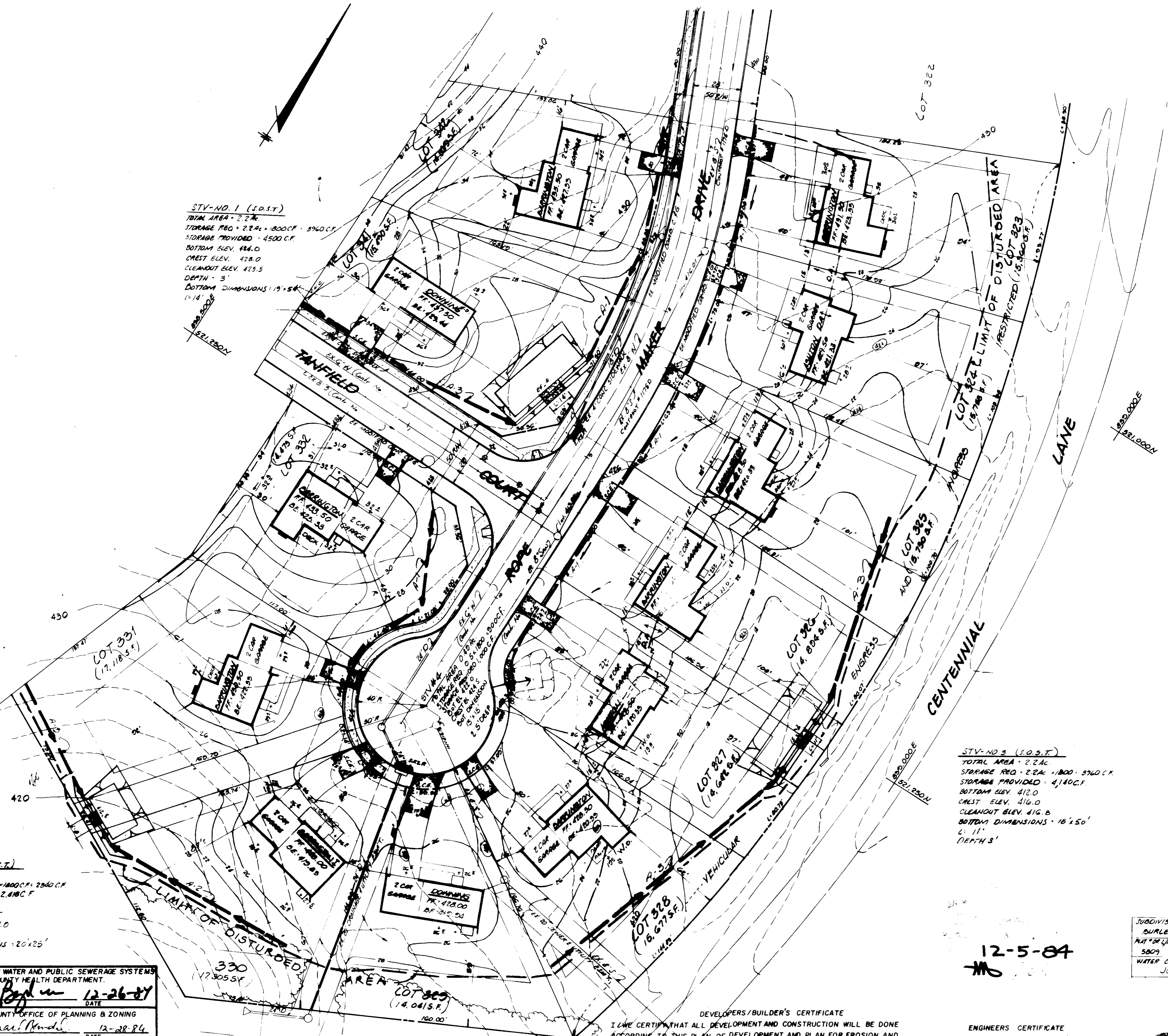


**VICINITY MAP**  
SCALE: 1" = 2000'

**GENERAL NOTES**

- 1) THE LAND INCLUDED IS ZONED R-20
- 2) COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY POINT NO. 2843001 AND NO. 8548002
- 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP # 30 (PAGES 90)
- 4) THE TOTAL AREA ON THIS PLAN IS 300,000 SQ. FT. (6.83 AC.)
- 5) ALL ROADS ARE PUBLIC AND EXISTING.
- 6) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
- 7) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 19, (LOT 300 NOT INC.)
- 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.



