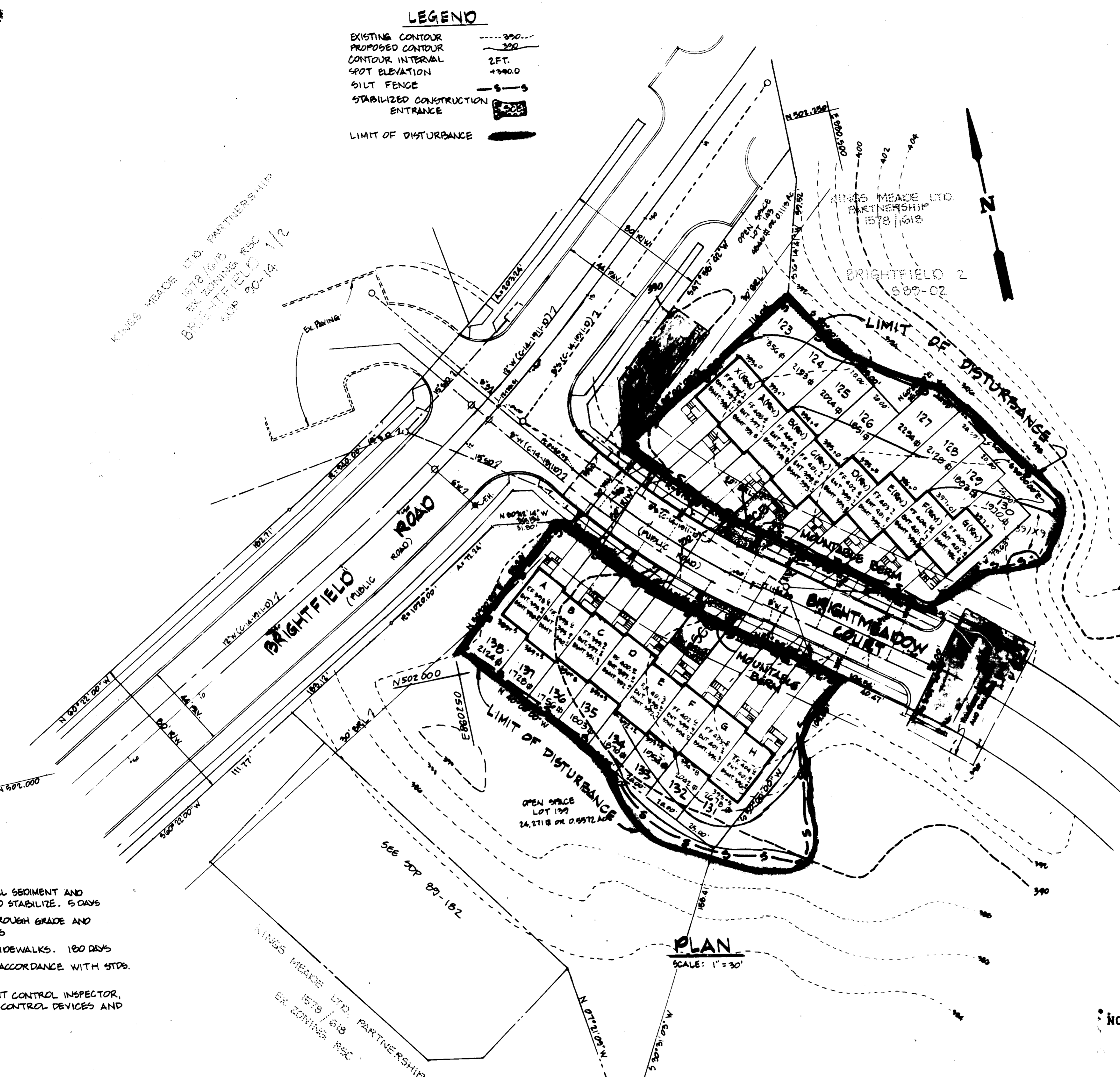


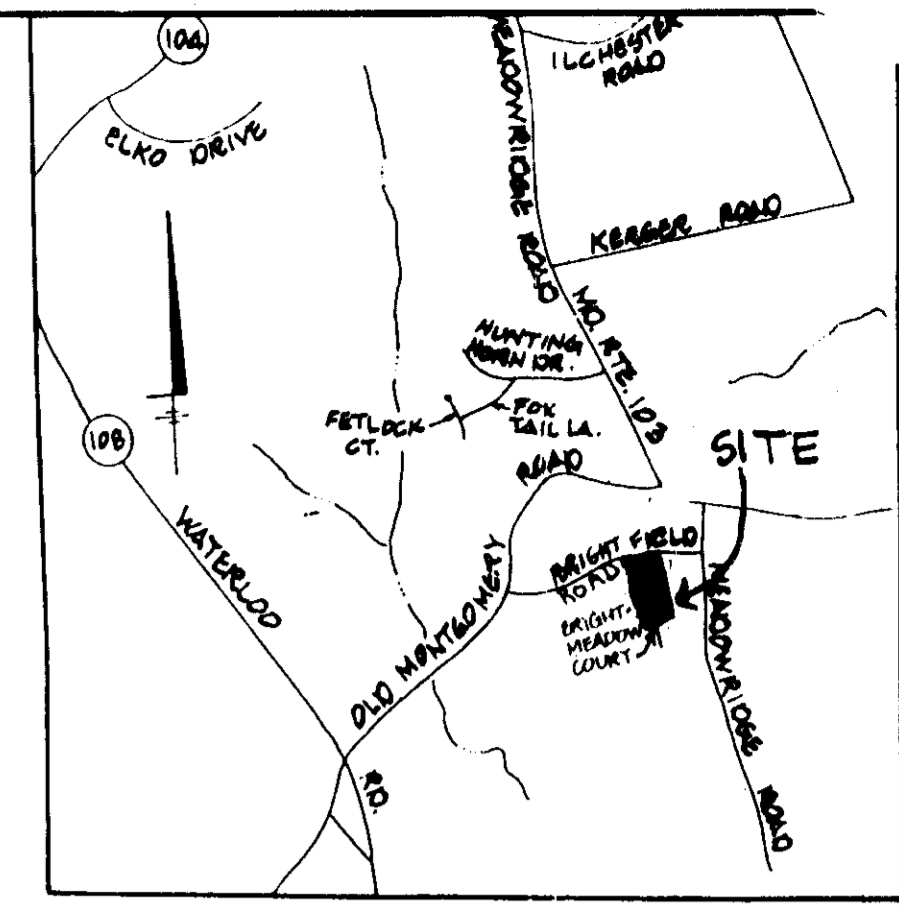
