

STRAW BALE DIKE  
CONCRETE CURB

**SEEDING NOTES**

1. Apply 2,000 pounds per acre or 40 pounds per 1,000 sq. ft. of pulverized dolomitic limestone, 100 to 1,000 pounds per acre or 11.5 to 23 pounds per 1,000 sq. ft. of 11-20-11 superphosphate, or its equivalent (a higher rate of phosphate is normally needed with soils having a low silico-alumina content) and 1,000 pounds per acre or 23 pounds per 1,000 sq. ft. of 11-11-10 fertilizer or its equivalent. If soils are reasonably uniform, lime and fertilizer according to soil test.

2. Harrow or disc lime and fertilizer into the soil to a depth of 2 to 3 inches. Continue tillage until a reasonably uniform firm seedbed has been prepared. On sloping land, the final harrowing or disking operation should be on the contour wherever feasible.

**SEEDING**

1. Select a mixture from Table 1.

2. Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hand seeder (mixture includes seed and fertilizer) on a firm, moist seedbed.

3. Where feasible, except when a cultipacker type seeder is used, the seedbed should be firm following seeding operations, with a cultipacker, roller or light drag, or following mulch application with the mulch anchoring tool or pick chain. On sloping land, seeding operations should be on the contour where feasible. Normal coverage is 1/2 to 1 inch.

**MULCHING**

1. **Mulch** - Immediately after seeding, uniformly mulch these areas with weathered small grain straw (preferably wheat) at the rate of 1 1/2 to 2 tons per acre or 60 to 92 pounds per 1,000 sq. ft.

2. **Mulch Anchoring Methods**

3. **Mulch Anchoring Tool** - A series of flat, notched discs which cut and anchor the mulch material into the soil. Soil must be moist and free of stones and loose enough to permit disc penetration to a depth of 2 to 3 inches.

4. **Operate** - Operate anchoring tool on the contour to secure maximum erosion control.

5. **Asphalt Mulch Tie-down** (Use one of the following)

6. **Liquid Asphalt** - rapid curing (RC-70, RC-250 or RC-800) or medium curing (MC-250 or MC-800). Apply .01 gal sq. yd.

7. **Emulsified Asphalt** - CSS-1, SS-K, SM-K, MS-2, RS-1, RS-2, RS-2K, or RS-1K. Apply .04 gal sq. yd.

8. **Apply** - so area has uniform appearance.

