

GENERAL NOTES
 A. ZONING OF PROPERTY R-20
 B. AREA OF LOTS 7.15 AC.
 C. 1" = 11.852' OF LOTS, UNITS 80

LOT NUMBER	STREET ADDRESS
1	10203 Raleigh Tavern Lane
2	10207 Raleigh Tavern Lane
3	10211 Raleigh Tavern Lane
4	10215 Raleigh Tavern Lane
5	10219 Raleigh Tavern Lane
6	10223 Raleigh Tavern Lane
7	10227 Raleigh Tavern Lane
8	10231 Raleigh Tavern Lane
9	10235 Raleigh Tavern Lane
10	10201 Weatherberry Tavern Court
11	10205 Weatherberry Tavern Court
12	10209 Weatherberry Tavern Court
13	10208 Weatherberry Tavern Court
14	10204 Weatherberry Tavern Court
15	10200 Weatherberry Tavern Court
16	10251 Raleigh Tavern Lane
17	10257 Raleigh Tavern Lane
18	10263 Raleigh Tavern Lane
19	10271 Raleigh Tavern Lane
20	10277 Raleigh Tavern Lane
21	10283 Raleigh Tavern Lane

SUBDIVISION NAME Market Square South		SECT./AREA	LOT/PARCEL #
PLAT # OR L/P	BLOCK #	ZONE	TAX/ZONE MAP
6634+6636	7113	R-20	17
WATER CODE		ELEC. DIST.	CENSUS TR.
4-03		2	6021
SEWER CODE		5759000	

ENGINEERING LANDSCAPE DESIGN
 CONSTRUCTION CONTRACTING
 DEVELOPMENT COST
 PROPERTY DEVELOPMENT

LAND DESIGN ASSOCIATES
 716 HIGHWOOD DRIVE
 BALTIMORE, MD 21212
 323 0803

DESIGNED	RLW	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN MARKET SQUARE SOUTH LOTS 1-10 & 18-21 2 ND. ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
DRAWN	RLW		1" = 30'
CHECKED	RLW		DRAWING
DATE	8/18/86		1 OF 3
FOR:	ROBERT AHART, BUILDER INC. #001 BAYD NAT RKE, ELDOTT CITY, MD 21043	JOB NO.	
DATE	8/18/86	FILE NO.	

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 8-11-86
 M/370

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 8-4-86

APPROVED FOR ZONING
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE 8-5-86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 8-27-86

CHIEF BUREAU OF ENGINEERING
 DATE 8-11-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 APPROVED
 DATE 8-27-86

REVIEWED FOR HOWARD S.C.D. AND METEOROLOGICAL REQUIREMENTS
 U.S. SOIL CONSERVATION SERVICE
 DATE 8-27-86

DEVELOPER'S/BUILDER'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 PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS. AS DEEMED NECESSARY.

ROBERT AHART JR. (Pres) 8/26/86
 SIGNATURE OF DEVELOPER / BUILDER DATE



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

Walter P. Hawker 8/18/86
 ENGINEER DATE

TO WHOM IT MAY CONCERN:

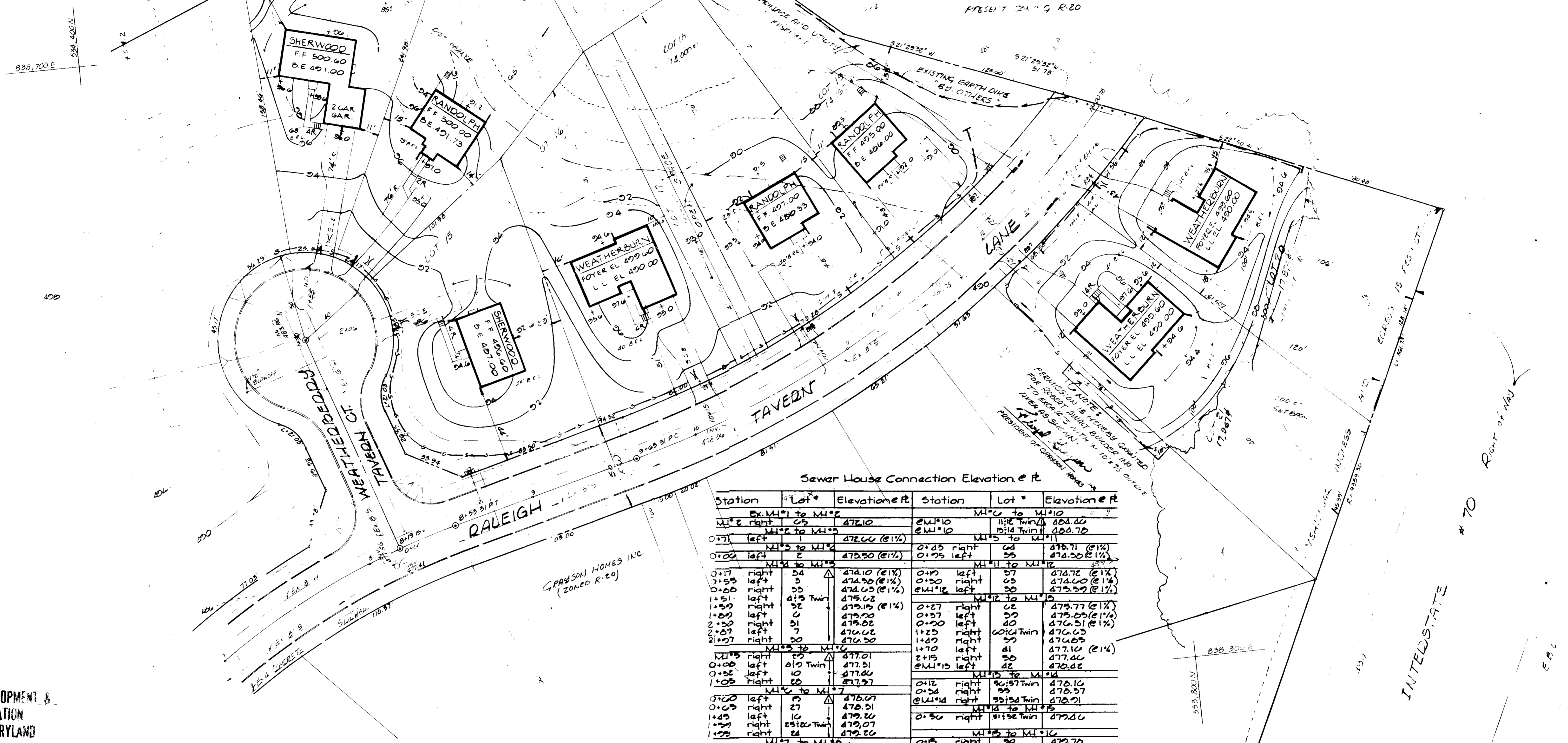
Permission is hereby granted for Grayson Homes, Inc. and Robert Awalt Builder to use the storm water management pond for sediment control on their lots.

