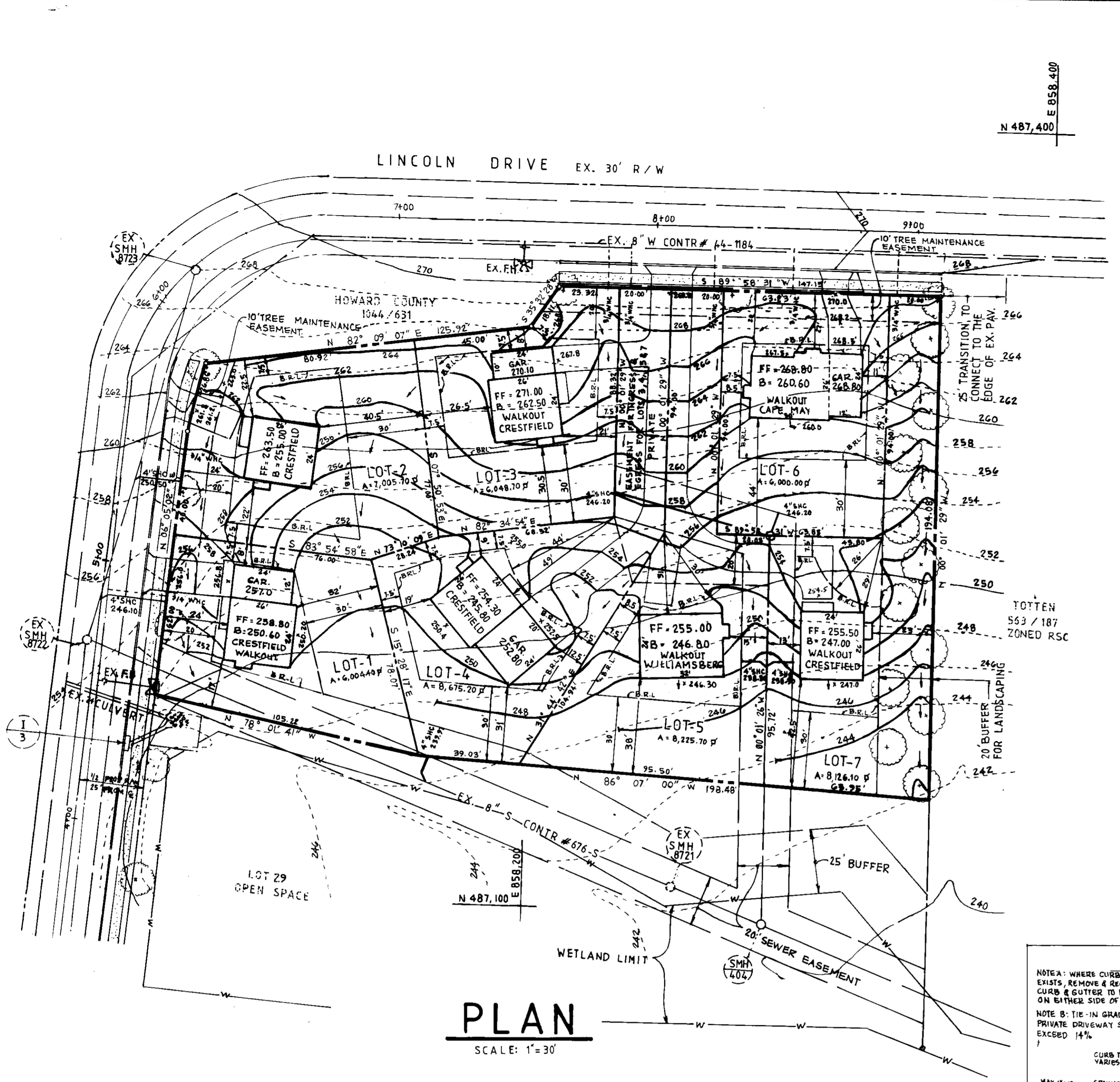
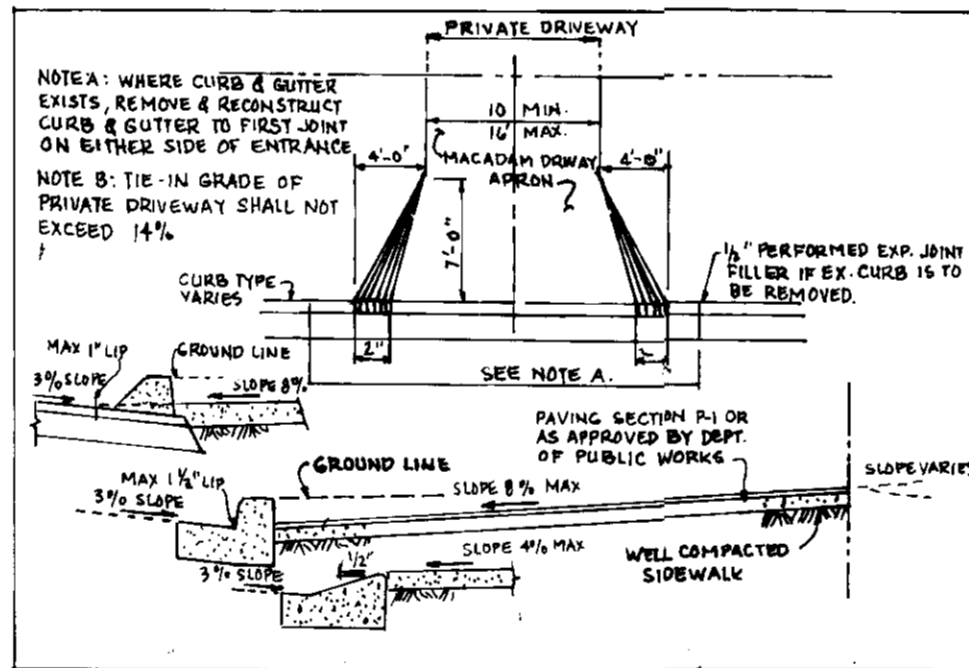


