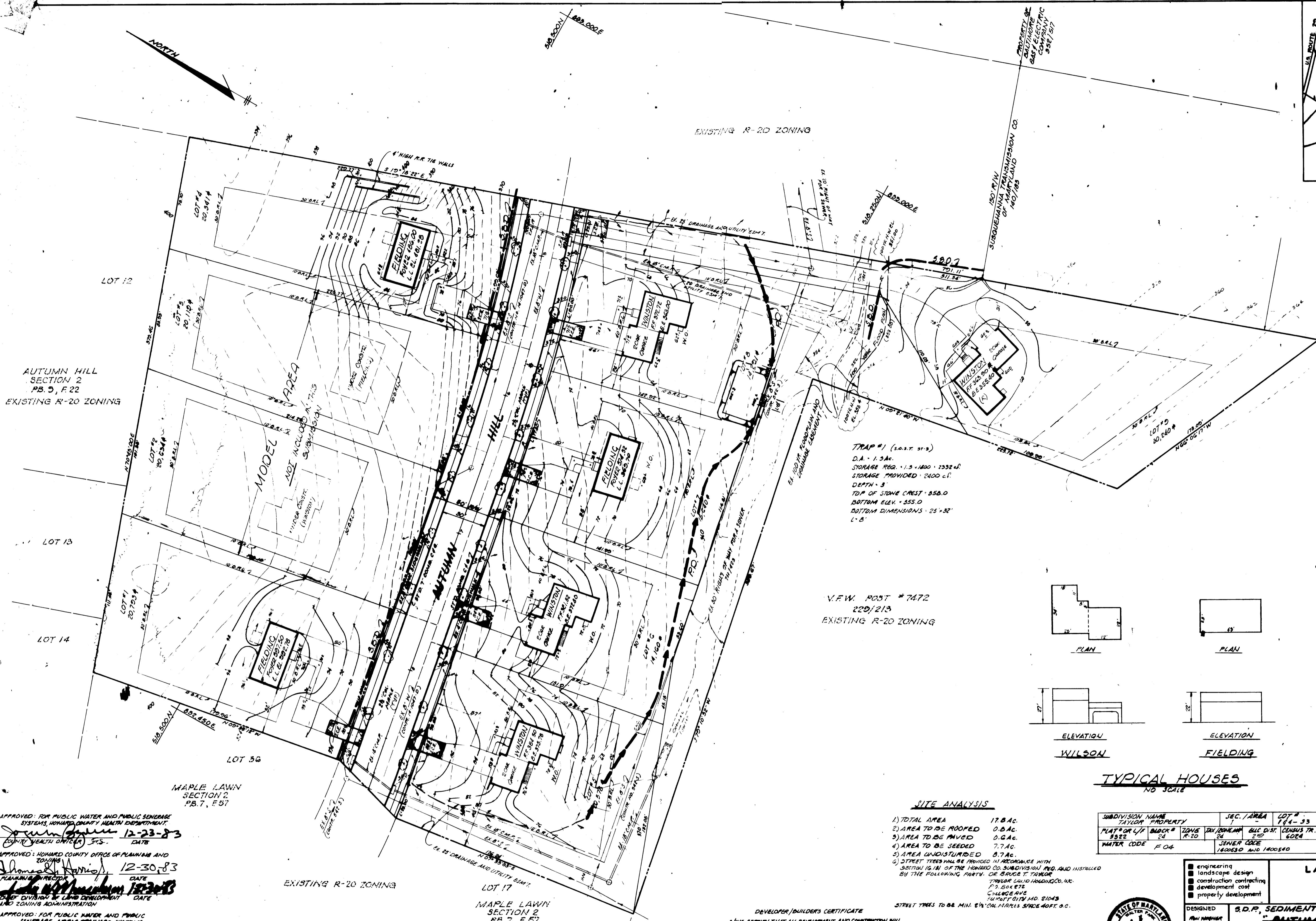
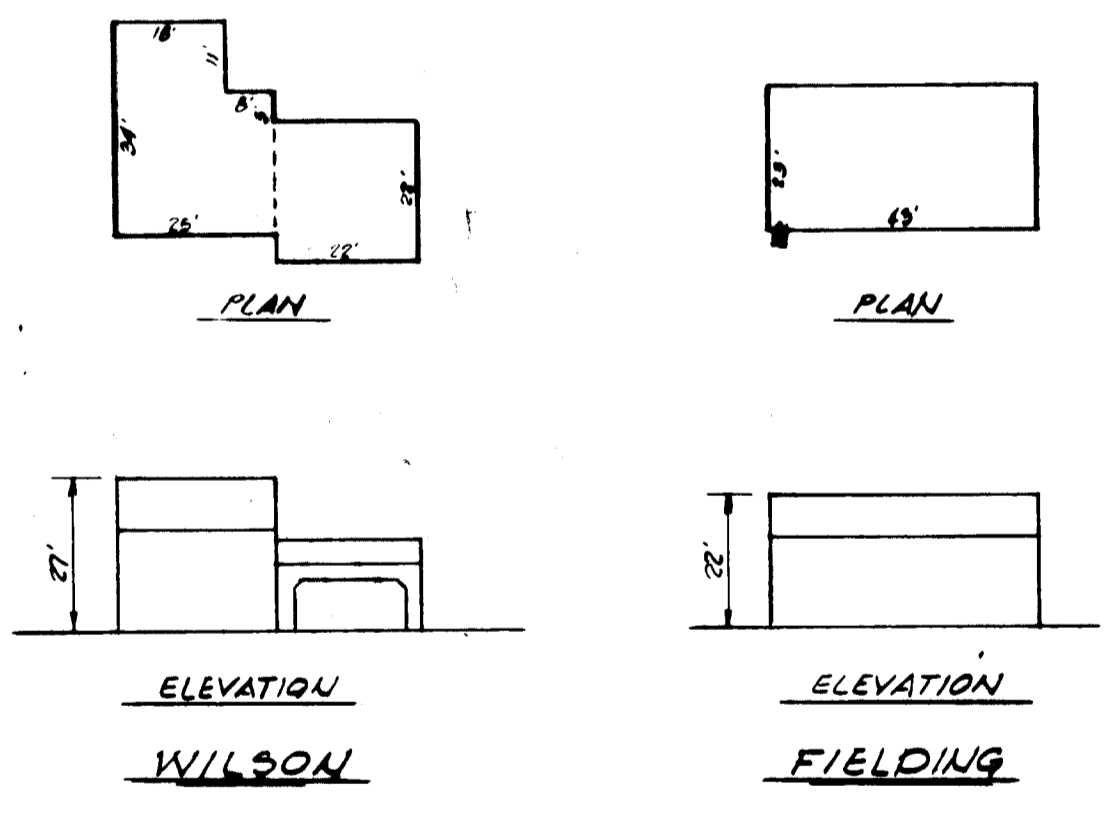


VICINITY MAP
SCALE: 1" = 1200'



TRAP #1 (S.O.S.T. ST-3)
D.A. - 1.2 AC.
STORAGE REQ. - 1.5 - 1.800 - 2532 c.f.
STORAGE PROVIDED - 2400 c.f.
DEPTH - 3'
TOP OF STONE CREST - 550.0
BOTTOM ELEV. - 555.0
BOTTOM DIMENSIONS - 25' x 32'
L - B'

V.F.W. POST # 7472
229/213
EXISTING R-20 ZONING



TYPICAL HOUSES
NO SCALE

SITE ANALYSIS

- 1) TOTAL AREA 17.8 AC.
- 2) AREA TO BE ROOFED 0.6 AC.
- 3) AREA TO BE PAVED 0.6 AC.
- 4) AREA TO BE SEEDED 7.7 AC.
- 5) AREA UNDISTURBED 8.7 AC.
- 6) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.11 OF THE HOWARD CO. SUBDIVISION REG. AND INSTRUCTED BY THE FOLLOWING PARTY OR BRIDGE T TRUCK
TRUCKER LAND HOLDING CO. INC.
179 BOX 878
COLLEGE HAVEN
SUMMIT CITY MD. 21045

SUBDIVISION NAME	PROPERTY	SEC. / AREA	LOT #
TAYLOR	PROPERTY		164 - 33
PLAT # OR L/P	BLK #	ZONE	TAX ZONE
3522	24	R-20	24
WATER CODE	F 04	SEWER CODE	6024
			180250 AND 180050

