

ADDRESS CHART			
LOT	STREET ADDRESS	LOT	STREET ADDRESS
67	Grimes Golden Ct	86	Thornfree Ct
68	6815	87	6709
69	6823	88	6714
71	6827	89	6710
72	6830	91	6706
73	6826	92	6748
74	6812	93	
75	6818	94	
76	6814	95	
77	6810	96	
78	6802	97	
79	6846	98	NOT INCLUDED
80	6842	99	
81	6838	100	
83	6824	101	
84	6820		

GENERAL NOTES:

- All coordinates are based on Howard County Control Station "Sewell"
- The total area included in this plan is 4.8173 Acres
- All roadways are public & existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense
- Total number of lots: 23.
- Stormwater Management provided in central facility for Sewells Orchard, Section 3 Area 1, F-84-215.
- Sediment and Erosion Control provided by Previously Approved Plans F-84-215, F-85-40 & F-85-71.

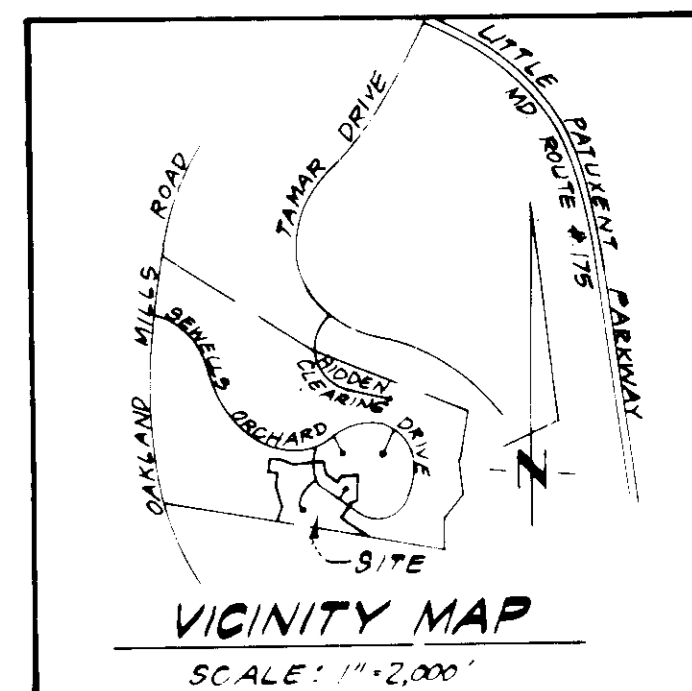
LEGEND:

- Contour Interval 2 FT
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be retained
- Walk-Out Basement
- Timber Retaining Wall

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
 Signature of Developer/Builder
 Date: 5-20-85



