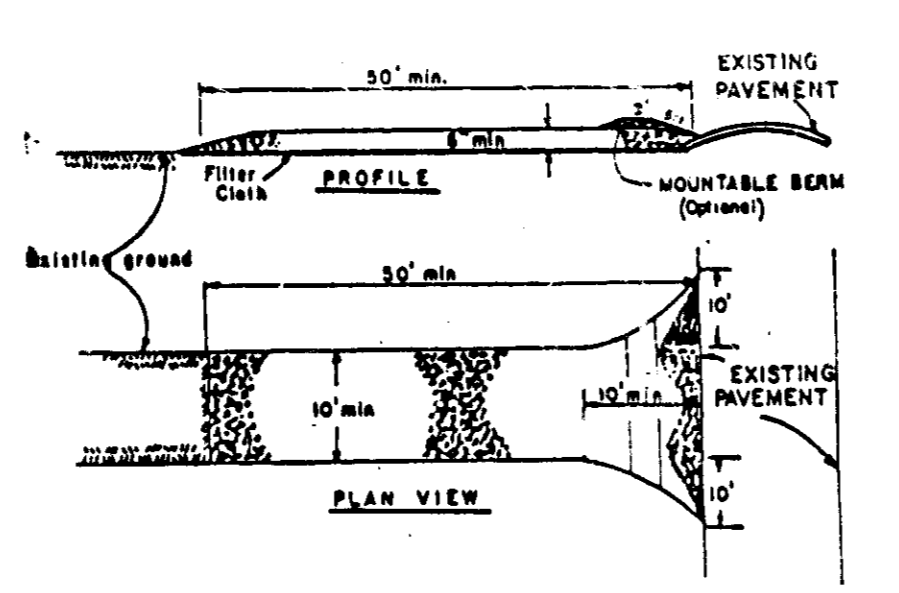
Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs per acre 10-10-20 fertilizer (14 lbs/1000 sq ft)

Seeding: For the period March 1 thru April 30 and from August 15 thru November 15, seed with 60 lbs per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of vernal ryegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, project site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

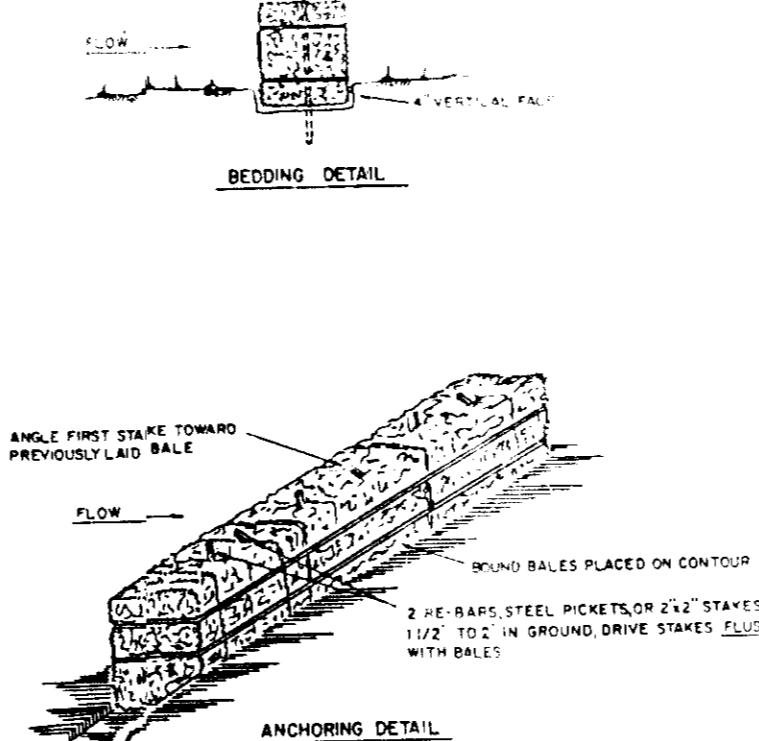
Mulching: Apply 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 2 1/2" taller, use 318 gal per 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.



