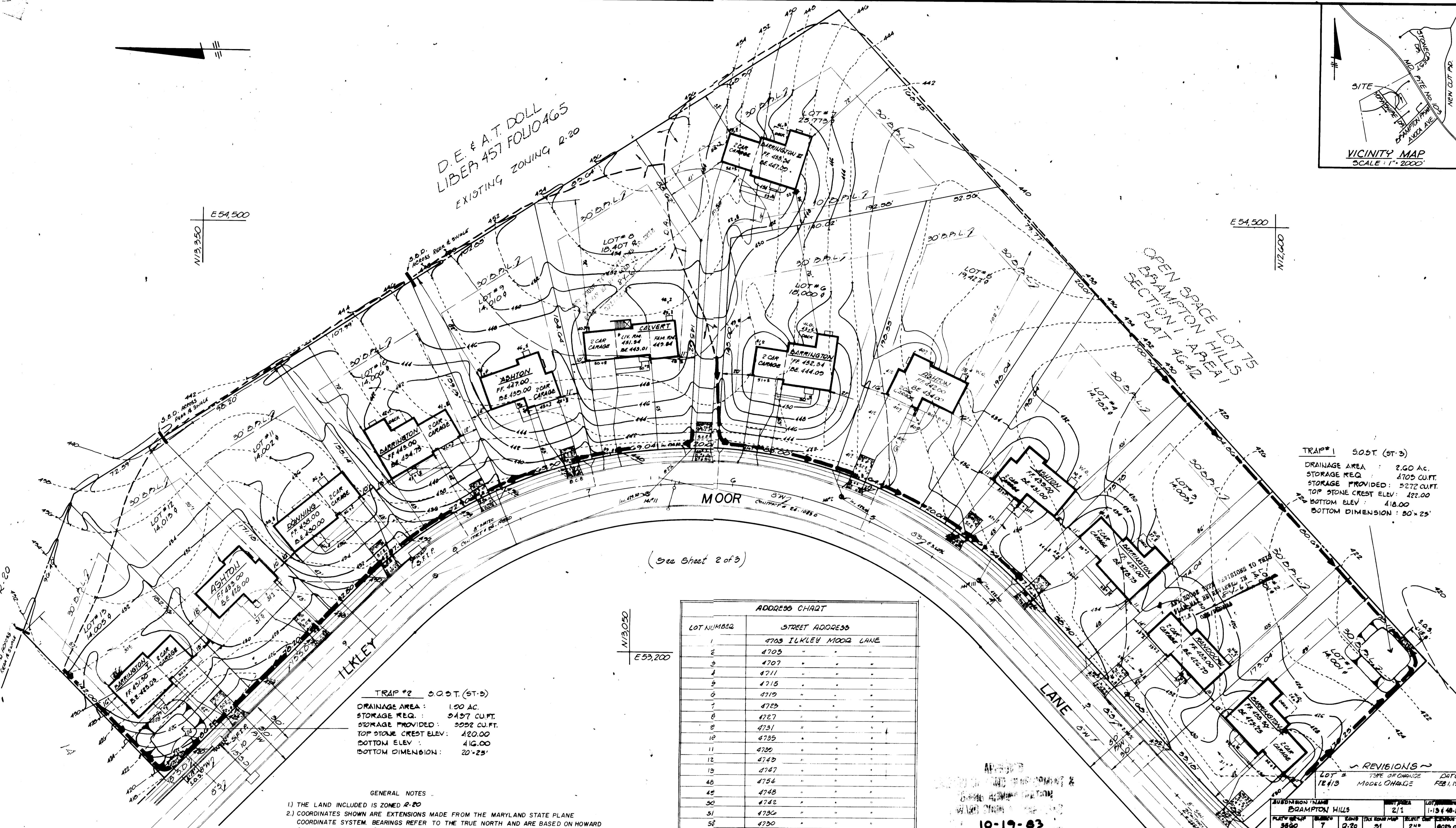


D.E. & A.T. DOLL  
LIBER 457 FOLIO 465  
EXISTING ZONING R-20

OPEN SPACE LOT 75  
BRAMPTON HILLS  
SECTION 2 AREA 1  
PLAT 4642

TRAP #1 S.O.S.T. (ST-3)  
DRAINAGE AREA: 2.60 AC.  
STORAGE REQ: 4705 CU.FT.  
STORAGE PROVIDED: 5272 CU.FT.  
TOP STONE CREST ELEV: 422.00  
BOTTOM ELEV: 418.00  
BOTTOM DIMENSION: 50' x 25'



(See Sheet 2 of 3)

TRAP #2 S.O.S.T. (ST-3)  
DRAINAGE AREA: 1.00 AC.  
STORAGE REQ: 3437 CU.FT.  
STORAGE PROVIDED: 3032 CU.FT.  
TOP STONE CREST ELEV: 420.00  
BOTTOM ELEV: 416.00  
BOTTOM DIMENSION: 20' x 25'

| ADDRESS CHART |                       |
|---------------|-----------------------|
| LOT NUMBER    | STREET ADDRESS        |
| 1             | 4705 ILKLEY MOOR LANE |
| 2             | 4703 " " "            |
| 3             | 4707 " " "            |
| 4             | 4711 " " "            |
| 5             | 4715 " " "            |
| 6             | 4719 " " "            |
| 7             | 4723 " " "            |
| 8             | 4727 " " "            |
| 9             | 4731 " " "            |
| 10            | 4735 " " "            |
| 11            | 4739 " " "            |
| 12            | 4743 " " "            |
| 13            | 4747 " " "            |
| 48            | 4754 " " "            |
| 49            | 4748 " " "            |
| 50            | 4762 " " "            |
| 51            | 4736 " " "            |
| 52            | 4730 " " "            |
| 53            | 4722 " " "            |
| 54            | 4716 " " "            |
| 55            | 4710 " " "            |

- 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. 8843002
  - 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP # 30 PARCEL # 30
  - 4) THE TOTAL AREA ON THIS PLAN IS 350,355 SQ. FT. (8.0484)
  - 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 21
  - 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.

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.

APPROVED: *Floyd Shuman* 11/19/83  
SIGNATURE OF DEVELOPER / BUILDER DATE

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.

