

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendment: In lieu of soil test recommendations, use one of the following schedules:

- 1) **Pre-seeding:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 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 10-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) **Post-seeding:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 50 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. 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 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

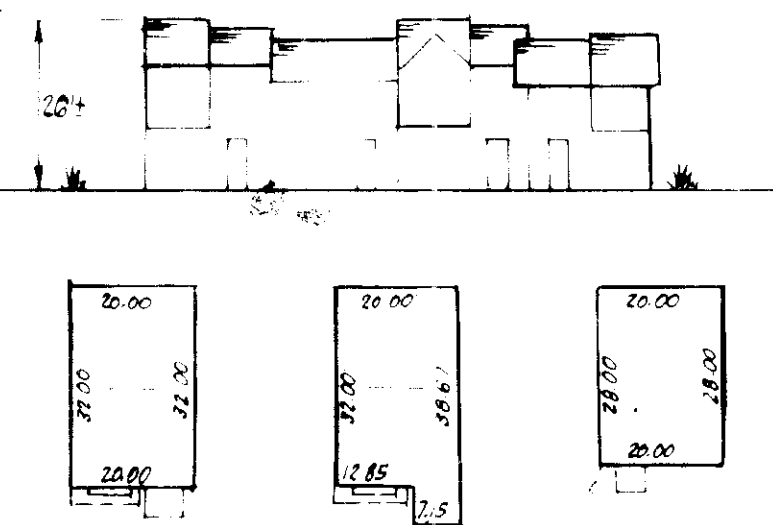
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendment: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

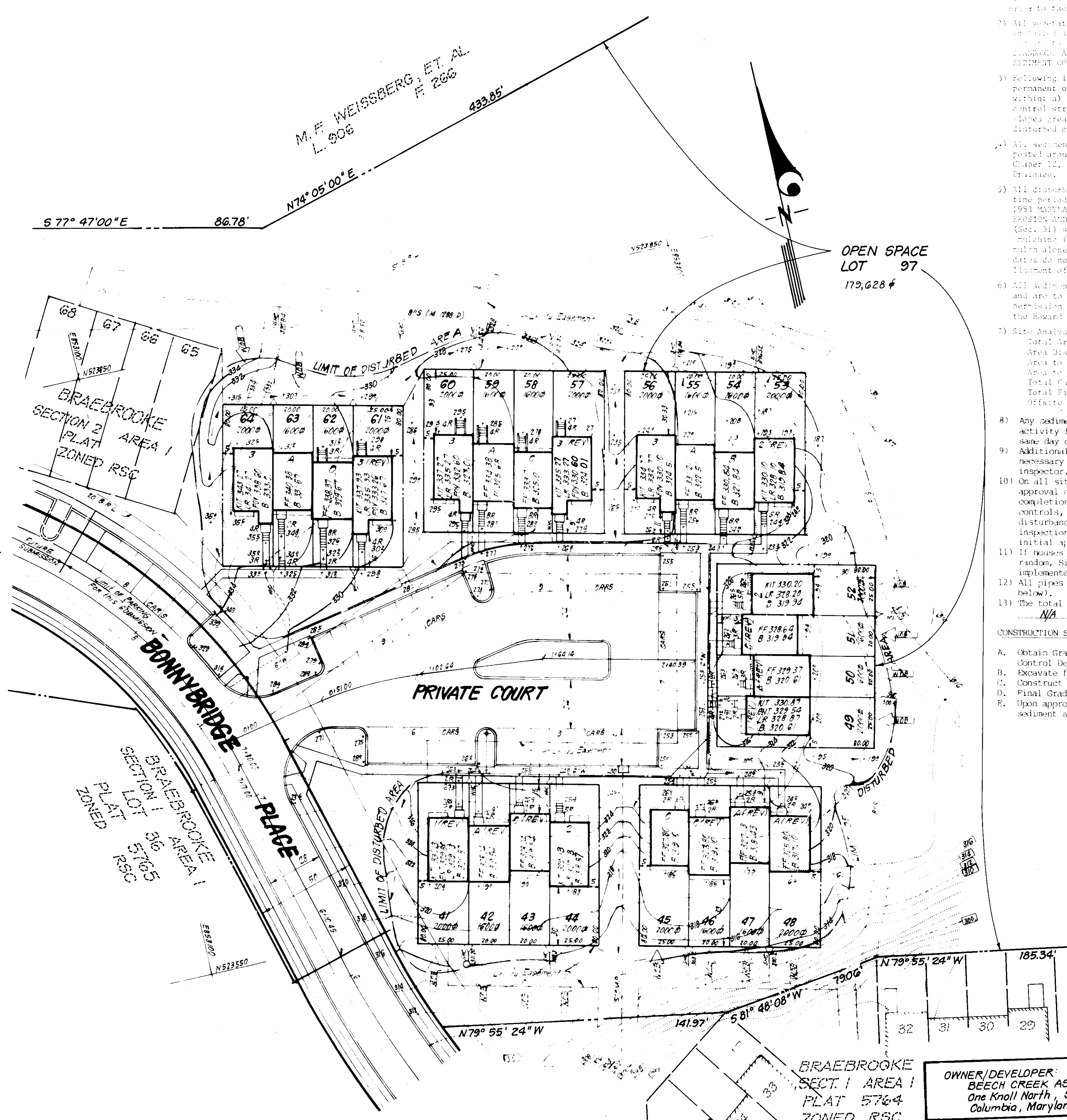
Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 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.