ADDRESS CHART

LOT NO	STREET ADDRESS
1	6706 AUTUMN HILL DRIVE
2	6702 " " " " " "
3	6770 " " " " " "
4	6774 " " " " " "
5	6769 " " " " " "
6	6770 " " " " " "
7	6775 " " " " " "
8	6771 " " " " " "
9	6767 AUTUMN HILL DRIVE
10	6690 BALI ROAD
11	6655 " " " " " "
12	6657 " " " " " "
13	6641 " " " " " "
14	6645 " " " " " "
15	6649 " " " " " "
16	6659 " " " " " "
17	6657 " " " " " "
18	6671 " " " " " "
19	6675 " " " " " "
20	6677 " " " " " "
21	6683 " " " " " "
22	6674 " " " " " "
23	6670 " " " " " "
24	6662 " " " " " "
25	6656 " " " " " "
26	6654 " " " " " "
27	6680 " " " " " "
28	6646 " " " " " "
29	6638 " " " " " "
30	6638 " " " " " "
31	6634 " " " " " "
32	6630 " " " " " "
33	6626 BALI ROAD

LAND DESIGN ASSOCIATES
416 EAST JOPPA ROAD
TOWSON, MARYLAND 21284
(301) 221-0112



DESIGNED R.L.W.	DATE 10/6/83	S.D.P. SEDIMENT & EROSION CONTROL PLAN "AUTUMN HILL" (RECOGNIZED AS TRAP #1) SECTION 1 LOTS 1 & 4 THRU 33 FOR: GRAYSON HOMES INC. 628 JOHANNYCAKE ROAD BALTIMORE, MD 21207	SCALE 1" = 30'
DRAWN R.L.W.			DRAWING 1 OF 4
CHECKED R.L.W.			JOB NO.
			FILE NO.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 12-23-83
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 12-30-83
PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
[Signature] 12-20-83
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, SEWAGE DISPOSAL SYSTEMS AND PUBLIC UTILITIES HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 12-21-83
DIRECTOR DATE

REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS
[Signature] 12-29-83
DATE

REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS
[Signature] 12-29-83
DATE

REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS
[Signature] 12-29-83
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
[Signature] 12-20-83
DATE

DEVELOPER/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 PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A COURSE OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING OF THE PROJECT. I ALSO AUTHORIZE PROCEEDING ON SITE WITH RESPECT TO THE HOWARD SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED RESITS AS ARE DETAILED INCLUDING
[Signature] 12/14/83
SIGNATURE OF DEVELOPER/BUILDER

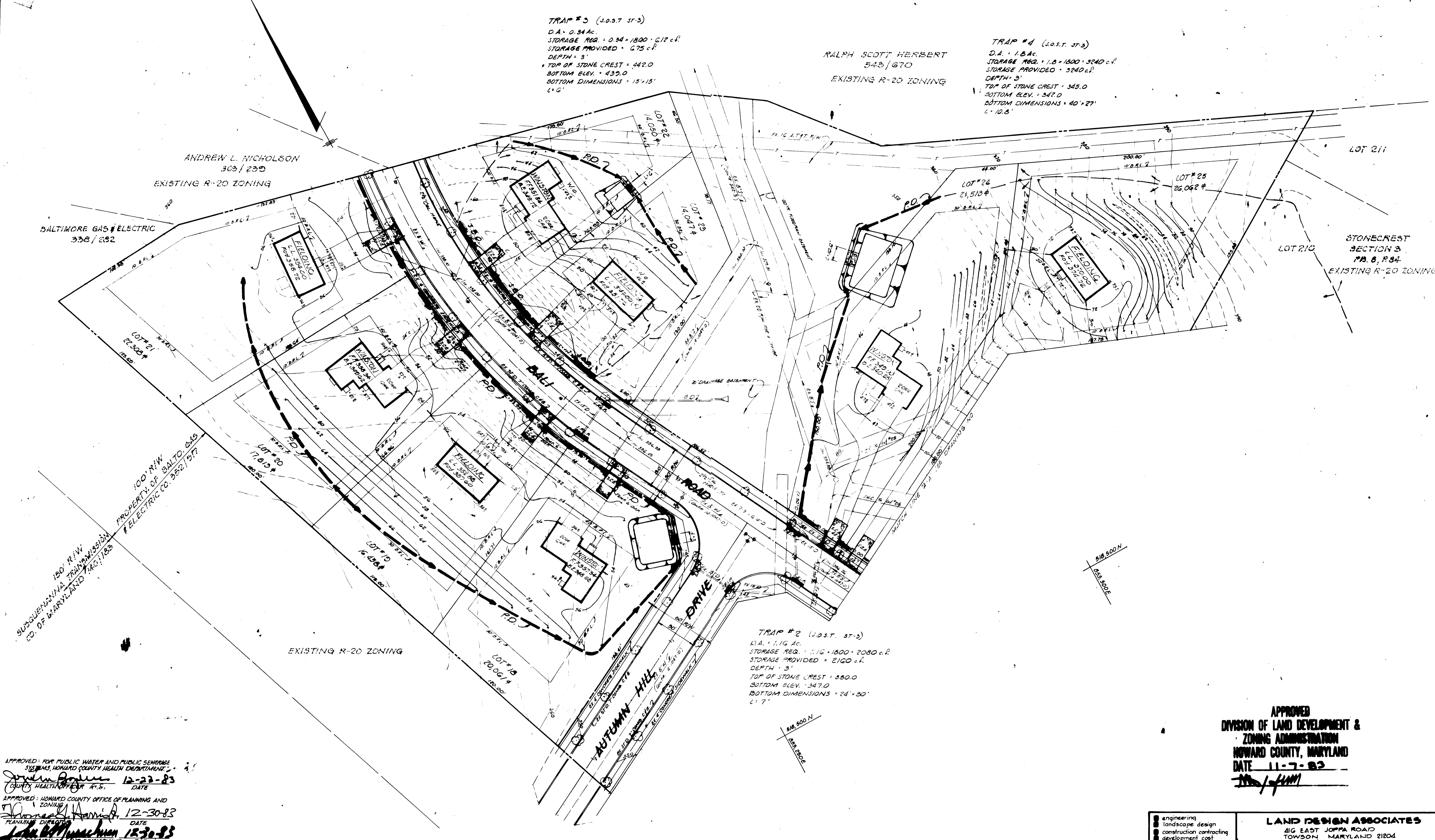
NOTES: LOT #0 BASEMENT EL. RAISED PER 100 YEAR FLOOD H.W. EL. ENGINEER CERTIFICATE REV. 10/10/81
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND REASONABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
[Signature] 12/14/83
LAND SURVEYOR #5580

TRAP #3 (S.O.S.T. ST-3)
 D.A. = 0.34 AC.
 STORAGE REQ. = 0.34 x 1800 = 612 c.f.
 STORAGE PROVIDED = 675 c.f.
 DEPTH = 3'
 TOP OF STONE CREST = 442.0
 BOTTOM ELEV. = 439.0
 BOTTOM DIMENSIONS = 15' x 15'
 6' x 6'

RALPH SCOTT HERBERT
 543/670
 EXISTING R-20 ZONING

TRAP #4 (S.O.S.T. ST-3)
 D.A. = 1.8 AC.
 STORAGE REQ. = 1.8 x 1800 = 3240 c.f.
 STORAGE PROVIDED = 3240 c.f.
 DEPTH = 3'
 TOP OF STONE CREST = 349.0
 BOTTOM ELEV. = 347.0
 BOTTOM DIMENSIONS = 40' x 27'
 6' x 10.8'

TRAP #2 (S.O.S.T. ST-3)
 D.A. = 1.16 AC.
 STORAGE REQ. = 1.16 x 1800 = 2088 c.f.
 STORAGE PROVIDED = 2100 c.f.
 DEPTH = 3'
 TOP OF STONE CREST = 550.0
 BOTTOM ELEV. = 547.0
 BOTTOM DIMENSIONS = 24' x 30'
 6' x 7'