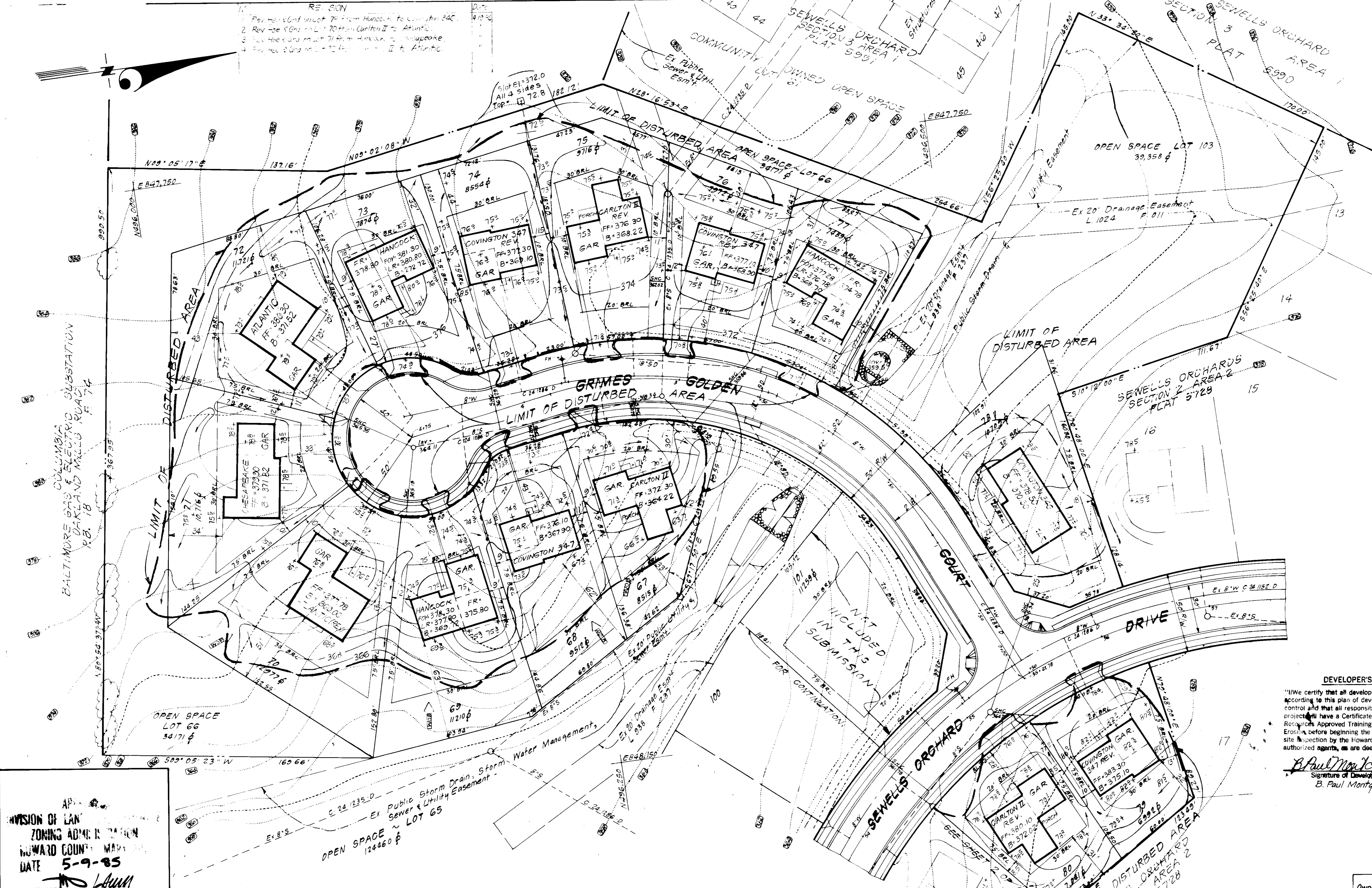
Reviewed for Howard S.C.D. Name and meets Technical Requirements
 Signature Date
 U.S. Soil Conservation Service