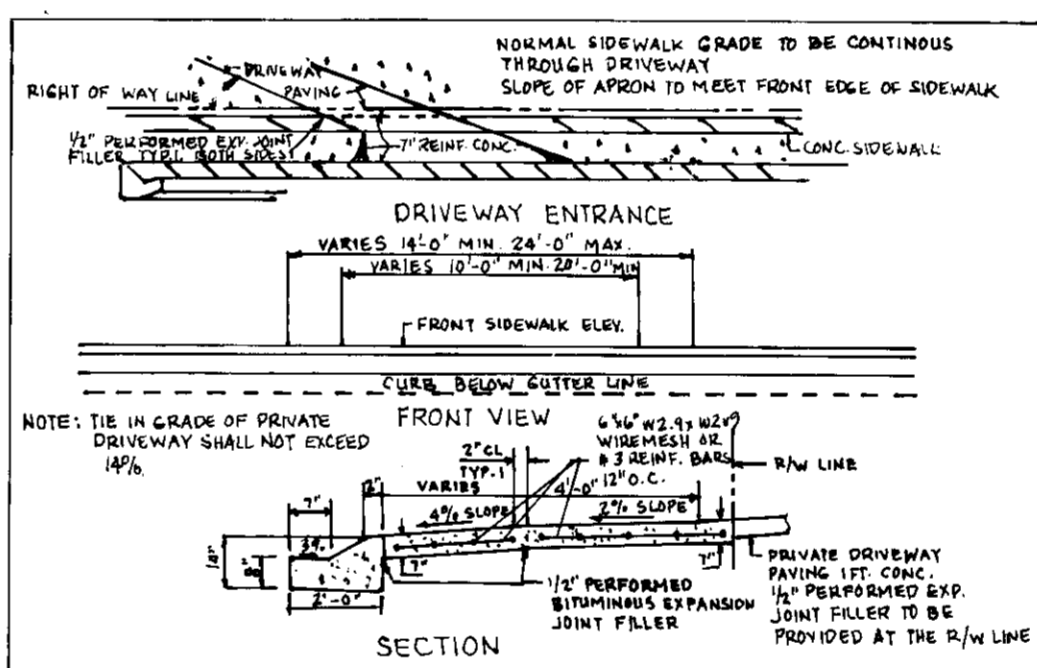
LOT NO.	GROSS AREA S.F.	CREATED SLOPE GREATER 25% S.F.	CREATED SLOPE 15% TO 25% S.F.	PIPE STN. AREA S.F.	FLOOD PLAN	NET AREA S.F.
1	6,004.4	---	---	490	---	6,004.40
2	7,005.7	---	---	1,025	---	7,005.70
3	6,048.7	---	---	2,400	---	6,048.70
4	8,675.2	---	---	900	1,823.20	6,852.00
5	8,225.7	---	---	1,250	1,880.00	6,345.70
6	6,000.0	---	---	1,400	---	6,000.00
7	8,126.1	---	---	3,650	1,880.00	6,246.10
24	6,000.2	---	---	500	---	6,000.20
25	7,799.0	---	---	700	1,600.00	6,199.00
26	7,717.4	---	---	500	1,707.70	6,009.70
27	6,000.3	---	---	400	---	6,000.30
28	7,730.9	---	---	300	1,715.50	6,015.30



PLAN
SCALE: 1"=30'

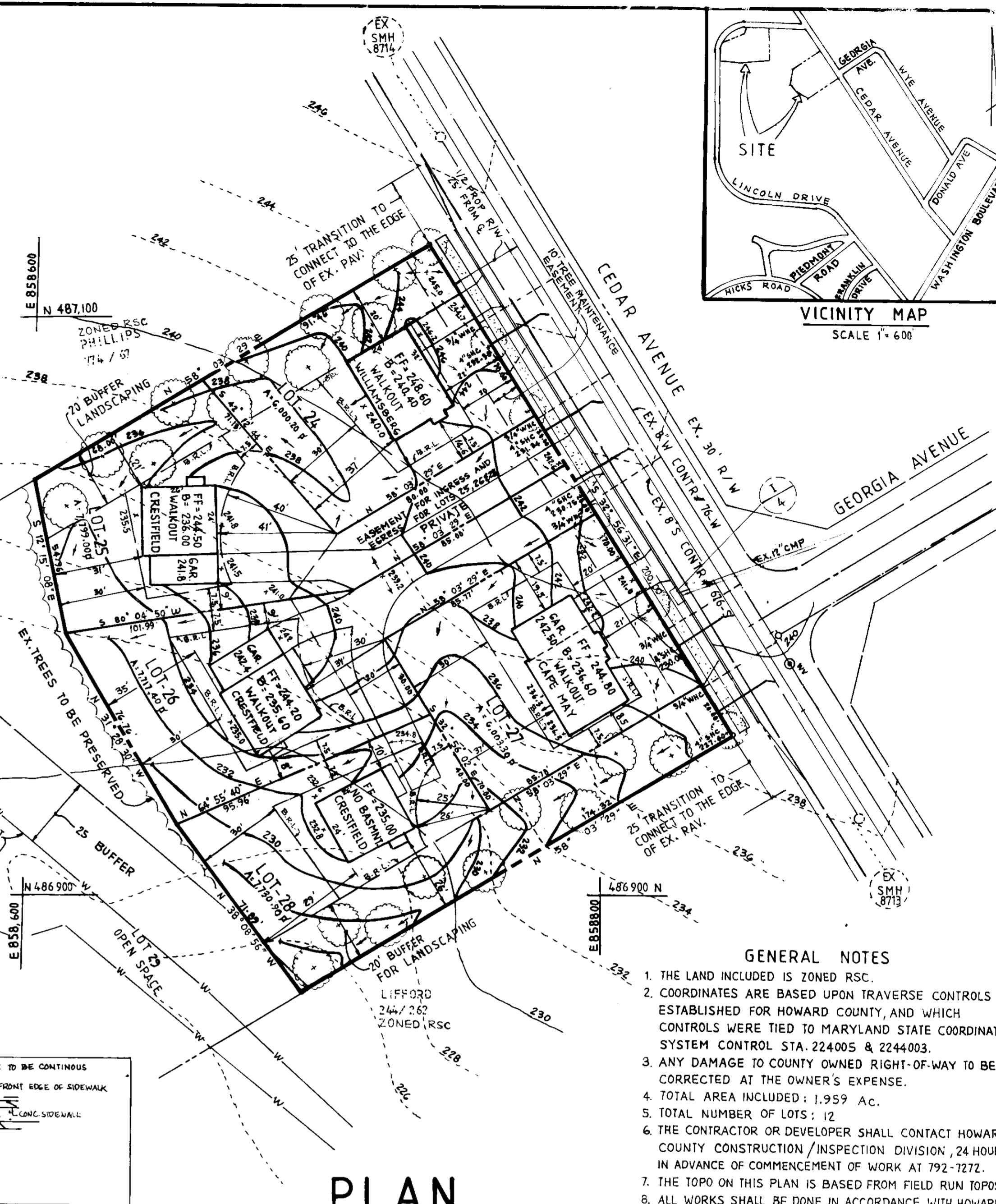
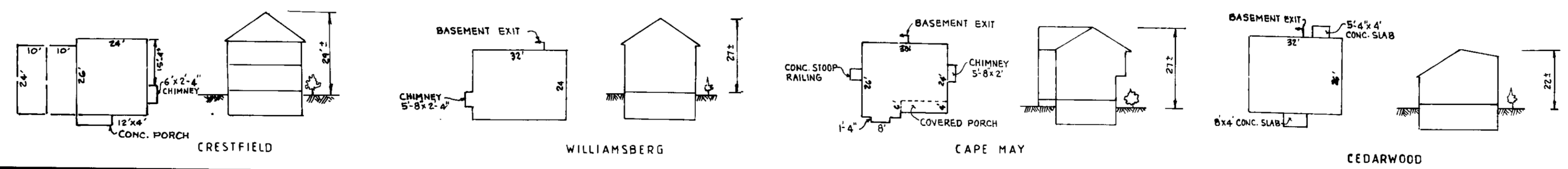