Donald R. Reuser, Jr.
President-Elliott City Land Holding Company
The Developer

GEORGE B. WILLIAM
70% 1/21
PRESENT ZONING R-20

JOHN AS. N. BARN
70% 1/21
PRESENT ZONING R-20

CLYDE SMITH, JR.
70% 1/21
PRESENT ZONING R-20



Sewer House Connection Elevation e ft

Station	Lot	Elevation e ft	Station	Lot	Elevation e ft
M1* right 05	05	478.10	M1*0 to M1*10	11:2 Twin	488.00
M1*0 to M1*0			M1*10	11:2 Twin	488.70
0:71 left	05	478.00 (E1%)	M1*0 to M1*10		
0:00 left	05	475.50 (E1%)	0:15 right	05	475.71 (E1%)
			0:15 left	05	474.50 (E1%)
0:17 right	05	474.10 (E1%)	M1*11 to M1*12		
0:00 right	05	474.30 (E1%)	0:27 right	02	475.77 (E1%)
1:51 left	4:5 Twin	475.00 (E1%)	0:57 left	00	475.00 (E1%)
1:00 left	0	475.00	0:00 left	40	476.51 (E1%)
2:50 right	31	475.02	1:25 right	00:12 Twin	476.00
2:07 left	7	476.00	1:40 right	00	476.00
2:17 right	20	476.30	1:70 left	d1	477.10 (E1%)
M1*5 right	05	477.01	2:15 right	00	477.40
0:00 left	0:10 Twin	477.51	M1*15 left	02	479.02
0:52 left	10	477.00	M1*15 to M1*14		
1:02 right	10	477.57	0:12 right	00:17 Twin	478.10
M1*2 to M1*7			0:54 right	00	478.57
0:00 left	05	476.07	M1*14 right	00:18 Twin	478.01
0:05 right	27	476.51	M1*14 to M1*15		
1:45 left	10	479.20	0:50 right	0:15 Twin	479.00
1:30 right	25:12 Twin	479.07	M1*15 to M1*14		
1:25 right	24	479.20	0:15 right	00	479.70
M1*7 to M1*0			0:40 left	45	480.50
0:50 left	15	479.70	0:20 left	44	480.54 (E1%)
0:00 right	25	479.01	1:00 right	00	481.00
1:27 right	22	480.20	M1*15	00	480.00 (E1%)
M1*0 left	00	480.20	M1*15	00	480.00 (E1%)
M1*0 to M1*0			M1*15	00	480.70 (E1%)
0:10 right	21	480.02	M1*15	00	480.70 (E1%)
M1*0 right	20	481.22			

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 8-11-86
m/270

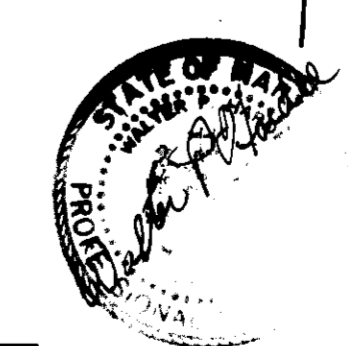
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
James Boyd 9-4-86
COUNTY HEALTH OFFICER DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
John W. Williams 9-5-86
PLANNING DIRECTOR DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James F. Danner 9-5-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James F. Danner 9-2-86
DIRECTOR DATE
CHIEF BUREAU OF ENGINEERING DATE

REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS
James M. Miller 8-27-86
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE