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 J. S. [Signature] 12-22-83
 COUNTY HEALTH OFFICER R.S. DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 J. S. [Signature] 12-30-83
 PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 J. S. [Signature] 12-30-83
 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
 J. S. [Signature] 12-21-83
 DIRECTOR DATE

REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 J. S. [Signature] 12-20-83
 DATE

U.S. SOIL CONSERVATION SERVICE
 [Signature] 12-20-83
 APPROVED DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 [Signature] 12-20-83
 APPROVED DATE

DEVELOPER/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 PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A COURSE OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING ANY WORK. I ALSO AUTHORIZE PERSONNEL OF THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DESIGNATED NECESSARY.
 [Signature] 12/14/83
 SIGNATURE OF DEVELOPER/BUILDER

ENGINEER CERTIFICATE
 I 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 SOIL CONSERVATION DISTRICT.
 [Signature] 12/14/83
 LAND SURVEYOR #5590



APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-7-83
 [Signature]

<ul style="list-style-type: none"> engineering design landscape design construction contracting development cost property development 		LAND DESIGN ASSOCIATES 418 EAST JOPPA ROAD TOWSON, MARYLAND 21204 (301) 521-0112	
DESIGNED R/S	S.D.P. SEDIMENT & EROSION CONTROL PLAN "AUTUMN MANGO" (RECORDED AS TAYLOR PROP.) SECTION 1 LOTS 1 & 4 THRU 25	SCALE 1" = 30'	DRAWING 2 OF 4
DRAWN R/S	2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	FILE NO.
CHECKED R/S	FOR: GRAYSON HAMES, INC. 6918 JOHNNYCAKE ROAD BALTIMORE, MD. 21207	DATE 10/4/83	

TRAP #5 (last of 3)
 D.A.: 2.1 Ac.
 STORAGE REQ: 21,100 - 5200 c.f.
 STORAGE PROVIDED: 3200 c.f.
 DEPTH: 5'
 TOP OF STONE CREST: 355.0
 BOTTOM ELEV.: 352.0
 BOTTOM DIMENSIONS: 45' x 25'
 L x 12.6'

STONECREST SECTION 5
 P.B. 8, F. 34

STONECREST SECTION 3
 P.B. 8, F. 33

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James P. ...
 12-23-83
 HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John W. ...
 12-30-83
 PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. ...
 12-31-83
 DIRECTOR

...
 12-28-83
 CHIEF BUREAU OF ENGINEERING

REVIEWED FOR HOWARD CO. S.C.D. AND MEETS TECHNICAL REQUIREMENTS
...
 12-20-83
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
...
 12-20-83
 APPROVED

DEVELOPER/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 PERSONNEL 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 BEFORE BEGINNING OF THE PROJECT. I ALSO AUTHORIZE PERSONS ON SITE INSPECTING BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEMAND NECESSARY.
...
 12/14/83
 SIGNATURE OF DEVELOPER/BUILDER

TRAP #6 (last of 3)
 D.A.: 1.6 Ac.
 STORAGE REQ: 1,600 - 1800 - 2800 c.f.
 STORAGE PROVIDED: 3,000 c.f.
 DEPTH: 5'
 TOP OF STONE CREST: 354.8
 BOTTOM ELEV.: 351.8
 BOTTOM DIMENSIONS: 40' x 25'
 L x 26'

ENGINEER CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND REASONABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
...
 12/14/83
 LAND SURVEYOR #3350