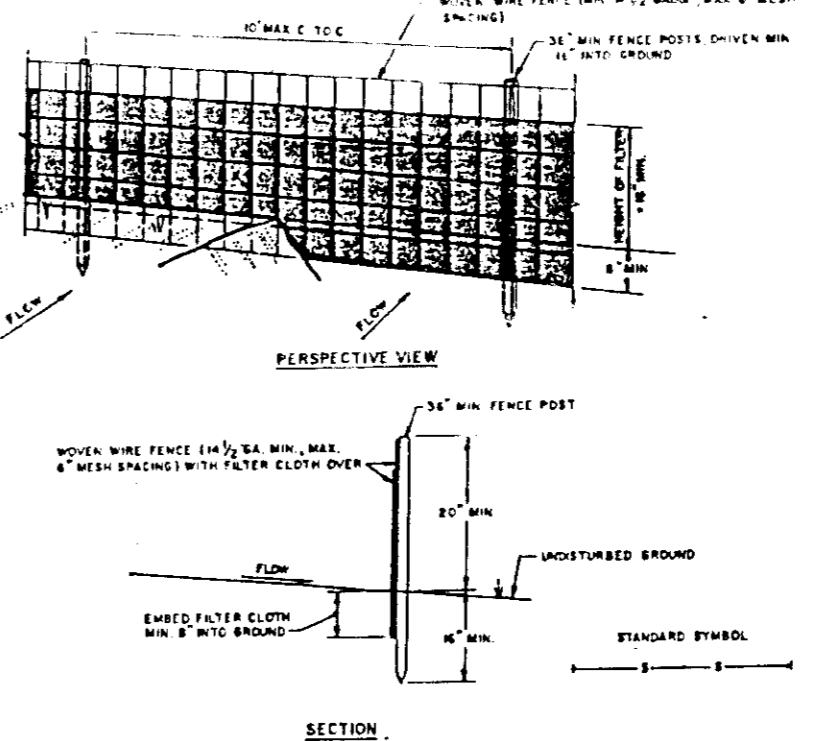
- CONSTRUCTION SPECIFICATIONS**
- Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
 - Length - As required, but not less than 30 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than 18" (6 inches).
 - Width - The (18) 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 placing of stone. Filter will not be required on a single family residence lot.
 - Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 1:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent seepage or leakage of sediment into public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or placement of any material used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Washing - Washing shall be allowed 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 trap device.
 - Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE - S.C.E.
NOT TO SCALE



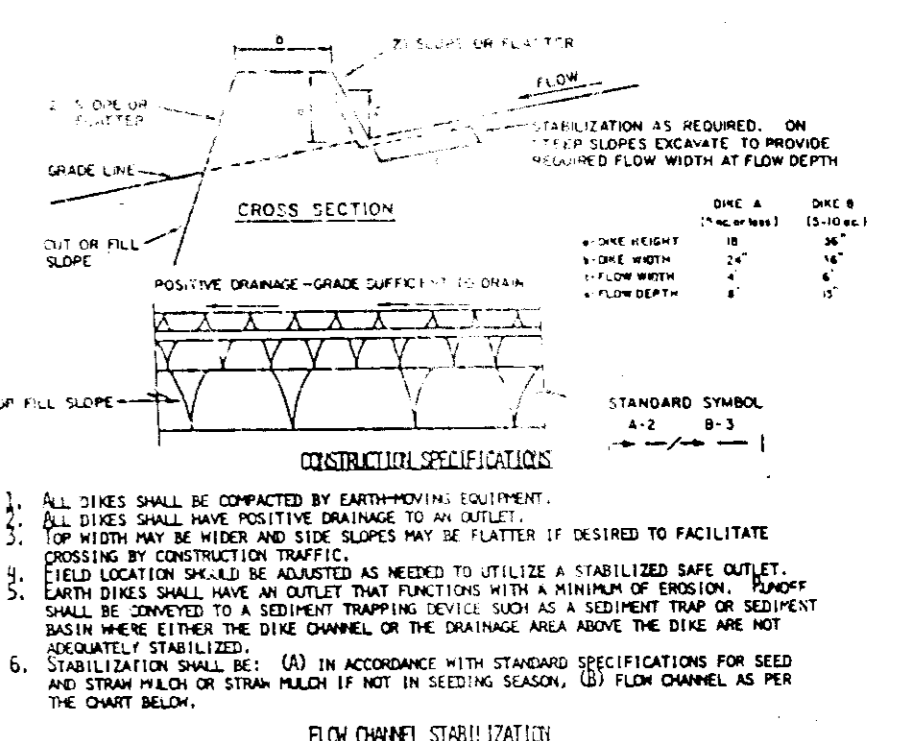
- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Bales shall be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 - Each bale shall be spaced in the soil a minimum of (3) inches, and placed so the blemishes are horizontal.
 - Bales shall be securely anchored in place by either the stakes or re-bars driven through the bales. The first stake in each bale shall be driven through the previously laid bale if it is unable to force the bales together. Stakes shall be driven flush with the bale.
 - Inspection shall be provided and repair/replacement shall be made promptly as needed.
 - Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE - S.B.D.
NOT TO SCALE