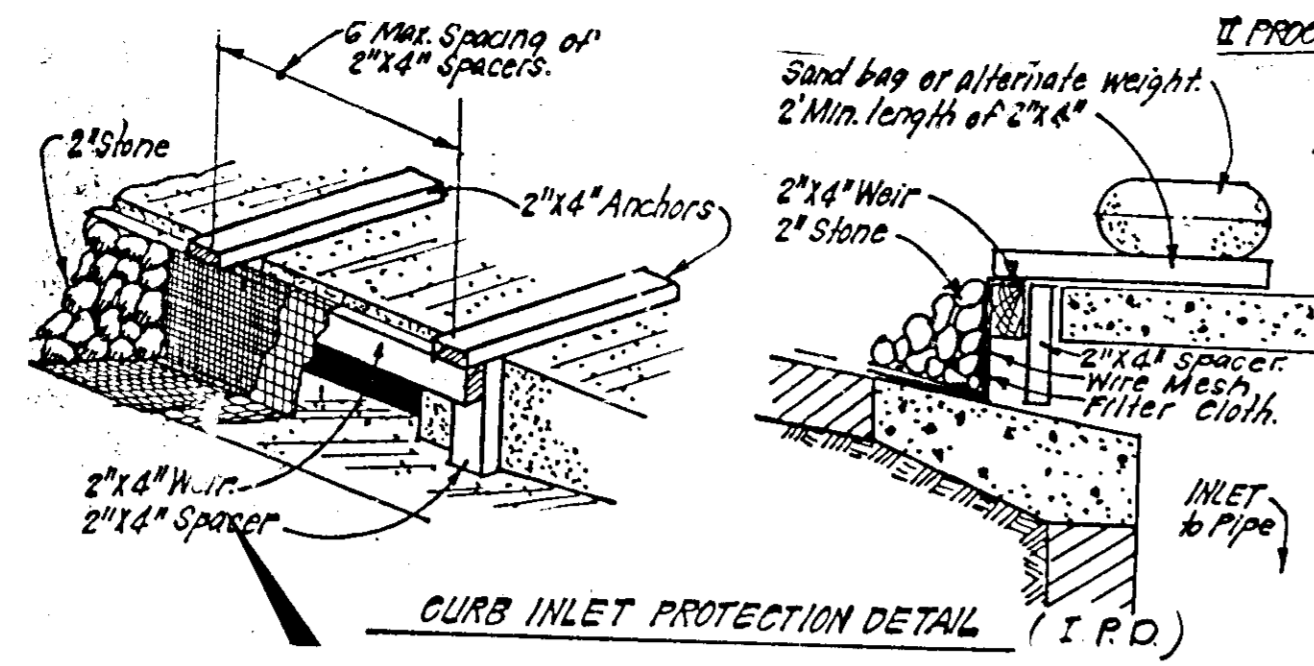
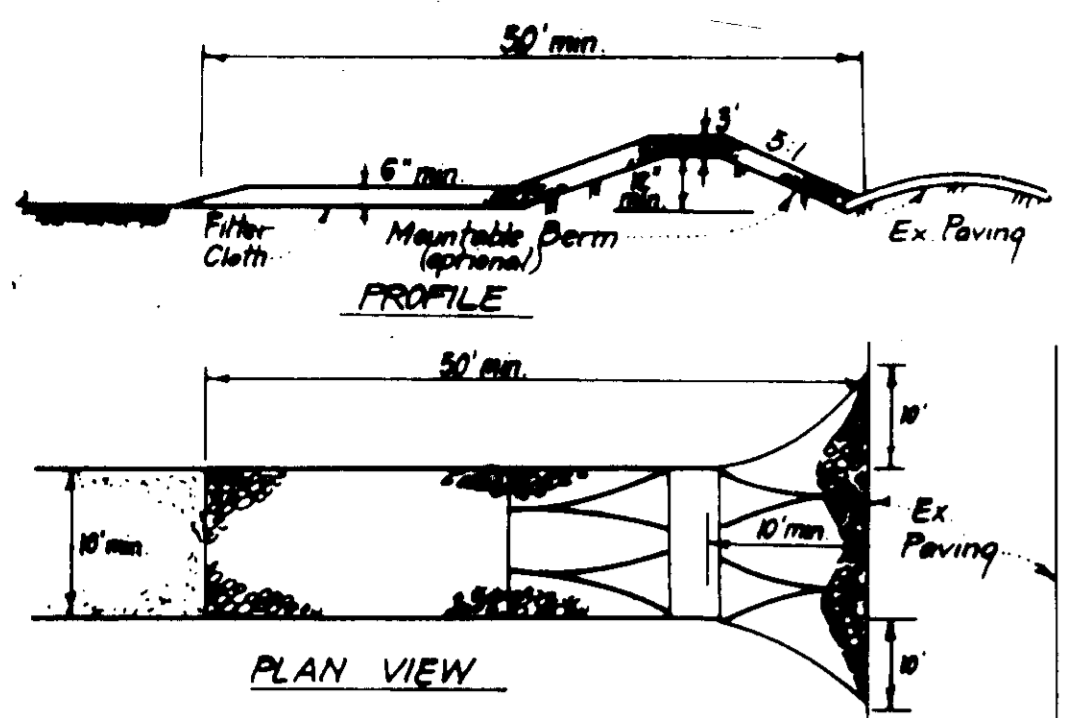
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
William J. Miller 8-27-86
APPROVED DATE

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Robert Awalt 8-13-86
SIGNATURE OF DEVELOPER / BUILDER DATE

ENGINEERS CERTIFICATE
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Walter P. Hader 8/13/86
ENGINEER DATE



