

**PERMANENT SEEDING**

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

**Seeded 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 400 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 20 lbs per acre 90-0-0 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 (43 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 (1.4 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 untreated 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.

**Inspection:** 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.

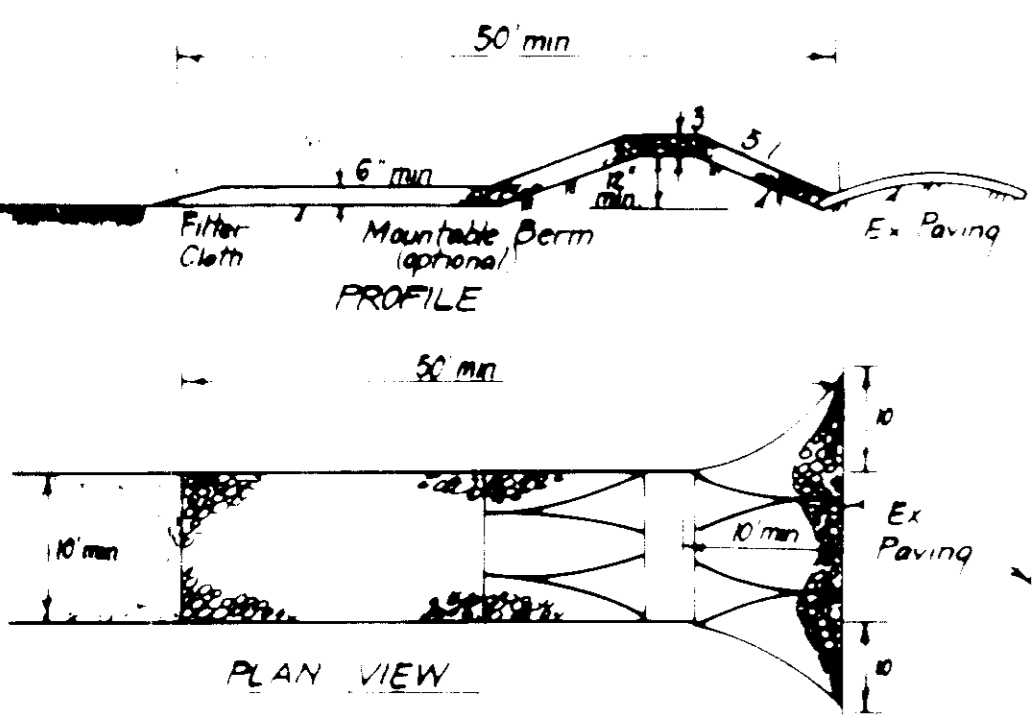
**Seeded Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

**Soil Amendments:** Apply 400 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 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, 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 untreated 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.



**CONSTRUCTION SPECIFICATIONS**

1. Stone Size - Use 2" stone or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet, except on a single residence lot where a 30 foot minimum length would apply.
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where inaccess or access occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a maintainable berm with 5% slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone, be condition demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each run.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. **6-26-86**

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING. **6-27-86**

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. **6-27-86**

DIRECTOR **6-27-86**

CHIEF BUREAU OF ENGINEERING **6-27-86**

5-26-86

**HUM**

**SEDIMENT CONTROL**

1) A minimum of 30 days notice must be given to the Howard County Office of Inspection 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 redisturbance, permanent or temporary stabilization shall be completed within 107 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. 52, temporary seedings (Sec. 50) and mulching (Sec. 53). Temporary stabilization with mulch alone cannot 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 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: 0.188 Acres  
Area Disturbed: 0.300 Acres  
Area to be roofed or paved: 0.053 Acres  
Area to be vegetatively stabilized: 0.248 Acres  
Total Fill: 40 Cu. Yds.  
Total Erosion: 375 Cu. Yds.  
Offsite waste burial 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.

