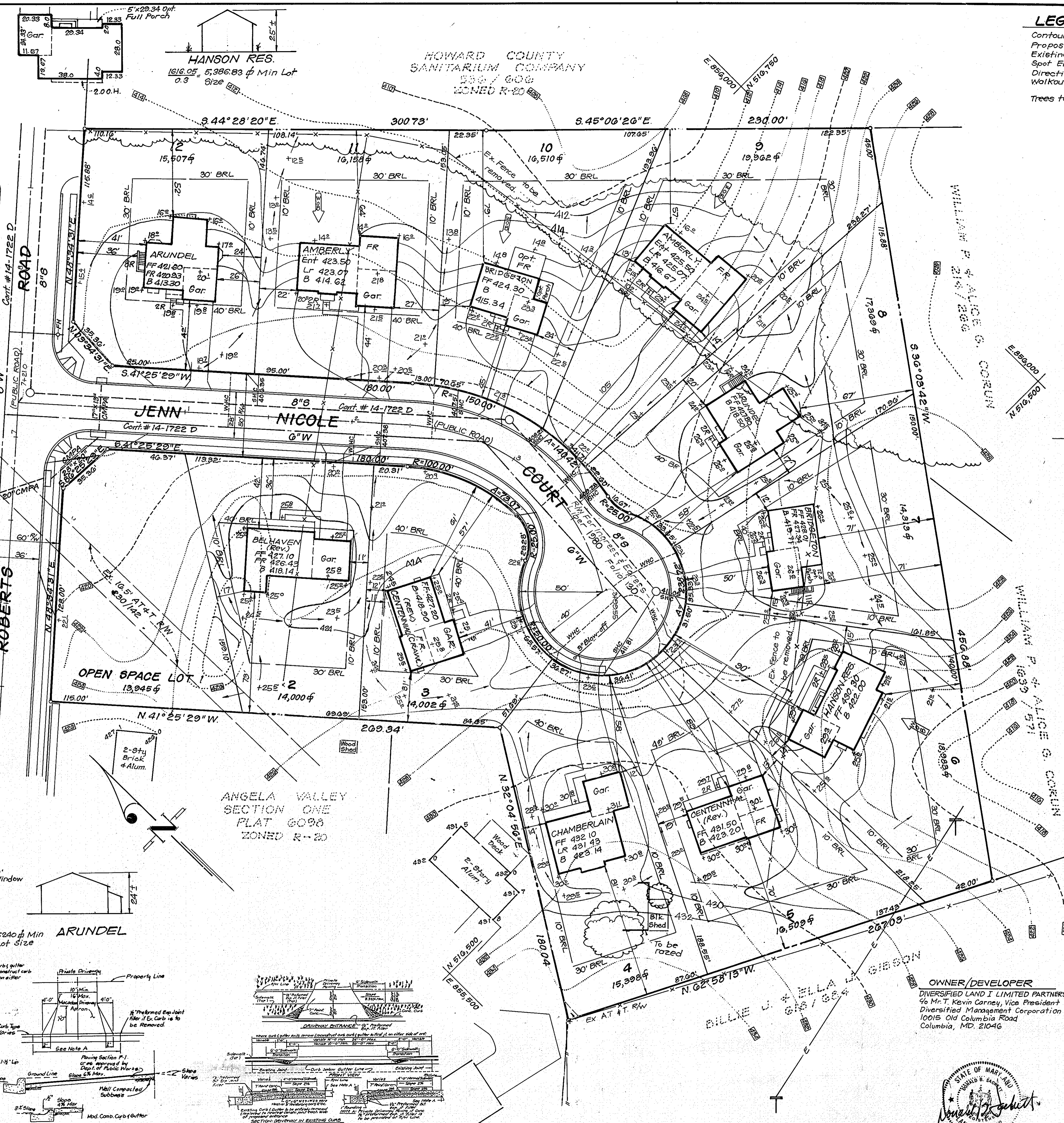
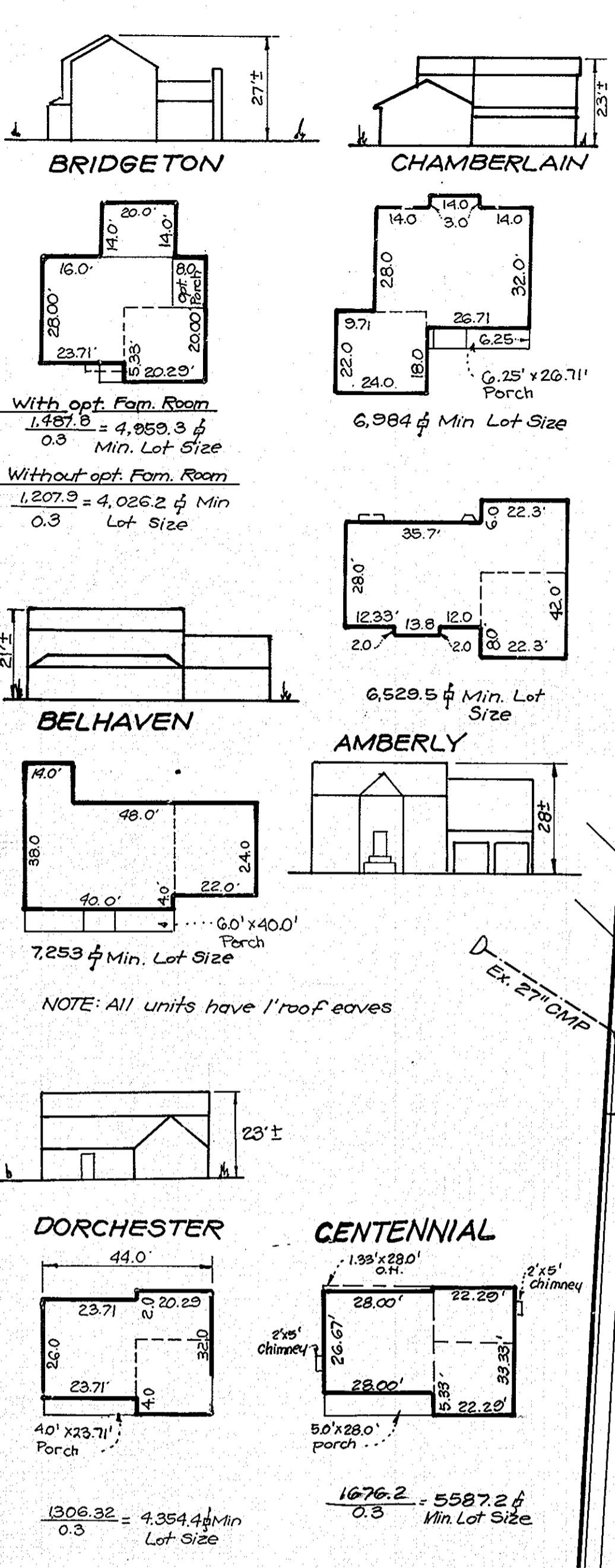