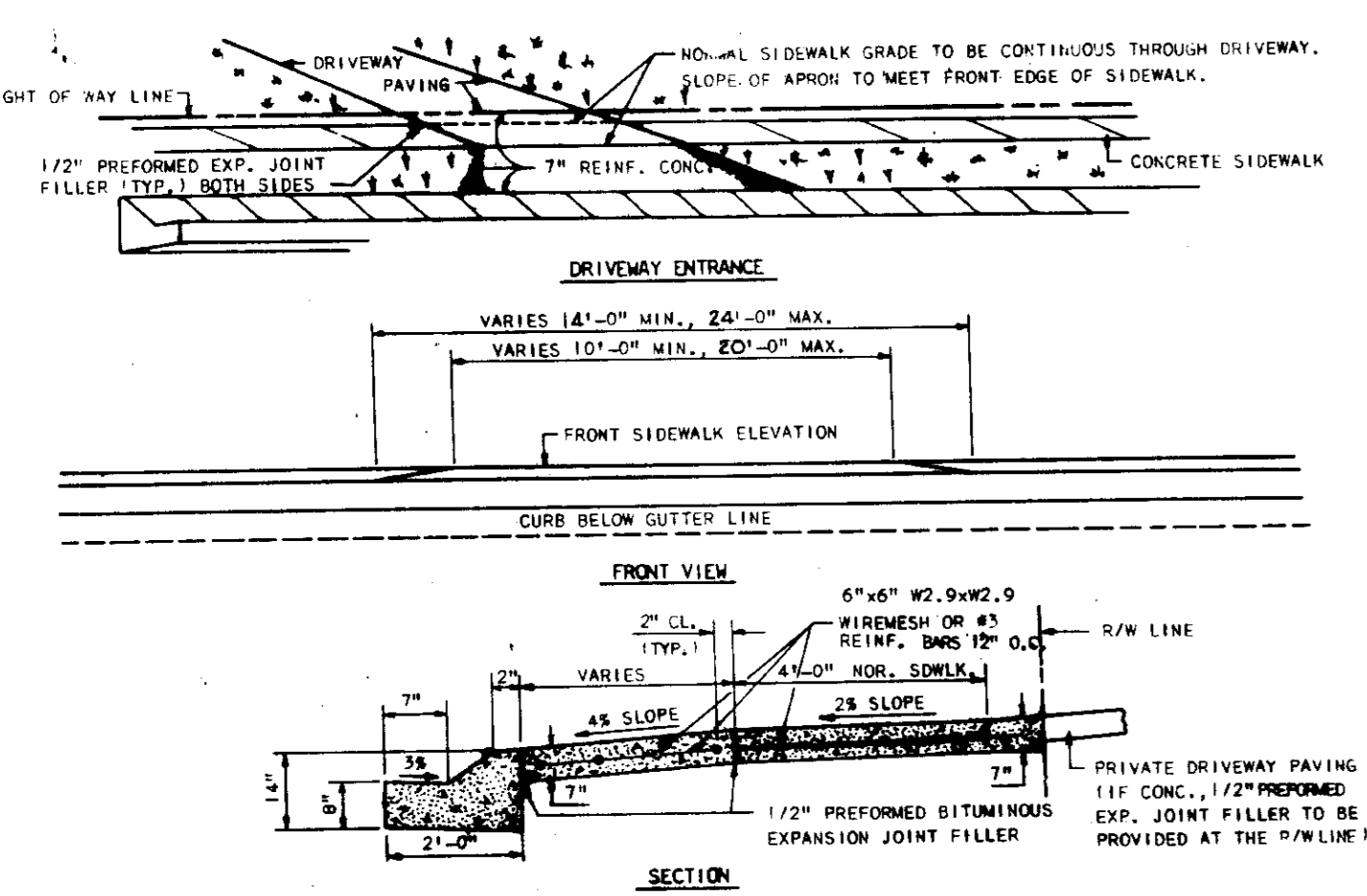
- CONSTRUCTION SPECIFICATIONS**
- When wire fence is to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to wooden silt fence with ties spaced every 2' to top and mid section.
 - When the sections of filter cloth extend along each other they shall be overlapped by six inches and folded.
 - Maintenance shall be performed as needed and material removed when bales develop in the silt fence.