CLOSED SECTION ROADWAY WITHOUT CONCRETE SIDEWALK



CLOSED SECTION WITH MODIFIED COMBINATION CURB & GUTTER SIDEWALK

TYPICAL HOUSES
SCALE 1"=30'



PLAN
SCALE: 1"=30'

- GENERAL NOTES**
1. THE LAND INCLUDED IS ZONED RSC.
 2. COORDINATES ARE BASED UPON TRAVERSE CONTROLS ESTABLISHED FOR HOWARD COUNTY, AND WHICH CONTROLS WERE TIED TO MARYLAND STATE COORDINATE SYSTEM CONTROL STA. 224005 & 2244003.
 3. ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY TO BE CORRECTED AT THE OWNER'S EXPENSE.
 4. TOTAL AREA INCLUDED: 1.959 AC.
 5. TOTAL NUMBER OF LOTS: 12
 6. THE CONTRACTOR OR DEVELOPER SHALL CONTACT HOWARD COUNTY CONSTRUCTION/INSPECTION DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272.
 7. THE TOPO ON THIS PLAN IS BASED FROM FIELD RUN TOPOS.
 8. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME III STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, 1989 AMENDMENT.
 9. ALL ROADS ARE PUBLIC AND EXISTING.
 10. STORMWATER MANAGEMENT HAS BEEN PROVIDED UNDER F-90-171.
 11. SEE S-90-02, P-90-27, F-90-171 & WP-90-138, WP-91-162.
 12. NO CLEARING, GRADING OR REMOVAL OF THE EXISTING VEGETATION WILL BE DONE ON THE WETLANDS, FLOOD PLAIN AND WETLAND BUFFERS, UNLESS OTHERWISE ALLOWED AND SHOWN ON THE PLAN.
 13. THE EXISTING TREES IN THE WETLAND AND BUFFER AREAS WILL BE PRESERVED.
 14. THE FOUNDATIONS OF THE STRUCTURES ON LOT-3 SHOULD BE STAKED OUT PRIOR TO CONSTRUCTION.
15. A VARIANCE REQUEST TO DISTURB THE 25' WETLAND BUFFER HAS BEEN APPROVED WP-90-138.
16. THE CONTRACTOR SHALL PROVIDE A POSITIVE SLOPE TO DIRECT THE RUNOFFS INTO I-1.
17. USE IN COMMON EASEMENT RECORDATION REFERENCES: LIBER 2380, FOLIO 0193 DATED 8-22-91.

LOT NOS.	STREET ADDRESS	LOT NOS.	STREET ADDRESS
1	8330 LINCOLN DRIVE	7	8350 LINCOLN DRIVE
2	8337 LINCOLN DRIVE	24	7279 CEDAR AVENUE
3	8338 LINCOLN DRIVE	25	7283 CEDAR AVENUE
4	8342 LINCOLN DRIVE	26	7287 CEDAR AVENUE
5	8346 LINCOLN DRIVE	27	7295 CEDAR AVENUE
6	8354 LINCOLN DRIVE	28	7291 CEDAR AVENUE

SEDGHI & ASSOCIATES LTD.
ENGINEERS • SITE PLANNERS • SURVEYORS
3217 CORPORATE COURT
ELLCOTT CITY MARYLAND, 21043
(301) 750-9003

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER: *[Signature]* 9-13-91 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
DIRECTOR: *[Signature]* 9/12/91 DATE
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *[Signature]* 9/16/91 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR: *[Signature]* 9/10/91 DATE
CHIEF, BUREAU OF ENGINEERING: *[Signature]* 9-9-91 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
SOIL CONSERVATION SERVICE: *[Signature]* 9/14/91 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
HOWARD COUNTY SOIL CONSERVATION DISTRICT: *[Signature]* 9/14/91 DATE

REVISION			
NO.	DESCRIPTION	DATE	BY
1	REV. ON HOUSE - LOT-1	2-25-92	V.S.
2	REV. ON HOUSE - LOT-24	6-4-92	V.S.

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.