**STY-NO. 1 (10.5T)**  
TOTAL AREA - 2.2 AC.  
STORAGE REQ. - 224,1800 CF - 5940 CF  
STORAGE PROVIDED - 4500 CF  
BOTTOM ELEV. 414.0  
CREST ELEV. 428.0  
CLEANOUT ELEV. 425.5  
DEPTH - 3'  
BOTTOM DIMENSIONS - 17' x 54'  
12-14

**STY-NO. 3 (10.3T)**  
TOTAL AREA - 2.2 AC.  
STORAGE REQ. - 224,1800 CF - 5940 CF  
STORAGE PROVIDED - 4,140 CF  
BOTTOM ELEV. 412.0  
CREST ELEV. 416.0  
CLEANOUT ELEV. 416.8  
BOTTOM DIMENSIONS - 16' x 50'  
L: 11'  
DEPTH 3'

**STY-NO. 2 (10.2T)**  
TOTAL AREA - 1.5 AC.  
STORAGE REQ. - 134,1800 CF - 2340 CF  
STORAGE PROVIDED - 2,480 CF  
BOTTOM ELEV. 412.5  
CREST ELEV. 416.5  
CLEANOUT ELEV. 414.0  
DEPTH - 5'  
BOTTOM DIMENSIONS - 20' x 25'  
L: 8

LOT NO.	ADDRESS	CURT	STREET ADDRESS
323	10137		ROPE MAKER DRIVE
324	10141		"
325	10145		"
326	10149		"
327	10153		"
328	10157		"
329	10161		"
330	10165		"
331	10169		"
332	10173		"
333	10177		"
334	10181		"
335	10185		TANFIELD COURT
336	10189		"
337	10193		"
338	10197		"
339	10201		"
340	10205		"
341	10209		"
342	10213		"

JURISDICTION NAME	SEC./AREA	LOT/PARCEL #
BURLEIGH MANOR	4/5	323-342
PLAT #/DATE	BLOCK	TAX BONE MAP
5809	15	R-20
WATER CODE	SEWER CODE	CENSUS TR.
JO1	3041200	2102.01

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT.  
*[Signature]* 12-26-84  
COUNTY HEALTH OFFICER  
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*[Signature]* 12-28-84  
PLANNING DIRECTOR  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
12-17-84  
DIRECTOR  
CHIEF BUREAU OF ENGINEERING 12-12-84

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*[Signature]* 12-17-84  
SIGNATURE DATE  
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*[Signature]* 12-17-84  
APPROVED DATE  
SIGNATURE OF DEVELOPER/BUILDER DATE

**DEVELOPERS/BUILDER'S CERTIFICATE**  
I HEREBY 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.

**ENGINEERS 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  
12-27-84  
LAND SURVEYOR DATE



**LAND DESIGN ASSOCIATES**  
416 EAST JOPPA ROAD  
TOWSON MARYLAND 21204  
(301) 321-0112

DESIGNED	R.L.W.	<b>SITE DEVELOPMENT &amp; SEDIMENT CONTROL PLAN</b> <b>BURLEIGH MANOR</b> SHEET 4 OF 3 6875 300 TANFIELD COURT (NOT INC.)	SCALE	1" = 30'	
DRAWN	R.L.W.		DRAWING	1 OF 3	
CHECKED	R.L.W.		JOB NO.		
DATE	12/12/84		FOR:	GRAYSON HOMES, INC. 6318 JOHNNYCAKE ROAD BALTIMORE, MD, 21207	FILE NO.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT.  
 COUNTY HEALTH OFFICER: *James Boyle* DATE: 12-26-84  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *Paul Huddle* DATE: 12-28-84  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *William S. Gray* DATE: 12-18-84  
 CHIEF BUREAU OF ENGINEERING: *William S. Gray* DATE: 12-18-84

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY MARYLAND  
 DATE 12-5-84  
 REVIEWED FOR HOWARD S.C.D. AND  
 MEETS TECHNICAL REQUIREMENTS  
 SIGNATURE: *William S. Gray* DATE: 12-11-84  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT CONTROL  
 BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 SIGNATURE: *William S. Gray* DATE: 12-17-84  
 APPROVED

DEVELOPERS/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.

ENGINEERS 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.