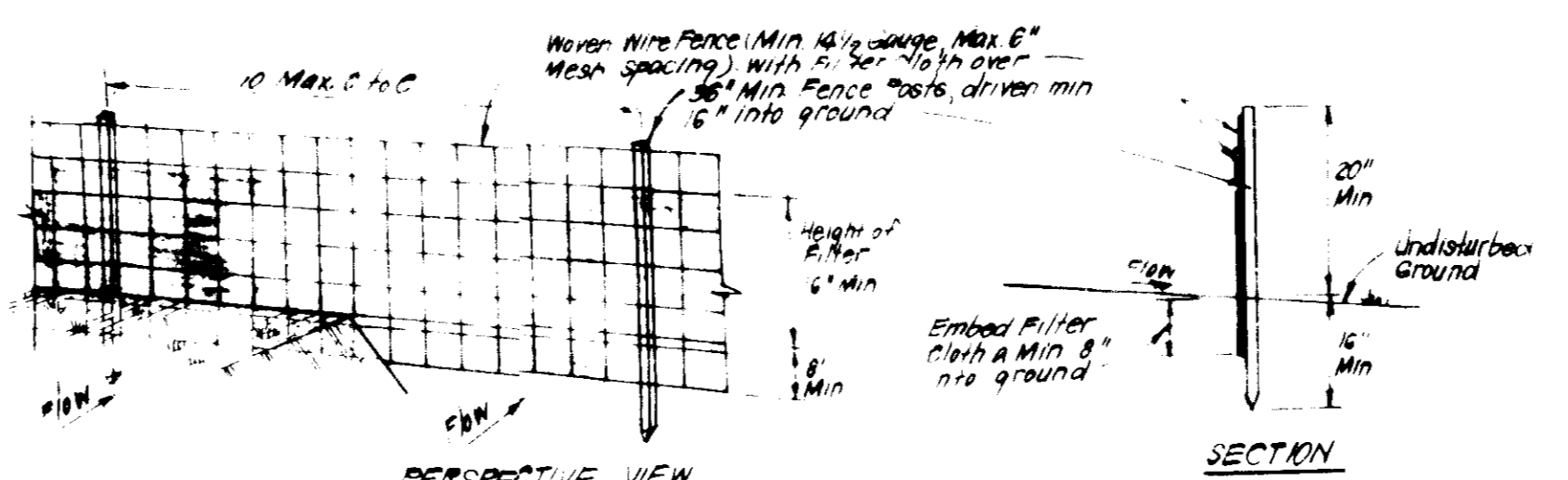
11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A

12) All pipes to be blocked at the end of each day (see detail below). N/A

13) The total amount of straw bale dikes/silt fence equals 210 L.P.

**CONSTRUCTION SEQUENCE:**

1. Establishing Perimeter Sediment & Erosion Control Devices on Site
2. Excavate for Foundations and Rough Grade
3. Erosion Control Stabilize
4. Install Structures, Sides and Drains
5. Final Grade and Stabilize in accordance with Site & Specs
6. Obtain approval of the sediment control inspector, remove sediment & erosion controls and stabilize