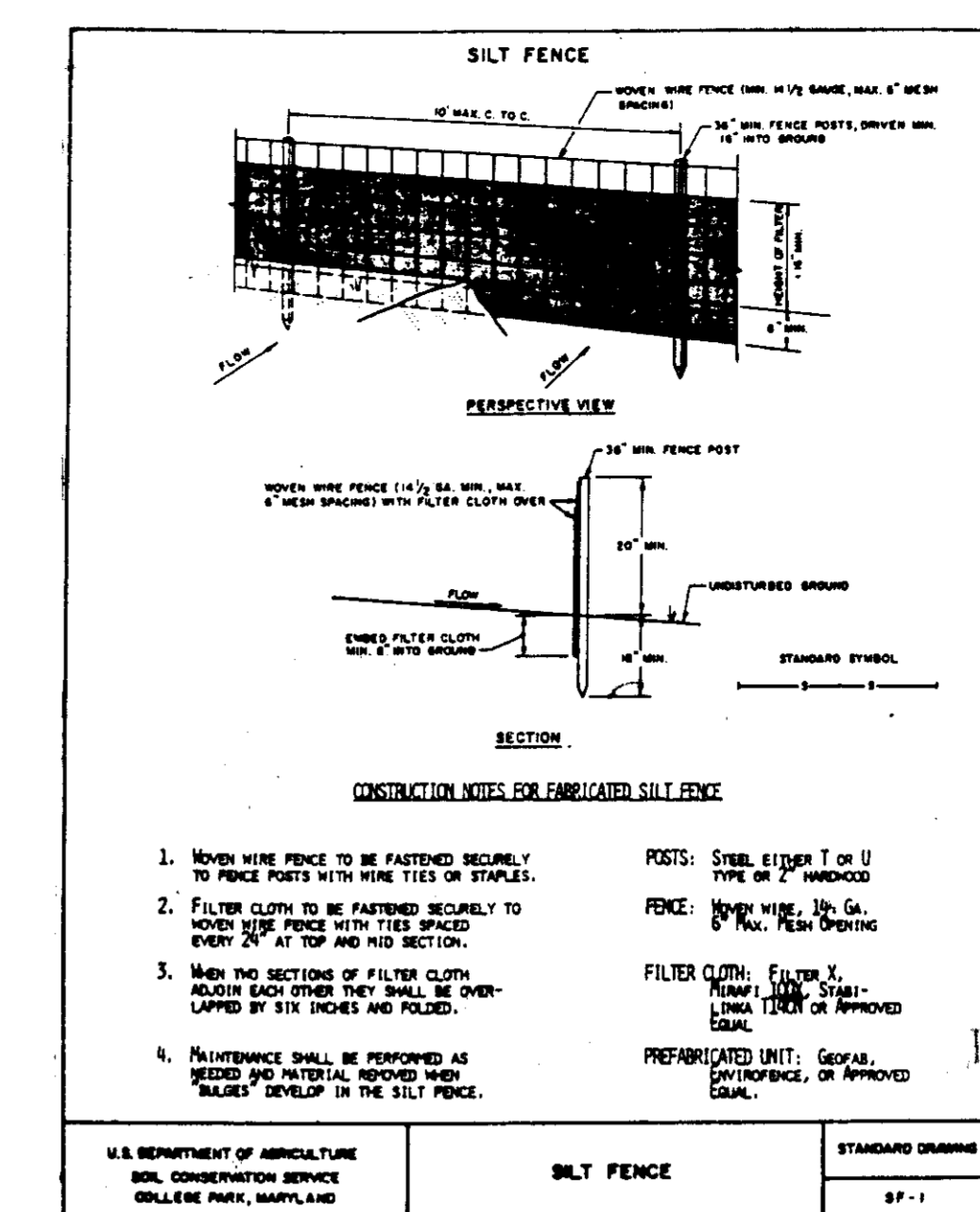
CONSTRUCTION SEQUENCE:

- OBTAIN GRADING PERMIT AND INSTALL SEDIMENT AND EROSION CONTROL MEASURES, AND STABILIZE. 5 DAYS
- EXCAVATE FOR FOUNDATIONS AND ROUGH GRADE AND TEMPORARILY STABILIZE. 15 DAYS
- CONSTRUCT STRUCTURES AND SIDEWALKS. 100 DAYS
- FINE GRADE AND STABILIZE IN ACCORDANCE WITH STDS. AND SPECS. 5 DAYS
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT AND EROSION CONTROL DEVICES AND STABILIZE. 5 DAYS.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>Joyan Boyler</i> 2-21-90 DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	<i>Mark J. ...</i> 3-15-90 DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>...</i> 2/14/90 DATE
...	<i>...</i> 2-14-90 DATE



KINGS MEADE LTD. PARTNERSHIP
1578 / 618
EX ZONING REC
BRIGHTFIELD 2
1578-618



- SEDIMENT CONTROL NOTES:**
- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (1992-2437).
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1.
 - 14 days as to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 121 of the Howard County Design Manual, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 Maryland Standards and Specifications for Soil Erosion Control for permanent seedings (Sec. 51) and (Sec. 54) temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operating condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:
 - Total Area of Site 74 Acres (3,300,000 sq. ft.)
 - Area Disturbed 211 Acres (9,300,000 sq. ft.)
 - Area to be seeded or paved 233 Acres (9,540,000 sq. ft.)
 - Area to be vegetatively stabilized 233 Acres (9,540,000 sq. ft.)
 - Total Cut 600 cu. yds. (includes 10% compaction)
 - Total Fill 600 cu. yds.
 - Offsite water/runoff area location W/S
 - Any sediment control practice which is disturbed by grading activities or placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment control must be provided if deemed necessary by the Howard County Sediment Control Inspector.
 - On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

- Soil Recommendations:** In lieu of soil test recommendations, use one of the following schedules.
- Preferred - apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 urethane fertilizer (19 lbs./1000 sq. ft.)
 - Acceptable - apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.
- Seeding:** For periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with Kentucky 31 Tall Fescue per acre and 2 lbs. per acre 10-00-10 lb./1000 sq. ft. of seeding legumines. During the period of October 16 thru February 28, protect site by seed as soon as possible in the spring. Option (2) use seed. Option (3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre 15 gal./1000 sq. ft. of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 240 gallons per acre 10 gal./1000 sq. ft.) for anchoring.
- Maintenance:** Inspect all areas and make needed repairs, replacements and reseedings.
- EMERGENCY SEEDING NOTES:**
- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seeded/Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Recommendations:** Apply 60 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.)
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (12 lbs./1000 sq. ft.). For the period May 1 thru August 15, seed with 3 lbs. per acre of seeding legumines (8.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre 15 gal./1000 sq. ft. of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 240 gal. per acre 10 gal./1000 sq. ft.) for anchoring.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. For rates and methods not covered.

NOTE: ALL TEMPORARY SWM IS PROVIDED IN BASIN APPROVED IN F 89-19

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>Joyan Boyler</i> 2-21-90 DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	<i>Mark J. ...</i> 3-15-90 DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>...</i> 2/14/90 DATE
...	<i>...</i> 2-14-90 DATE

THESE PLANS HAVE BEEN REVIEWED BY THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

James M. Helm 10/26/89
SOIL CONSERVATION SERVICE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *John L. ...* 10/26/89
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.

Rodolph Mayh 9/12/89

DEVELOPER'S/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 the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as is deemed necessary.