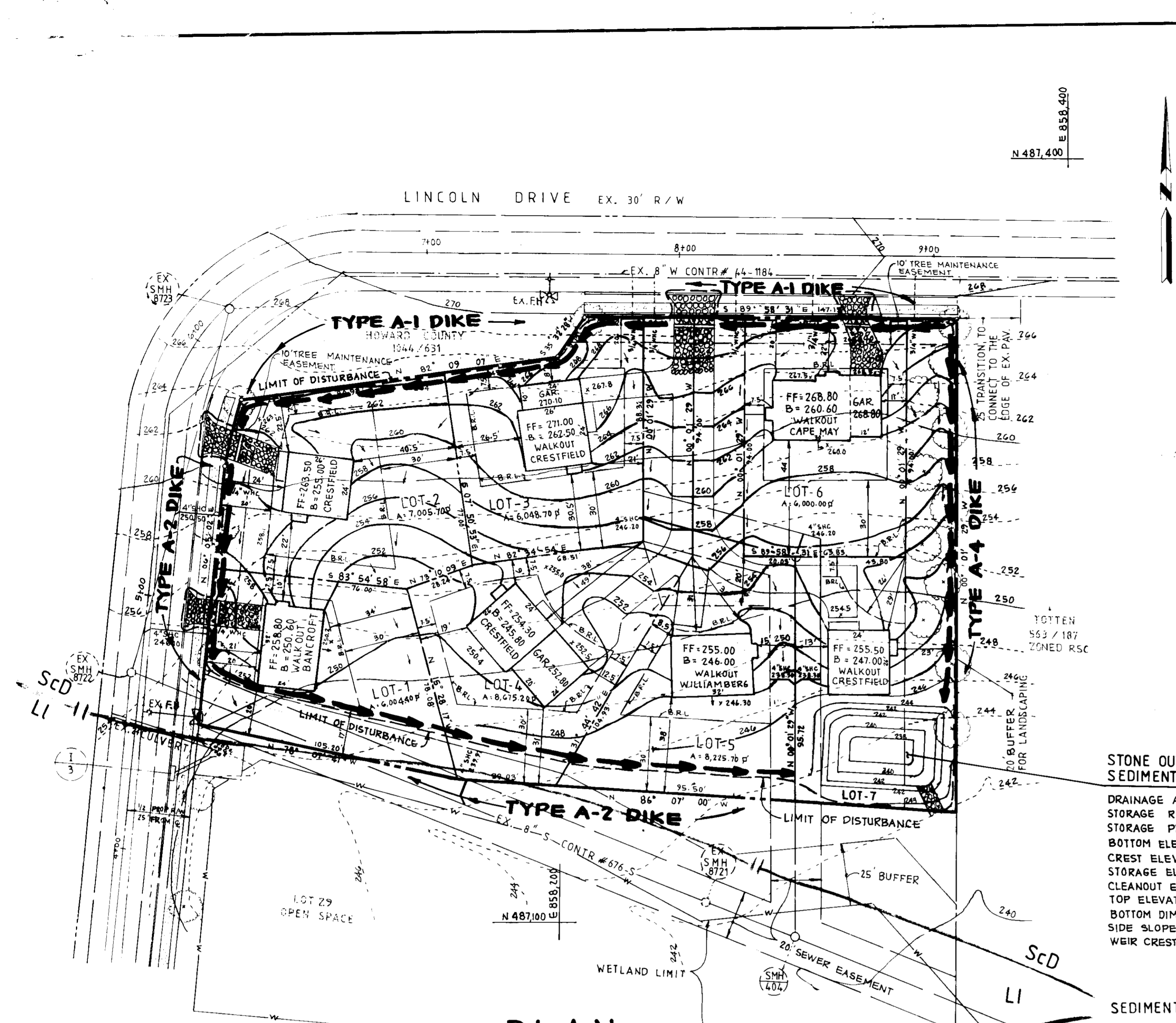
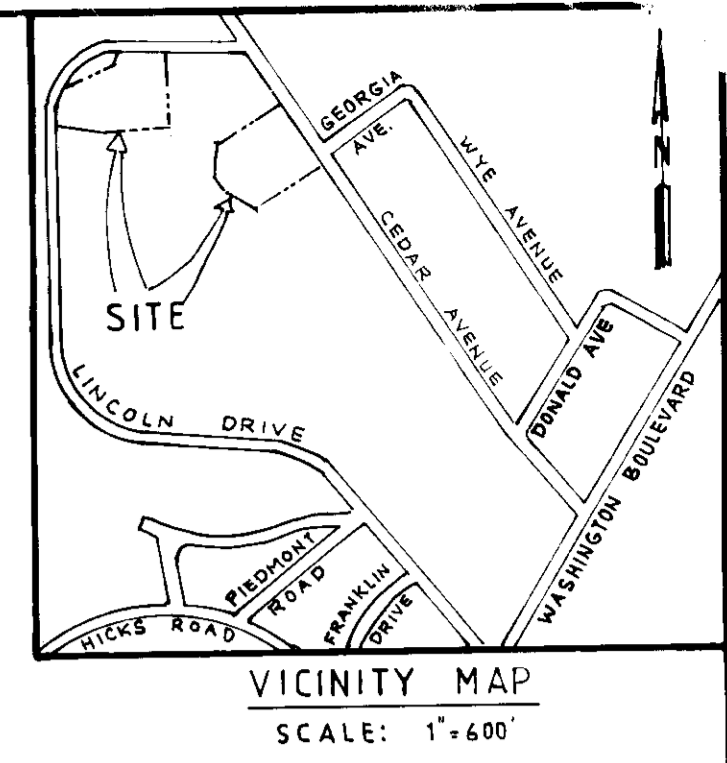
[Signature] 10-3-90
SIGNATURE OF ENGINEER DATE

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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

[Signature] 10-3-90
SIGNATURE OF DEVELOPER DATE

SUBDIVISION NAME: CEDAR II	SECTION: 1	PARCEL: 337 & 452
PLAT NO: 10045	BLOCK NO: 8	TAX MAP: 43
WATER CODE: B02	SEWER CODE: 3330000	ELEC. DIST. (CENSUS TR.): 6TH
DESIGNED BY: V.S.	SITE DEVELOPMENT PLAN CEDAR II SECTION-1	
DRAWN BY: V.S.	LOTS 1 TO 7 & 24 TO 28	
CHECKED BY: M.S.	TAX MAP 43, PARCEL 337 & 452	
	6TH ELECTION DISTRICT	
	HOWARD COUNTY, MD.	
	DATE: 8-01-91 SHEET: 1 OF 3	
	DEVELOPER	
	THAMES INVESTMENT GROUP LTD.	
	3701 COURT HOUSE DR.	
	ELLCOTT CITY, MD. 21043	