**Prepared Preparation**

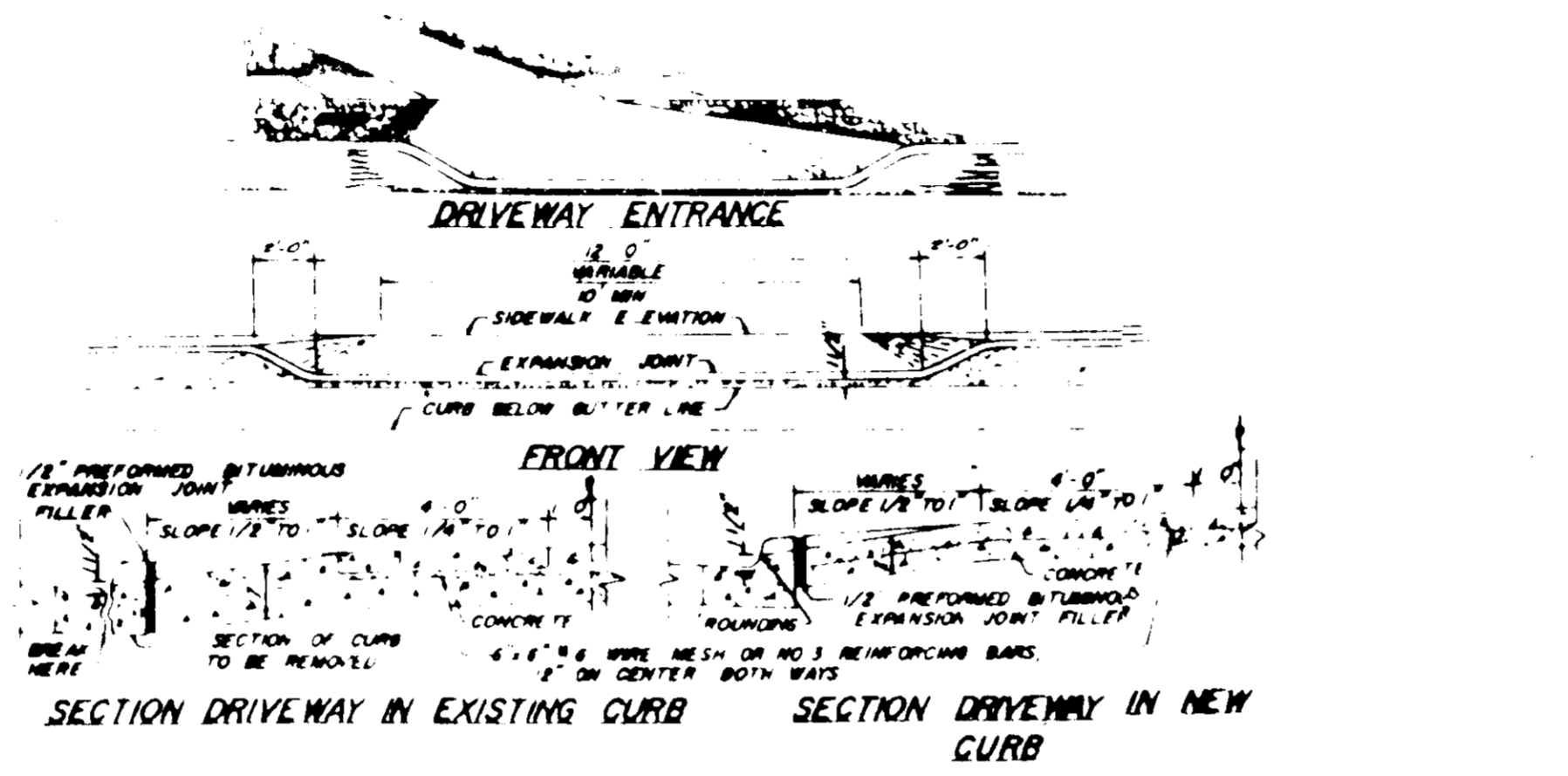
9. Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 4 inches. The top layer of soil shall be loosened by raking, disking or other acceptable means before seeding.