ENGINEERING LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT		LAND DESIGN ASSOCIATES #718 HIGHWOOD DRIVE BALTIMORE, MD 21212 325 0805	
DESIGNED RLW	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN MARKET SQUARE SOUTH LOTS 1-16 8/13-21 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'	FILE NO.
DRAWN RLW		DRAWING 2 OF 3	
CHECKED RLW		JOB NO.	
DATE 8/13/86		FOR: ROBERT AWALT BUILDER INC. # 9051 BALDWIN PIKE, EIGHTH CITY, MD 21043	

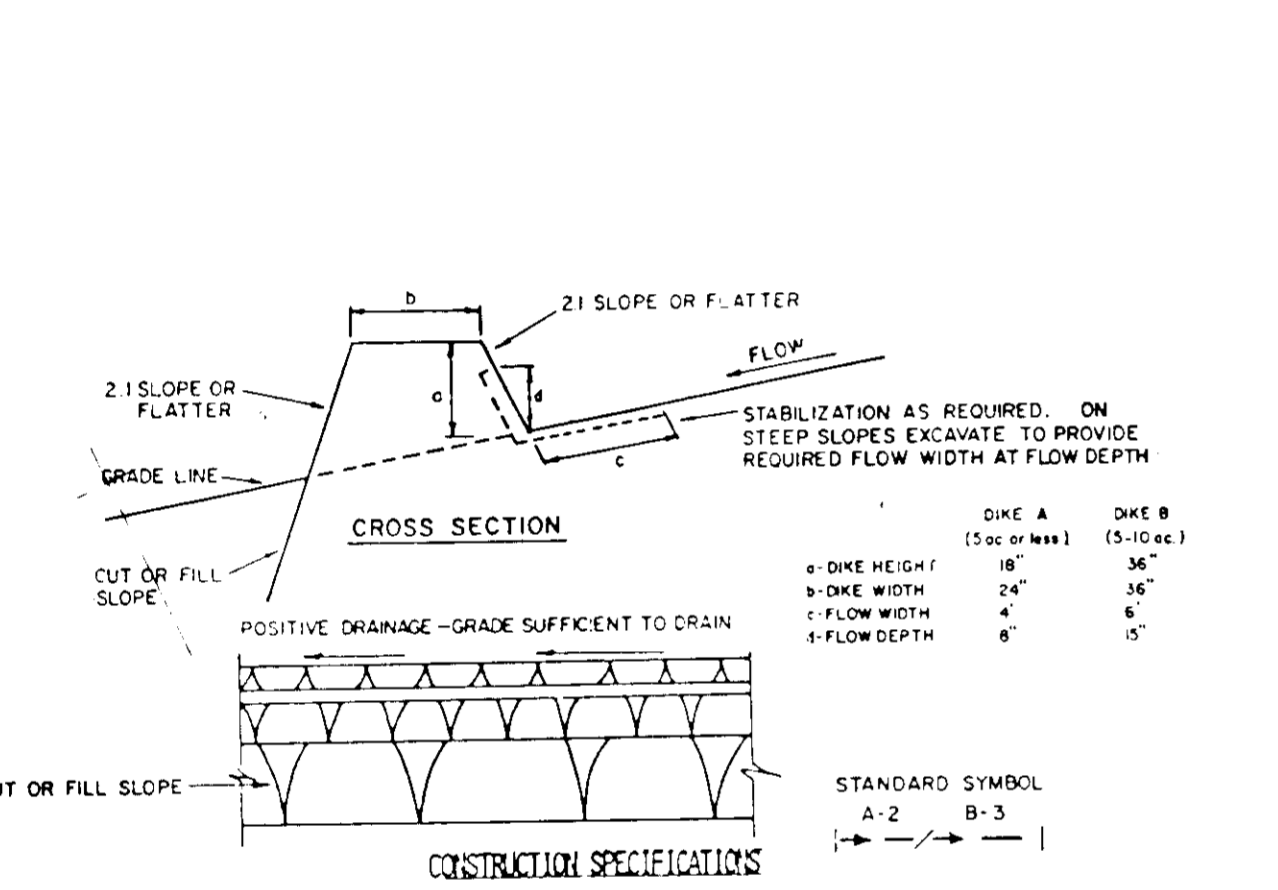


PROCEDURE: CURB INLET PROTECTION

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 std. drawing.
2. Place a piece of approved filter cloth (40-65 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 3" long vertical spacers to be located between the weirs and inlet face (max. 6" apart).
4. Place the assembly against the inlet throat and nail (min. 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 min. 1' beyond both ends of throat opening.
6. From 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 to inlet.

- 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 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 clearing of any measures used to trap sediment. All sediment applied, deposited, 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 device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)