TYPICAL HOUSES



- SEDEMENT CONTROL NOTES:**
- 1) A minimum of 24 hours notice must be given to the Howard County District Inspector and Permit prior to the start of any construction. (07-211)
 - 2) All vegetative and structural practices are to be installed according to the provisions of this plan and the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within a 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, by 14 days as to all other disturbed or graded areas on the project site.
 - 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 31) and temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
 - 6) All sediment control structures are to remain in place until approved for their removal has been obtained from the Howard County Sediment Control Inspector.
 - 7) **Site Analysis:**
 Total Area of Site: 0.2917 Acres
 Area Disturbed: 1.4500 Acres
 Area to be roofed or paved: 0.3364 Acres
 Area to be vegetatively stabilized: 1.0536 Acres
 Total Cut: 1400 Cu. yds
 Total Fill: 1285 Cu. yds
 Offsite waste/borrow area location: N/A
 - 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - 9) Additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control Inspector.
 - 10) 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.
 - 11) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
 - 12) All pipes to be blocked at the end of each day (see detail below).
 - 13) The total amount of straw bale dikes/silt fence equals N/A L.P.

- CONSTRUCTION SEQUENCE:**
- A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
 - B. Excavate for foundations and Rough Grade.
 - C. Construct Structures, Sidewalks and Driveways.
 - D. Final Grade and stabilize in accordance with Stds. & Specs.
 - E. Upon approval of the sediment control inspector, remove sediment and erosion control and stabilize.

- GENERAL NOTES:**
1. The area included is zones: 250
 2. Seed rates are based on Howard County Storm Drainage 320.301 and 320.3010.
 3. All roadways are to be privately owned and maintained.
 4. The area covered is located on Tax Map No. 34, Pk. 122
 5. Any damage to county owned rights of way shall be corrected at the developer's expense.
 6. Total area included in this plan is 1.32 Acres
 7. Total number of Units: 24
 8. Maximum Building Coverage allowed per lot is 40%.
 Types 1 & 2: 714.3 sq. ft. (Min. Lot Size Regd, Type 1 & 2)
 Types A, B, C, D: 590.4 sq. ft. (Min. Lot Size Regd, Types A, C, D)
 9. Parking Spaces Required: 48
 Parking Spaces Provided: 48
 10. Storm Water Management provided in facilities in Braebrooke, Sect. 1 F-84-54.
- LEGEND:**
1. Temporary dike
 2. Erosion control
 3. Processed mulch
 4. Spot Elevation
 5. Direction of Drainage
 6. Existing trees to be saved
 7. Walk out Basement

LOT NO.	STREET ADDRESS
4	3730 BONNYBRIDGE PLACE
5	3732 "
6	3734 "
7	3736 "
8	3740 "
9	3742 "
10	3744 "
11	3746 "
12	3750 "
13	3752 "
14	3754 "
15	3756 "
16	3760 "
17	3762 "
18	3764 "
19	3766 "
20	3770 "
21	3772 "
22	3774 "
23	3776 "
24	3780 "
25	3782 "
26	3784 "
27	3786 "

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

John M. Boydman 7/19/85
 HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

John M. Boydman 7-22-85
 PLANNING DIRECTOR

John M. Boydman 7-19-85
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

John F. Neumaier 7-18-85
 DIRECTOR

John F. Neumaier 7-18-85
 CHIEF BUREAU OF ENGINEERING

5-13-85
John M. Boydman

Public Water & Sewer shown for Reference Only. For more details see Water & Sewer Plans Contract No. 14-1288-D.
 See Road Construction Plans for Installation of Public Utilities.

