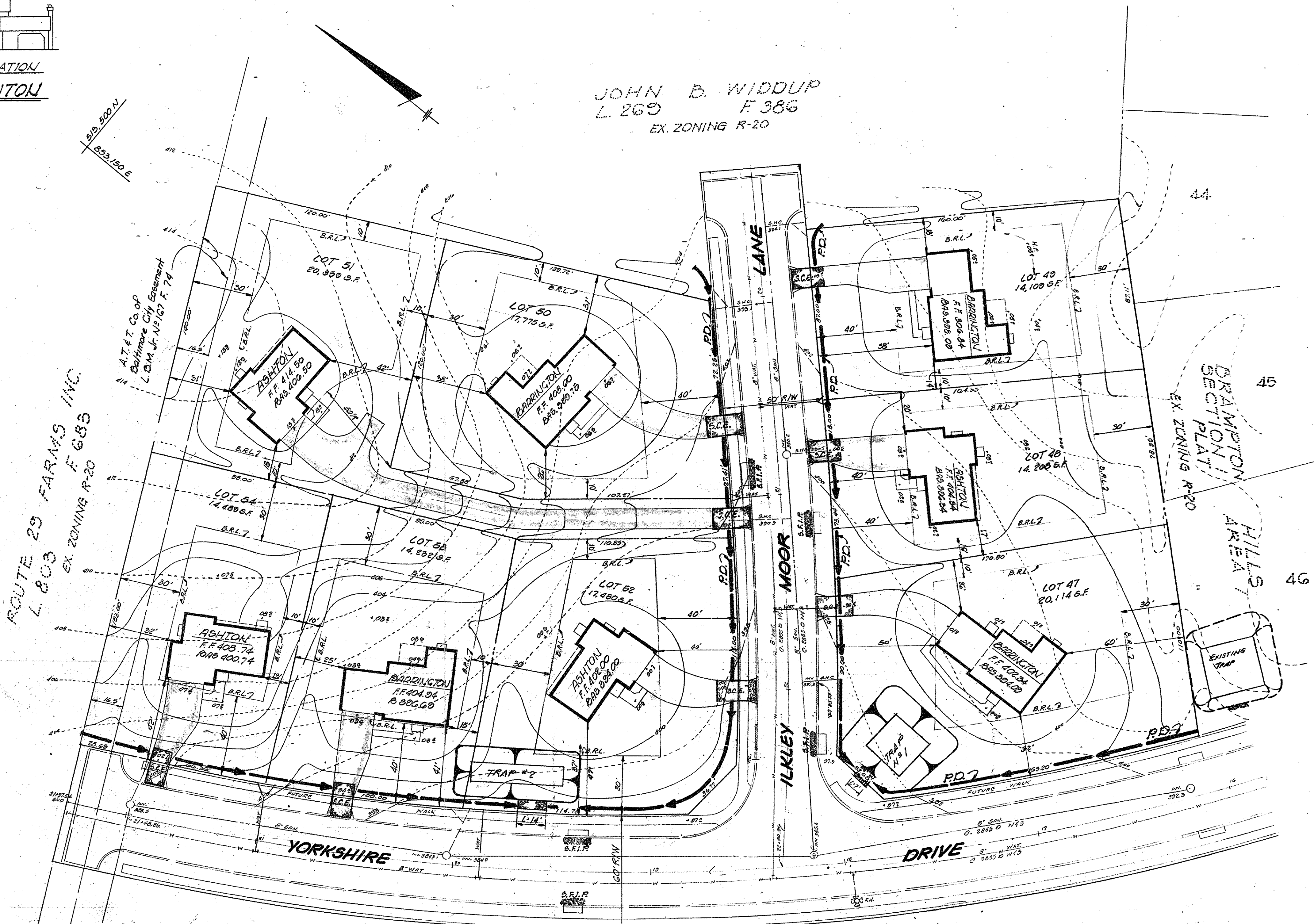


JOHN B. WIDDUP  
L. 263 F 386  
EX. ZONING R-20



- SITE DEVELOPMENT GENERAL NOTES**
1. ZONING - R-20
  2. TOTAL No. OF LOTS 8 TOTAL AREA 2047 AC.
  3. ROADWAYS, SIDEWALKS & UTILITIES ARE PUBLIC AND EXISTING
  4. LOTS ARE RECORDED ON PLAT # 4643 BAMPINGTON HILLS 51-A-1
  5. STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.181 HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER
  6. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK 922-2417 OR 922-2448
  7. STREET TREE PLANTING IN ACCORDANCE WITH SUBDIVISION REG. 16.151 WILL BE THE RESPONSIBILITY OF DEVELOPER/OWNER RESPONSIBLE PARTY THIS PROJECT  
SIGNALS ZUBKUS  
10200 RIVER ROAD  
SUITE 115 POTOMAC MD.

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

*John Miller* 5-19-83  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

*John Widdup* 5-17-83  
PLANNING DIRECTOR DATE

REVIEWED DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

*John Widdup* 5-19-83  
DATE

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

*John Widdup* 5-16-83  
DIRECTOR DATE

*John Widdup* 5-13-83  
CHIEF BUREAU OF ENGINEERING DATE

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

*John Widdup* 5-11-83  
U.S. SOIL CONSERVATION SERVICE DATE

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

*John Widdup* 5-11-83  