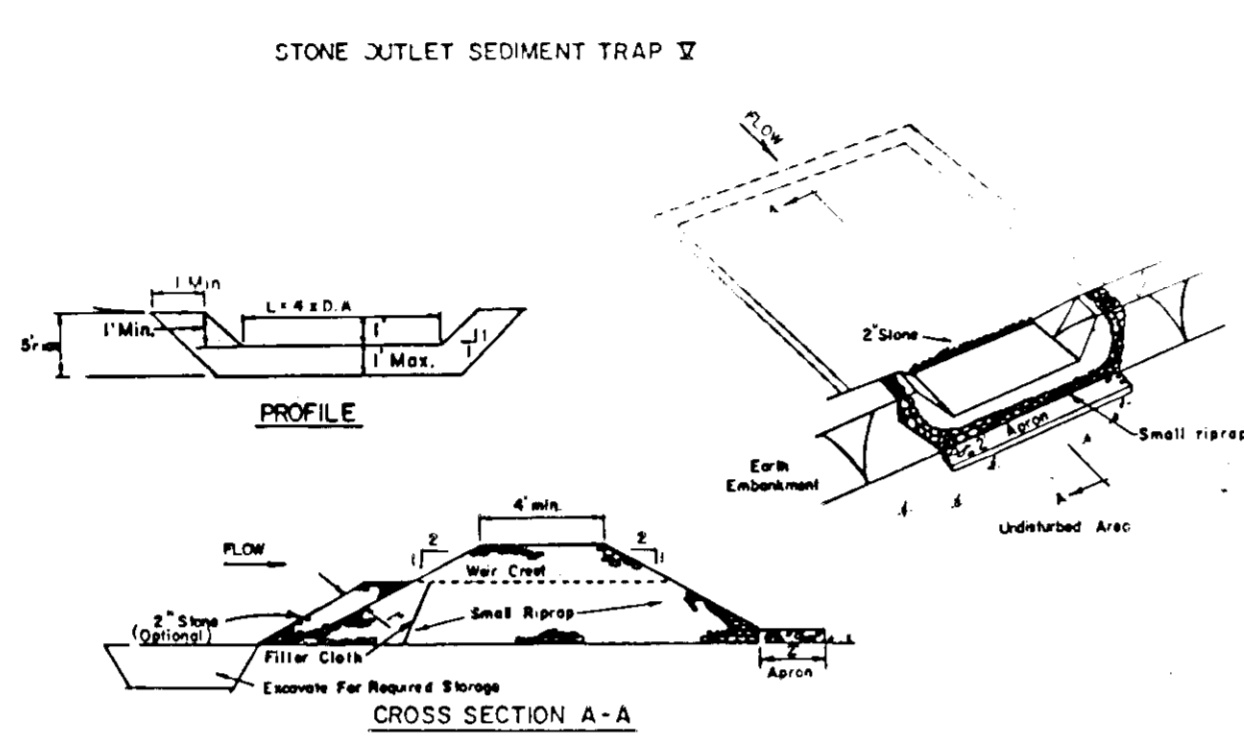
CONSTRUCTION SPECIFICATIONS FOR ST-3

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
2. 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 upgrade side on the 2" riprap on embedded filter cloth in the riprap.
5. Sediment shall be removed and trap re-created 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 needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

EARTH DIKE (ED)

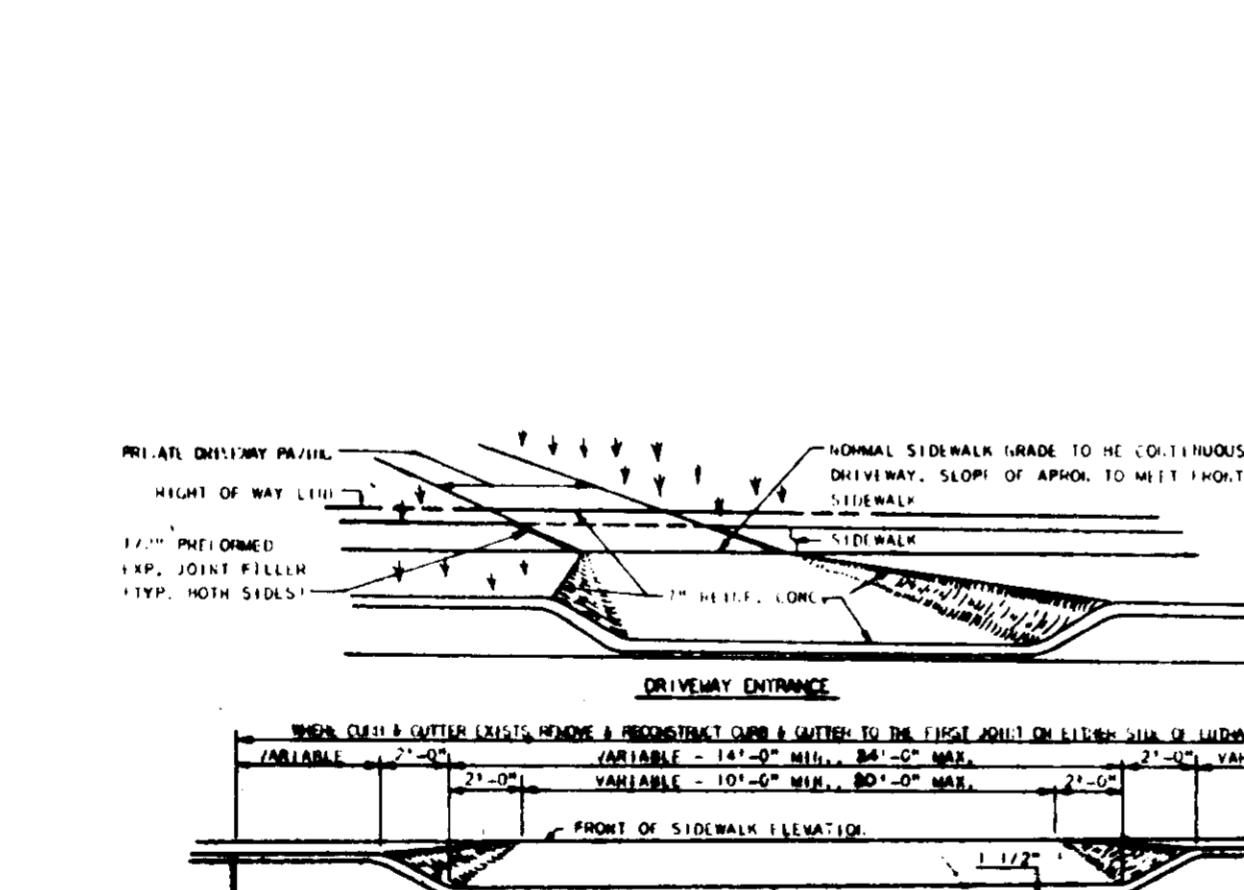
TYPE OF TREATMENT	CHANNEL WIDTH	DIKE A	DIKE B
1	5-3.0R	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0R	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTOR, 50% 2" STONE
3	5.1-8.0R	SEED WITH JUTE, OR SOIL	LINED RIP-RAP 4-8"
4	8.1-20R	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