STONE OUTLET SEDIMENT TRAP NO.1
 DRAINAGE AREA = 1.15 AC.
 STORAGE REQUIRED = 2,070 C.F.
 STORAGE PROVIDED = 2,192 C.F.
 BOTTOM ELEVATION = 230
 CREST ELEVATION = 242
 STORAGE ELEVATION = 241
 CLEANOUT ELEVATION = 239.50
 TOP ELEVATION = 243
 BOTTOM DIMENSION = 24'x10'
 SIDE SLOPE = 2:1
 WEIR CREST WIDTH = 5'

STONE OUTLET SEDIMENT TRAP NO.2
 DRAINAGE AREA = 0.80 AC.
 STORAGE REQUIRED = 1,440 C.F.
 STORAGE PROVIDED = 1,456 C.F.
 BOTTOM ELEVATION = 221
 CREST ELEVATION = 226
 STORAGE ELEVATION = 225
 CLEANOUT ELEVATION = 223
 TOP ELEVATION = 227
 BOTTOM DIMENSION = 5'x2'
 SIDE SLOPE = 1:1
 WEIR CREST WIDTH = 4'

- SEDIMENT AND EROSION CONTROL LEGEND**
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - x 245 SPOT ELEVATION
 - S- SILT FENCE
 - [Hatched Box] STABILIZED CONSTRUCTION ENTRANCE
 - == DIKE
 - [Dashed Box] MOUNTABLE BERM
 - LIMIT OF DISTURBANCE
 - DRAINAGE AREA

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
 2. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT 792-7272, A MINIMUM OF 24 HOURS PRIOR TO START OF ANY WORK.
 3. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 4. INSTALL SEDIMENT AND EROSION CONTROL MEASURES.
 5. CONSTRUCT SEDIMENT TRAP NO.1 AND NO.2.
 6. CLEAR AND ROUGH GRADE THE SITE.
 7. CONSTRUCT HOUSES AND DRIVEWAYS EXCEPT ON LOTS 7 & 28.
 8. DURING THE CONSTRUCTION AND AFTER EACH RAINFALL THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT & EROSION CONTROL STRUCTURES SHOWN HEREON.
 9. DURING CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE SEDIMENT FROM THE SEDIMENT TRAPS WHEN THE CLEANOUT ELEVATIONS HAVE BEEN REACHED.
 10. STABILIZE ALL THE DISTURBED AREAS.
 11. CONSTRUCT HOUSES AND DRIVEWAYS ON LOTS 7 & 28.
 12. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTORS, REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES ONCE ALL THE AREAS DRAINING TO THEM ARE PERMANENTLY STABILIZED.

SEDGHI & ASSOCIATES LTD.
 ENGINEERS - SITE PLANNERS - SURVEYORS
 3217 CORPORATE COURT
 ELLICOTT CITY MARYLAND, 21043
 301 750-9003

HOWARD COUNTY SOIL MAP # 30

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT <i>[Signature]</i> 9/13/91 COUNTY HEALTH OFFICER DATE	REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. <i>[Signature]</i> 9/14/91 SOIL CONSERVATION SERVICE DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING <i>[Signature]</i> 9/16/91 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE	THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. <i>[Signature]</i> 9/13/91 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>[Signature]</i> 9/10/91 DIRECTOR DATE	<i>[Signature]</i> 9/9/91 CHIEF, BUREAU OF ENGINEERING DATE