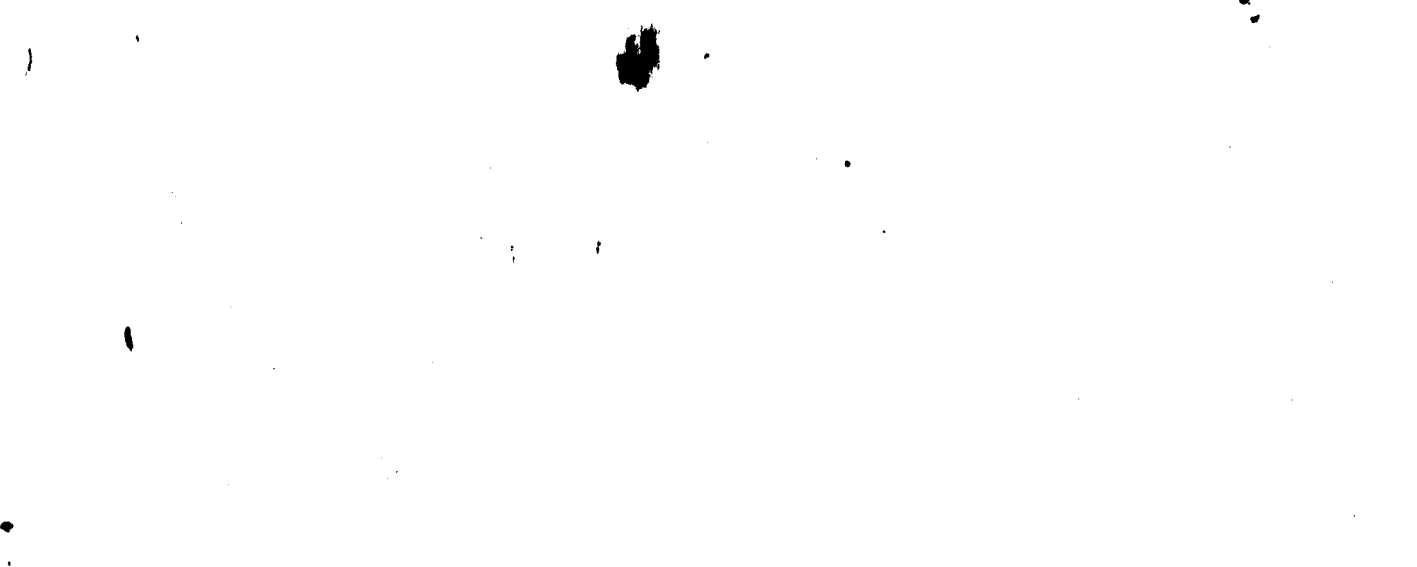
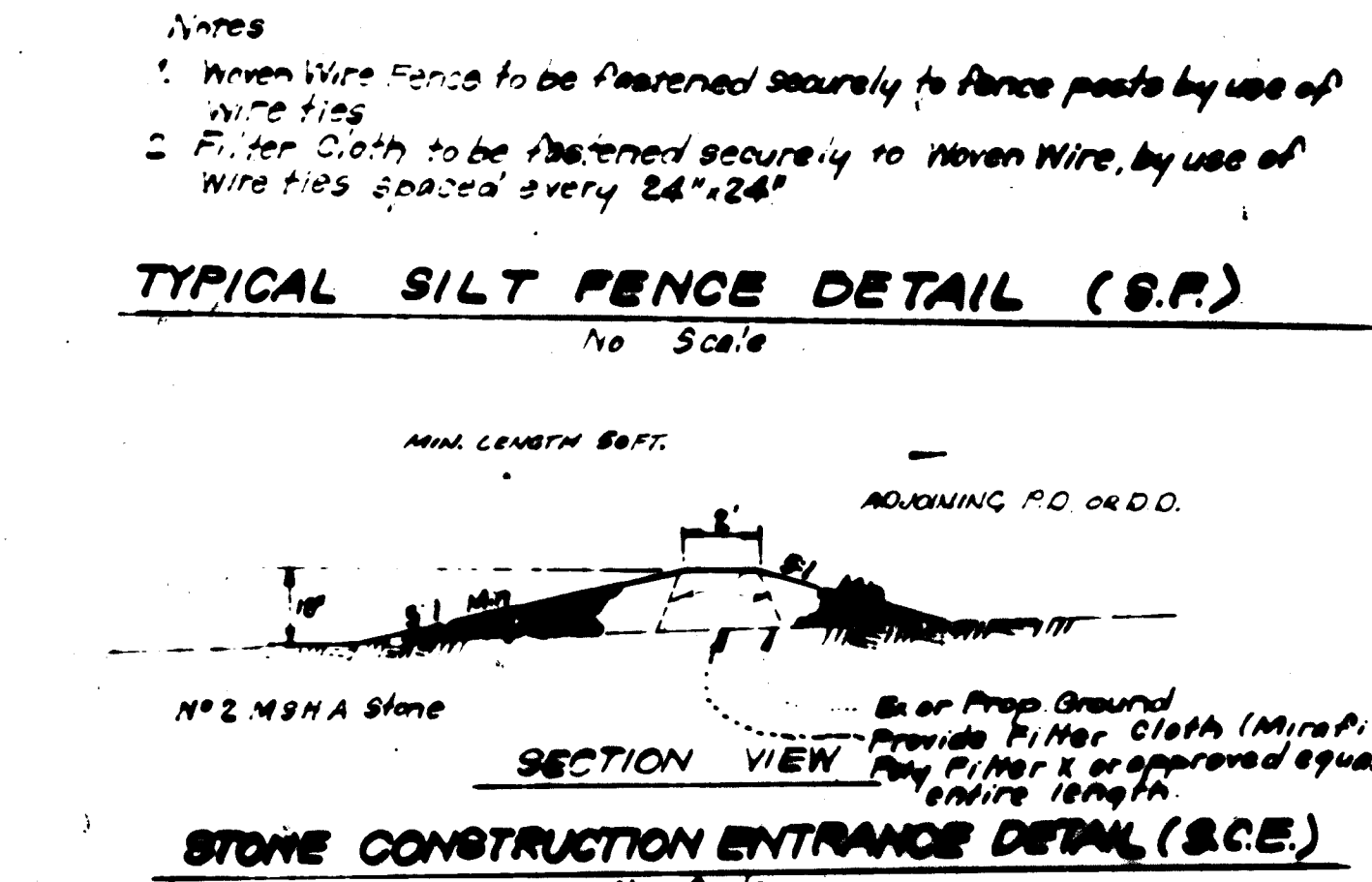
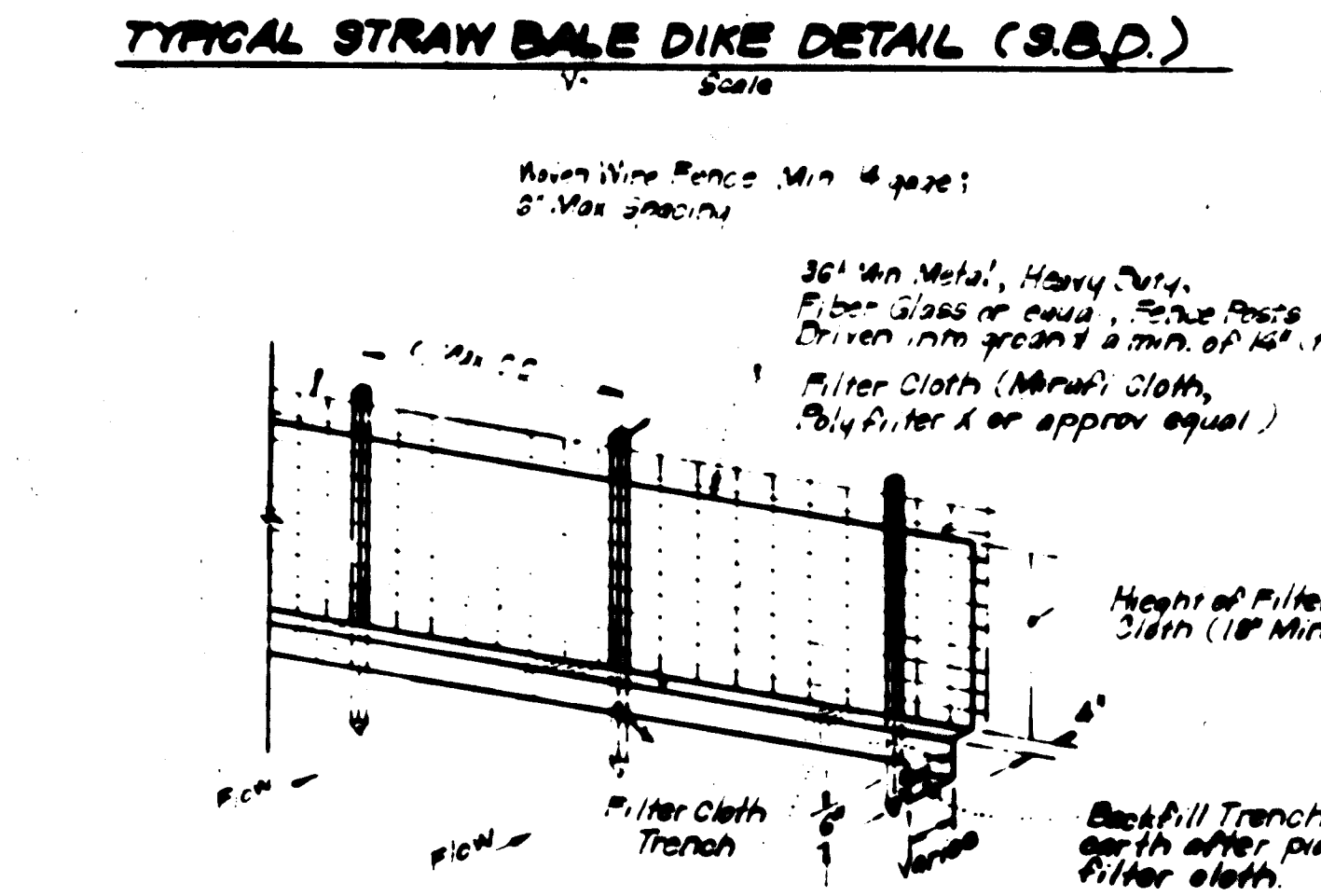
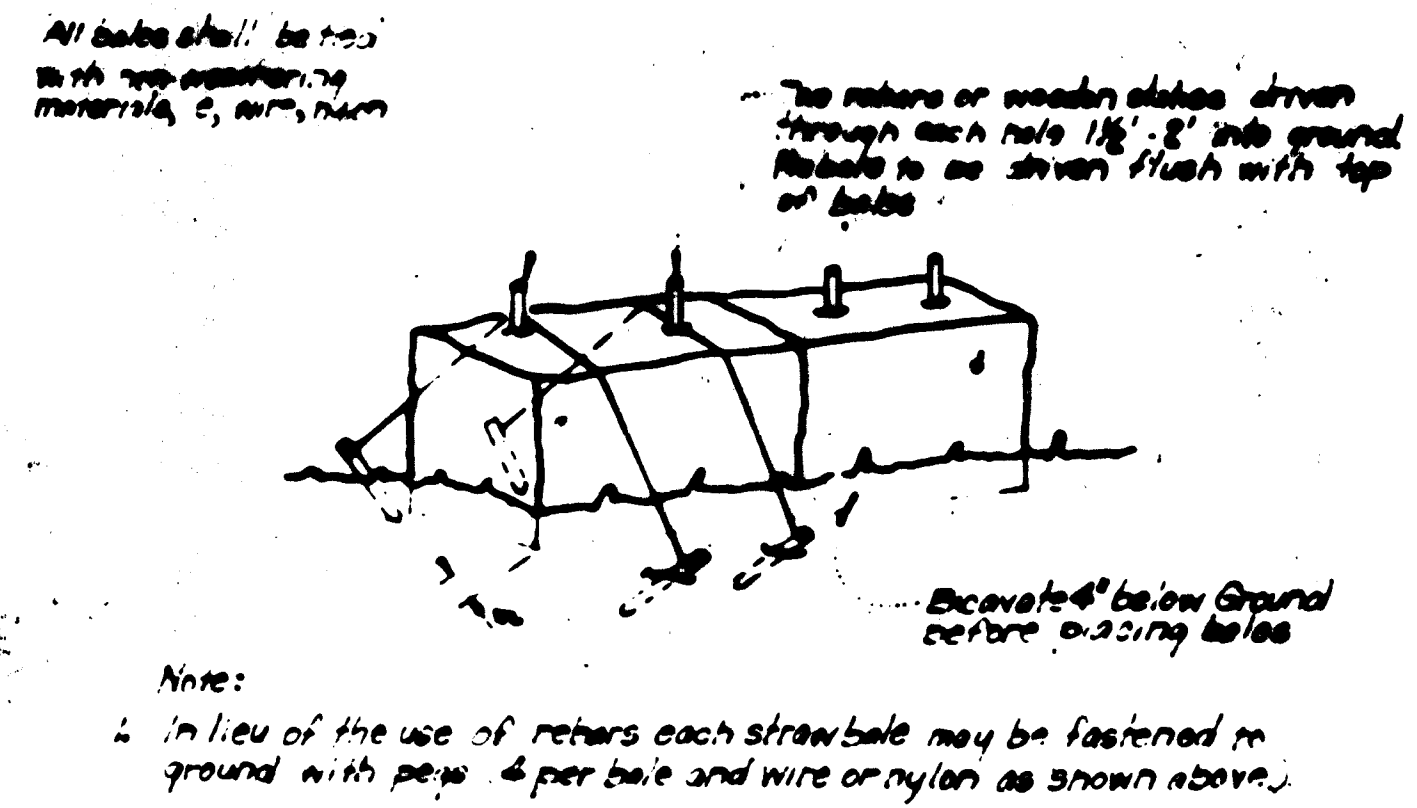
APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-7-83
...