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 3 inches thickness and pressed into the soil.
 C. Approved equivalents can be substituted for any of the above materials.
 7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



CONSTRUCTION SPECIFICATIONS FOR ST-3

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
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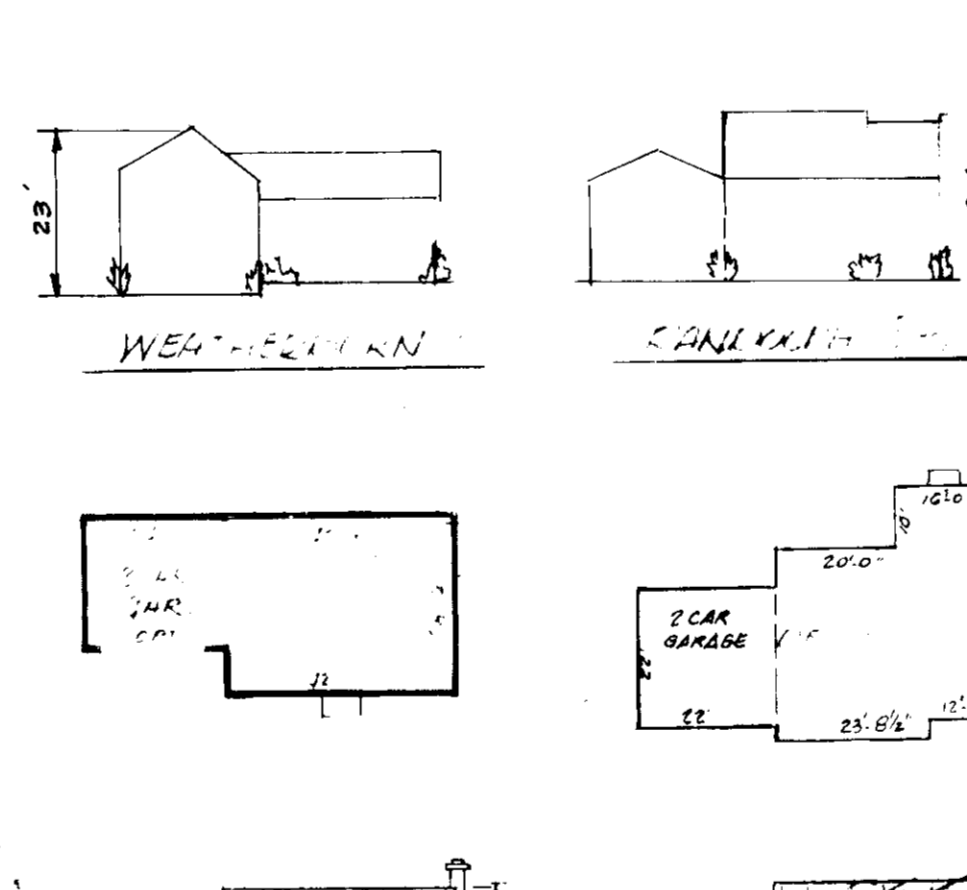
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CONSTRUCTION SPECIFICATIONS FOR ST-3