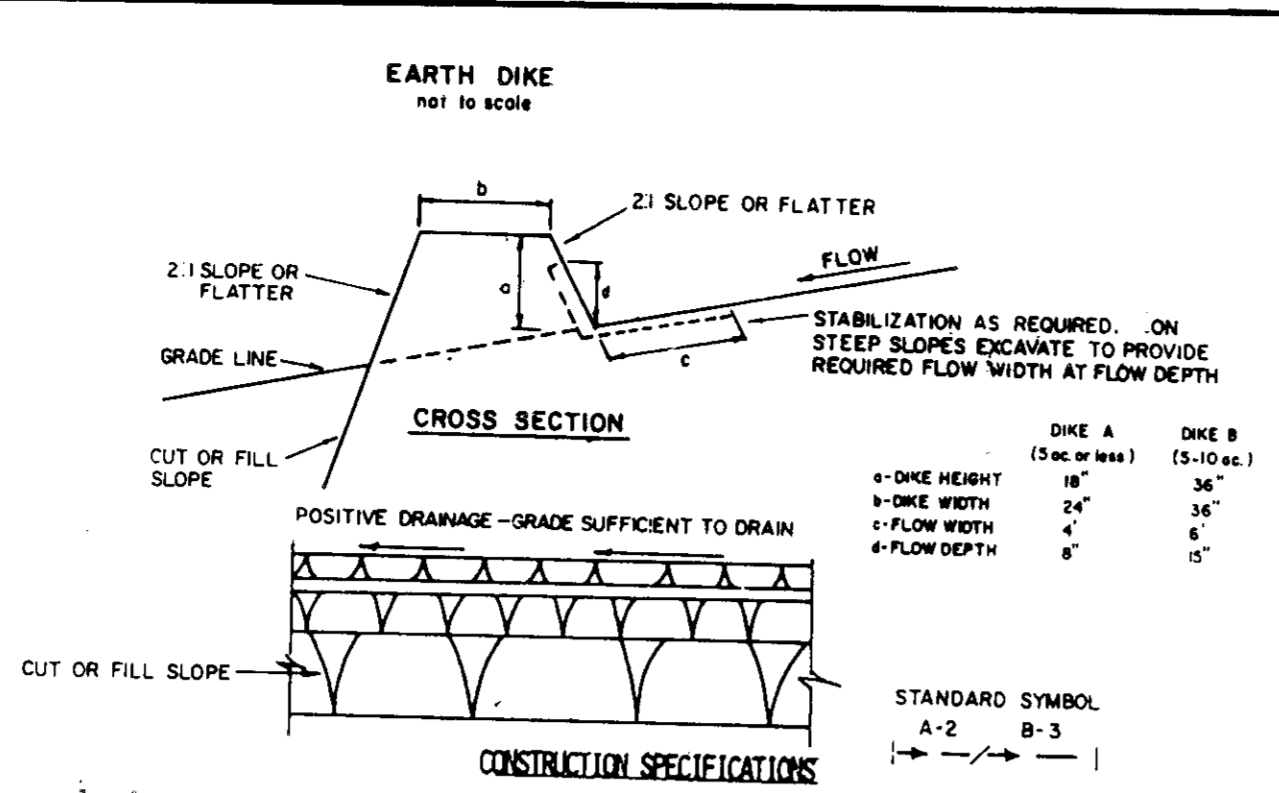
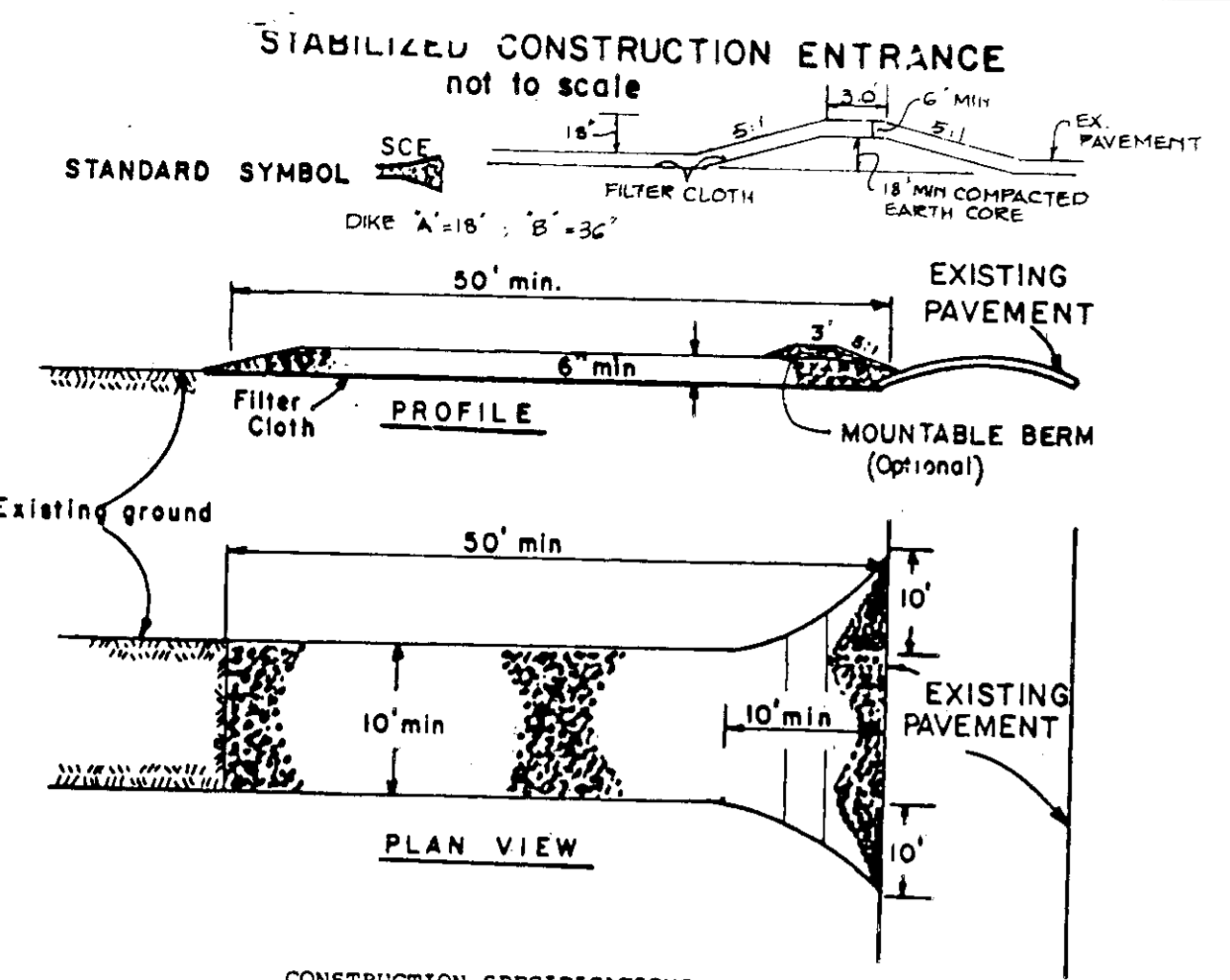
REVISION		
BY	DESCRIPTION	DATE
V.S.	REVISE HOUSE - LOT-5	

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.
[Signature]
 SIGNATURE OF ENGINEER DATE 10-3-90

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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
[Signature]
 SIGNATURE OF DEVELOPER DATE