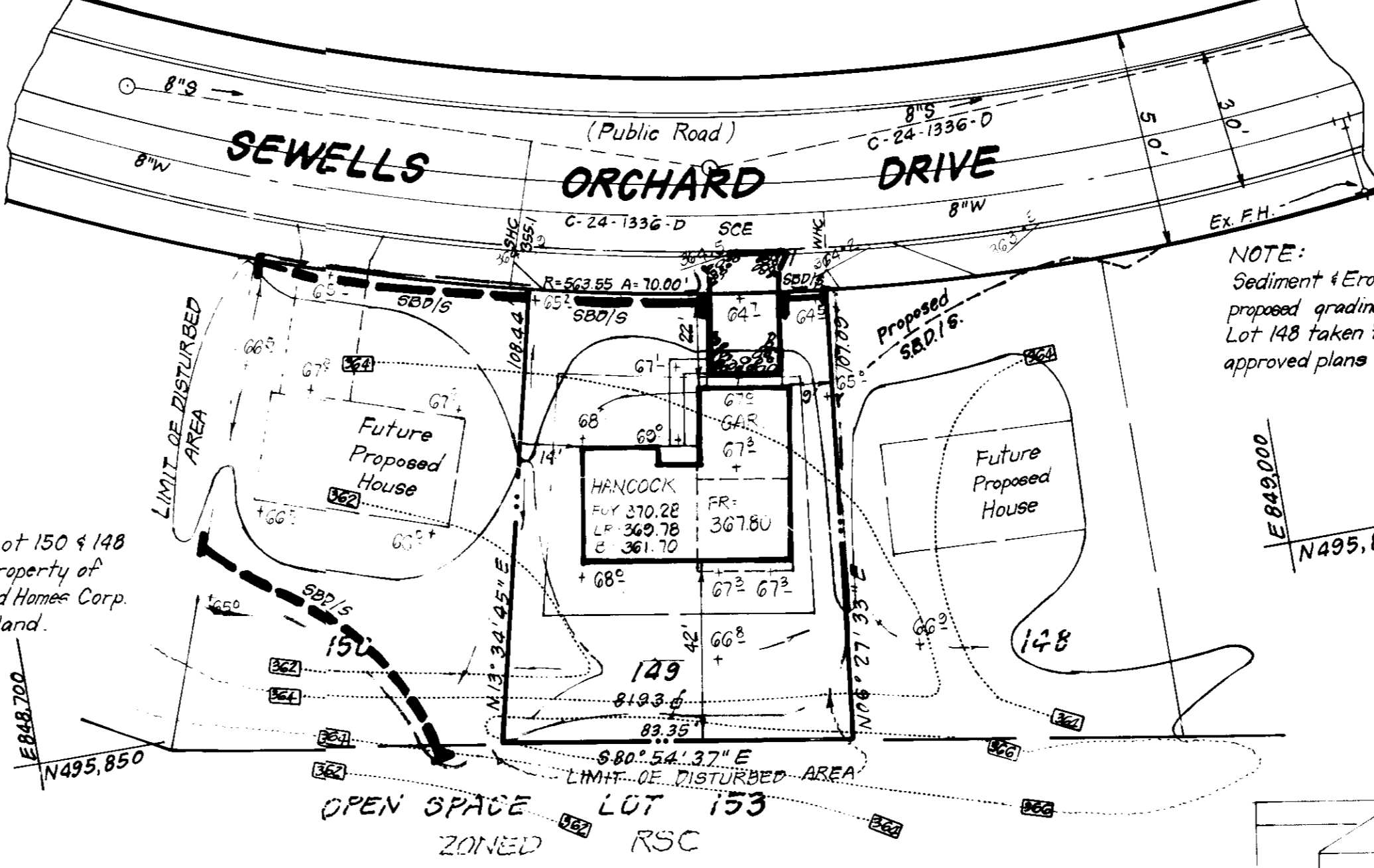


**CONSTRUCTION SPECIFICATIONS:**

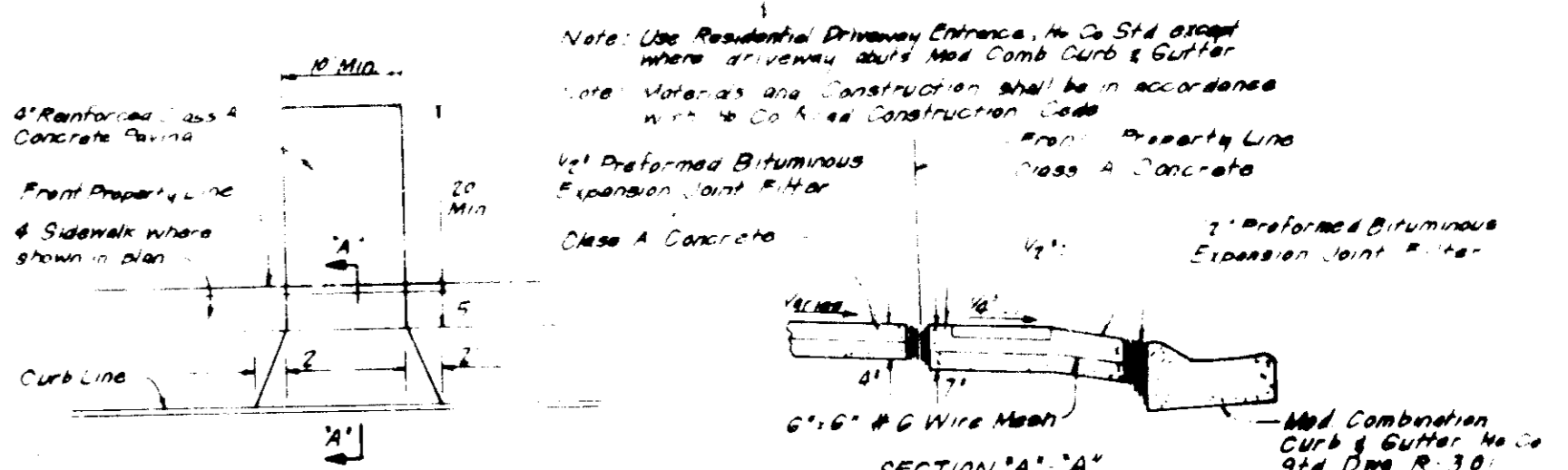
1. Weep wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to weep wire fence with ties spaced every 24" at top and mid section.
3. When 2 sections of filter cloth join each other they shall be interlaced by 6" and stapled.
4. Maintenance shall be performed as needed and material removed when "bales" develop in silt fence.