SILT FENCE - S.F.
NOT TO SCALE

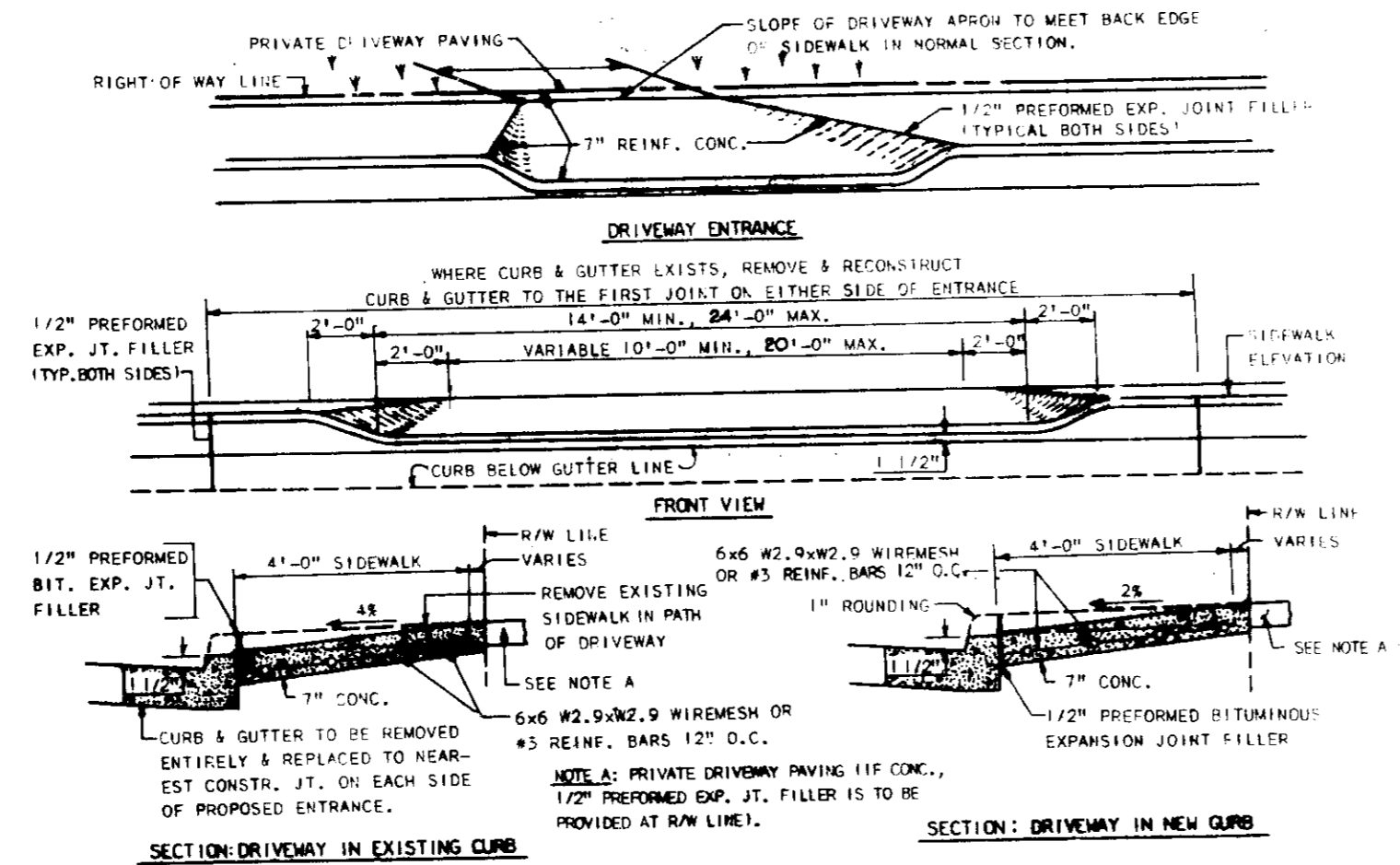


- CONSTRUCTION SPECIFICATIONS**
- All dikes shall be compacted by earthmoving equipment.
 - All dikes shall have a minimum of 24" height.
 - Diagrams shall be used to facilitate construction.
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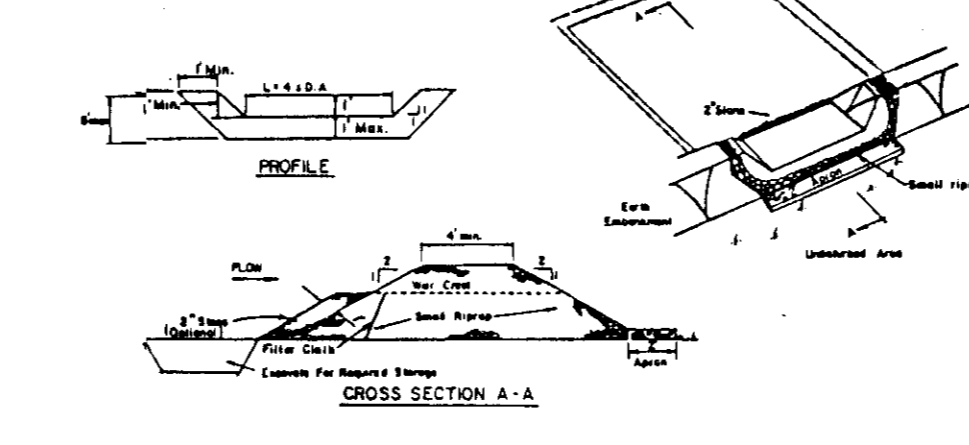
EARTH DIKE - E.D.
NOT TO SCALE