LAND DESIGN ASSOCIATES 416 EAST JOPPA ROAD TOWSON, MARYLAND 21284 (301) 321-0112		SCALE 1" = 30' DRAWING 3 OF 4 JOB NO. FILE NO.
DESIGNED R.L.W. DRAWN R.L.W. CHECKED R.L.W. DATE 10/1/83	S.D.P. SEDIMENT & EROSION CONTROL PLAN "AUTUMN MANOR" (RECORDED AS TAYLOR PROP) SECTION 1 LOTS 1 & 4 THRU 35 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: GRAYSON HOMES, INC. 6918 JOHANNYCAKE ROAD BALTIMORE, MD. 21207	10/1/83

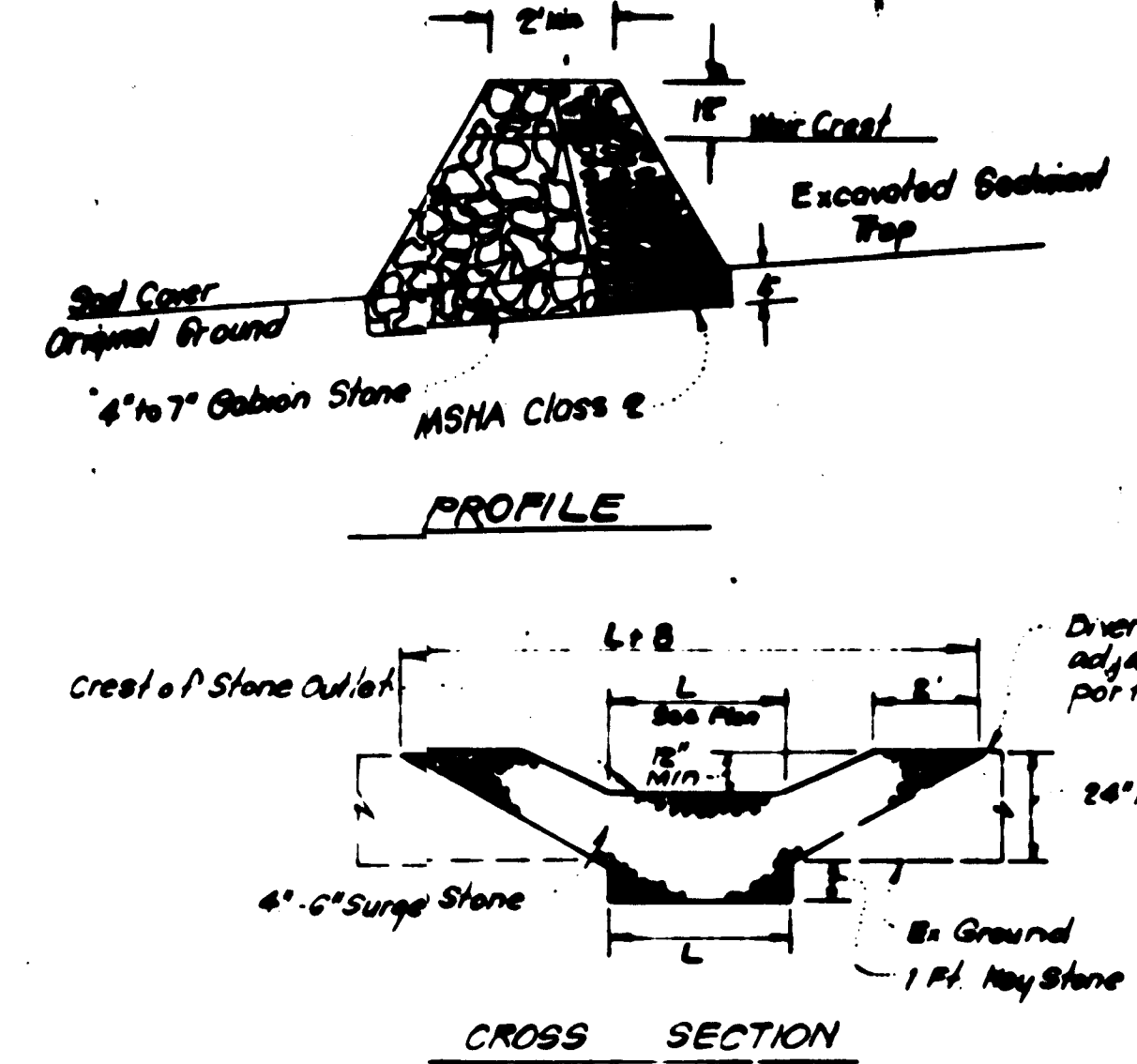
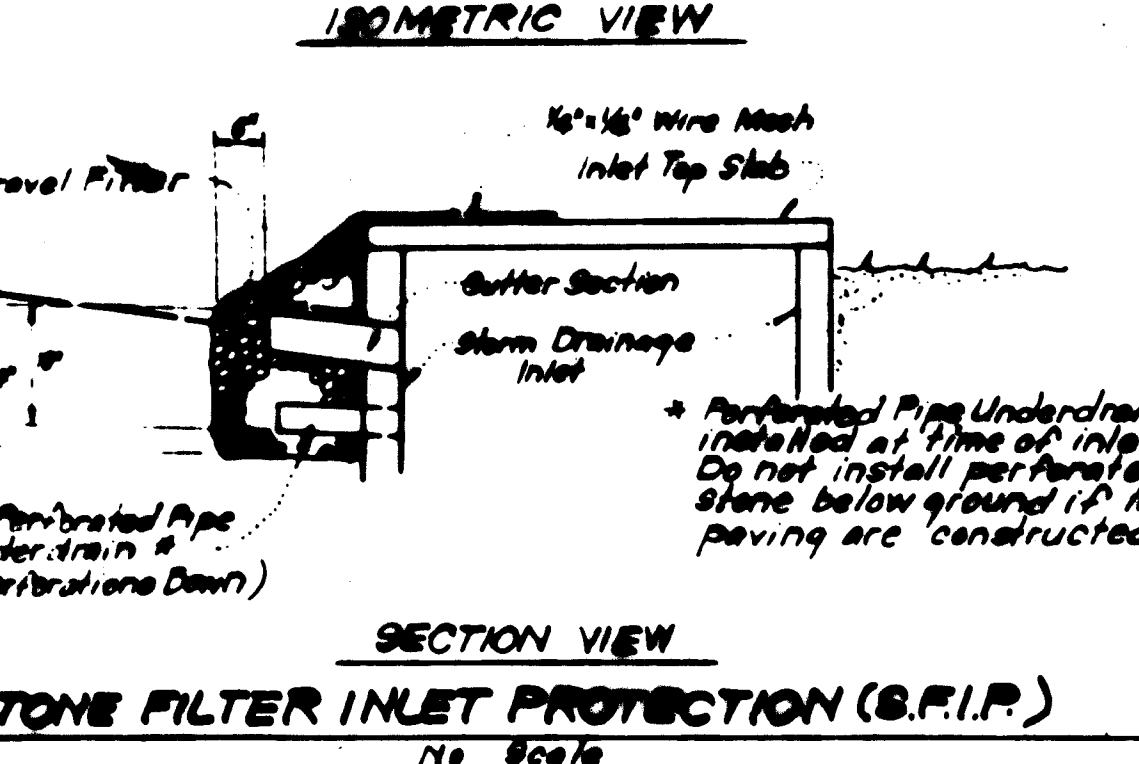
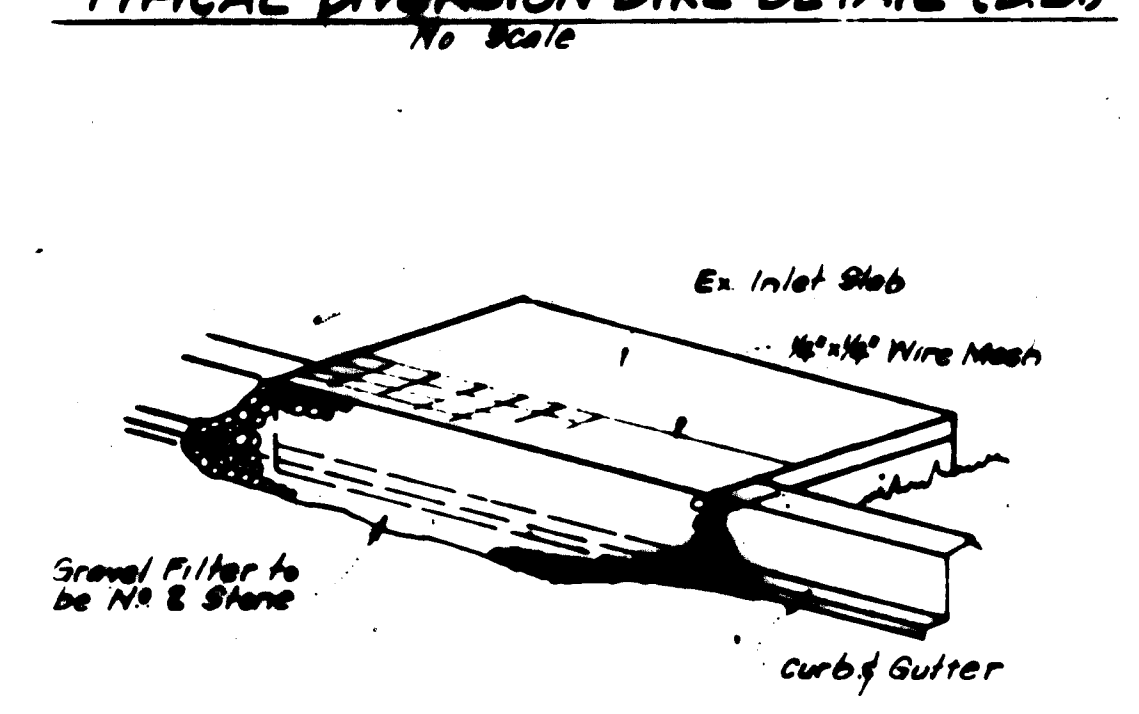
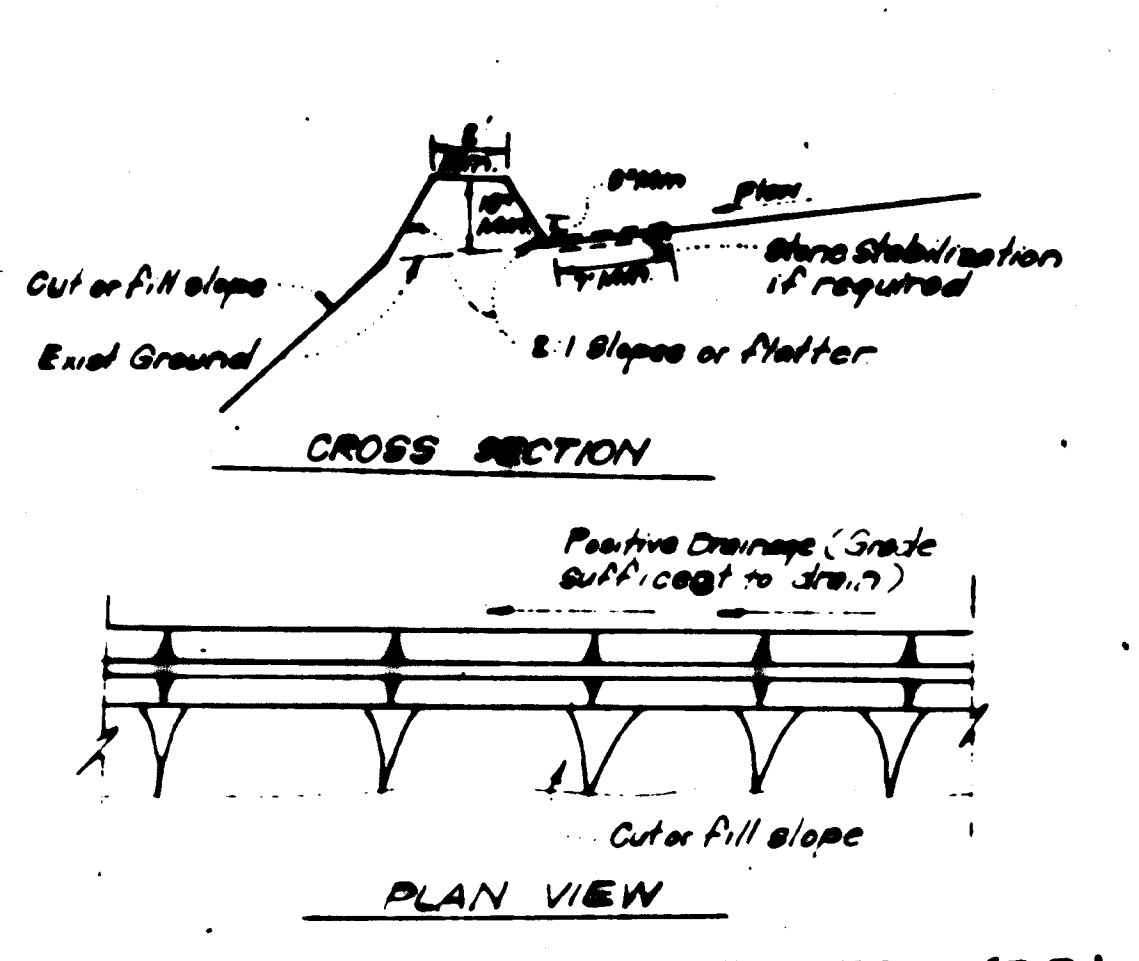
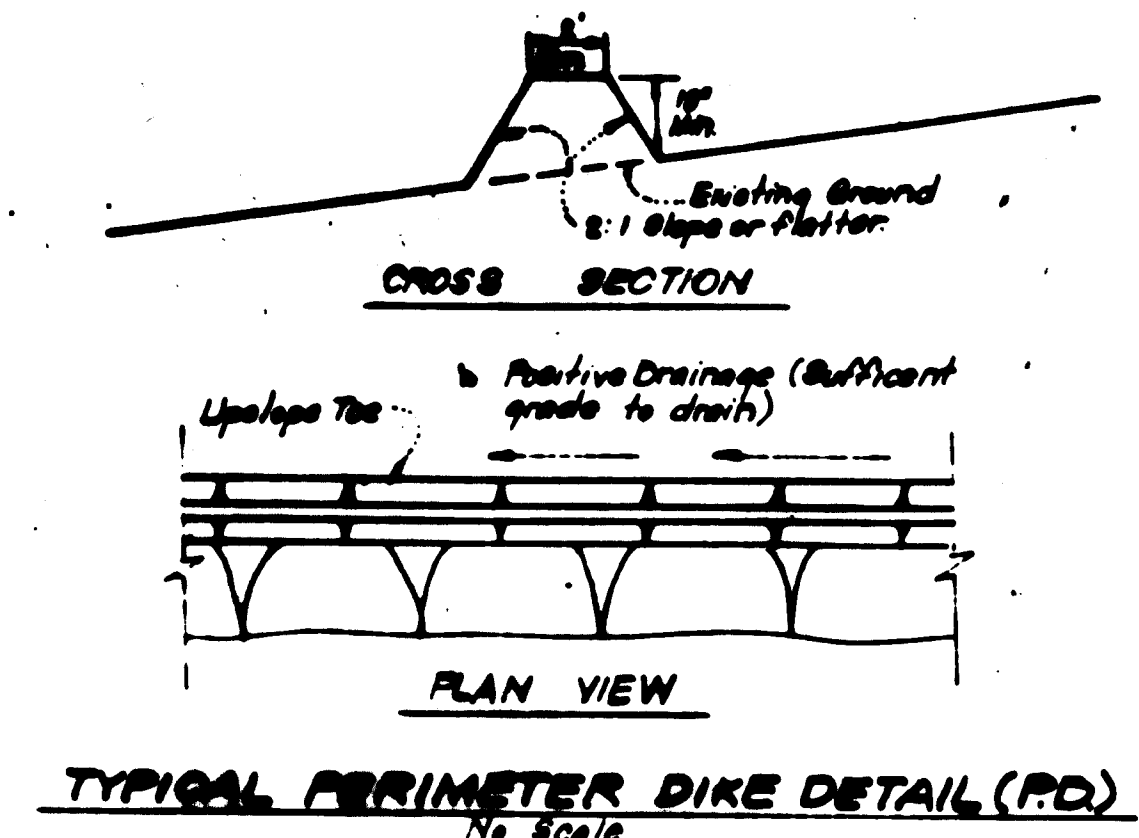
GENERAL NOTES