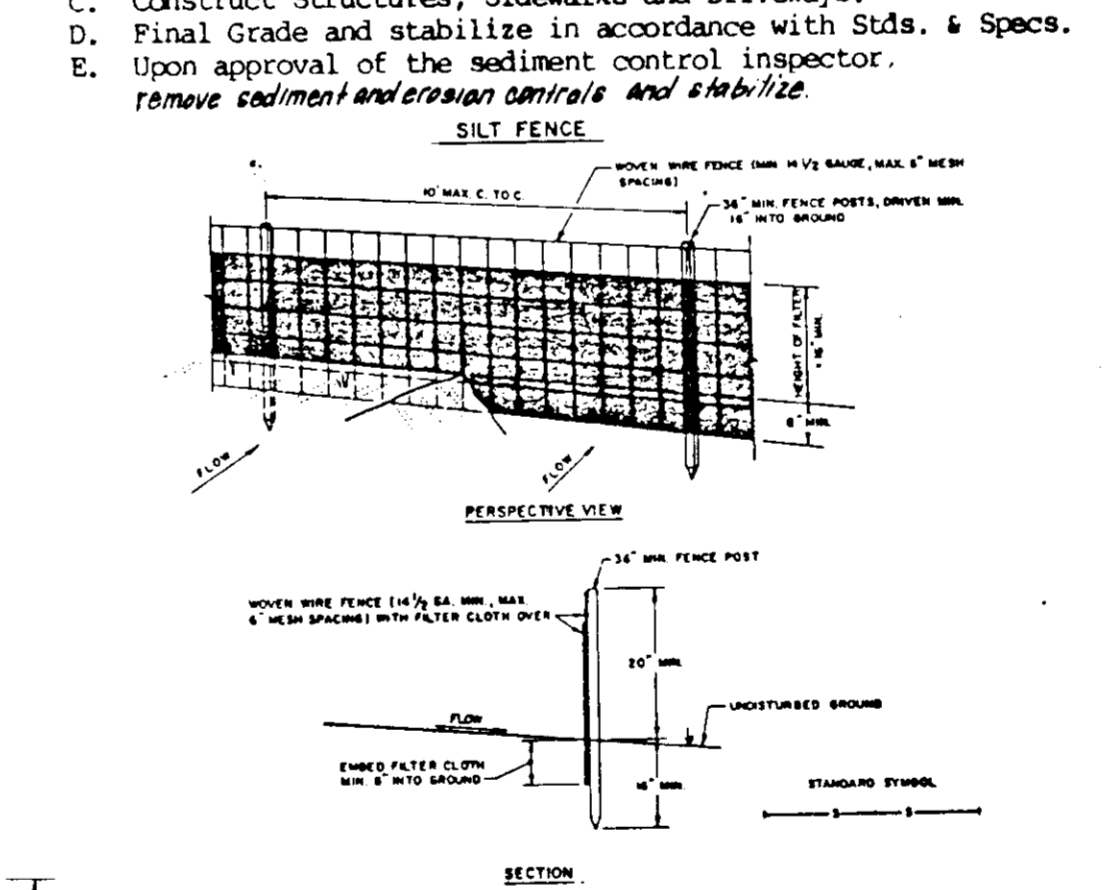
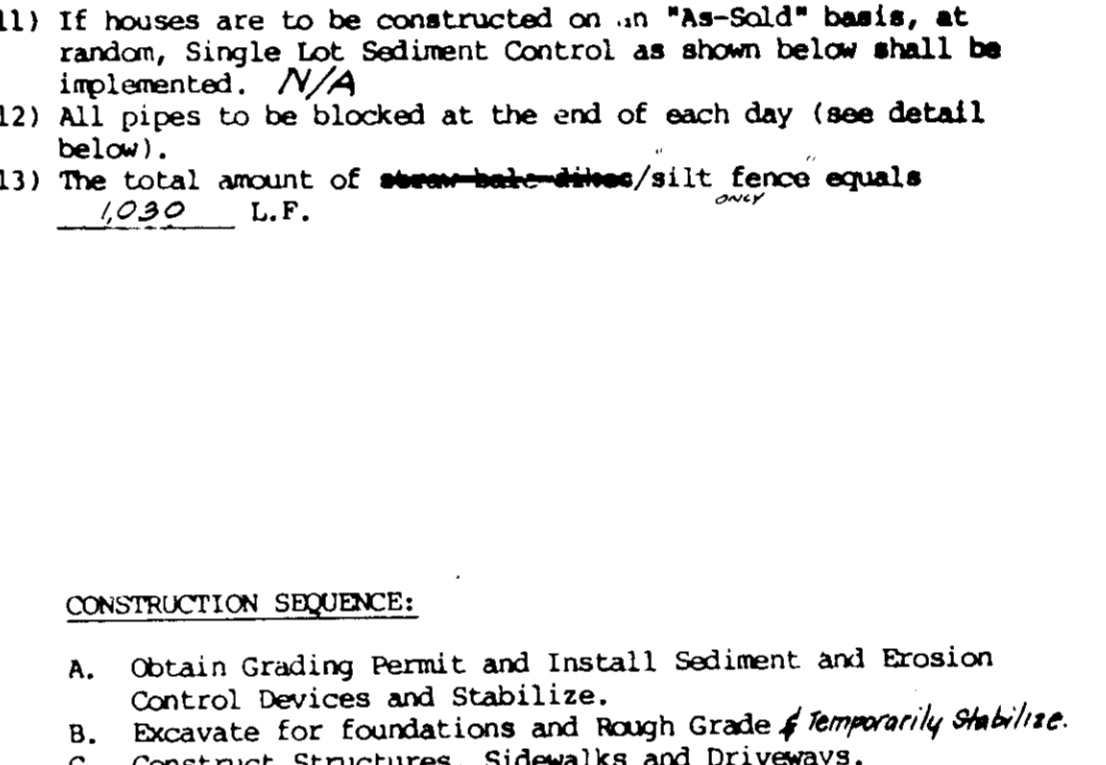
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- SEDIMENT CONTROL NOTES**
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
 2. All vegetative and structural practices are to be installed according 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.
 3. Following initial soil disturbance or redistribution, 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 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.
 5. 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 alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 6. 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.
 7. If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 9. Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
 10. 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.