APPROVED: *Walter Parr* 11-1-1983  
LAND SURVEYOR DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*John Wilson* 11-7-83  
SIGNATURE DATE  
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John Wilson* 11-7-83  
APPROVED DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT.  
*John Wilson* 11/14/83  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*John Wilson* 11-15-83  
PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
*John Wilson* 11-15-83  
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*John Wilson* 11-9-83  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING  
*John Wilson* 11-9-83  
DATE

|                                 |       |                |             |
|---------------------------------|-------|----------------|-------------|
| REVISIONS                       | LOT # | TYPE OF CHANGE | DATE        |
|                                 | 12/13 | MODEL CHANGE   | FEB 1, 1984 |
| SUBMISSION NAME: BRAMPTON HILLS |       |                |             |
| PLAT #                          | BLK # | TAX MAP #      | BLK #       |
| 5820                            | 7     | Q.20           | 51          |
| WATER CODE: Q02                 |       |                |             |
| SUBMISSION NO: 57888004 8750634 |       |                |             |

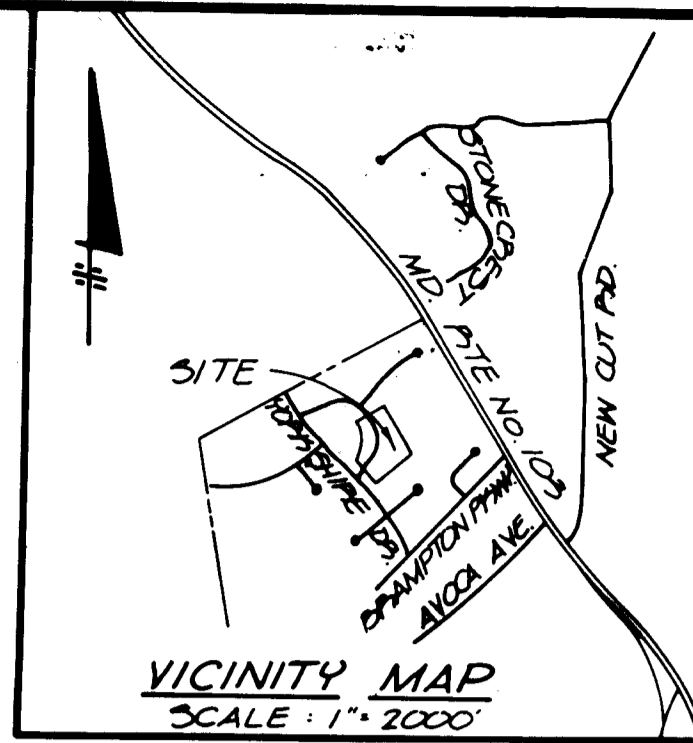
ENGINEERING LANDSCAPE DESIGN CONSTRUCTION CONTRACTING DEVELOPMENT COST PROPERTY DEVELOPMENT

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

|          |   |
|----------|---|
| DESIGNED | SCALE   |
| RLW      | 1" = 30'  |
| DRAWN    | DRAWING   |
| RLW      | 1 OF 3  |
| CHECKED  | JOB NO.   |
| RLW      |   |
| DATE     | FOR:  |
| 9/83     | GRAYSON HOMES, INC.<br>6318 JOHNNYCAKE ROAD<br>BALTIMORE, MD. 21207 |
|          | FILE NO.  |

(See Sheet 1 of 3)