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

ENGINEER'S CERTIFICATE

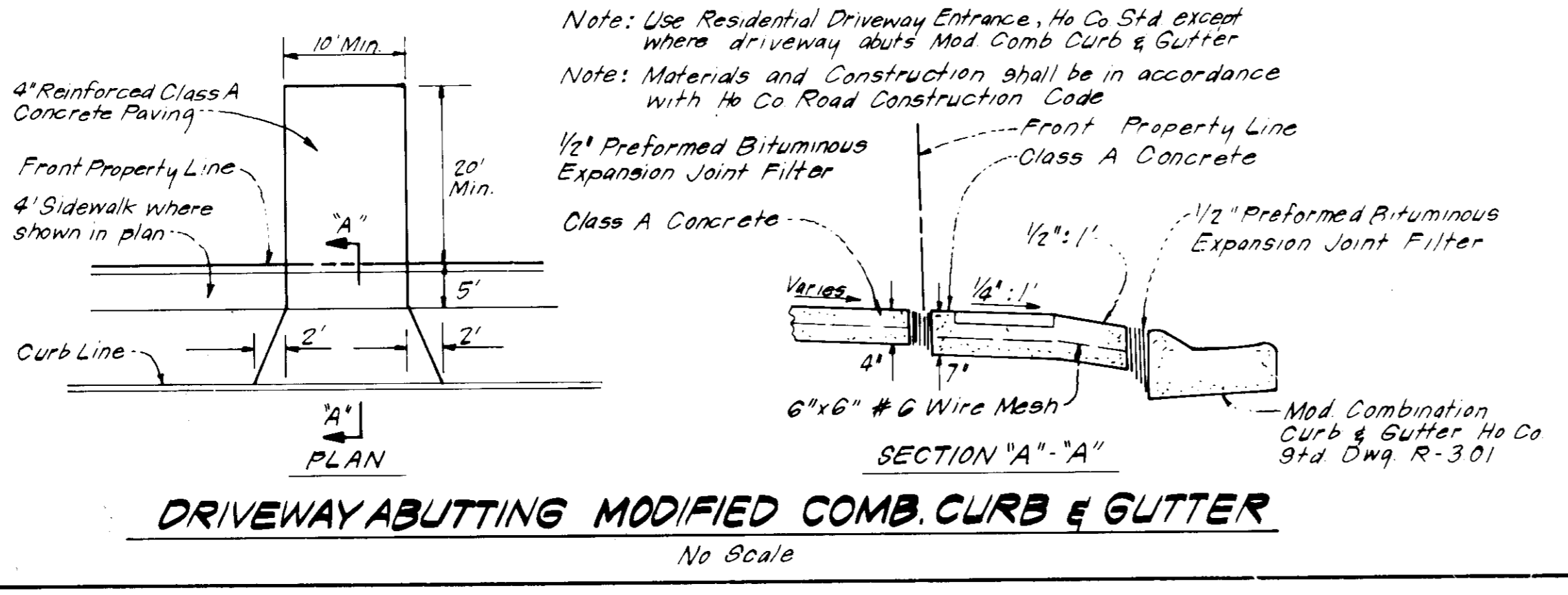
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark
 Signature
 Date: 5-23-85
 G. Nelson Clark



APPROVED FOR LAND ZONING ADMINISTRATION
 HOWARD COUNTY
 DATE 5-9-85
[Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 5-28-85
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 5-28-85



Note: Use Residential Driveway Entrance, No Co Std. except where driveway abuts Mod Comb Curb & Gutter
 Note: Materials and Construction shall be in accordance with No Co Road Construction Code

SEDEMENT CONTROL NOTES

- 1) 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 (992-2437).
- 2) 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.
- 3) Following initial soil disturbance or redistribution, 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, b) 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. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

- 7) Site Analysis:
 Total Area of Site 4.8173 acres
 Area Disturbed 4.8132 acres
 Area to be roofed or paved 1.1301 acres
 Area to be vegetatively stabilized 2.6831 acres
 Total Cut 1329 Cu. yds
 Total Fill 6222 Cu. yds
 Offsite waste/borrow area location _____
- 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 controls must be provided, if deemed necessary by the Howard County DPM sediment control inspector.
 - 10) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
 - 11) All pipes to be blocked at the end of each day (see detail below).
 - 12) The total amount of straw bale dikes/silt fence equals 0-0 L.F.

CONSTRUCTION SEQUENCE:

- A. Obtain Grading Permit and utilize existing sediment basin shown previously on approved plans P-04-215 for Sewells Orchard Section 2, Area 3.
- B. Excavate for foundations and Rough Grade.
- C. Construct Structures, Sidewalks and Driveways.
- D. Final Grade and stabilize in accordance with 5ths and 3pds.
- E. Upon approval of the sediment control inspector, remove sediment and erosion control and stabilize. (Note: Existing Sediment Basin not to be covered to SWM Pond until all areas utilizing basin for sediment control have been stabilized.)

PERMANENT SEEDING NOTES

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

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

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

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 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 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - 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 60 lbs per acre (1.5 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 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 redistributed where a short-term vegetative cover is needed.