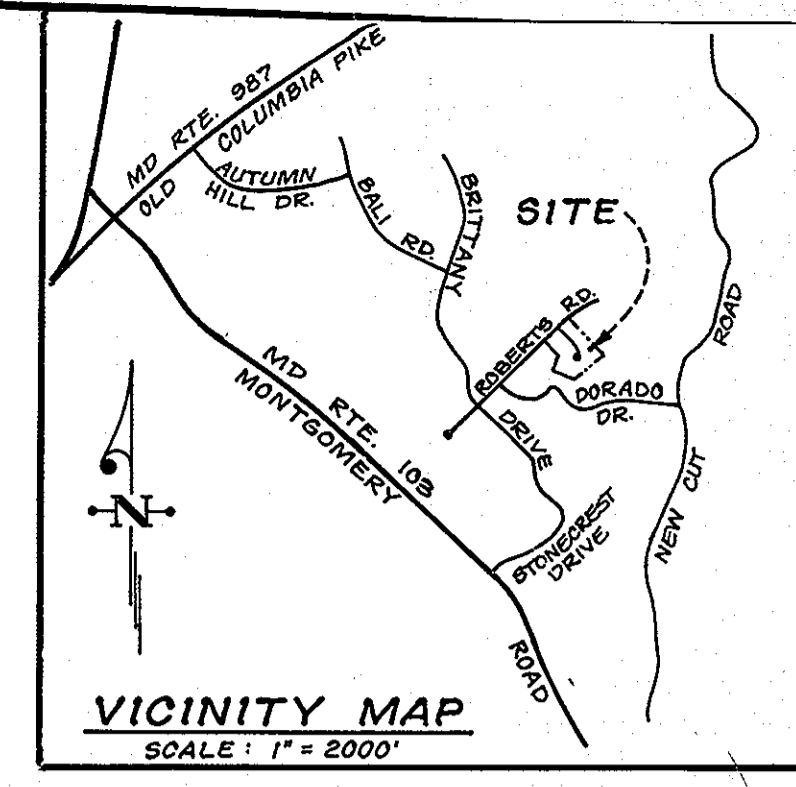
**TYPICAL HOUSES**

Scale: 1" = 30'  
NOTE: All units have 1" roof eaves front & rear.