- 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 rye 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.
- Stabilization of Disturbed ground to be done as soon after construction as possible.
- All grading shall be treated in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 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 - Wood Pile grain straw applied at a rate of 2-3 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e.; asphalt tack, chemical binder, etc.
 - All Sod 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 clean out 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 road's free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- If houses are to be constructed on an "As-Sold" basis of random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.
- Total Amount of Straw Bales or Mulch are shown = 2,315 L.P.
- SITE ANALYSIS:**

A. Total Area	17.80	Acres
B. Area to be Roofed	0.80	Acres
C. Area to be Paved	0.60	Acres
D. Area to be Seeded	7.70	Acres
E. Area Undisturbed	8.70	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 to or from this site.

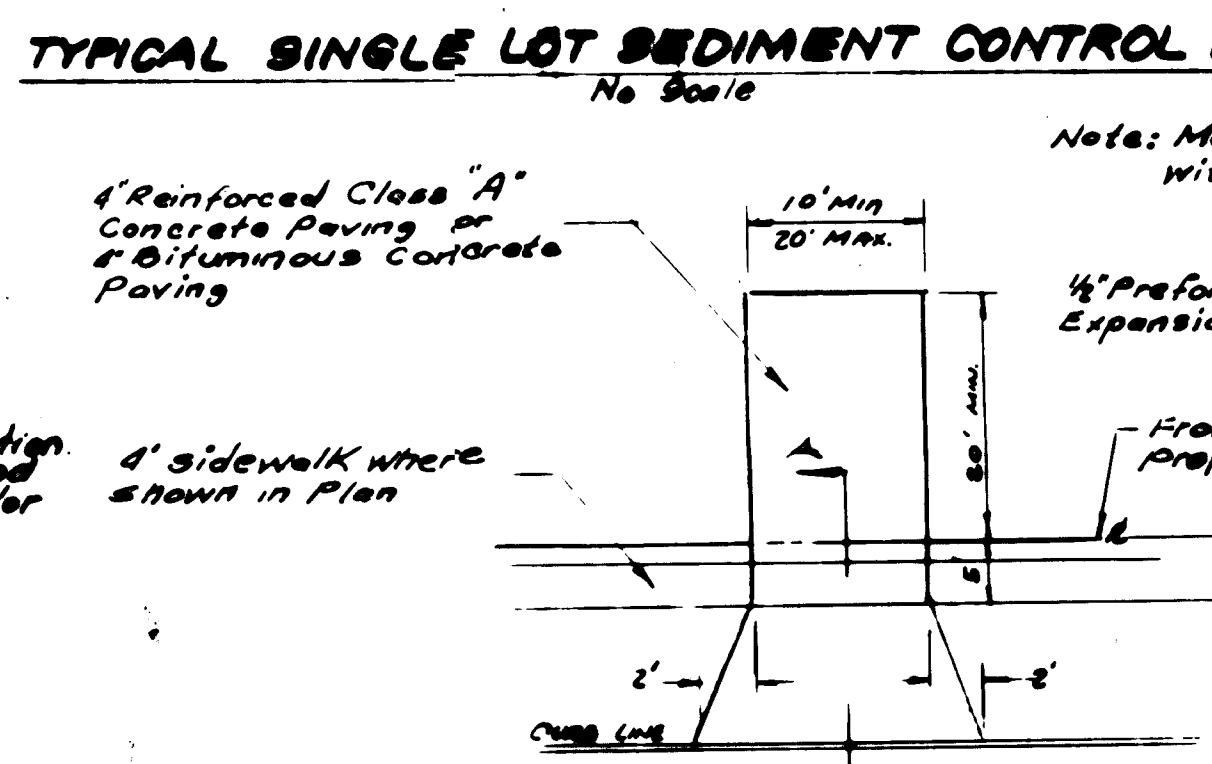
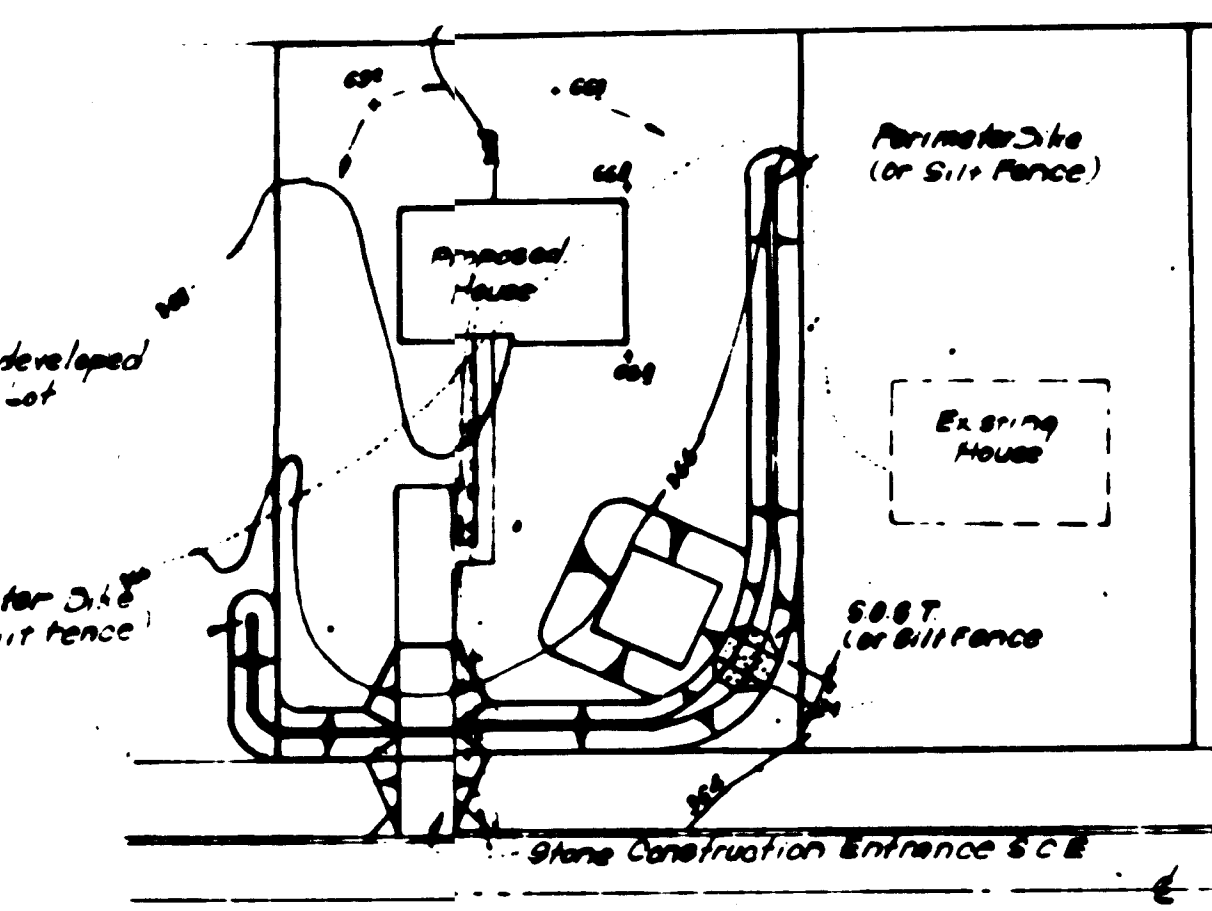