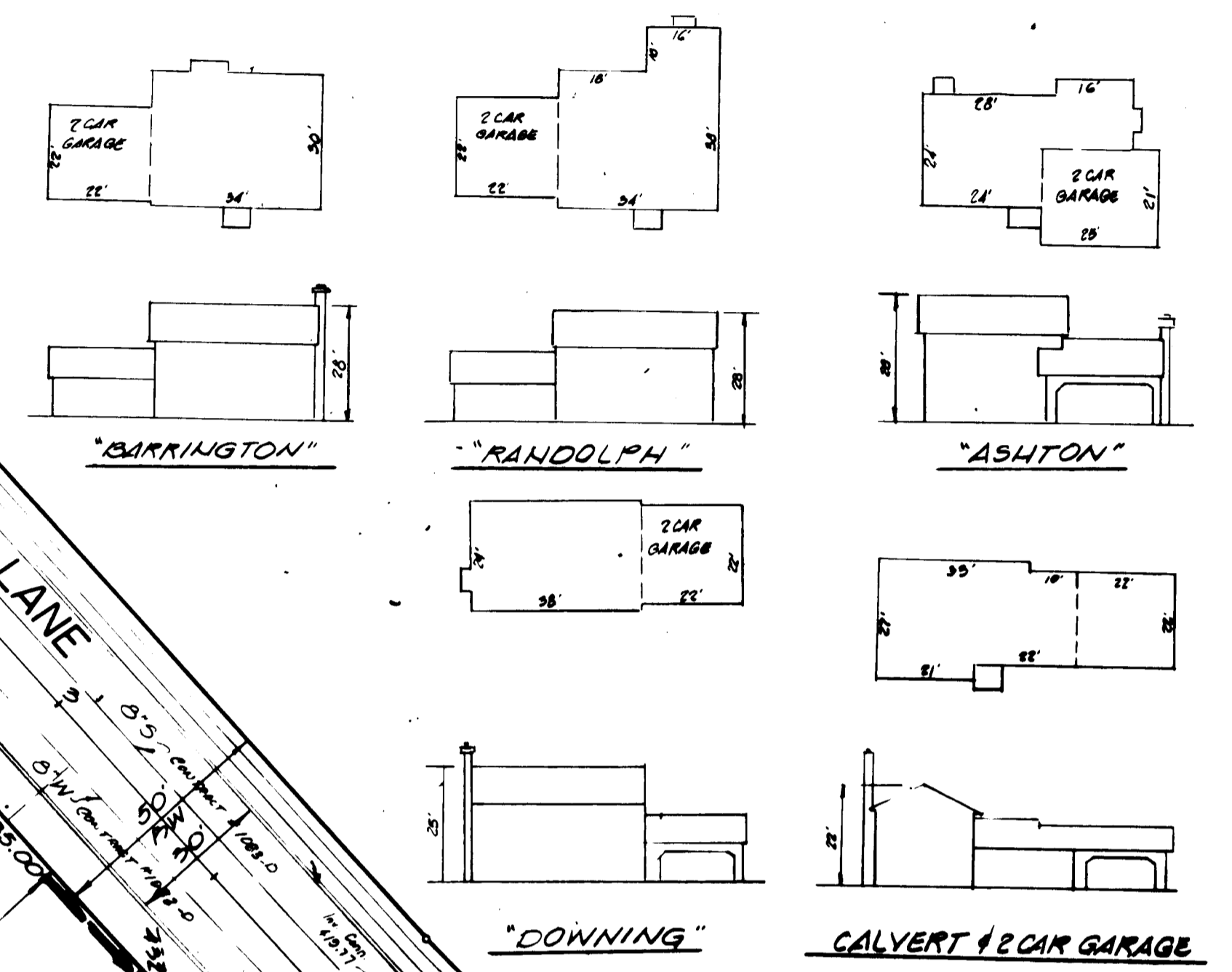
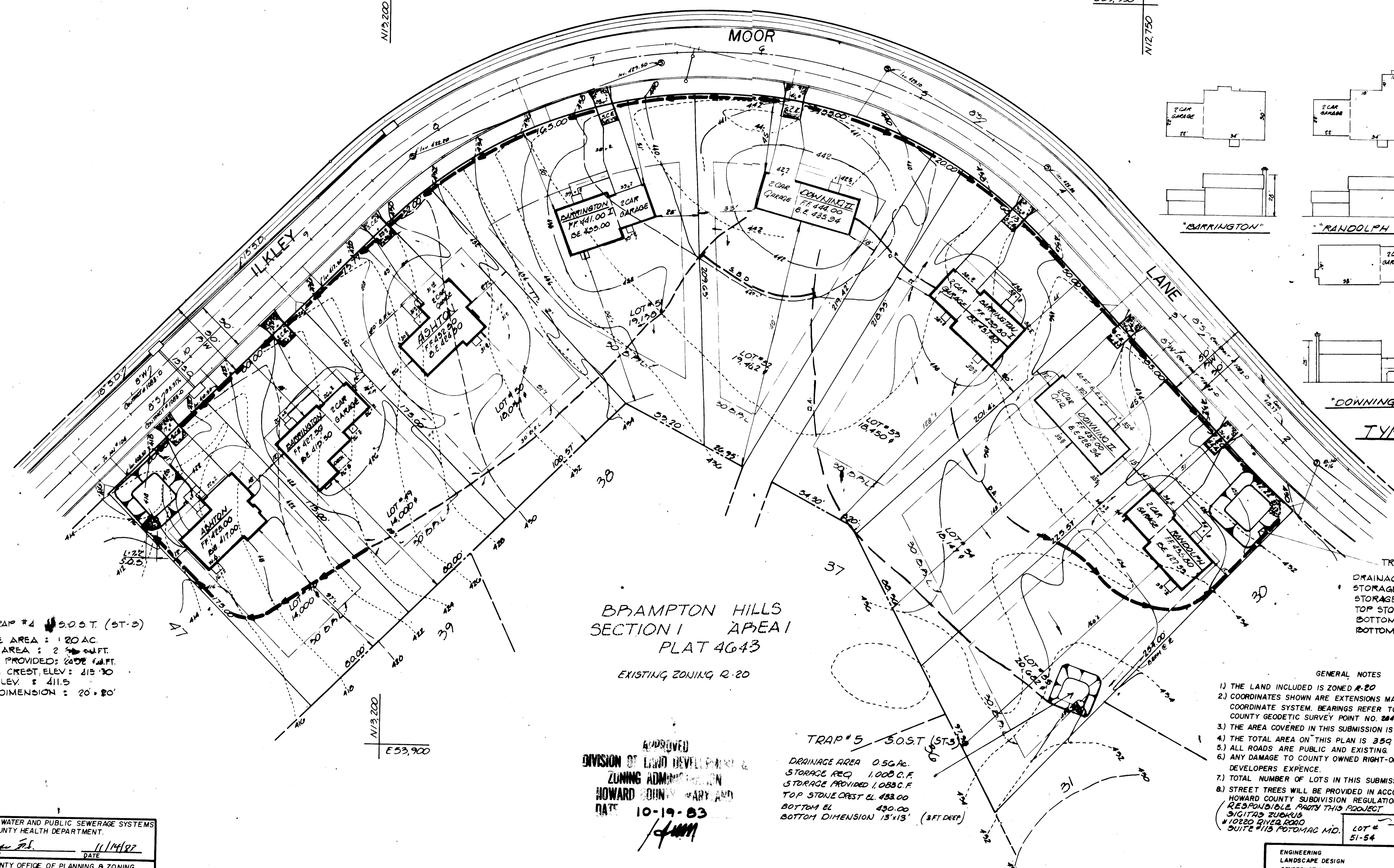
EXISTING ZONING R-20



E53,350  
N13,200

E53,350  
N12,750

E53,900  
N13,200



TRAP #4 S.O.S.T. (ST-3)  
DRAINAGE AREA : 1.20 AC.  
STORAGE AREA : 2 1/2 CU.FT.  
STORAGE PROVIDED: 2402 CU.FT.  
TOP STONE CREST, ELEV: 413.30  
BOTTOM ELEV: 411.5  
BOTTOM DIMENSION : 20' x 20'

BRAMPTON HILLS  
SECTION I AREA I  
PLAT 4643  
EXISTING ZONING R-20

TRAP #5 S.O.S.T. (ST-3)  
DRAINAGE AREA : 1.15 AC.  
STORAGE REQ : 2051 CU.FT.  
STORAGE PROVIDED: 2402 CU.FT.  
TOP STONE CREST ELEV: 431.50  
BOTTOM ELEV: 428.00  
BOTTOM DIMENSION : 20' x 20'

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
DATE 10-19-83

TRAP #5 S.O.S.T. (ST-3)  
DRAINAGE AREA 0.56 AC.  
STORAGE REQ 1,000 C.F.  
STORAGE PROVIDED 1,083 C.F.  
TOP STONE CREST EL. 433.00  
BOTTOM EL. 430.00  
BOTTOM DIMENSION 13' x 13' (8 FT DEEP)

- 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. 2848001 AND NO. 2848002
  - 3) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP # 80 PARCEL # 50
  - 4) THE TOTAL AREA ON THIS PLAN IS 359,355 SQ. FT. (8.048 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 21
  - 8) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.
- SIGNATURE SUBRUS  
#10280 CIVIL 2000  
SUITE 2115 POTOMAC MD.

| LOT # | REVISIONS    | TYPE OF CHANGE | DATE |
|-------|--------------|----------------|------|
| 51-54 | MODEL CHANGE | FEB. 1, 1984   |      |

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

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR DATE 11-15-83

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 11-15-83

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

DIRECTOR DATE 11-9-83

CHIEF BUREAU OF ENGINEERING DATE 11-9-83

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

SIGNATURE DATE 11-7-83

U.S. SOIL CONSERVATION SERVICE

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

SIGNATURE DATE 11-2-83

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.