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

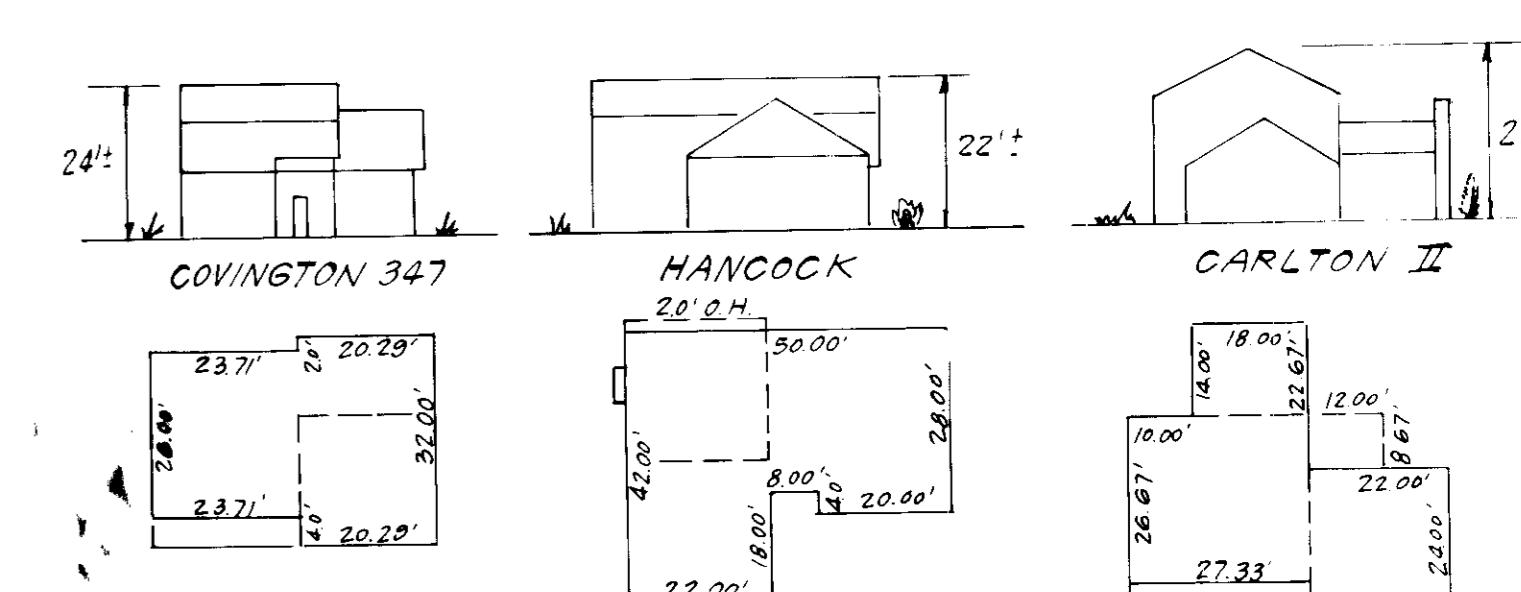
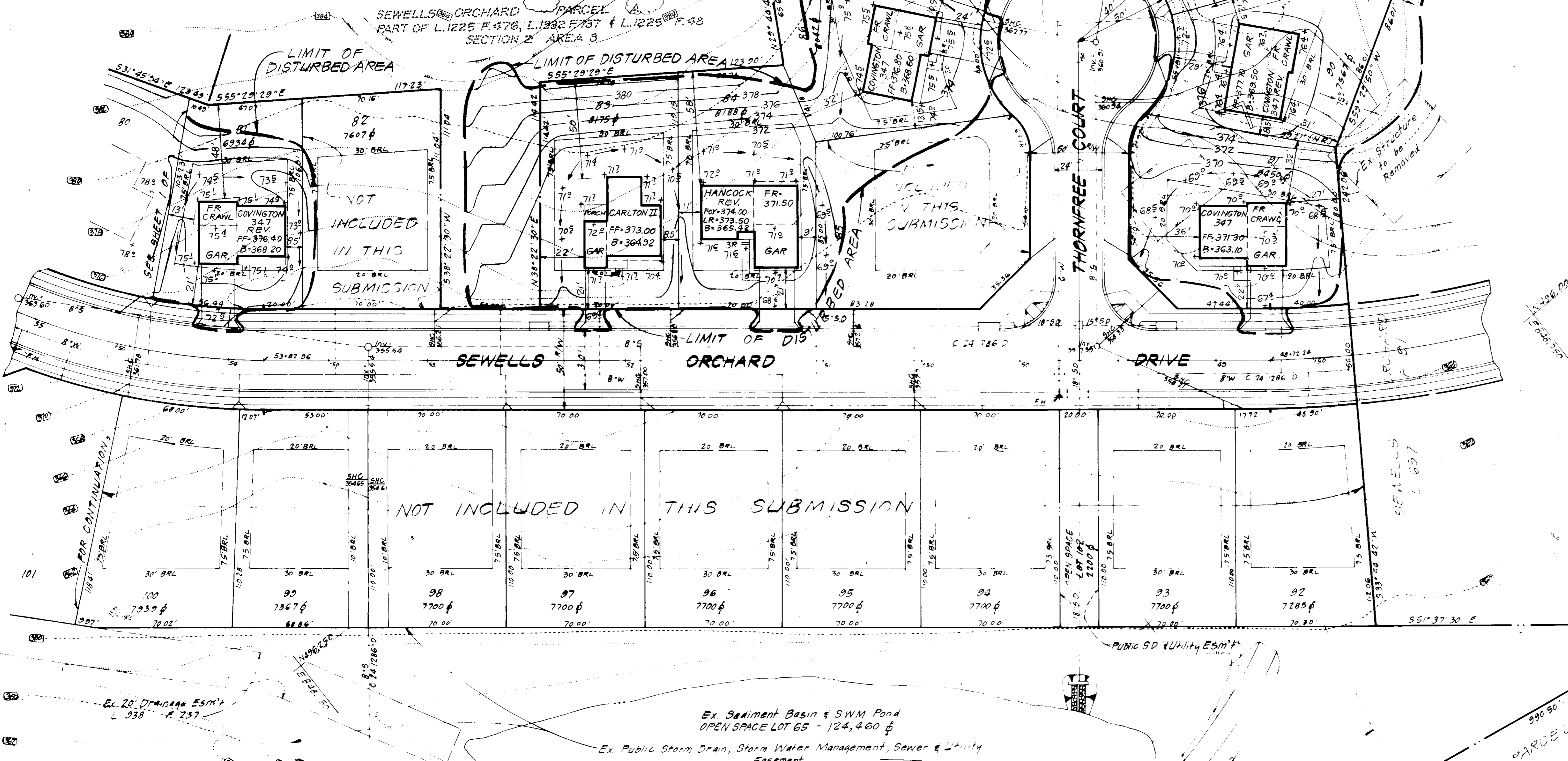
Soil Amendment: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 lbs per acre of annual ryegrass (1.2 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 2 1/2 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 3 1/2 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 rate and methods not covered.