APPROVED DATE



TRAP #2 S.O.S.T. 57-3

D.A. = 2.2 AC.  
STORAGE REQUIRED = 22 \* 1000 = 2200 c.f.  
STORAGE PROVIDED = 3960 c.f.  
DEPTH = 4'  
TOP OF STONE CREST = 325.50  
BOTTOM ELEV. = 304.50  
BOTTOM DIM. = 47' \* 10' \* 14'

**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.

*Walter Park* 5-7-83  
SIGNATURE DATE

TRAP #1 S.O.S.T. 57-3

D.A. = 1.2 AC.  
STORAGE REQUIRED = 12 \* 1000 = 1200 c.f.  
STORAGE PROVIDED = 2205 c.f.  
DEPTH = 4'  
TOP OF STONE CREST = 308.0  
BOTTOM ELEV. = 294.0  
BOTTOM DIM. = 24' \* 23' \* 7'

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH 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 THE PROJECT. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John Widdup* 5-7-83  
SIGNATURE DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 4-25-83  
*John Widdup*

<p>■ ENGINEERING</p> <p>■ LANDSCAPE DESIGN</p> <p>■ CONSTRUCTION CONTRACTING</p> <p>■ DEVELOPMENT COST</p> <p>■ PROPERTY DEVELOPMENT</p>		<p><b>LAND DESIGN ASSOCIATES</b></p> <p>416 EAST JOPPA ROAD TOWSON MARYLAND 21204 (301) 221-0112</p>	
DESIGNED R.L.W.	SITE DEVELOPMENT AND SEDIMENT CONTROL PLAN		Scale 1" = 30'
DRAWN L.D.	<b>BRAMPTON HILLS</b>		Drawing 1 of 2
CHECKED R.L.W.	SECTION 1, AREA 1		Date MAR 1983
DATE MAR 14	HOWARD COUNTY, MARYLAND 2ND ELECTION DISTRICT		
	FOR: GRAYSON HOMES INC. 6218 JOHNNYCAKE RD. BALTO MD 21207		

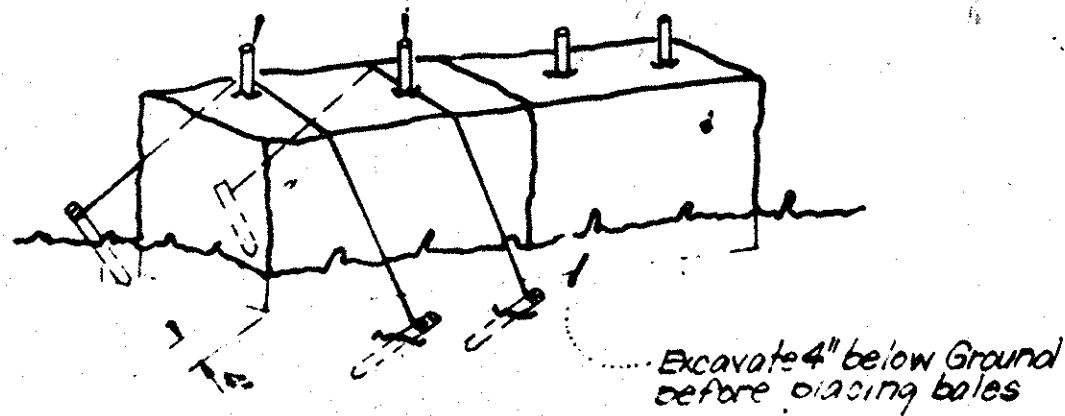
**GENERAL NOTES**

- 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 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 s.f.
- 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 5 lbs/1000 s.f. 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 s.f. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 90 lbs/1000 s.f.
  - Mulch - Weed free grain straw applied at a rate of 70-90 lbs/1000 s.f. Mulch shall be secured to the ground by any approved method i.e.; asphalt 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 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 developers 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 = 277 LF
- SITE ANALYSIS:
 

A. Total Area	3.047	Acres
B. Area to be Roofed	0.090	Acres
C. Area to be Paved	0.180	Acres
D. Area to be Seeded	1.880	Acres
E. Area Undisturbed	0.192	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.

All bales shall be fastened with non-weathering materials, e.g. wire, nylon

Two rebars or wooden stakes driven through each hole 1 1/2" - 2" into ground. Rebars to be driven flush with top of bales



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

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

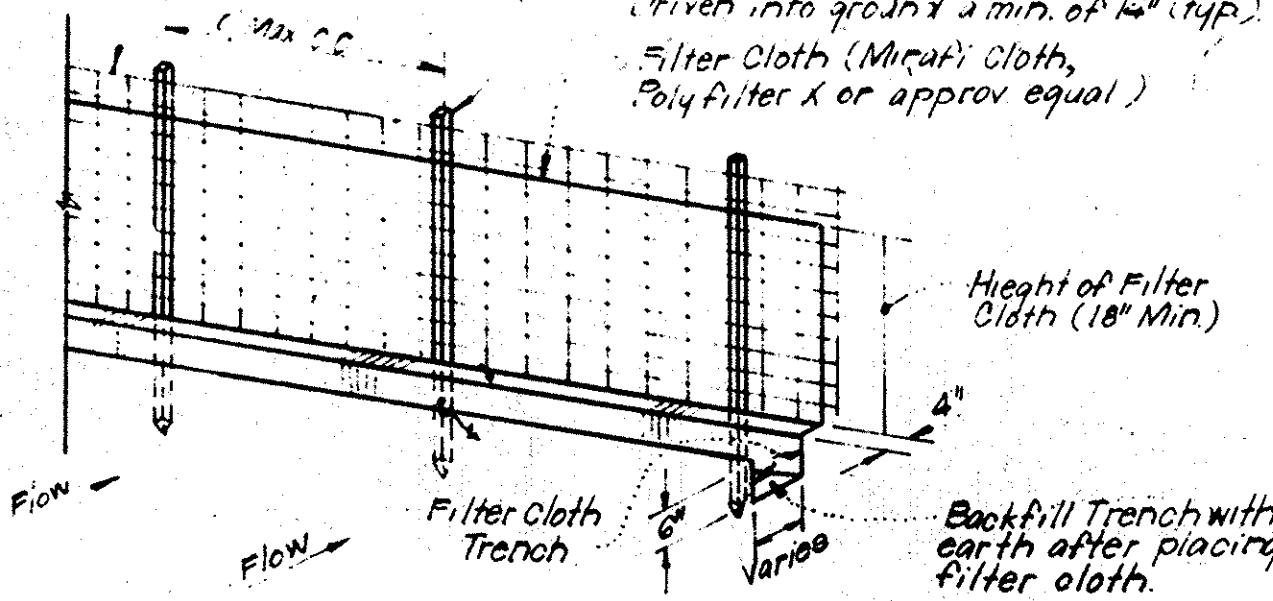
Woven Wire Fence Min 4 posts 6' Max spacing

36" Min Metal, Heavy Duty, 5 per Glass or equal, Fence Posts Driven into ground 2 min. of 1/2" trap.

Filter Cloth (MiraF) Cloth, Poly Filter X or approved equal

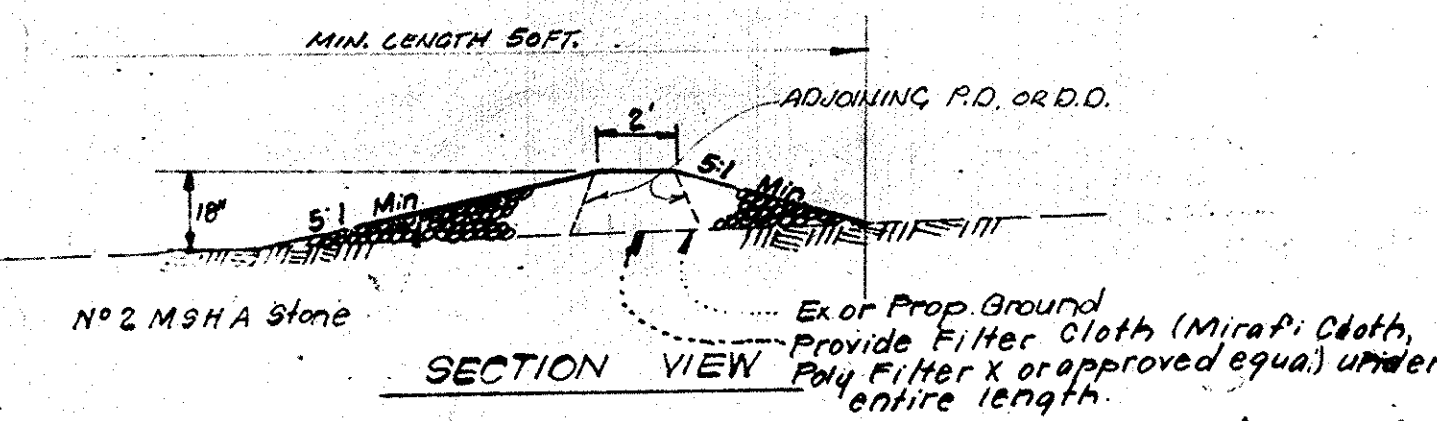
Height of Filter Cloth (18" Min)

Backfill Trench with earth after placing filter cloth.



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

**TYPICAL SILT FENCE DETAIL (S.F.)**



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

**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**



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

**STONE FILTER INLET PROTECTION (S.F.I.P.)**

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

*James M. Hahn* 5-19-83 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

*James M. Hahn* 5-19-83 DATE

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING

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

*James M. Hahn* 5-16-83 DATE

*James M. Hahn* 5-13-83 DATE

Reviewed for HOWARD S.C.D. Name and meets Technical Requirements

*James M. Hahn* 5-11-83 DATE

Signature Date

U.S. Soil Conservation Service

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

*James M. Hahn* Approved 5-11-83 Date

**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 ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Floyd Shaffer* 5-9-83 DATE

**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.

*Walter Park* 5-9-83 DATE



**LAND DESIGN ASSOCIATES**  
416 EAST JOPPA ROAD  
TOWSON, MARYLAND 21204  
(301) 921-0112

DESIGNED RLW	<b>SITE, SEDIMENT &amp; EROSION CONTROL PLAN</b> <b>BRAMPTON HILLS</b> SECTION 1, AREA 1 LOTS 47, 48, 49, 50, 51, 52, 53 & 54 2 <sup>ND</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: GRAYSON HOMES INC. 6218 JOPPA/JOYLAKE ROAD BELTS, MD. 2107	SCALE AS SHOWN DRAWING 2 of 2 JOB NO.
DRAWN L.D.		FILE NO.
CHECKED RLW		
DATE MAR 14 1983		