THAMES INVESTMENT GROUP, LTD.
 by *[Signature]* P.E.S.
 SIGNATURE OF DEVELOPER DATE

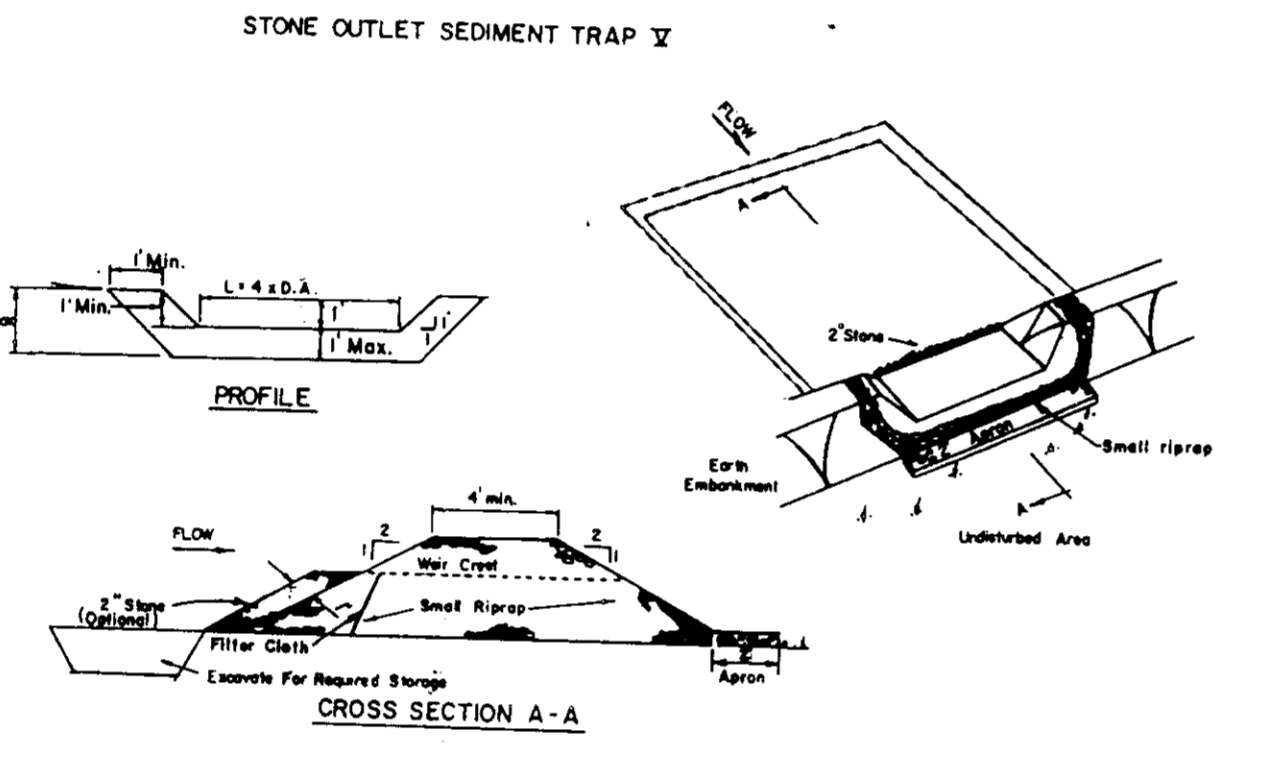
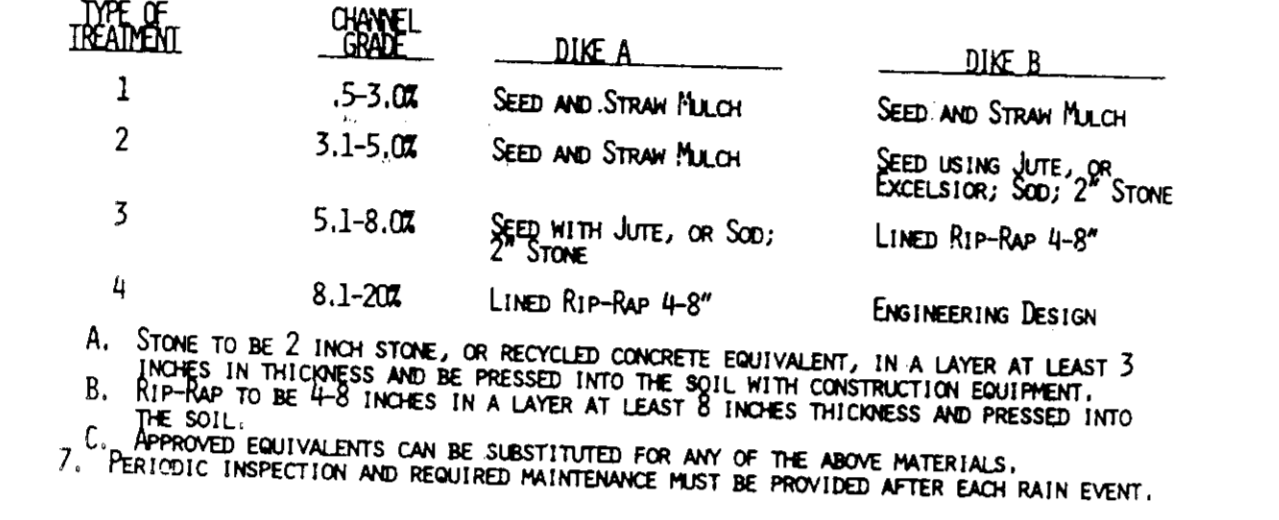
SUBDIVISION NAME: CEDAR II	SECTION: 1	PARCEL: 397 & 452
PLAT NO. 10045	BLOCK NO. 8	ZONE: RSC
TAX MAP: 43	ELEC. DIST. 67H	CENSUS TR. 6064
DESIGNED BY: V.S.	SEWER CODE: 3330000	WATER CODE: B02
DRAWN BY: V.S.	SEDIMENT CONTROL PLAN	
CHECKED BY: M.S.	CEDAR II SECTION - 1	
	LOTS 1 TO 7 & 24 TO 28	
	TAX MAP 43 PARCELS 397 & 452	
	67H ELECTION DISTRICT	
	HOWARD COUNTY, MD.	
	DATE: 8-01-91 SHEET: 2 OF 3	
	DEVELOPER	
	THAMES INVESTMENT GROUP LTD.	
	3701 COURT HOUSE DR.	
	ELLICOTT CITY, MD. 21043	
	SDP-91-01	



- 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 placing of stone. Filter will not be required on a single family residence lot.
 - 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.
 - 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.
 - 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.
 - Periodic inspection and needed maintenance shall be provided after each rain.

FLOW CHANNEL STABILIZATION

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



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven 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 2' 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 'mats' develop in the silt fence.
- POSTS:** STEEL, EITHER T OR U TYPE OR 1 1/2" x 2" MIN (ACTUAL) HARDWOOD.
- FENCE:** WOVEN WIRE, 1/4" GA. 6" MAX. HOLE OPENING HIGH STRENGTH POLYPROPYLENE NETTING.
- FILTER CLOTH:** FILTER, HIGH STRENGTH POLYPROPYLENE NETTING, LINK 1/4" OR APPROVED EQUAL.
- PREFABRICATED UNIT:** GEOTEX, ENVIRONMENT, OR APPROVED EQUAL.

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, disking or other acceptable means before seeding, if not previously loosened.

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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disk 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 disk 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 Pescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Pescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Pescue 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 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 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.

Seedbed preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: -- Apply 60 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 October 15, seed with 2-1/2 bushels 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.