NO. 1 REVISION REASON DATE
 1. Rev Hec & Ord on Lot 88 from Hancock to Atlantic 4-10-85



TYPICAL HOUSES
NO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 5/11/85

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE: 6-3-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 5-18-85

Division of Land Use Planning
 ZONING ADMIN. DIVISION
 HOWARD COUNTY MARYLAND
 DATE: 5-9-85

Reviewed for Howard County S.C.D.
 and meets Technical Requirements
 Signature: [Signature] Date: 5/13/85
 U.S. Soil Conservation Service

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

Signature: [Signature] Date: 5/13/85
 Approved

DEVELOPER'S/BUILDER'S CERTIFICATE
 We 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 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 inspection by the Howard Soil Conservation District or their agents, as are deemed necessary.

Signature: [Signature] Date: 5-20-85
 B. Paul Montgomery

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.

Signature: [Signature] Date: 5-20-85
 G. Nelson Clark

Owner/Developer: Orchard Associates P.O. Box 919 Columbia, Md. 21044	SUBDIVISION NAME SEWELLS ORCHARD PLAT NO. 1 BLOCK/ZONE 6155 & 6224 16417 RSC	SECTION 4/1	LOT/PARCEL # 67-81, 83, 84 AND 86-91
WATER CODE E04	TAX ZONE 36	ELEC. DIST. 6TH	CENSUS 6065.02
SEWER CODE 5332700			

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11311 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED BAF JME	SITE DEVELOPMENT & SEDIMENT & EROSION CONTROL PLAN LOTS 67-81, 83, 84 AND 86-91	SCALE 1" = 30'
DRAWN VLB		DRAWING 2 OF 2
CHECKED BAF JME	SEWELLS ORCHARD SECTION 4 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 85-033
DATE April, 1985		FILE NO 85-033-X

FOR: Diversified Housing Corporation
 10015 Old Columbia Pike
 Columbia, Maryland 21046

SDP-85-178