SIGNATURE OF DEVELOPER / BUILDER DATE LAND SURVEYOR DATE

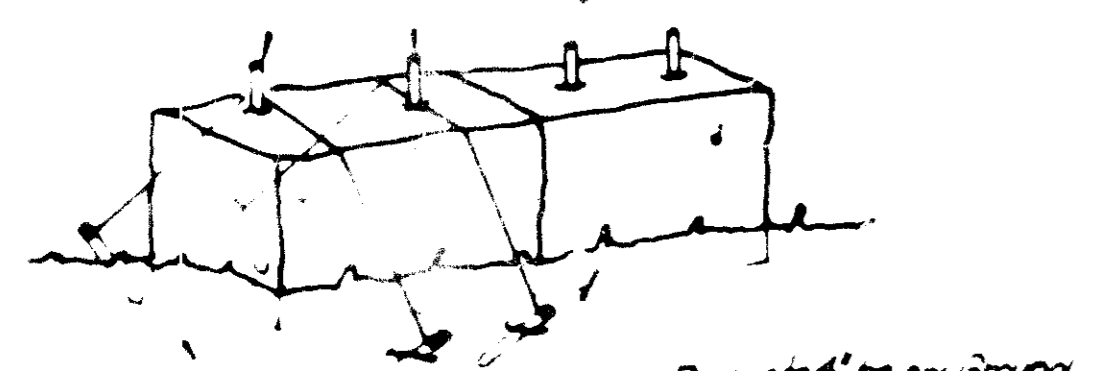
ENGINEERING LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT		LAND DESIGN ASSOCIATES 416 EAST JOPPA ROAD TOWSON MARYLAND 21204 (301) 321-0112	
DESIGNED R.L.W.	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN <b>BURLEIGH MANOR</b> SHEET 4 AREA 5 LOTS 333 THROUGH 340 (LOT 333 NOT INCL) 2ND ELECTRIC DISTRICT HOWARD COUNTY, MD		SCALE 1" = 30'
DRAWN R.L.W.			DRAWING 2 OF 3
CHECKED R.L.W.			JOB NO.
DATE 12/12/84	FOR: GRAYSON HOMES, INC. 6318 JOHNNYCAKE ROAD BALTIMORE, MD 21207	FILE NO.	

**GENERAL NOTES**

- Grading Permits shall be obtained prior to installation of Sediment Control & Grading
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #8 for stabilization except that the seed mixture will be annual type applied at a rate of 1.4 lbs/1000 sq ft.
- Notify the Bureau of Inspections and Permits at least 24 hrs before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
  - Permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures (see construction notes) and all areas greater than 2 1/2' x 14' shall be kept until otherwise instructed, unless noted on the project site.
  - All grading shall be treated in accordance with the following Specifications:
    - Seed - certified 85% germination applied at the rate of 5 lbs/1000 sq ft. Mixture 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
    - Fertilizer - 10-10-10 applied at a rate of 25 lbs/1000 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sq ft.
    - Mulch - Weed free grain straw applied at a rate of 7-8 cubic yards/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e. asphalt tack, chemical binder, etc.
    - All Seed used shall be Maryland State Certified.
- All Structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On-Site Inspection and Maintenance of all Sediment Control Measures including cleaning of Sediment Traps and dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- House are to be constructed on an "As Sold" basis at random, Single Lot Sediment Control as shown on this sheet, shall be implemented.
- Total Amount of
 

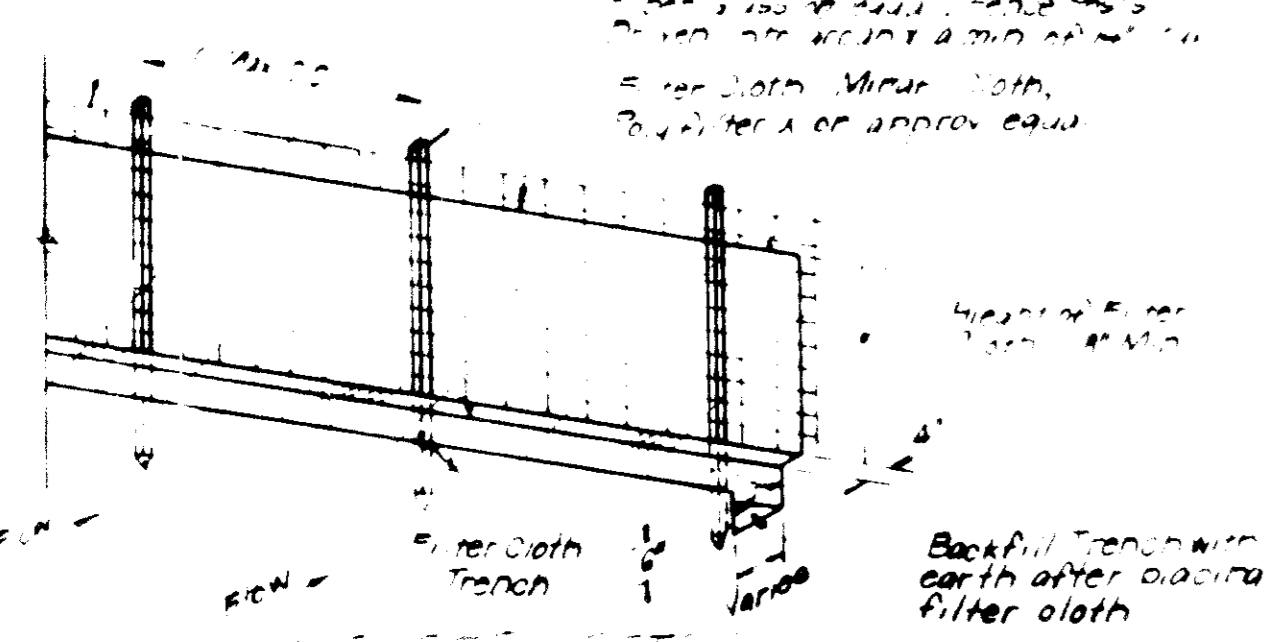
A	Total Area	7.07	Acres
B	Area to be Seeded	6.55	Acres
C	Area to be Paved	0.55	Acres
D	Area to be Seeded	4.00	Acres
E	Area Undisturbed	2.07	Acres
- CONSTRUCTION SEQUENCE
  - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes
  - Excavate for Foundations and Rough Grade
  - Erect Structures, Driveways and Sidewalks
  - Final Grade and Stabilize in accordance with note #6.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste from this site.
- Final construction shall be in accordance with the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