Reviewed for *Howard* S.C.D. Name and meets Technical Requirements
 Signature: *Stephen L. Smith* Date: 7-15-85
 U.S. Soil Conservation Service

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 are deemed necessary."

B. Paul Montgomery 4-12-85
 Signature of Developer/Builder
 B. PAUL MONTGOMERY

NOTE: SEDIMENT & EROSION CONTROL PROVIDED BY PREVIOUSLY APPROVED PLANS F-84-207.

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.

G. Nelson Clark 7-12-85
 Signature
 G. NELSON CLARK

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS

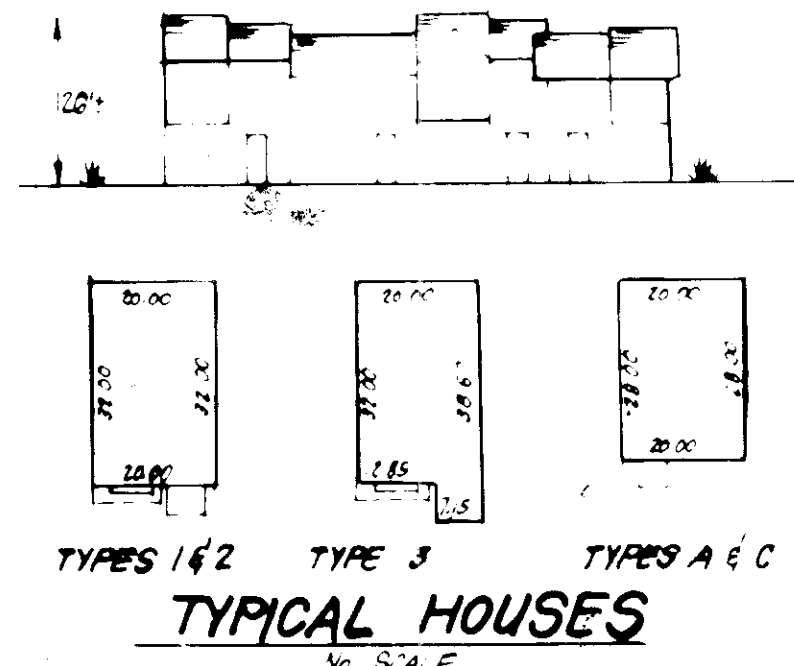
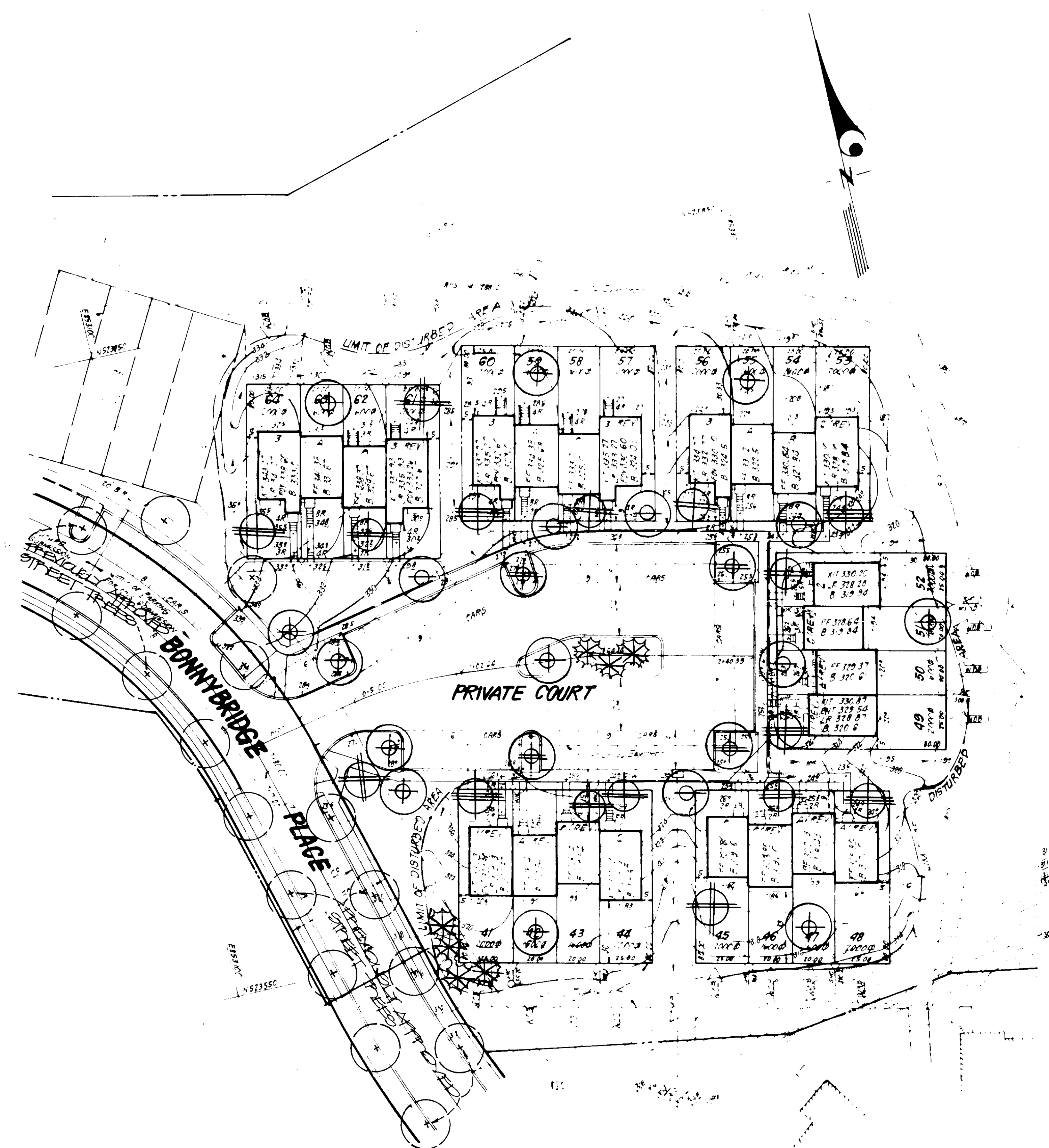
11317 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