10. Slopes steeper than 3 to 1 shall have the top 1-3 inches of soil loose and friable before seeding.

TABLE 1-1  
Permitted Seeding and Seeding Dates

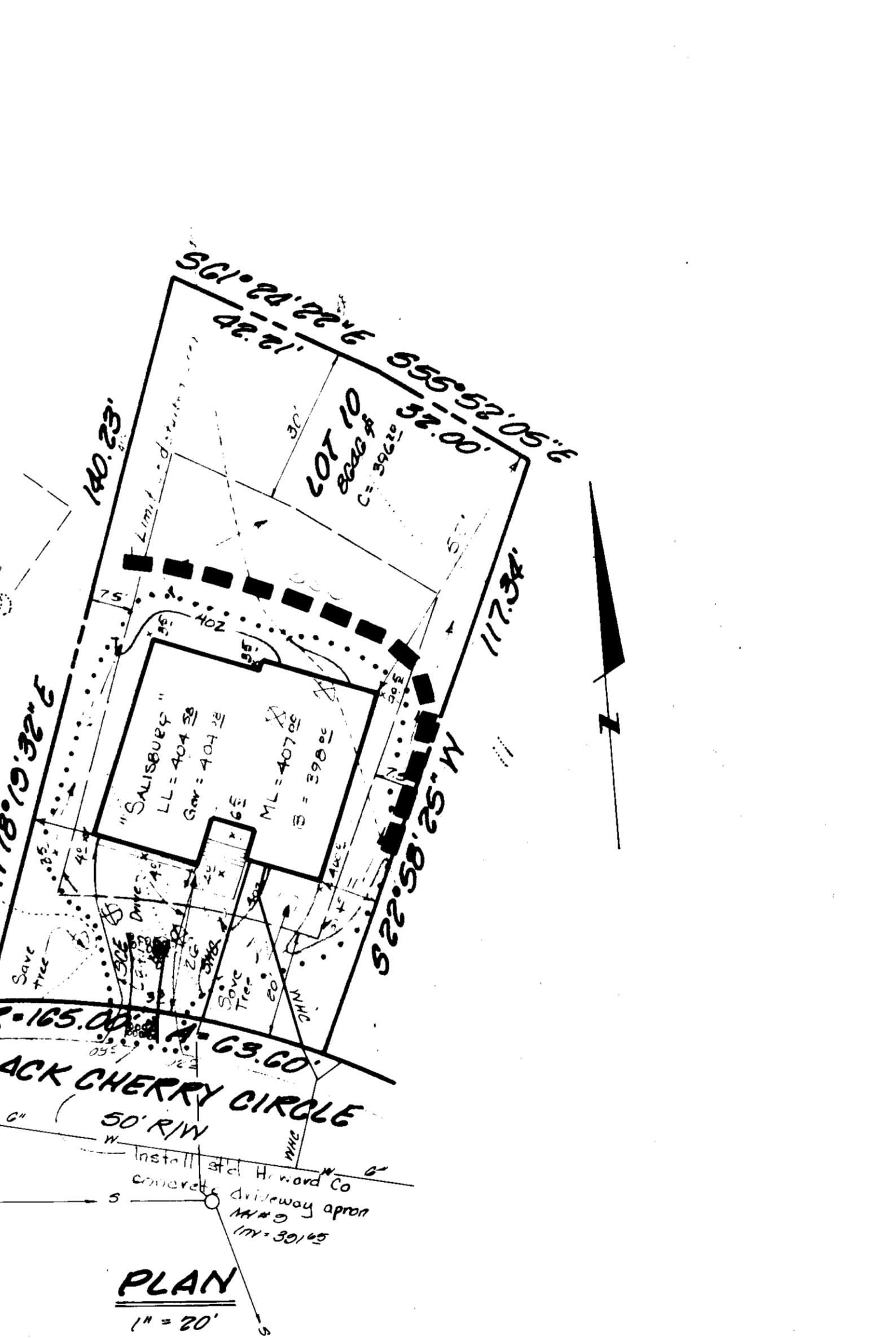
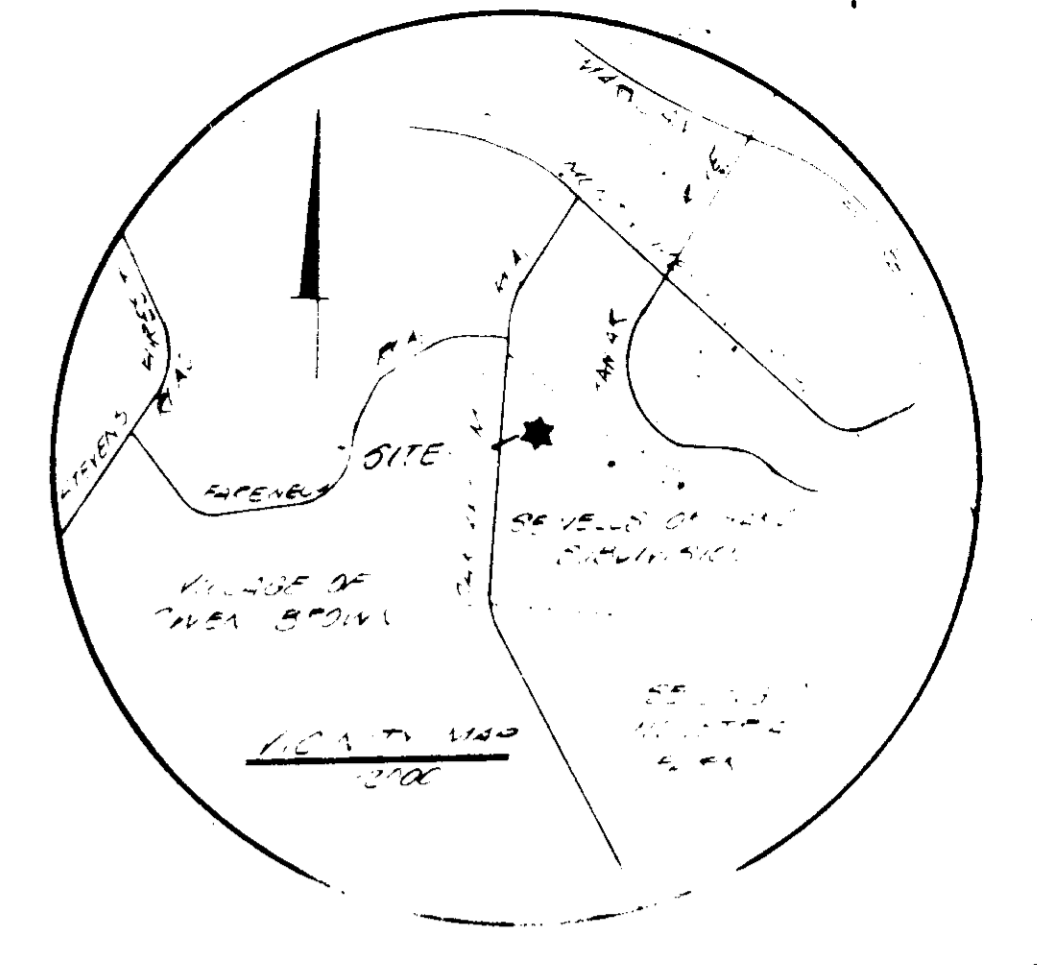
SEEDING MIXTURE	SEEDING DATE	CONSTANT PLAIN		SLOPED		HEIGHT
		PLANTING	SEEDING	PLANTING	SEEDING	
1. Laine & High Moisture Areas	40	92	X	X	X	X
2. Western Kentucky Bluegrass	40	92	X	X	X	X
3. Common Kentucky Bluegrass	40	92	X	X	X	X
4. Red Fescue, "Kentucky" or Jamestown	20	42	X	X	X	X