4" x 4" x 1/2" wooden stakes driven through each hole 1/2" into ground. Reeds to be driven flush with top of stakes.

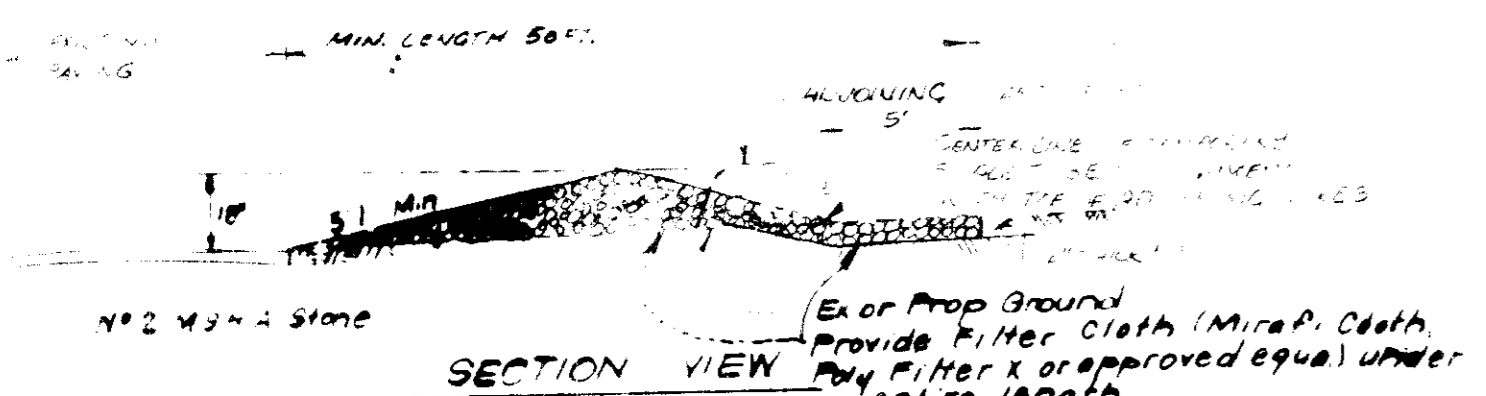


**TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)**  
Scale

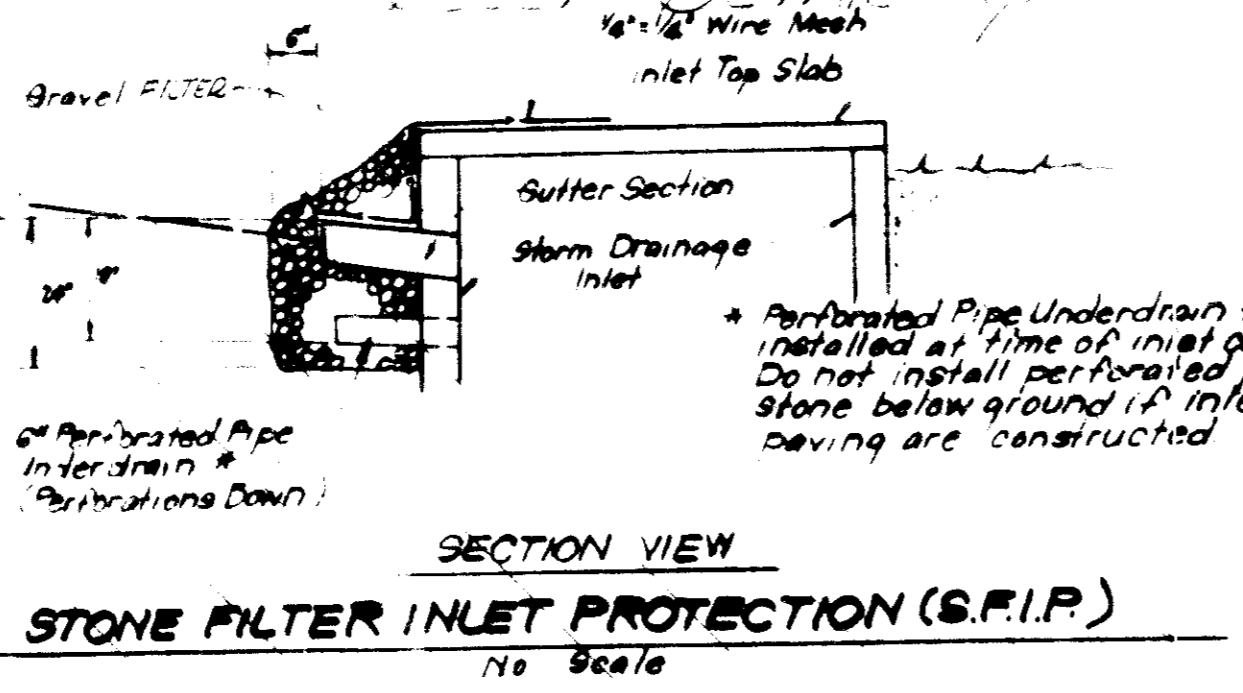
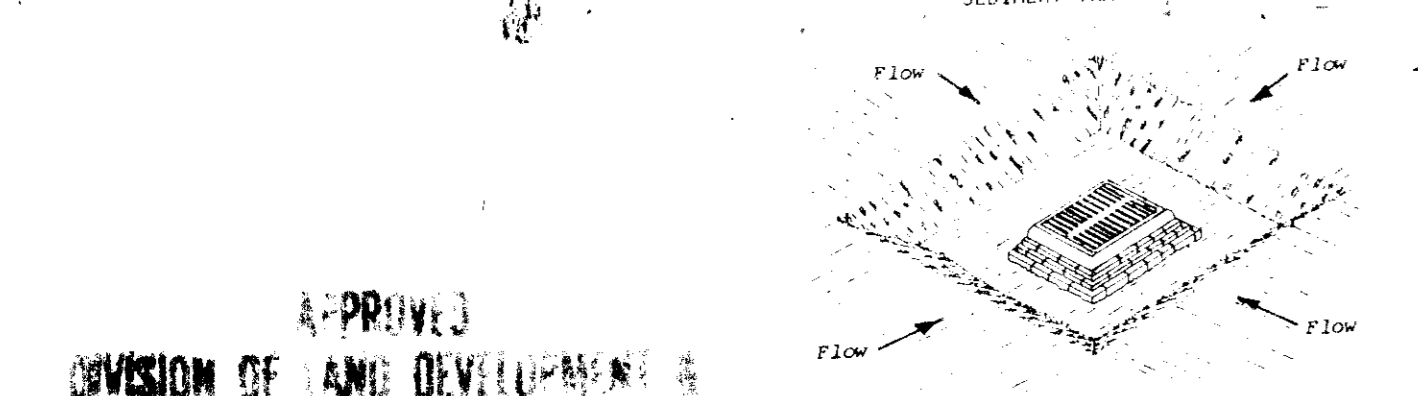
Woven Wire Fence Min. 4 gauge, 6" Max. Spacing