SIGNATURE OF DEVELOPER/BUILDER DATE 11/1/83

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.

LAND SURVEYOR DATE 11-1-1985

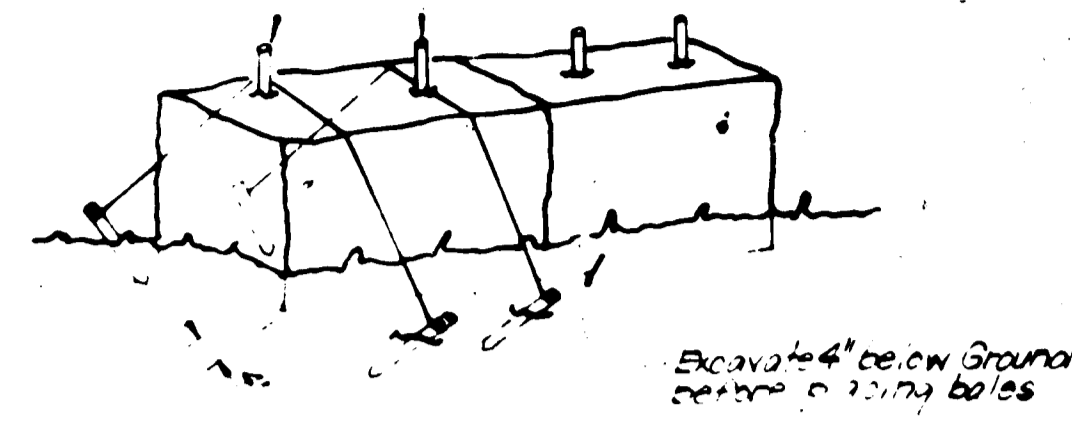
|   |  |   |
|---|--|---|
| ENGINEERING<br>LANDSCAPE DESIGN<br>CONSTRUCTION CONTRACTING<br>DEVELOPMENT COST<br>PROPERTY DEVELOPMENT | LAND DESIGN ASSOCIATES<br>416 EAST JOPPA ROAD<br>TOWSON MARYLAND 21204<br>(301) 321-0112   | SCALE<br>1" = 30'   |
| DESIGNED<br>R.L.W.  | SITE DEVELOPMENT &<br>SEDIMENT CONTROL PLAN<br>LOTS 1-13 & 48-53<br>BRAMPTON HILLS<br>SECTION I AREA I<br>2ND ELECTION DISTRICT HOWARD CO.<br>MARYLAND | DRAWING<br>2 OF 3   |
| DRAWN<br>R.L.W.   |  | JOB NO.   |
| CHECKED<br>R.L.W.   |  | FILE NO.  |
| DATE<br>7/83  |  | FOR:<br>GRAYSON HOMES, INC.<br>6316 JOHNNYCAKE ROAD<br>BALTIMORE, MD. 21207 |

**GENERAL NOTES**

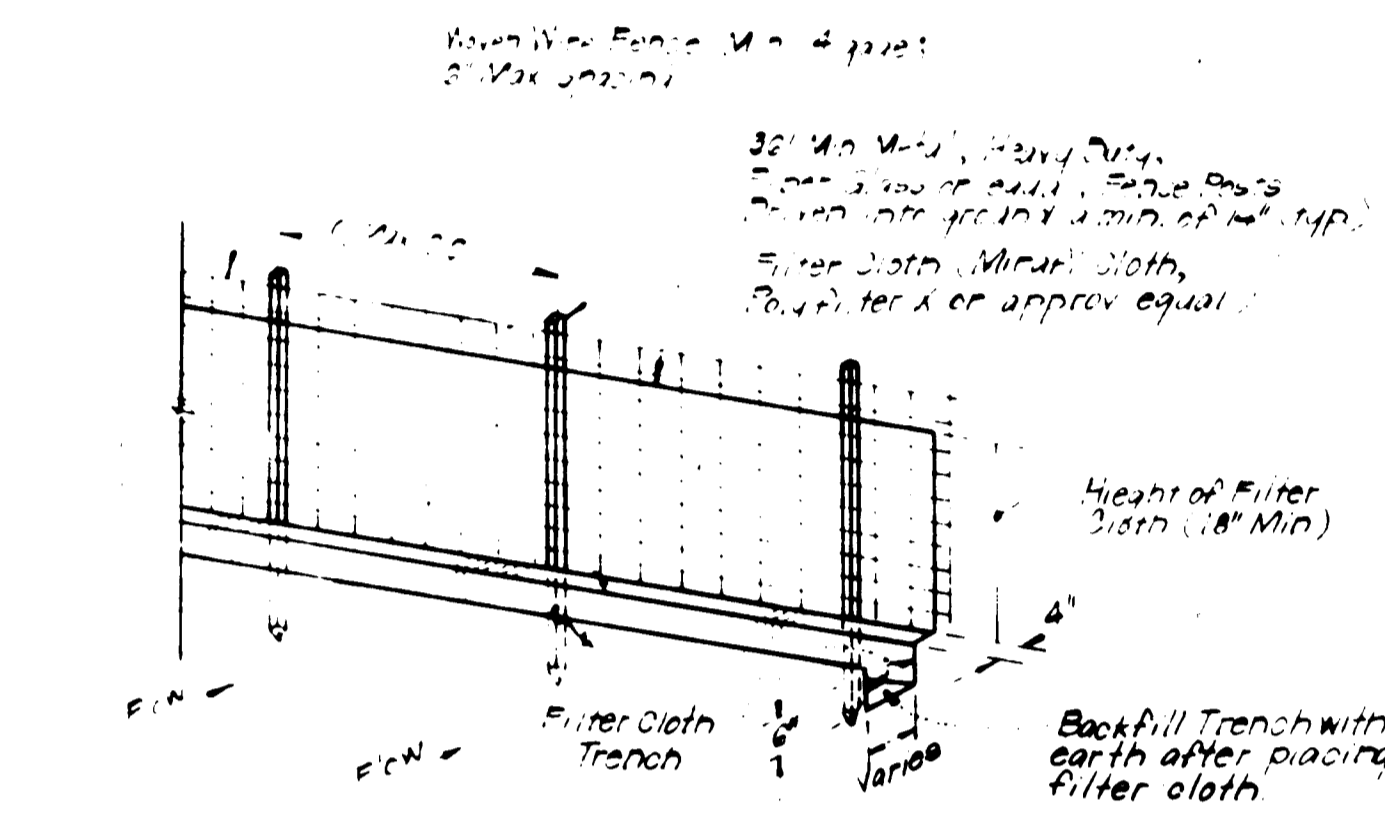
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization 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 90 lbs/1000 sq ft.
  - Mulch- Weed free grain straw applied at a rate of 2000 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e.; apron tacks, 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 planted vegetation 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.
- If houses 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 Straw Bales or Perimeter Dike shown = 2150 LF
- SITE ANALYSIS:
 