- CONSTRUCTION SCHEDULE**
- | Item                        | Begin    | Complete |
|-----------------------------|----------|----------|
| 1. Install erosion control  | 12-1-82  | 12-3-82  |
| 2. Clear site               | 12-1-82  | 12-4-82  |
| 3. Strip & replace topsoil  | 12-4-82  | 12-5-82  |
| 4. Excavate for foundation  | 12-5-82  | 12-7-82  |
| 5. Pour footings            | 12-7-82  | 12-8-82  |
| 6. Install foundation walls | 12-8-82  | 12-14-82 |
| 7. Install exterior finish  | 12-14-82 | 12-15-82 |
| 8. Install foundation       | 12-15-82 | 12-17-82 |
| 9. Install walk & drive     | 12-17-82 | 12-20-82 |
| 10. Final site              | 12-20-82 | 12-23-82 |
| 11. Final grade site        | 3-15-83  | 3-16-83  |
| 12. Landscape               | 3-15-83  | 3-16-83  |
| 13. Stabilize site          | 3-15-83  | 3-16-83  |
- \* Mulch only to be used during winter months.



DRIVEWAY ENTRANCE  
SECTION DRIVEWAY IN EXISTING CURB  
SECTION DRIVEWAY IN NEW CURB

- GENERAL NOTES**
1. Property is part of "Dovells Orchard", Lot 10, as shown on the plan.
  2. Property is shown on Howard County tax map as 10-00-000000.
  3. Topography from field survey.
  4. Lot area, 10,000 sq. ft., as shown on the plan.
  5. "Dovells Orchard" measured and shown on the plan as "Dovells Orchard", 10-00-000000.
  6. "Dovells Orchard" as shown on the plan, 10-00-000000, is the responsibility of the owner.
  7. Any damage to County owned R/W will be corrected at the owner's expense.
  8. Materials and construction shall be in accordance with Howard County Local Construction Code.
  9. Water & sewer for this plan are based on approved plan, P-100, Contract # 24-89-214.
  10. Property is zoned R-30.
  11. Site Analysis: Number of lots = 1  
Area of lot = 3,640 sq. ft. or 0.100 acres  
Disturbed area = 3,630 sq. ft. or 44.3%  
Impervious area = 2,120 sq. ft. or 24.3%  
Open area = 9,520 sq. ft. or 75.8%
  12. Each driveway shall have a standard Howard County approved driveway entrance (See detail this sheet).
  13. Maximum graded slope = 5:1  
Minimum graded slope = 2%
  14. Trees to be removed.



**APPROVED**  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 11-19-82  
JFD

**OWNER'S CERTIFICATION**

I HEREBY CERTIFY THAT ALL LEVELS, ELEVATIONS AND DIMENSIONS SHOWN ON THIS PLAN AND ALL RESPONSIBLE PERSONS INVOLVED IN THE PREPARATION OF THIS PLAN HAVE BEEN ADVISED OF THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS AND EROSION CONTROL PROGRAM FOR THE CONTROL OF EROSION BEFORE BEGINNING CONSTRUCTION.

DATE 4-5-83 OWNER *Shawell*

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**SURVEYOR'S CERTIFICATE**

I CERTIFY THAT THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON THE SURVEYOR'S KNOWLEDGE OF THE SITE CONDITIONS AND PREPARED IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS AND EROSION CONTROL PROGRAM.

DATE 4-5-83 *Shawell*  
SURVEYOR  
MD. REG. # 10000

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**APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, PUBLIC STORM DRAINAGE SYSTEMS & PUBLIC ROADS**  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 4-14-83  
*Henry F. Nemmy*  
DIRECTOR

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**APPROVED: FOR PUBLIC WATER & PUBLIC SEWER SYSTEMS**  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 4-15-83  
*James R. Boyler*  
COUNTY HEALTH OFFICER

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**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**  
DATE 4-18-83  
*John M. Mueselman*  
PLANNING DIRECTOR

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**ACTIVE: CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMINISTRATION**  
DATE 4-18-83  
*Louis F. Owen*

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**REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.**  
DATE 4-11-83  
*James M. McArthur*  
U.S. SOIL CONSERVATION DISTRICT

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**THIS PLAN IS APPROVED FOR EROSION & SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT**  
DATE 4-11-83  
*John T. Rhea*  
HOWARD SOIL CONSERVATION DISTRICT

Owner: *Consolidated Home Builders*  
Lot 1  
*Joseph Square Village Center*  
Columbia, Md. 21044  
505-0085

NO.	REVISIONS	DATE

**DEVELOPMENT CONSULTANTS GROUP, INC.**

12408 ROUTE 108  
CLARKSVILLE, MD. 21029  
301-596-9080 301-988-9830

**SITE GRADING & SEDIMENT CONTROL PLAN**  
LOT 10 SECTION 1  
**SEWELLS ORCHARD**  
5th Election District  
Howard County, Maryland

DATE *Nov 1982*  
DRAWN *JFD*  
CHECKED *MJS*  
SCALE *As Shown*

Sheet *1* of *1*  
PROJECT NO. *15-13*

**SDP-83-46** SDP-83-46