**TYPICAL SILT FENCE DETAIL (S.F.)**  
No Scale

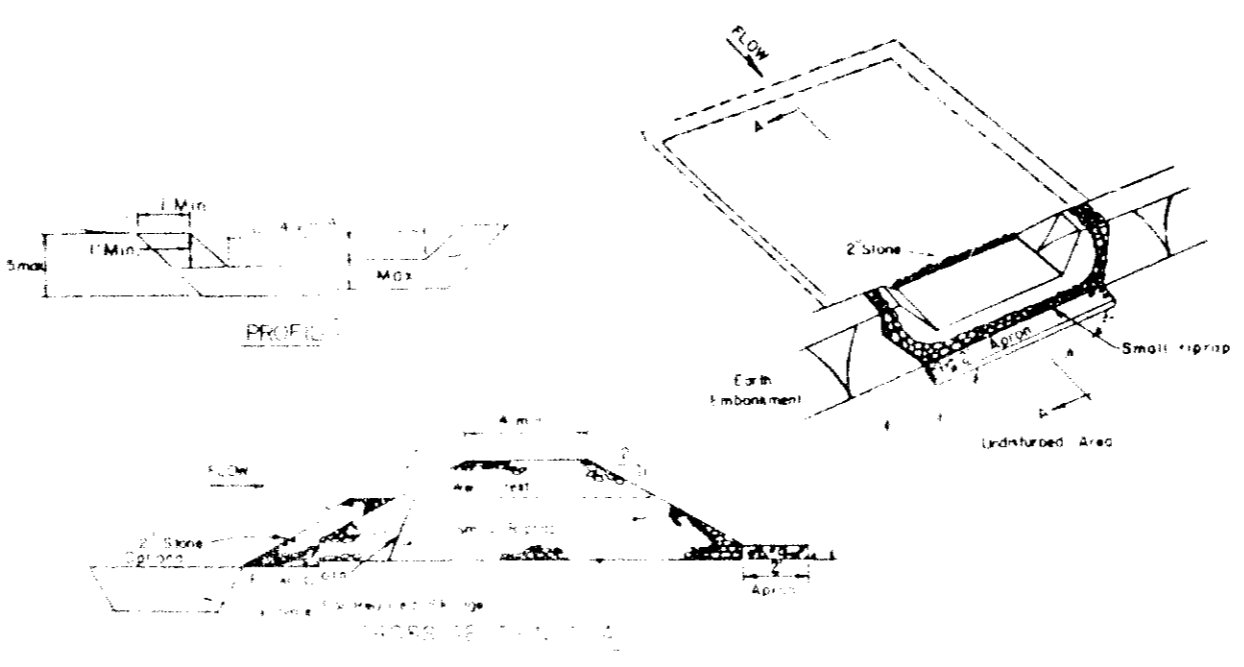


**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale

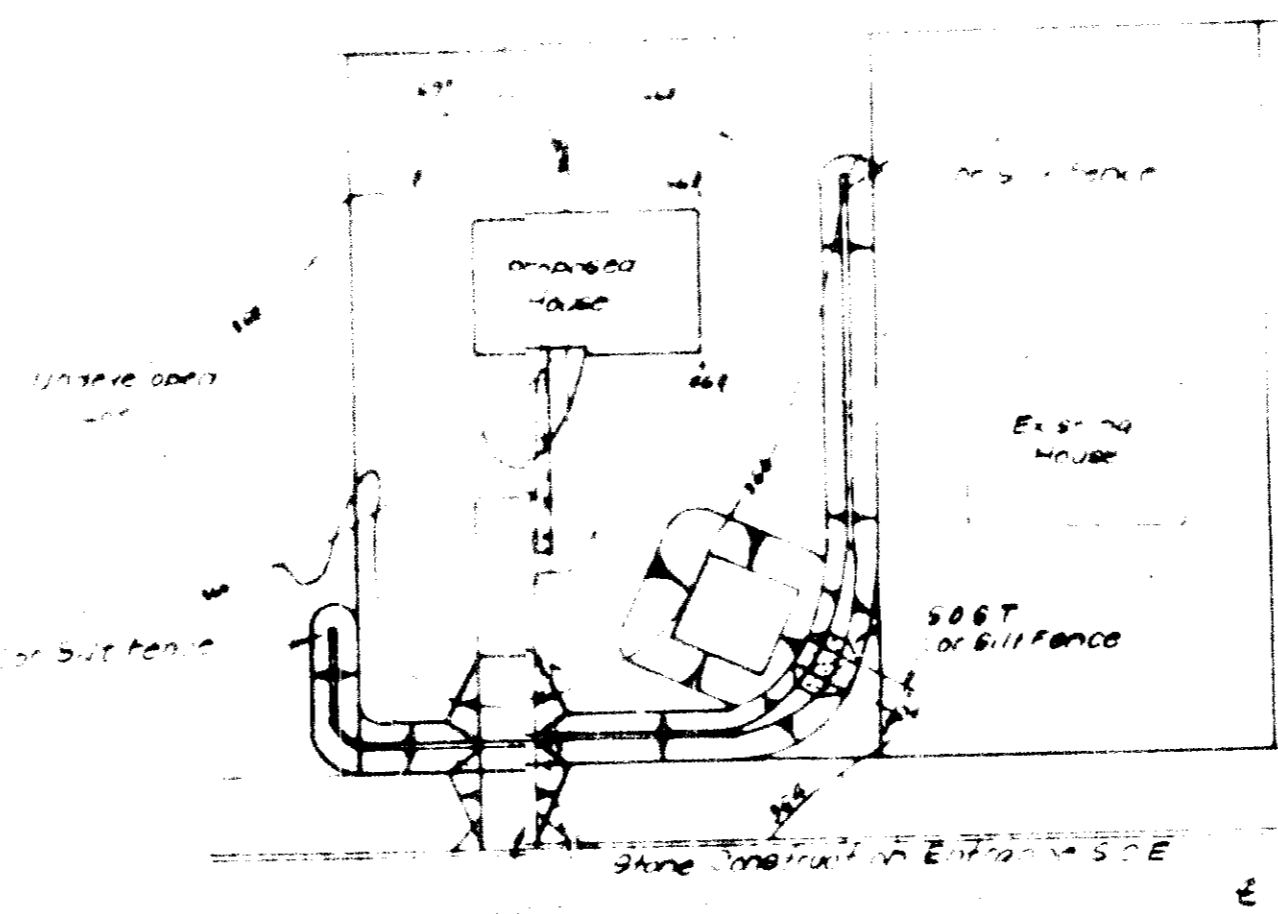


**STONE FILTER INLET PROTECTION (S.F.I.P.)**  
No Scale

STONE OUTLET SEDIMENT TRAP

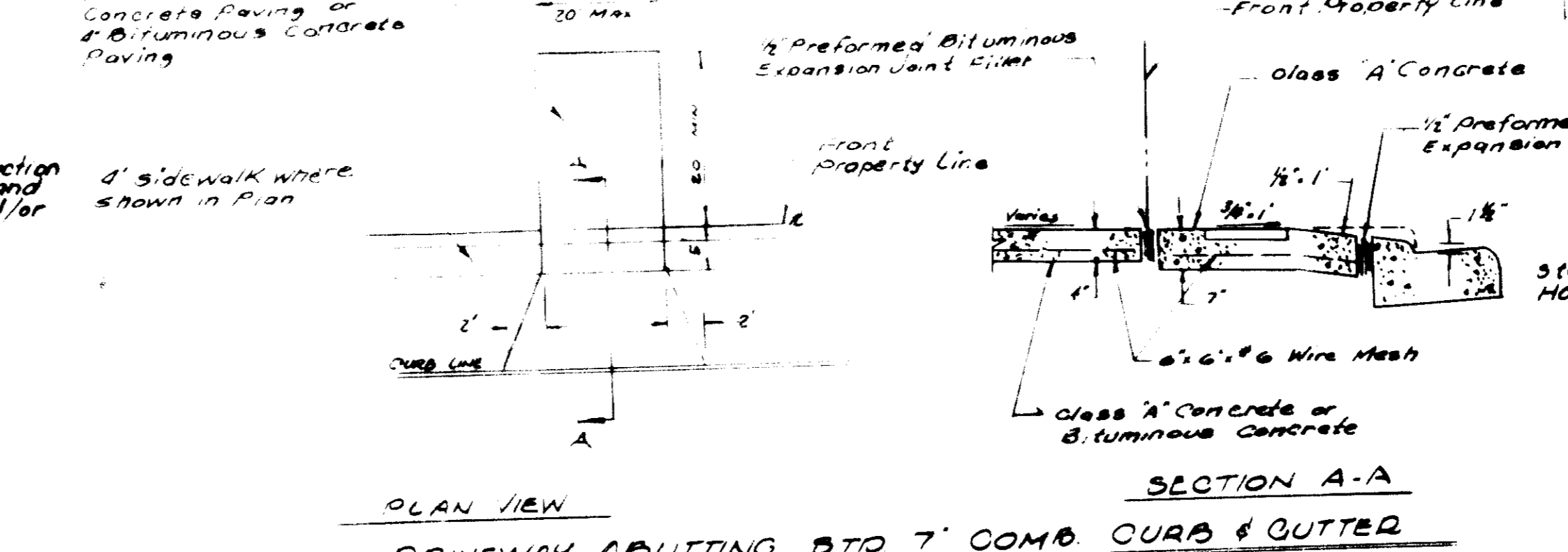


STONE OUTLET SEDIMENT TRAP



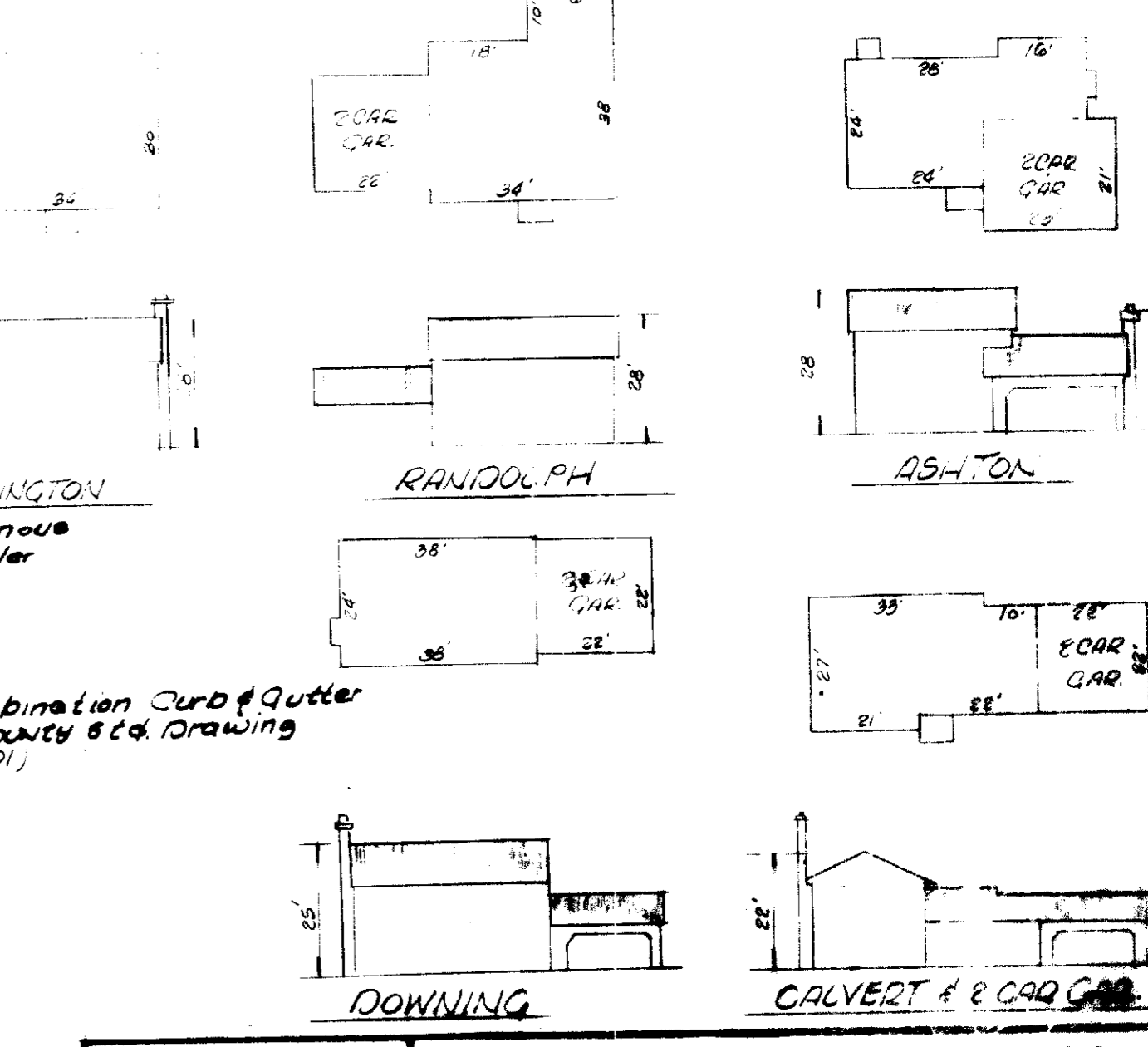
**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale

Note: Materials and Construction shall be in accordance with Howard County Road Construction Code.

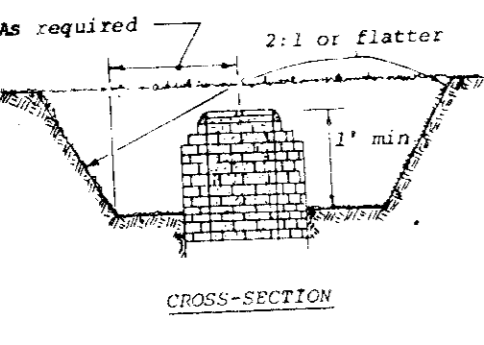


**DRIVEWAY ABUTTING 5 TO 7' CURB & GUTTER**  
No Scale

**"TYPICAL HOUSE TYPES"**



APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
DATE: 12-5-84  
MO