|                     |       |       |
|---------------------|-------|-------|
| A Total Area        | 8.043 | Acres |
| B Area to be Roofed | 0.75  | Acres |
| C Area to be Paved  | 0.48  | Acres |
| D Area to be Graded | 4.81  | Acres |
| E Area Undisturbed  | 2.09  | Acres |
- CONSTRUCTION SEQUENCE:
  - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes
  - Excavate for Foundations and Rough Grade
  - Erect Structures, Drive ways 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.

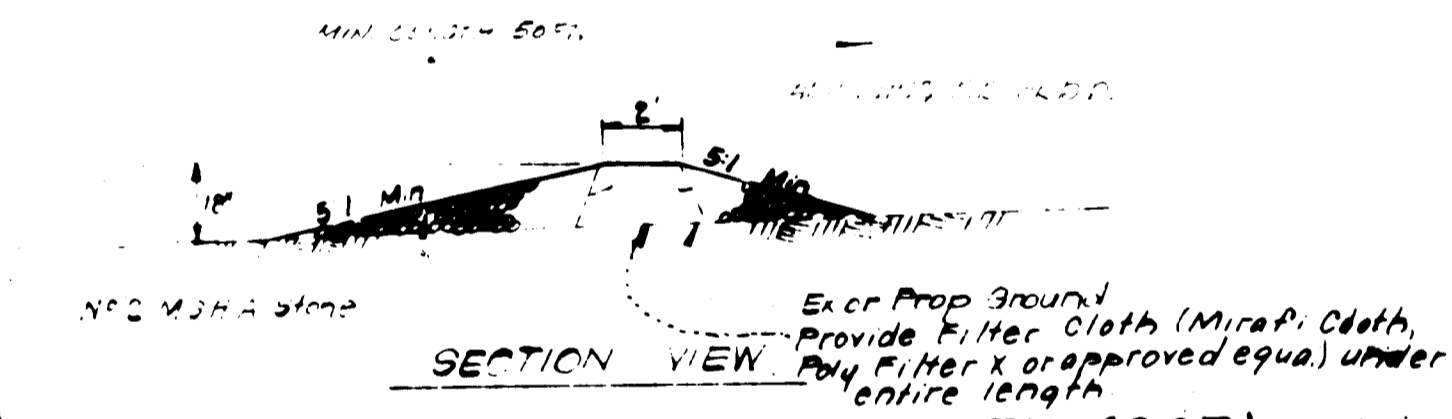
Notes:  
1. Repairs or wooden stakes driven through each hole 1/2" into ground. Repairs to be driven flush with top of bales.



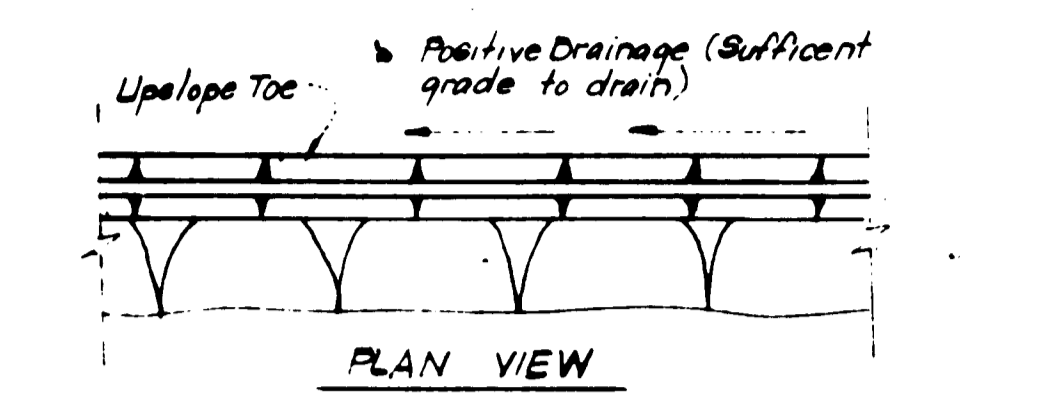
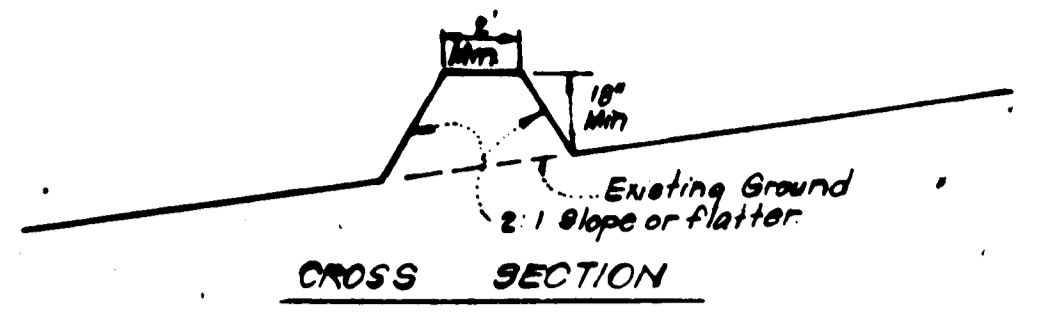
**TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)**  
No Scale