**SILT FENCE DETAIL (S)**

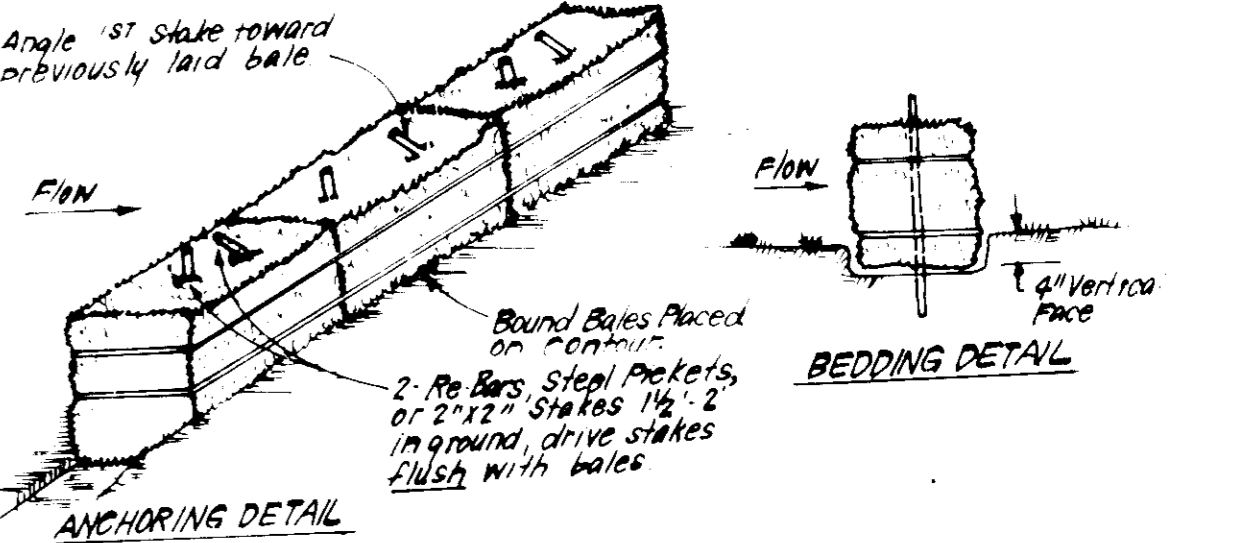
**SEWELLS ORCHARD SECTION 4 AREA 2 PLAT 6261**



NOTE: Lot 150 & 148 are the property of Diversified Home Corp. of Maryland.