DRIVEWAY ENTRANCE DETAIL
CURBED SECTION WITH MODIFIED COMB CURB AND GUTTER AND SIDEWALK - LOOK LANE
NOT TO SCALE

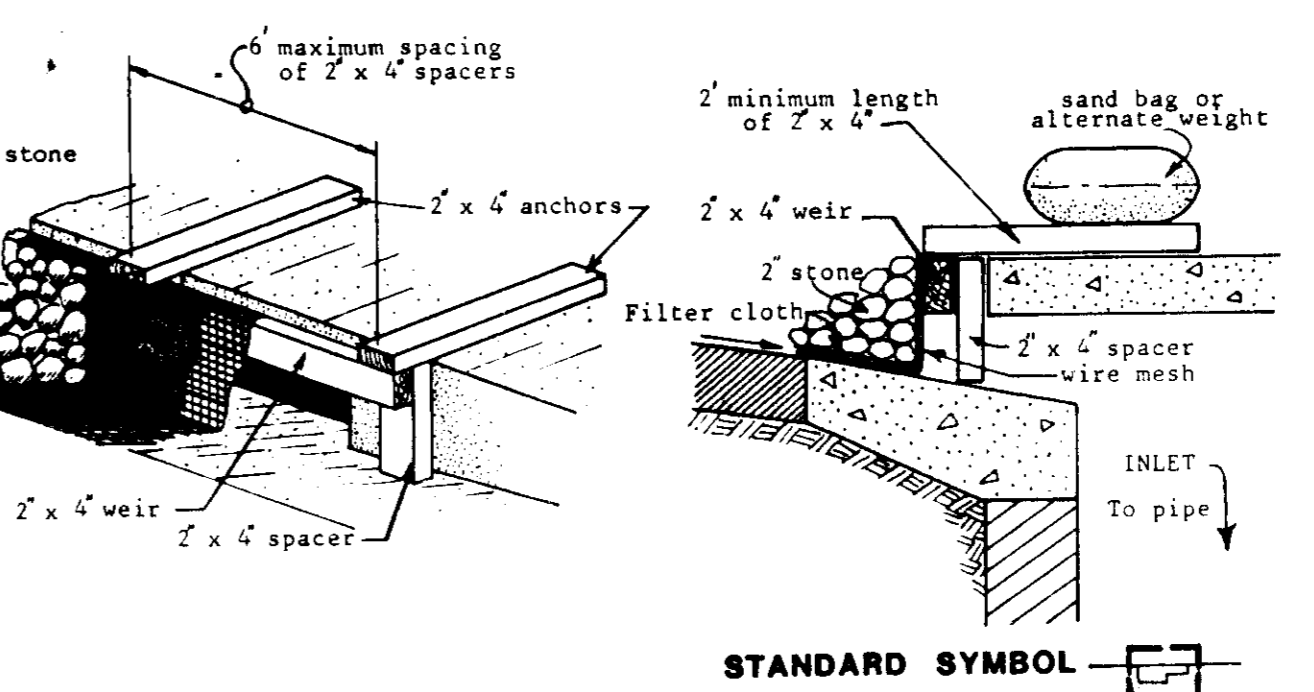


DRIVEWAY ENTRANCE DETAIL
CURBED SECTION WITH 90° COMB CURB AND GUTTER AND SIDEWALK ABUTTING THE CURB
DUCKETTS LANE NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS FOR ST-T**
- Area under sedimentation shall be cleared, graded and occupied by any vegetation and rock 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, debris material or other objectionable material. The embankment shall be compacted by treading with equipment while it is being constructed.
 - All out and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4" max along with 1" thickness of 2" aggregate placed on the up slope side on the small riprap 2" embankment filter cloth in the riprap.
 - 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.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that stream and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP
NO SCALE



STANDARD SYMBOL

SEDIMENT TRAP SCHEDULE										
TRAP NO.	TRAP TYPE	DRAINAGE AREA	DCS REQ'D STORAGE	STORAGE PROVIDED	OUTLET LENGTH	BOTTOM ELEV.	SPILLWAY ELEV.	CLEANOUT ELEV.	BOTTOM AREA	STORAGE DEPTH
1	STONE OUTLET	3,600 AC.	6,480 CF	7254 CF	15'	171.0	175.0	174.0	1800 SF	3'
2	STONE OUTLET	1,428 AC.	2,570 CF	3024 CF	5'	172.0	175.0	174.0	901 SF	2'