**LEGEND**

- Contour Interval 2 ft.
- Proposed Contour 420
- Existing Contour 420
- Spot Elevation + 20.5
- Direction of Drainage
- Walkout Basement
- Trees to be Saved



**GENERAL NOTES**

- Subject property zoned R-20 as per Comprehensive Zoning Plan dated 8-2-85.
- The coordinates shown herein are based upon The Md. State Grid System and derived from the following Howard County Control points 3043001 and 3143006.
- All roads are public and existing, unless otherwise noted.
- Any damage to county owned right-of-ways to be corrected at the developers expense.
- Total number of lots: 11
- Total area included: 4.10 Ac.
- The contractor or developer shall contact the Construction Inspection/Survey Division 24 hrs in advance of commencement of work at 792-2630.
- Reference File numbers S 84-17, P 87-67, F 88-61.
- Existing topography was field run by Clark, FineFrock & Sackett, Inc.

**SPECIAL NOTES**

- Approved Road Construction Plans shall be used for all public utilities.
- The water and sewer shown are for reference only. For more detailed information see approved plans.
- The water and sewer connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and the SHC shall be 4" iron.
- Stormwater Management provided under F-84-22.

LOT #	STREET	ADDRESS
1	8404	JENN NICOLE COURT
2	8408	JENN NICOLE COURT
3	8412	JENN NICOLE COURT
4	8416	JENN NICOLE COURT
5	8420	JENN NICOLE COURT
6	8424	JENN NICOLE COURT
7	8428	JENN NICOLE COURT
8	8432	JENN NICOLE COURT
9	8436	JENN NICOLE COURT
10	8440	JENN NICOLE COURT
11	8405	JENN NICOLE COURT
12	8401	JENN NICOLE COURT

Rev. hse. & grad. lot #	Date
5 Rev. hse. & grad. lot 6	2-27-92
4 Rev. hse. & grad. lot 12 to Arundel	10-11-91
3 Rev. hse. & grad. lot 3 from Dorchester to Centennial	6-25-91
2 Rev. hse. & grad. lots 12, 2, 5 & 8	6-4-91
1 Rev. hse. & grad. lot 7 from Dorchester to Bridgeton	5-10-91
No.	REVISION
	Date

**APPROVED**  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE **3-9-89**

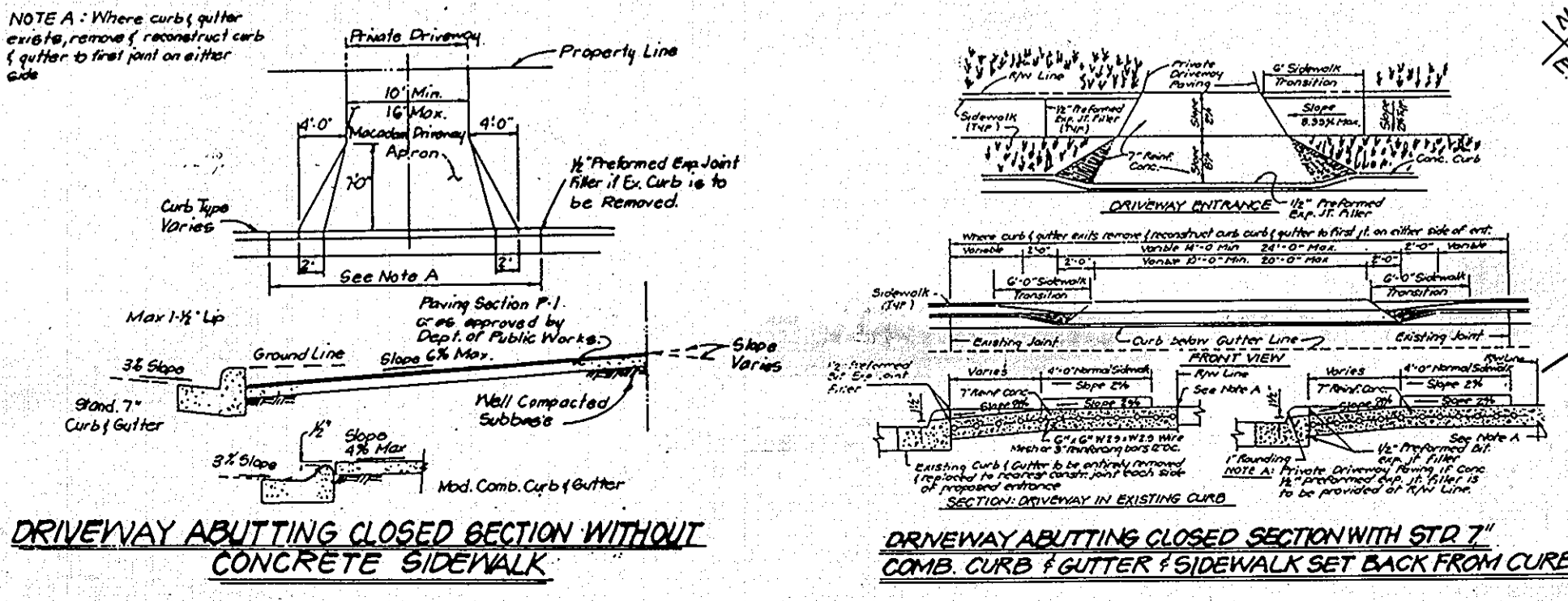
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.**  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boardman* 5/16/89  
DATE