Tom Testers 9/12/89

OWNER

KINGS MEADE LIMITED PARTNERSHIP
1578 GUILDFORD RD.
SUITE 210
JESSUP, MARYLAND 20794
(301) 661-6664

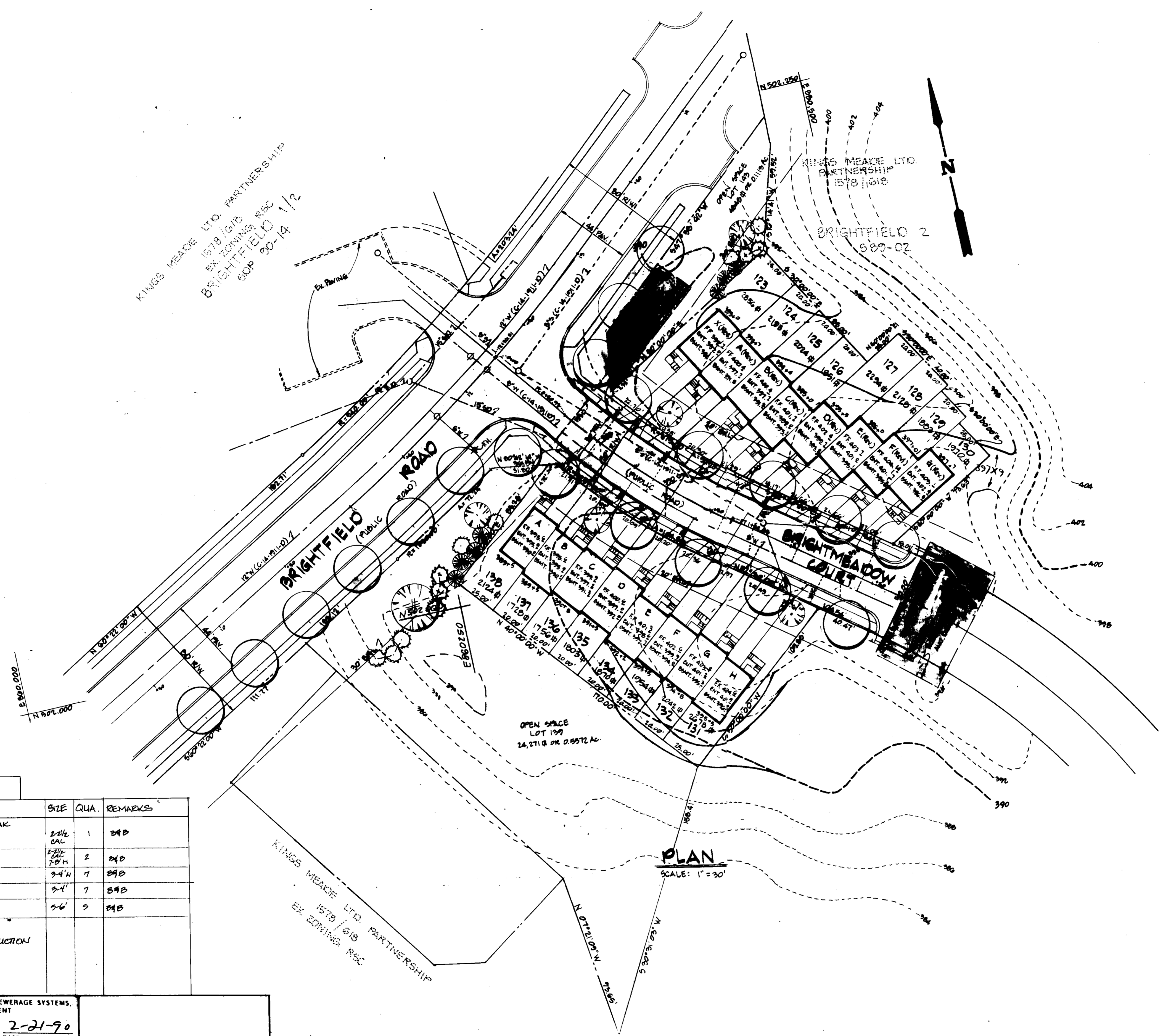