- 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 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" x 4" weir to 1/2" 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" to the top of the weir at 6" spacing). 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 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.

CURB OPENING INLET PROTECTION

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE: 8-21-86

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

SOIL CONSERVATION DISTRICT DATE: 8-21-86

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

COUNTY HEALTH OFFICER DATE: 8-21-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR DATE: 8-21-86

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR DATE: 8-18-86

CHIEF, BUREAU OF ENGINEERING DATE: 8-18-86

DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

HOWARD COUNTY

DATE: 7-30-86

DEVELOPER'S CERTIFICATE

I 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DEVELOPER: *John A. Carter, Jr.* DATE: 8/19/86

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *Walter Thomas* DATE: 8-18-86



OWNER & DEVELOPER

DUCKETTS LANE ASSOCIATES, INC.
P.O. BOX 30
COLUMBIA, MARYLAND 21046

boender associates
consulting engineers
land surveyors
land planners

3565 EIGHTH STREET
ELLSWORTH, MARYLAND 21111

DETAILS

PROJECT: LOTS 24-47 GLEN CON'S SUBDIVISION - SECTION TWO

LOCATION: 197 ELECTION DISTRICT, P.O. BOX 97, HOWARD CO. MD.

SCALE: AS SHOWN

DESIGNED BY: *DP* DRAWN BY: *DP* CHECKED BY: *DP* DATE: APRIL 1986

FIELD BOOK: PAGE NO. JOB NO. DRAWING NO. 3-2-3

DATE: 8-18-86