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 12-29-83
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 12-30-83
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 12-21-83
 ENGINEER'S SIGNATURE: [Signature]



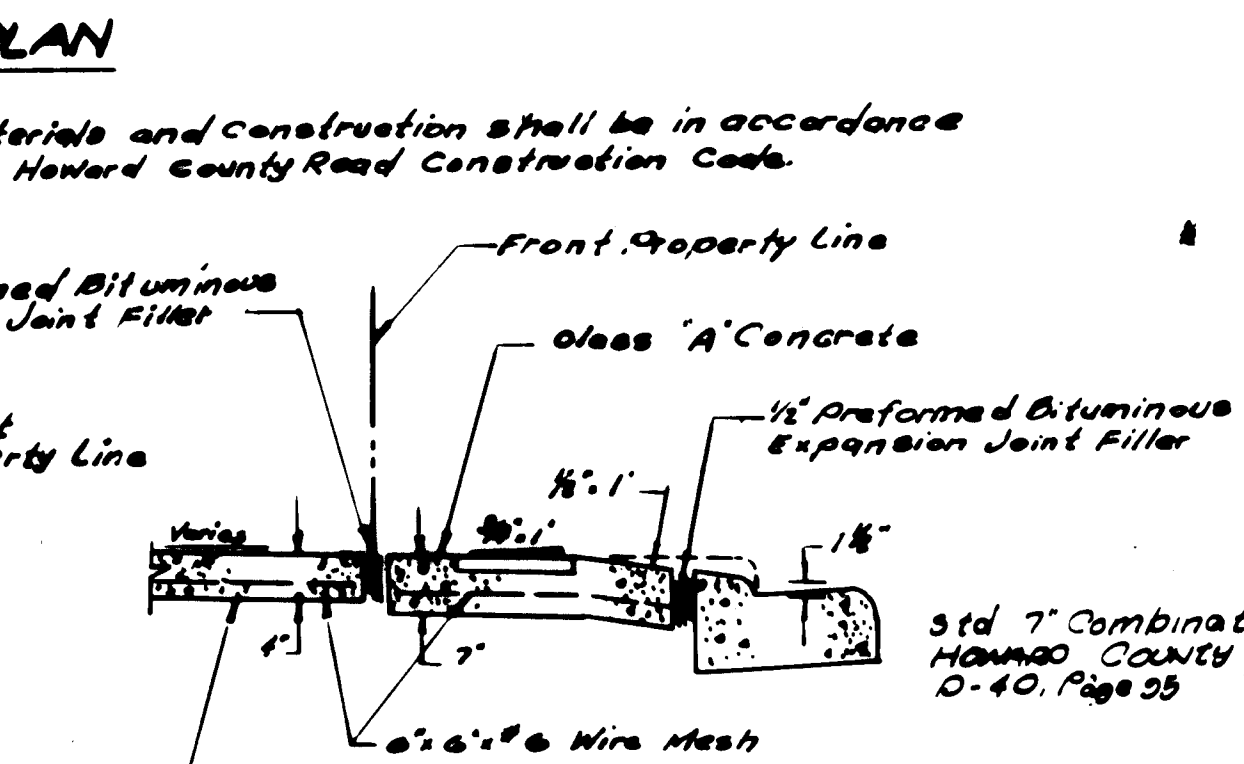
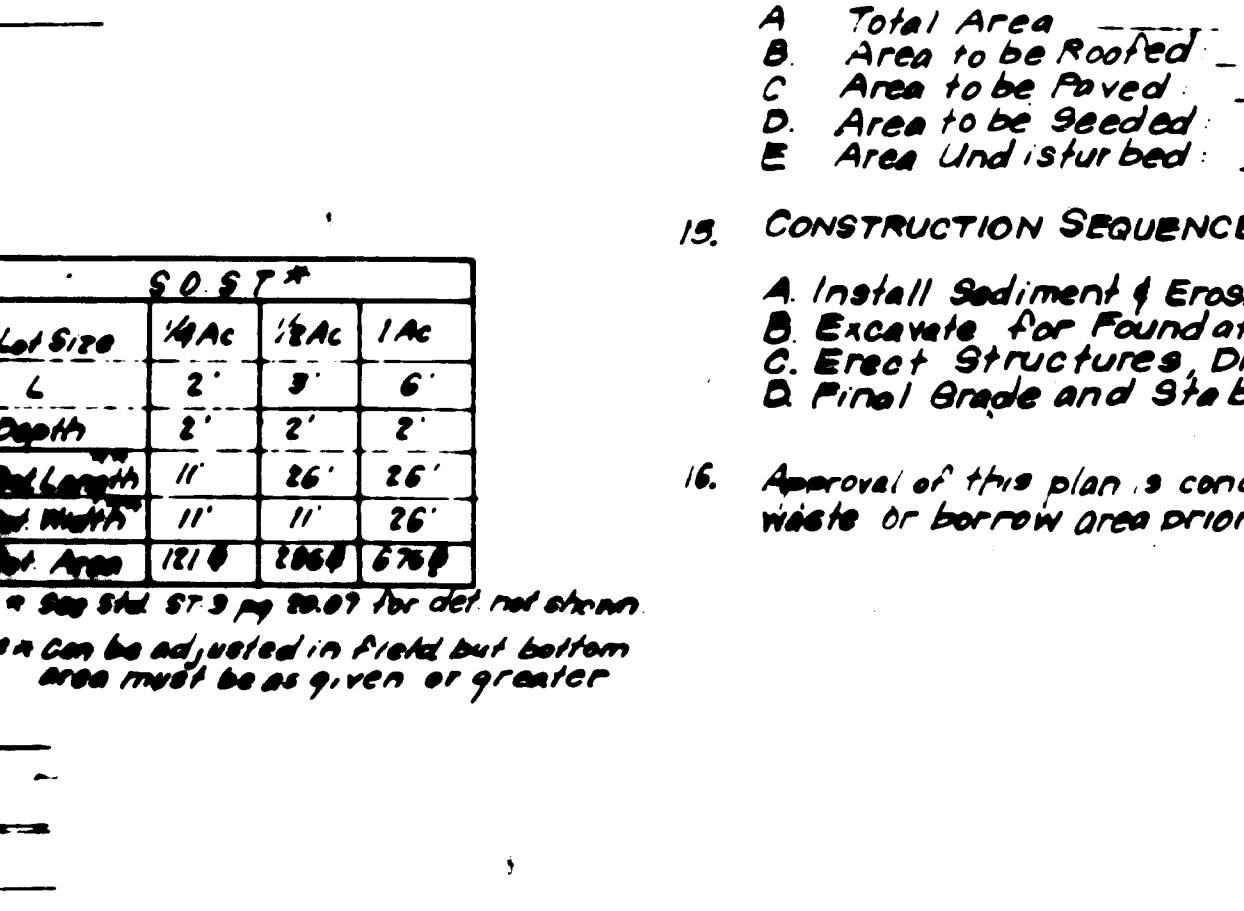
NOTES:

- Sediment Trap to be cleaned out when sediment reaches a level of 1 ft below crest of stone outlet.
- Bottom of sediment trap to be level and constructed to the dimensions shown on plan.
- Stone Outlet to be constructed through diversion dike adjacent to excavated portion of sediment trap.



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 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.
 Signature: [Signature] Date: 12/14/83

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] Date: 12/14/83



APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 11-7-83
 [Signature]

DESIGNED	RLW	SITE, SEDIMENT & EROSION CONTROL DETAILS AUTUMN MANOR (RECORDED & INDEXED) LOTS 31 & 4 THROUGH 35 2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND PARTY: GRAVSON HOWARD & SONS JOHANNESBURG MD BALTO MD 21207	SCALE	AS SHOWN
DRAWN	L.D.		SHEET	6 of 4
CHECKED	RLW		JOB NO.	
DATE	OCT 83		FILE NO.	