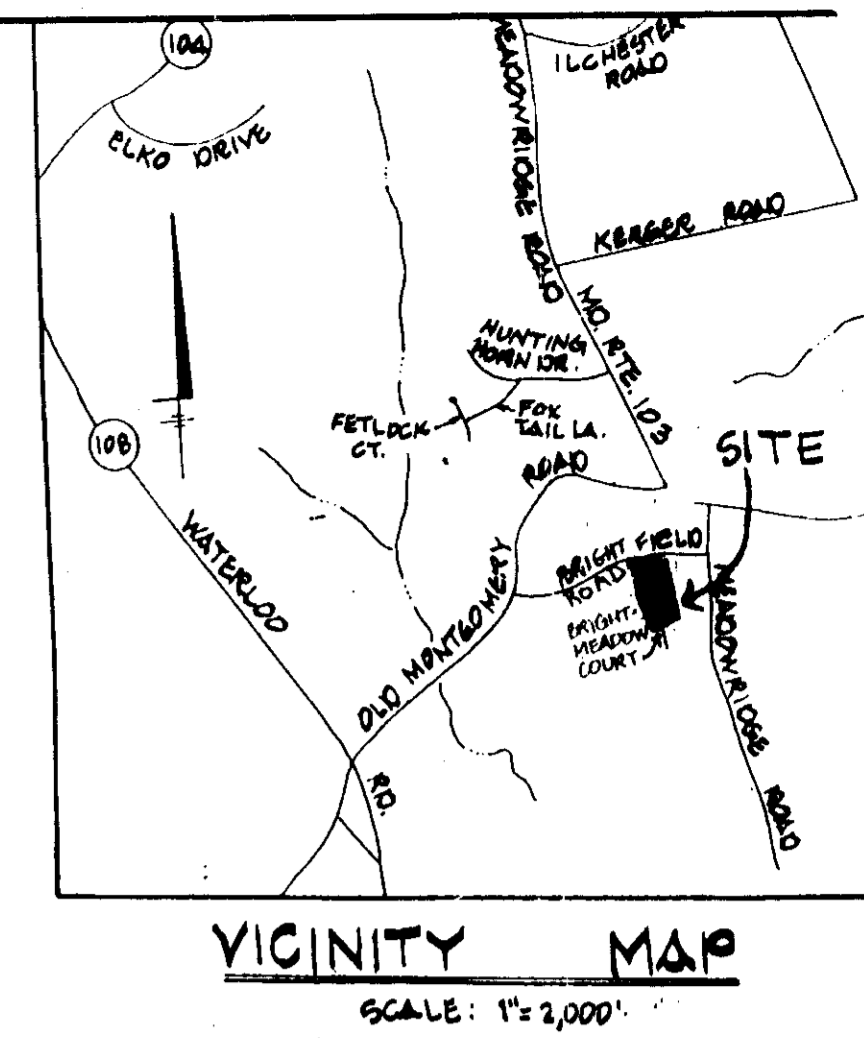
LAND DESIGN ENGINEERING, INC.
10820 Guilford Road • Suite 210 • Jessup • Maryland 20794 • (301) 664-8264 • (301) 660-0734