SITE DEVELOPMENT PLAN & SEDIMENT & EROSION CONTROL PLAN
 LOTS 41 THRU 64
BRAEBROOKE
 SECTION 2 AREA 1
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR DIVERSIFIED HOUSING
 10015 Old Columbia Rd.
 Columbia, Md 21046

SCALE: 1"=30'
 DRAWING: 110F.2
 JOB NO: 84-038
 FILE NO: 84-038-X

DESIGNED: JLS, JME
 DRAWN: JLS
 CHECKED: JLS, JME
 DATE: 4-12-85

SDP 85-184



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 7-14-85
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 7-22-85
 PLANNING DIRECTOR DATE

[Signature] 7-19-85
 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
 [Signature] 7-18-85
 DIRECTOR DATE

[Signature] 7-18-85
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY MARYLAND
 DATE 5-13-85
 [Signature]

OWNER/DEVELOPER
 BEECH CREEK ASSOCIATES
 One Knoll North, Suite 502
 Columbia, Maryland 21045

Wigard P. Thain
 7-11-85

PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACEP PURPUM 'SUNSET' SUNSET MAPLE	2 1/2 GAL 2-14 FT	11	D&B HEAVY HEADS
⊕	QUEPCLD PALLIDIS PIN OAK		6	
⊕	QUEPCLD PURPA NORTHERN RED OAK		4	
⊕	FRUNUS PEPID 'KNAZAN' KNAZAN CHEST	2-2 1/2 GAL 8-10 FT	3	
⊕	FRUNUS C. 'THUNDERCLOUD' PURPLELEAF FL PLUM		6	
⊕	CORNUS FLORIDA FLOWERING DOGWOOD		7	
⊗	FINUS STROBUS EXOTERN WHITE PINE	6-8 FT	7	D&B HEAT

NOTES:

- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH ATTACHED SPECIFICATIONS.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT, (803-3400).

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: JPC
 DRAWN: JPC
 CHECKED: JPC
 DATE: 4-16-85

LANDSCAPE PLANTING PLAN
 LOTS 41 THRU 64
 [Signature]
 SECTION 2 APES I
 2ND ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 FOR 8 DIVERSIFIED HOUSING
 LOTS 41-64 COLUMBIA PD
 COLUMBIA, MD 21046

SCALE: 1"=20'
 DRAWING: 2 OF 2
 JOB NO: 84-038
 FILE NO: LS 84-038