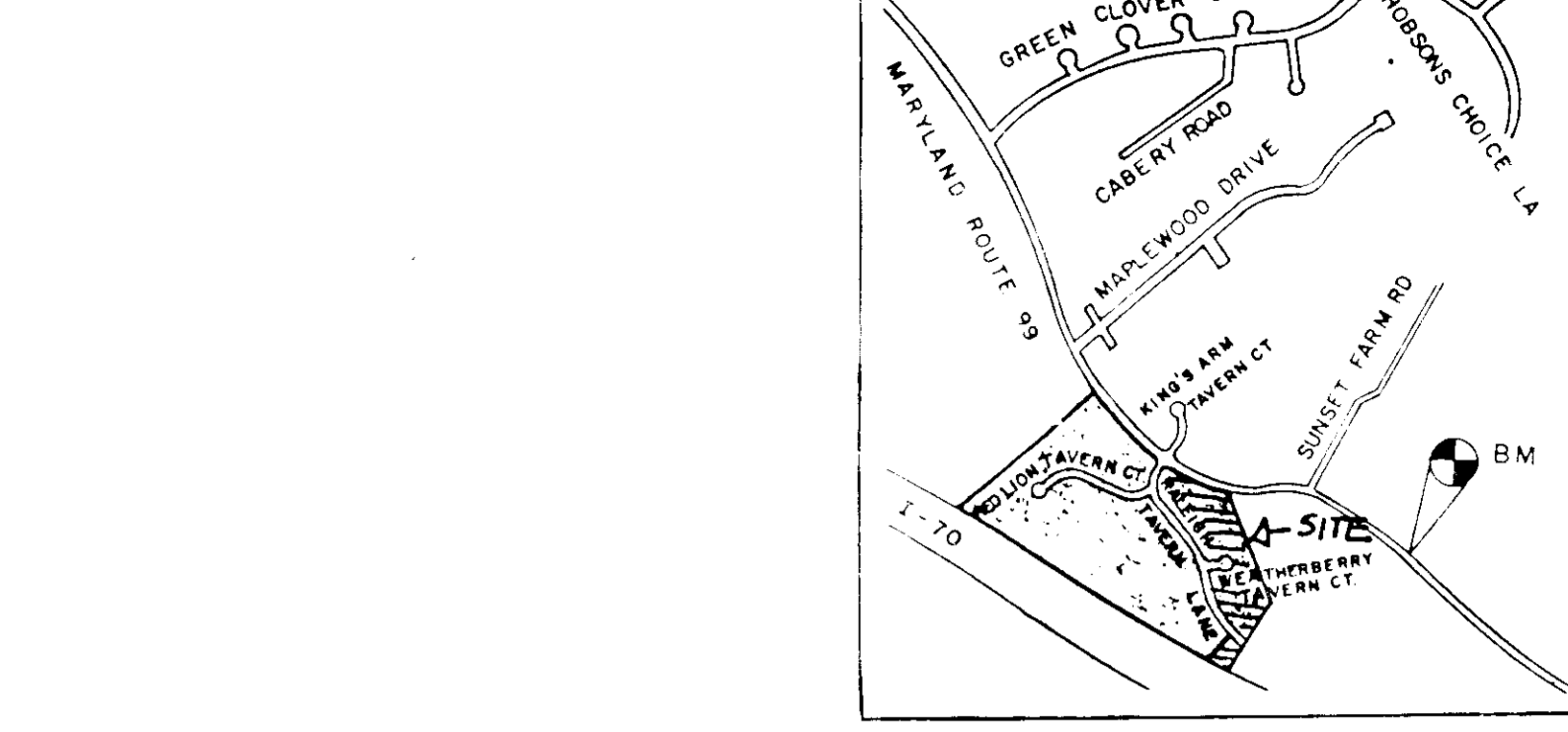
CONSTRUCTION SEQUENCE:

- A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
- B. Excavate for foundations and Rough Grade & Temporarily Stabilize.
- C. Construct Structures, Sidewalks and Driveways.
- D. Final Grade and stabilize in accordance with Stds. & Specs.
- E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.

DEVELOPERS/BUILDER'S CERTIFICATE

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Signature of Developer/Builder: [Signature] DATE: 8/20/86



VICINITY MAP

- GENERAL NOTES**
1. STORM WATER MANAGEMENT UNDER F 86-G2
 2. THE LAND INCLUDED IS ZONED R-20
 3. COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE
 4. THE TRUE NORTH AREAS ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE
 5. ALL ROADS ARE PUBLIC AND EXISTING
 6. ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
 7. TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 20
 8. STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER

PERMANENT SEEDING NOTES

Apply to graded or cleared areas 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 schedules:

- 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.

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 25 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.

<p>APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT</p> <p>DATE: 9-4-86</p> <p>APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING DATE: 9-5-86</p> <p>APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC WORKS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DATE: 9-5-86</p>	<p>APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND</p> <p>DATE: 8-11-86</p> <p>REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS DATE: 8-27-86</p>	<p>DEVELOPERS/BUILDER'S CERTIFICATE</p> <p>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 PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.</p> <p>Signature of Developer/Builder: [Signature] DATE: 8/20/86</p>	<p>ENGINEERS' CERTIFICATE</p> <p>I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>Signature: [Signature] DATE: 8/13/86</p>	<p>LAND DESIGN ASSOCIATES 718 HIGHWOOD DRIVE BALTIMORE, MD. 21212 325-0805</p> <p>SUBDIVISION NAME: MARKET SQUARE SOUTH SEC./AREA: 1-16/18-21 PLAT NO. OR L.F. BLK. NO.: 222-1-35 ZONE: R-20 WATER CODE: H03</p> <p>DESIGNED: RLW DRAWN: RLW CHECKED: RLW DATE: 8/18/86</p> <p>SITE DEVELOPMENT & SEDIMENT CONTROL PLAN MARKET SQUARE SOUTH LOTS 1-16 & 18-21 (20 lots)</p> <p>SCALE: 1"=30' DRAWING: 3 OF 8 JOB NO.: FILE NO.:</p>
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