DESIGNED <i>TJM</i>	SEDIMENT AND EROSION CONTROL PLAN LOTS 123 THRU 130 SECTION 1 AREA 2 BRIGHTFIELD 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1"=30'
DRAWN <i>KLB</i>		DRAWING: 2 OF 3
CHECKED <i>RLM</i>	JOB NO.	
DATE	FILE NO.	

FOR: **RYAN HOWES, INC.**
1578 GUILDFORD ROAD SUITE 200
JESSUP, MARYLAND 20794

Rodolph Mayh
10/18/89

SDP-90-67



PLANT SCHEDULE

KEY	NAME	SIZE	QUA.	REMARKS
	QUERCUS RUBRA, NORTHERN RED OAK	2 1/2' OAL	1	24B
	MALVUS SARGENTII, SARGENT CRAP	1 1/2' OAL	2	24B
	PINUS MUGHO	3 1/4'	7	24B
	PINUS STROBUS	3 1/4'	7	24B
	PINUS STROBUS	3 1/2'	5	24B
	STREET TREE AS PER ROAD CONSTRUCTION PLAN 10-21-88			

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING & ZONING
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

10-11-89



Robert Mould
9/12/89

LAND DESIGN ENGINEERING, INC.
 10820 Guilford Road • Suite 210 • Jessup • Maryland 20794 • (301) 604-6264 • (301) 690-0734

DESIGNED JKL	LANDSCAPE PLAN LOTS 123 THRU 138 SECTION 1 AREA 2 BRIGHTFIELD 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1"=30'
DRAWN JKL		DRAWING 30P3
CHECKED RLM		JOB No. 89-402
DATE		FILE No.

OWNER:
KING'S MEADE LIMITED PARTNERSHIP
10020 GUILFORD RD
SUITE 210
JESSUP, MARYLAND 20794
(301) 604-6264

FOR:
RYAN HOMES, INC.
9175 GUILFORD ROAD SUITE 200
COLUMBIA, MARYLAND 21046