**DRIVEWAY ABUTTING MODIFIED CURB & GUTTER**



**CONSTRUCTION SPECIFICATIONS:**

1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a min. of 2" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

**STRAW BALE DIKE DETAIL (SBD)**

NOTE: Sediment & Erosion Control & proposed grading shown on Lot 148 taken from previously approved plans SDP-86-112

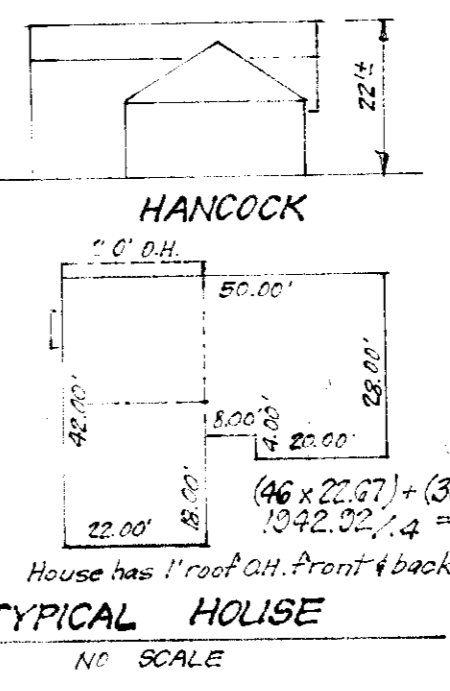
**GENERAL NOTES:**

1. All coordinates are based on the Maryland State Grid System.
2. All roads are public & existing.
3. Any damage to commonly owned rights-of-way shall be corrected at the Developer's expense.
4. Total area included: 0.1880 Acres.
5. Total number of Lots: 1.
6. The area included in this plan is zoned RSC.

**LEGEND:**

1. Contour Interval: 2'
2. Existing Contour: 2'
3. Proposed Contour: 2'
4. Spot Elevation: 2'
5. Direction of Drainage: 2'
6. Gravity Dike & Silt Fence: SCE
7. Stabilized Construction Entrance: SCE

NOTE: Stormwater Management provided for in central facility located in Sewells Orchard 3/1, Approved plans F-84-215.



TYPICAL HOUSE



LOT NO	149	STREET ADDRESS	6741 Seville Road
DESIGNER	CLARK, FINEFROCK & SACKETT	SCALE	AS SHOWN
DRAWN	BAF	DRAWING	OF 1
CHECKED	BAF	JOB NO.	85-088
DATE	4-24-86	FILE NO.	85-088-X

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
1131E LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

**SEWELLS ORCHARD**  
SECTION 4 AREA 2  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DATE: 4-24-86

**REGISTERED PROFESSIONAL ENGINEER**

**ENGINEER'S CERTIFICATE**

I hereby certify that the work shown on this plan was done by me or under my direct supervision and that I am a duly licensed professional engineer in the State of Maryland.

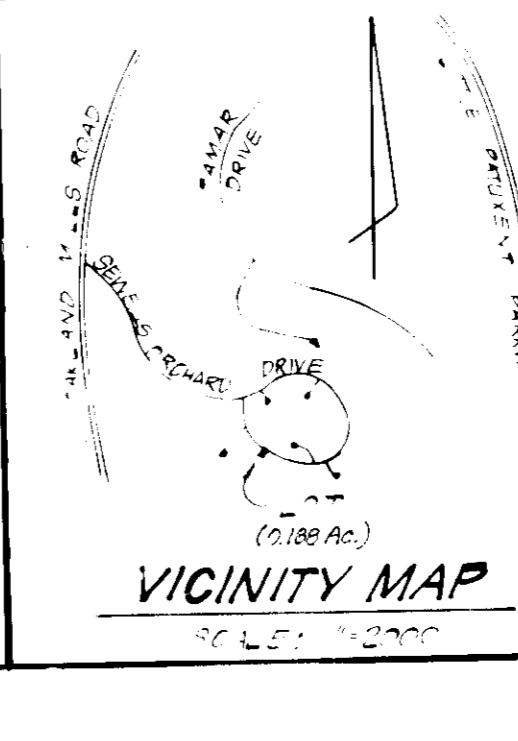
**B. Paul Montgomery** 4-24-86

**G. Nelson** 4-25-86

Reviewed for Howard S.C.D.

**B. Paul Montgomery** 4-24-86

Approved \_\_\_\_\_ Date \_\_\_\_\_



VICINITY MAP