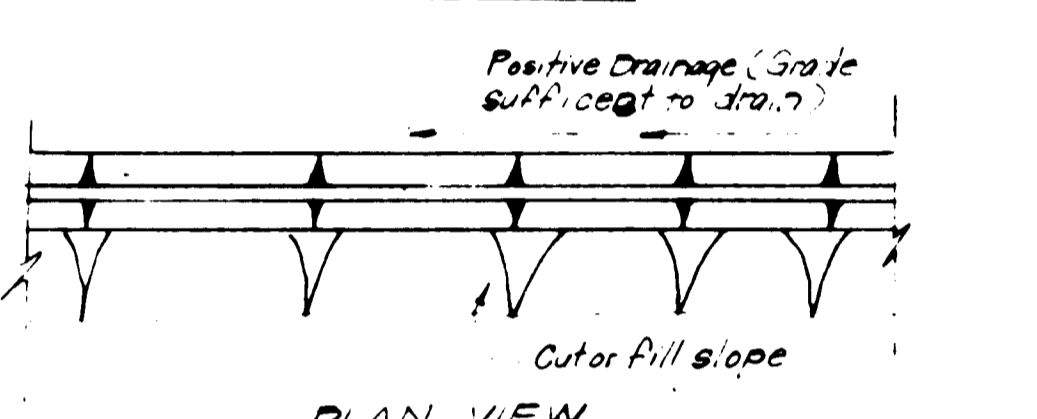
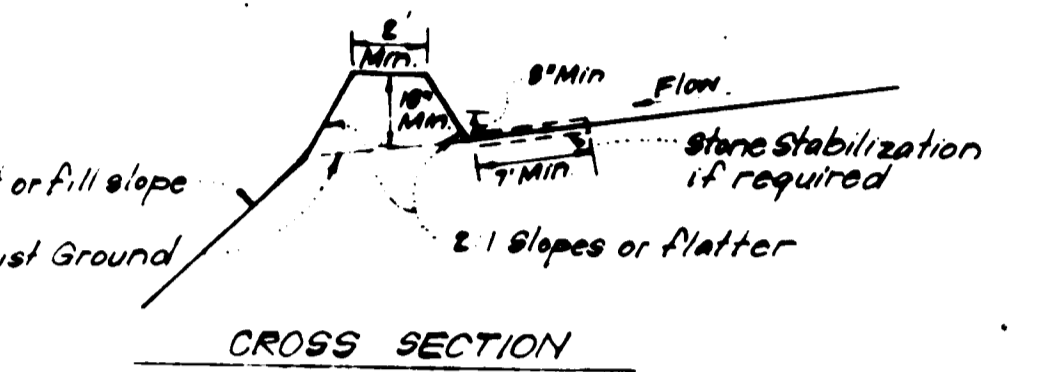
**TYPICAL SILT FENCE DETAIL (S.F.)**  
No Scale



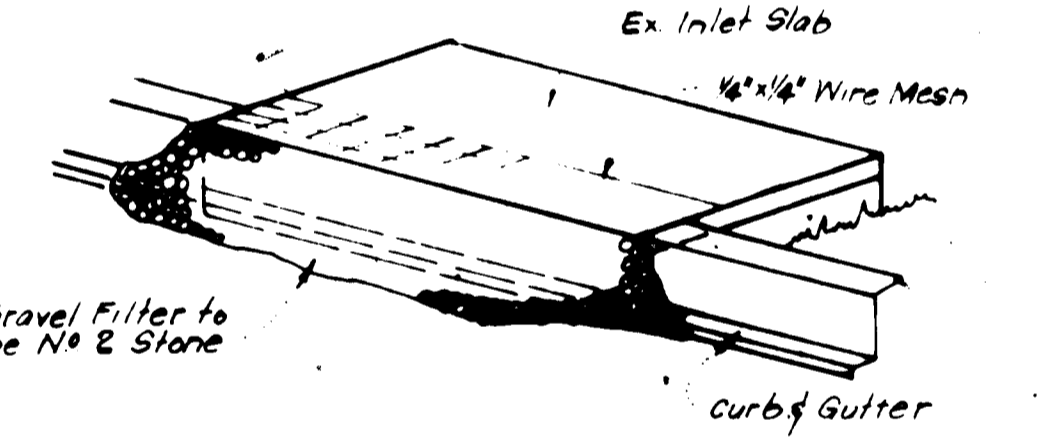
**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale



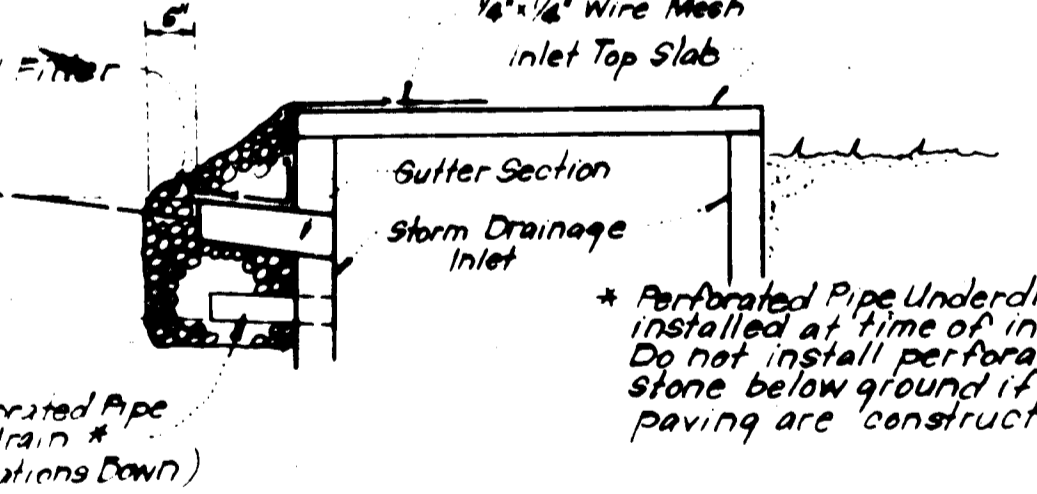
**TYPICAL PERIMETER DIKE DETAIL (PD)**  
No Scale