GENERAL NOTES

- Refer to "1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control" for standard details and detailed specifications of each practice specified herein.
- With the approval of the sediment control inspector, minor field adjustments can and will be made to insure the control of any sediment. Changes in sediment control practices require prior approval of the sediment control inspector and the HOWARD County Soil Conservation District.
- At the end of each working day, all sediment control practices will be inspected and left in operational condition.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, water, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1); and (b) fourteen days as to all other disturbed or graded areas on the project site.
- Any change to the grading proposed on this plan requires re-submission to HOWARD County Soil Conservation District for approval.
- Dust control will be provided for all disturbed areas. Refer to 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control, pp 62.01 and 62.02 for acceptable methods and specifications for dust control.
- Any variation from the sequence of operations stated on this plan requires the approval of the sediment control inspector and the County Soil Conservation District prior to the initiation of the change.
- Excess cut or borrow material shall go to or come from respectively, a site with an approved sediment control plan. The following item may be used as applicable:
- Refer to "Maryland's Guidelines to Waterway Construction" by the Water Resources Administration (WRA), dated January, 1986 for standard details and detailed specifications of each practice specified herein for waterway construction.

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOD

- SPECIFICATIONS**
- Class of turfgrass sod shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved sod.
 - Sod shall be machine cut at a uniform soil thickness of 3/4 inch, plus or minus 1/4 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.
 - Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
 - Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5%. Broken pads and torn or uneven ends will not be acceptable.
 - Sod shall not be harvested or transported when moisture content (excessively dry or wet) may adversely affect its survival.
 - Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved prior to its installation.

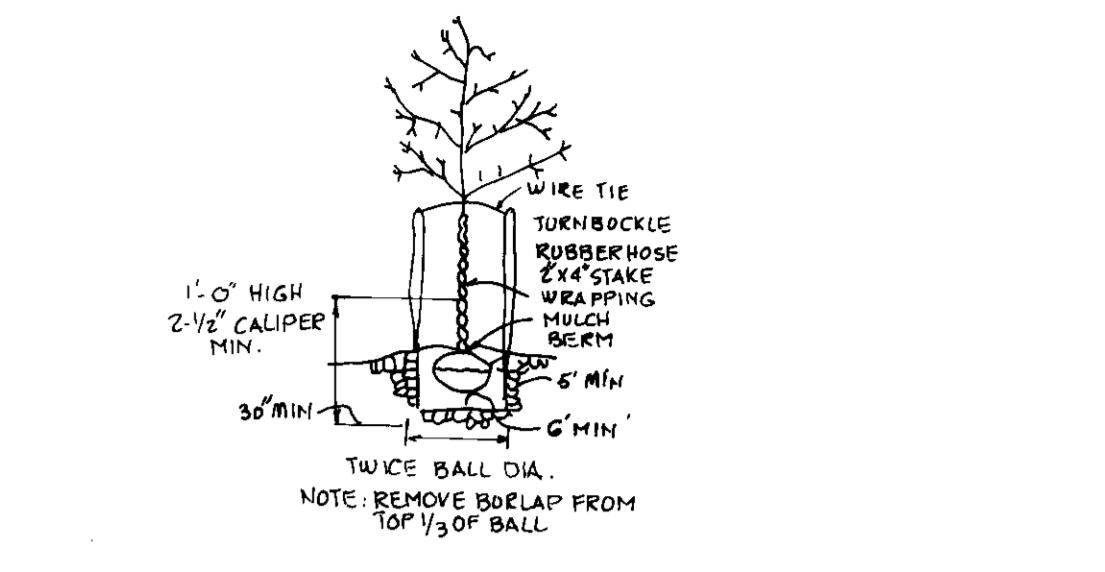
SITE PREPARATION

- Fertilizer and lime application rates shall be determined by soil tests. Under unusual circumstances where there is insufficient time for a complete soil test, fertilizer and lime materials may be applied in amounts shown under B, below.
- Prior to seeding, the surface shall be cleared of all trash, debris, and of all roots, brush, wire, grade stakes and other objects that would interfere with planting, fertilizing or maintenance operations.
- Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 2 tons/acre or 100 pounds per 1,000 square feet. In all soils 1,000 pounds per acre or 25 pounds per 1,000 square feet of 10-10-10 fertilizer or equivalent shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.
- All areas receiving sod shall be uniformly fine graded. Hard-packed earth shall be scarified prior to placement of sod.

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.
- 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 EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (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.
- 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	1.96	Acres
Area Disturbed	1.45	Acres
Area to be roofed or paved	0.33	Acres
Area to be vegetatively stabilized	1.62	Acres
Total Fill	600	Cu. Yds
Offsite waste/borrow area location	N/A	
- 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 DPW 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.
- The total amount of straw bale/dikes silt fence equals 1,260 L.F.



TREE PLANTING

N.T.S.

NOTE: THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS, SUBSTITUTION TO THE ABOVE SPECIES MAY BE PERMITTED, PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

○ DENOTES APPROXIMATE LOCATION OF ACER SACCHARUM (SUGAR MAPLE) 2 1/2" CALIPER.

QUANTITIES 44

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: [Signature] 9-13-91 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 DIRECTOR: [Signature] 9/16/91 DATE
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR: [Signature] 9/10/91 DATE
 CHIEF, BUREAU OF ENGINEERING: [Signature] 9-9-91 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SOIL CONSERVATION SERVICE: [Signature] 9/14/91 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD COUNTY SOIL CONSERVATION DISTRICT: [Signature] 9/13/91 DATE

NUMBER	REVISION	DATE	BY

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.
 [Signature] M. Sedghi
 SIGNATURE OF ENGINEER DATE 10-3-90

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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
 THAMES INVESTMENT GROUP, LTD.
 by Barry Williamson, PRES.
 SIGNATURE OF DEVELOPER DATE

SEDGHI & ASSOCIATES, LTD.
 Civil Engineers - Site Planners - Surveyors
 3217 Corporate Court
 Ellicott City, MD 21043
 (301) 750-9003

SEDIMENT CONTROL DETAIL
 CEDAR II, SECTION I
 LOTS 1 TO 7 & 24 TO 28
 TAX MAP 43, PARCEL 397 & 452
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 DATE: 8-01-91 SHEET 3 OF 3

DEVELOPER
 THAMES INVESTMENT GROUP LTD.
 3701 COURT HOUSE DR.
 ELLICOTT CITY, MD., 21043