**STORM INLET SEDIMENT TRAP**

- 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 repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and siltation shall be minimized.
- The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
- All cut and fill slopes shall be 2:1 or flatter.

Reviewed for HOWARD S.C.D.  
Name: *James H. Hahn*  
Signature: *James H. Hahn*  
Date: 12-17-84  
U.S. Soil Conservation Service

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

Approved: *Stephen L. Hahn*  
Date: 12-17-84

**DEVELOPER'S CERTIFICATE**

I certify that all development and/or construction is in accordance with the plan of development and plan for Erosion and Sediment Control, and that all reasonable persons involved in the construction project will have a certificate of attendance at a "Soil Conservation District" approved training program for the control of sediment and erosion control. After beginning the project, I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as deemed necessary.

Signature: *James H. Hahn*  
Date: 12-17-84

**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: *Walter J. Hahn*  
Date: 12-17-84



- engineering
- landscape design
- conservation contracting
- development cost
- property development

LAND DESIGN ASSOCIATES  
416 EAST JOPPA ROAD  
TOWSON MARYLAND 21284  
(301) 521-0112

DESIGNED BY: R.L.W.  
DRAWN BY: L.D.  
CHECKED BY: R.L.W.  
DATE: 12/17/84

**SITE, SEDIMENT & EROSION CONTROL DETAILS**  
BURLLEIGH MANOR  
SECTION 4 AREA 5  
LOTS 523 THROUGH 542 (LOT 535A IS INC.)  
27th SLEIGHTON DISTRICT  
HOWARD COUNTY, MARYLAND  
CARROLL HOWARD & ASSOCIATES  
5810 JOPPA ROAD  
BALTO MD 21107

SCALE: 1" = 10'  
JOB NO.:  
PLOT NO.: