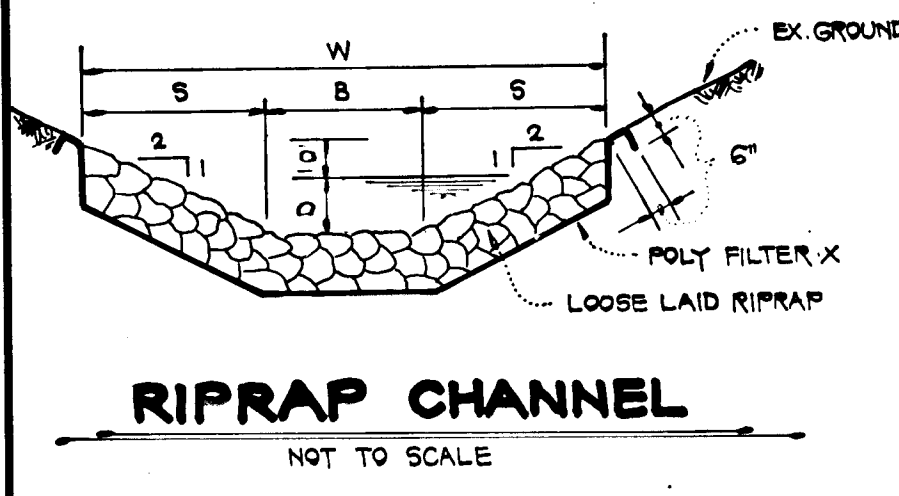
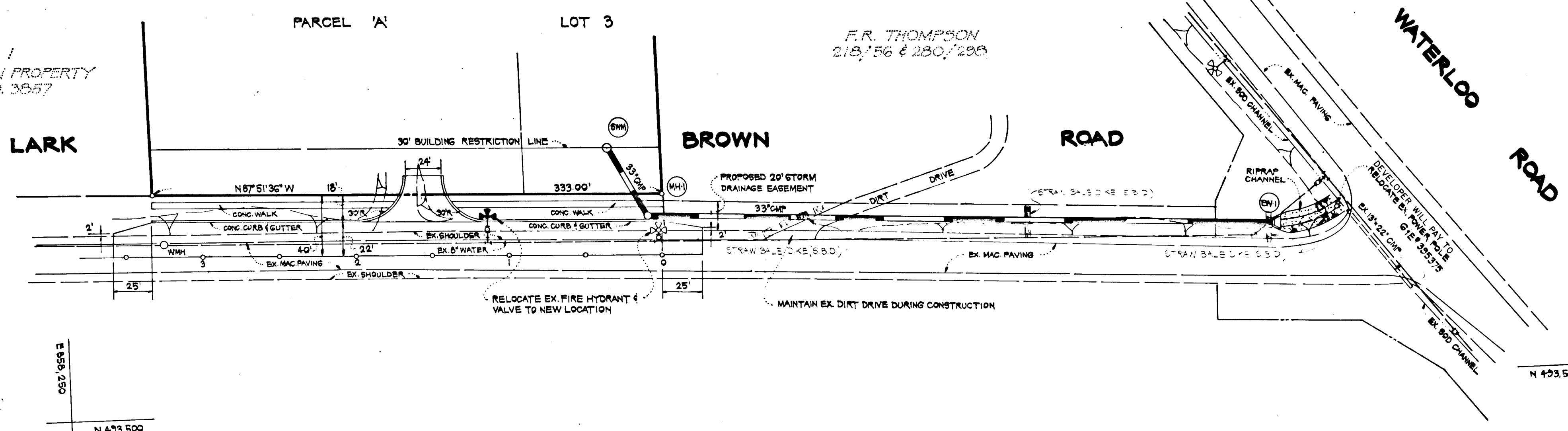


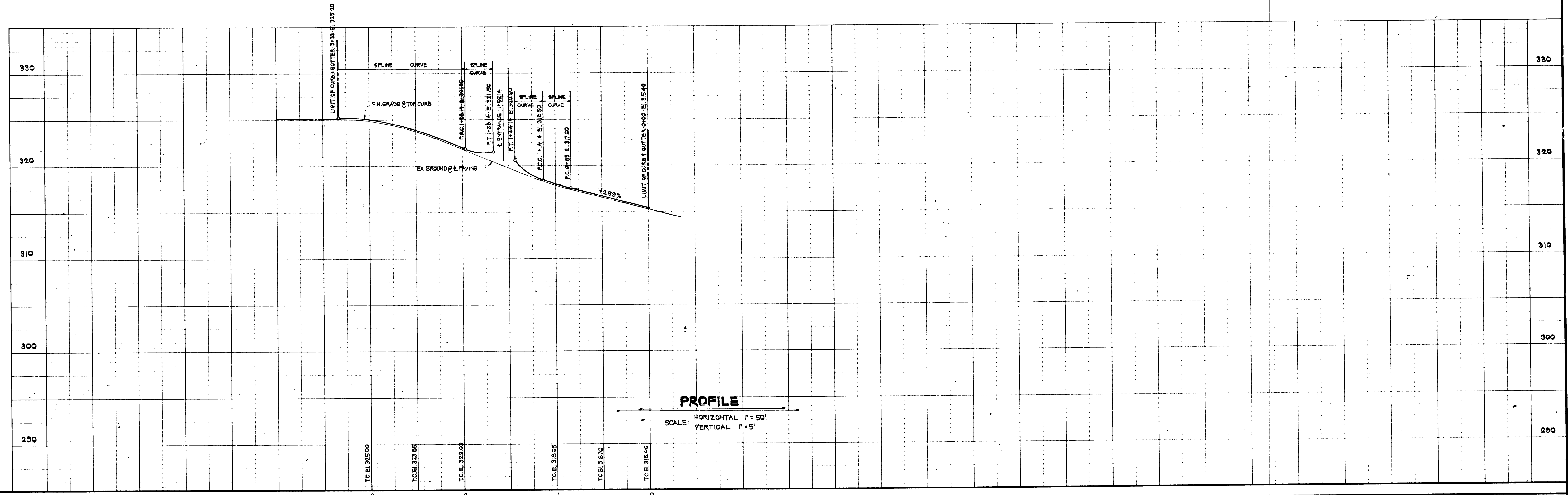
SODDING NOTES

1. Site Preparation:
 - a. Prior to sodding, 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.
 - b. Spread dolomitic limestone at the rate of 100 lbs./1,000 sq ft.
 - c. Spread 5-10-5 commercial grade fertilizer at the rate of 30 lbs./1,000 sq ft and disc into soil to a 3' depth.
2. Sod Installation:
 - a. During periods of excessive high temperatures lightly irrigate the soil immediately prior to laying the sod.
 - b. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength. Sod should not be stretched or overlapped and all joints should be tightly butted in order to prevent voids which would cause air drying of the roots. All sod to be secured by stakes or pegs.
 - c. On sloping areas, sod shall be laid with the long edges parallel to the contour and with staggered joints. Secure sod by tamping and pegging.
 - d. As sodding is completed in any one section, the entire area shall be rolled or tamped to insure soil contact of roots with the soil surface. Sod shall be watered immediately after rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight (8) hours.
3. Sod Maintenance:
 - a. In the absence of adequate rainfall, watering shall be performed daily or as often as deemed necessary by the inspector during the first week and in sufficient quantities to maintain moist soil to a depth of 4". Watering should be done during the heat of the day to help prevent wilting.
 - b. After the first week, sod shall be watered as necessary to maintain adequate moisture and insure establishment.
 - c. First mowing should not be attempted until sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2" and 3" unless otherwise specified.



RIPRAP CHANNEL DATA						
LOCATION	W	S	D	D	LENGTH	SIZE
EW-1	11.6'	3.8'	4.0'	0.9'	50'	8"
E-2	11.6'	3.8'	4.0'	0.8'	20'	6"

PLAN
SCALE: 1" = 50'

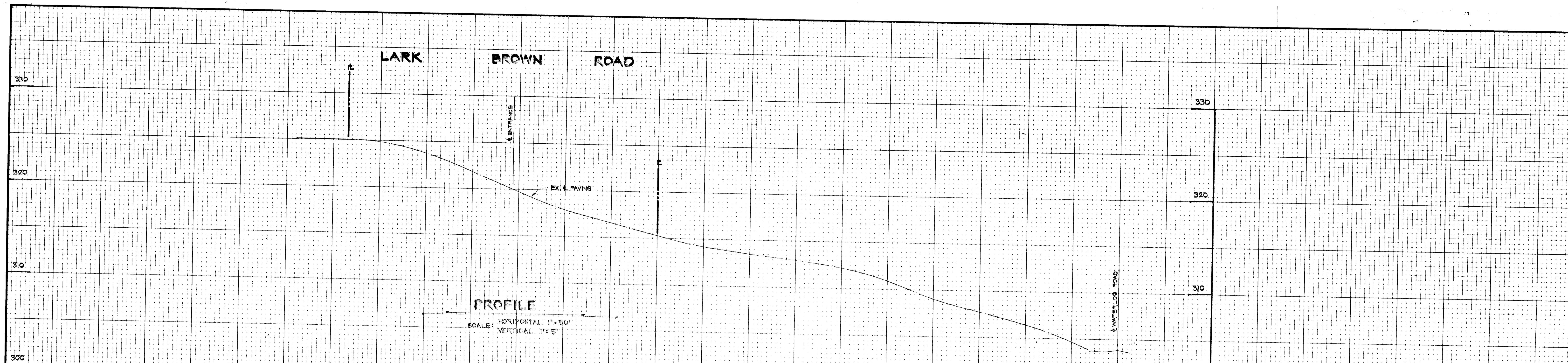


PROFILE
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 5'

APPROVED FOR PUBLIC WATER AND PRIVATE SEWER STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR DATE <i>William E. Ray</i> 1/20/83 CHIEF BUREAU OF ENGINEERING	APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING PLANNING DIRECTOR DATE <i>William M. Kelly</i> 1/20/83 CHIEF DIVISION OF LAND DEVELOPMENT DATE AND ZONING ADMINISTRATION	APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT COUNTY HEALTH OFFICER DATE	HOWARD SOIL CONSERVATION DISTRICT REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS. SIGNATURE: <i>James M. Hallock</i> DATE: 1-25-83 DATE: 1-25-83 HOWARD SOIL CONSERVATION DISTRICT	DEVELOPER I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. ALSO CERTIFY THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM BEFORE THE COMMENCEMENT OF CONSTRUCTION. SIGNATURE: <i>John C. Mellema, Sr.</i> DATE: 1/20/83 JOHN C. MELLEMA, SR. (PRES. HAMUN PROPERTIES)	ENGINEER'S 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 SOIL CONSERVATION DISTRICT. SIGNATURE: <i>John L. Schneider, Jr.</i> DATE: 1/20/83 JOHN L. SCHNEIDER, JR. MD REG NO 7517 DATE: 1/20/83 PROFESSIONAL ENGINEER	SITE PLAN PREPARED BY: JOHN C. MELLEMA, SR., INC. LAND SURVEYORS SUITE 5 & 6 6100 BALTIMORE NATIONAL PIKE BALTIMORE, MD. 21228 301-744-8880	OWNER/DEVELOPER: HAMUN PROPERTIES, INC. 96 MARYLAND ENVIRONMENTAL SYSTEMS, INC. 6655 DOBBIN ROAD COLUMBIA, MD. 21045
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ROAD IMPROVEMENTS LARK BROWN RD.
HAMUN PROPERTIES, INC.
 PARCEL 'A' & LOT 3
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DECEMBER 31, 1981 SHEET 2 OF 3 SCALE: AS SHOWN
 DRAWN BY: B. D. BURTON DESIGNED BY: B. D. BURTON CHECKED BY: J. L. SCHNEIDER, JR. JOB NO. 8168

LARK BROWN ROAD



#975

APPROVED FOR PUBLIC WATER, PRIVATE SEWER, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE
William & Robert 12/23/81
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 COUNTY HEALTH OFFICER DATE
 12/23/81

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

HOWARD SOIL CONSERVATION DISTRICT REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. I ALSO CERTIFY 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 EROSION AND SEDIMENT.
 SIGNATURE: *James M. Helphre* DATE: 12/23/81
 HOWARD SOIL CONSERVATION DISTRICT DATE: 12/23/81

ENGINEER'S 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 SOIL CONSERVATION DISTRICT.
 SIGNATURE: *John L. Schneider* DATE: 12/23/81
 JOHN L. SCHNEIDER, JR. MD REG NO 2517 12/11

SITE PLAN PREPARED BY
 JOHN C. MELLEMA, SR., INC.
 LAND SURVEYORS
 SUITE 5 & 6
 6100 BALTIMORE NATIONAL PIKE
 BALTIMORE, MD. 21228
 301-744-8880

OWNER/DEVELOPER:
 HAMUN PROPERTIES, INC.
 96 MARYLAND ENVIRONMENTAL SYSTEMS, INC.
 6655 DOBBIN ROAD
 COLUMBIA, MD. 21045

PROFILE & CROSS SECTIONS - LARK BROWN RD.
 HAMUN PROPERTIES, INC.
 PARCEL 'A' & LOT 3
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DECEMBER 31, 1981 SHEET 3 OF 3 SCALE: AS SHOWN

DESIGNED BY: B.D. BURTON CHECKED BY: J.L. SCHNEIDER, JR. JOB NO. 6116
 F-83-46