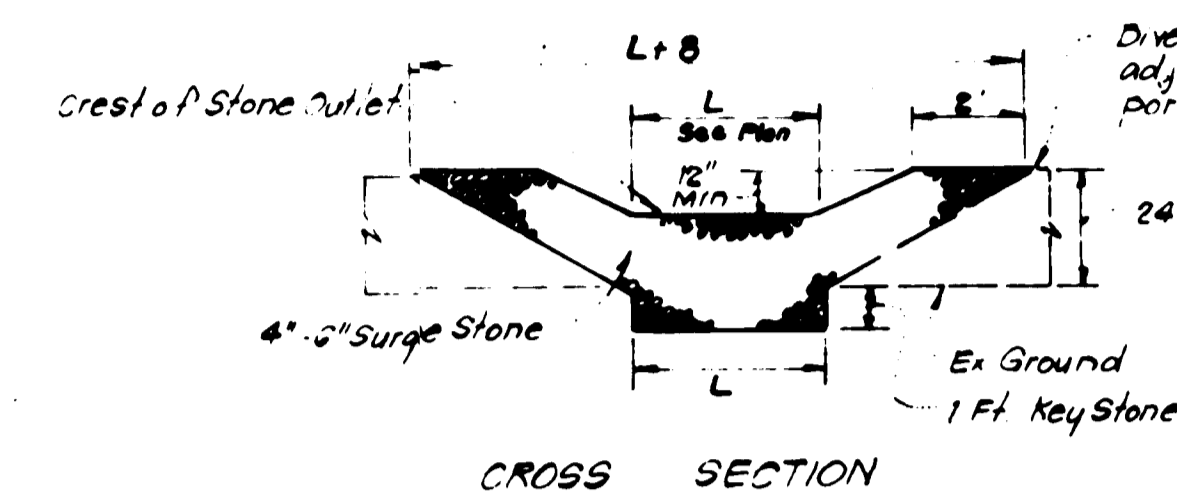
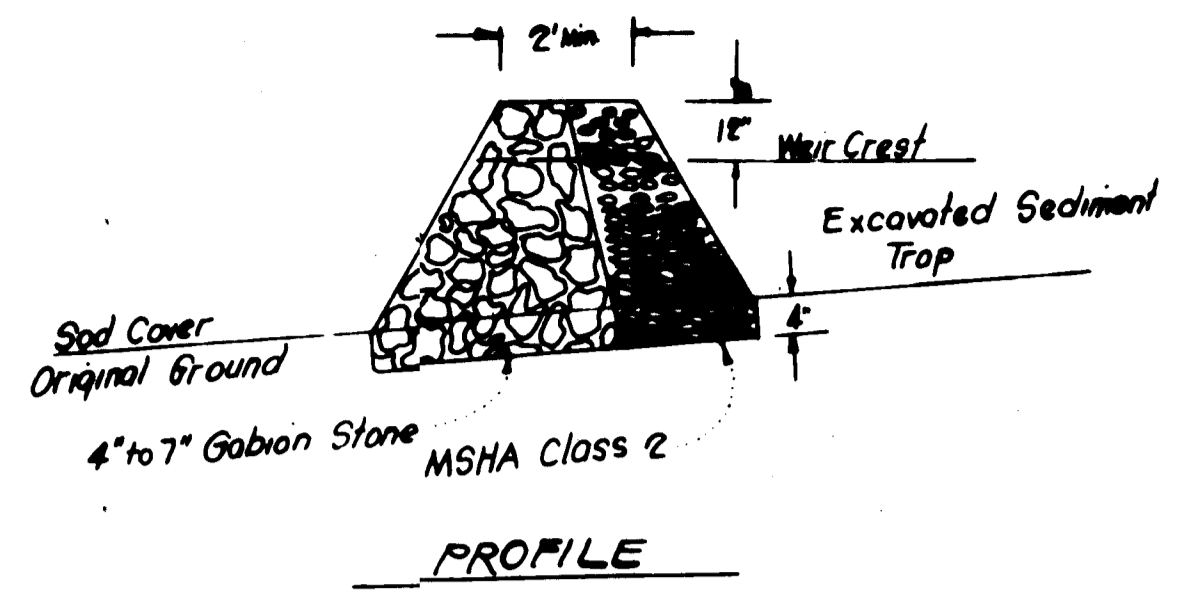
**TYPICAL DIVERSION DIKE DETAIL (D.D.)**  
No Scale



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

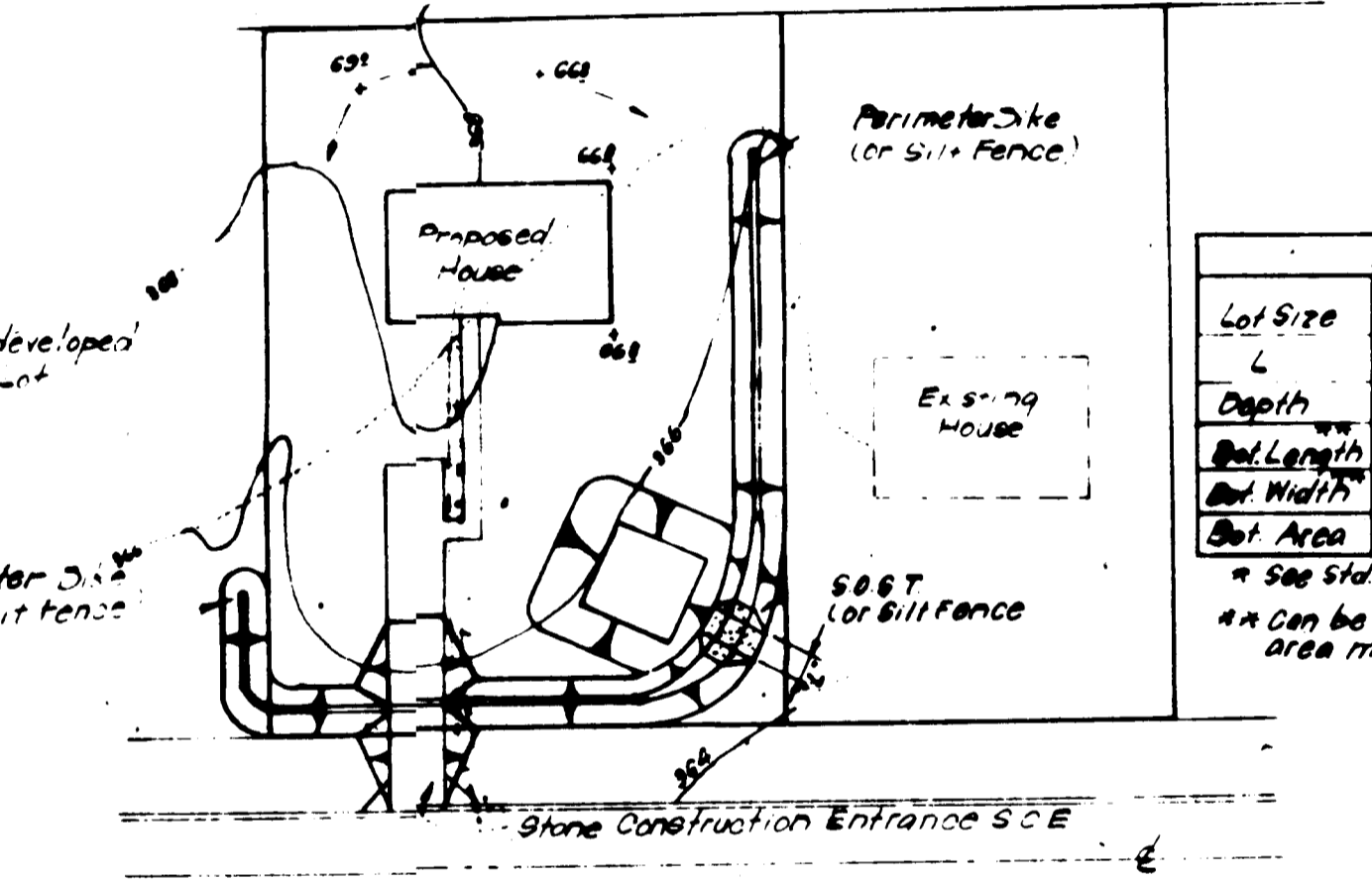


**STONE FILTER INLET PROTECTION (S.F.I.P.)**  
No Scale



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

**DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)**  
No Scale

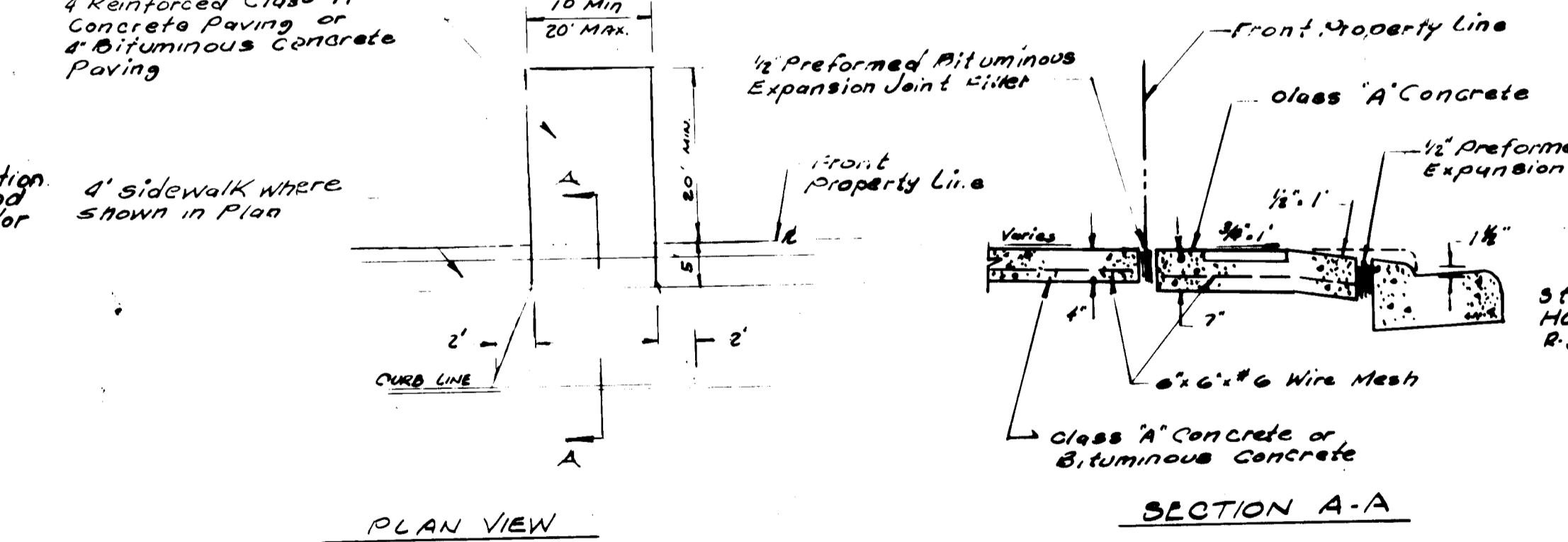


**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale

| Lot Size   | S.O.S.T.* |            |           |
|------------|-----------|------------|-----------|
|            | 1/4 AC    | 1/2 AC     | 1 AC      |
| L          | 2'        | 3'         | 6'        |
| Depth      | 2'        | 2'         | 2'        |
| St. Length | 11'       | 26'        | 26'       |
| St. Width  | 11'       | 11'        | 26'       |
| St. Area   | 171 sq ft | 2868 sq ft | 276 sq ft |

\* See S.O.S.T. pg. 20-27 for details shown  
\*\* Can be adjusted in field but bottom area must be as given or greater

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



**DRIVEWAY ABUTTING 5 FT 7" COMB. CURB & GUTTER**  
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE 11-14-83

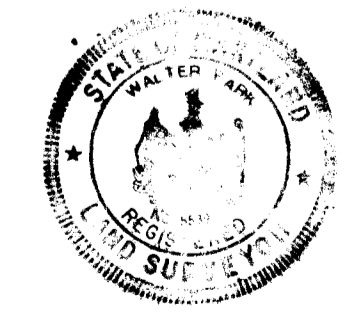
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 11-15-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 11-9-83

Reviewed for HOWARD S.C.D. Name: [Signature] Date: 11-7-83  
U.S. Soil Conservation Service  
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER'S CERTIFICATE  
I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as may be deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

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.



APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND, DATE 10-19-83

LAND DESIGN ASSOCIATES  
416 EAST JOPPA ROAD  
TOWSON, MARYLAND 21204  
(301) 521-0112

|                 |  |  |
|-----------------|--|--|
| DESIGNED<br>RLW | <b>SITE DEVELOPMENT &amp; SEDIMENT CONTROL PLAN</b><br><b>BRAMPTON HILLS</b><br>LOT 1-13 & 18-55<br>SECTION 2 AREA 1<br>2 <sup>ND</sup> ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND | SCALE<br>AS SHOWN  |
| DRAWN<br>L.D.   |  | DRAWN<br>3 OF 3  |
| CHECKED<br>RLW  |  | JOB NO.  |
| DATE<br>9/85    |  | FILE NO.   |
|                 |  | FOR: GRAYSON HOMES INC.<br>8318 JOHANNYSBONE ROAD<br>BRIGHTON MD 21117 |

SDP-84-65