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**  
*David J. Campbell* 5/12/89  
DATE

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James P. Shaw* 5/12/89  
DATE

**DIRECTOR**  
*James P. Shaw*  
DATE 5-12-89

**CHIEF BUREAU OF ENGINEERING**  
*James P. Shaw*  
DATE 5-12-89



Subdivision Name <b>ANGELA VALLEY</b>	Section/Area <b>2</b>	Lots <b>1-12</b>
Plot No. <b>8440</b>	Block <b>19</b>	Zoned <b>R-20</b>
Tax Map No. <b>25</b>	Elec. Dist. <b>2nd</b>	Census Tr. <b>6024</b>
Water Code <b>F16</b>	Sewer Code <b>1400510</b>	

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7000 - BALTO. • (301) 621-8100 - WASH.

**SITE DEVELOPMENT PLAN**  
LOTS 1 THRU 12  
**ANGELA VALLEY**  
SECTION TWO  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DESIGNED: **VHL**  
DRAWN: **LAI**  
CHECKED: **JME**  
DATE: **JAN. 1989**

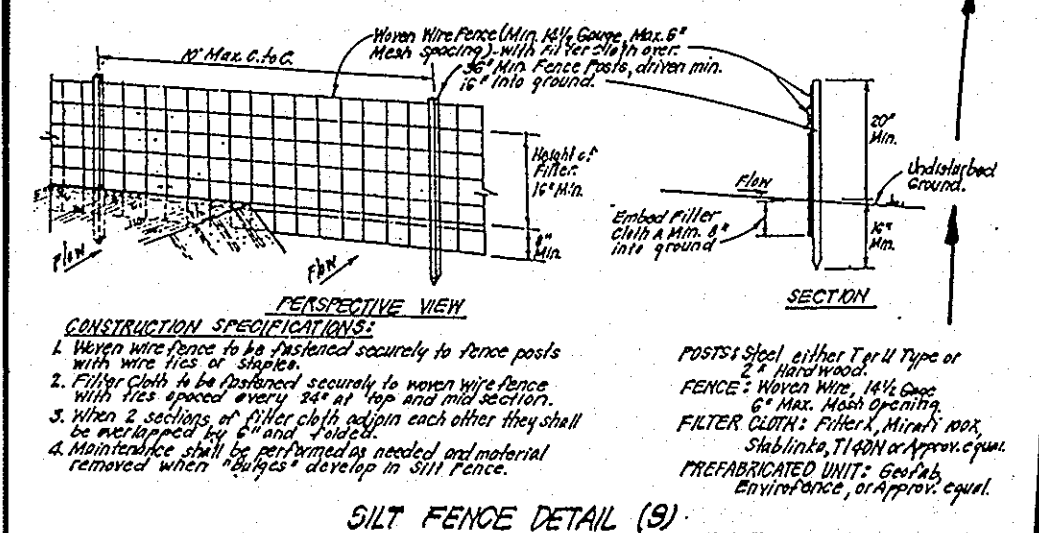
SCALE: **1" = 30'**  
DRAWING: **1 of 2**  
JOB NO.: **88-171**  
FILE NO.: **88-171-X**

FOR: **DIVERSIFIED HOMES CORP.**  
8015 Dorsey Run Road #A  
Columbia, Maryland 21094

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 24 hours 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 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) sod (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	41 Acres
Area to be roofed or paved	0.70 Acres
Area to be vegetatively stabilized	2.00 Acres
Total Cut	6,515 Cu. yds
Total Fill	N/A
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 DPM 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). N/A
- 13) The total amount of straw bale dikes/silt fence equals 1210 L.F.



**APPROVED**  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT

HOWARD COUNTY,  
MARYLAND  
DATE **3-9-89**

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.**  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boydland* 5/16/89  
DATE

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**  
*James M. Boydland* 5/16/89  
DATE

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.**  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Boydland* 5/16/89  
DATE

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.**  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Boydland* 5-12-89  
DATE

**APPROVED FOR** HOWARD COUNTY  
and meets Technical Requirements  
Signature *James M. Boydland* Date 4/24/89  
U.S. Soil Conservation Service

**THIS DEVELOPMENT PLAN IS APPROVED**  
FOR SOIL EROSION AND SEDIMENT  
CONTROL BY THE HOWARD SOIL  
CONSERVATION DISTRICT.  
*Stephen J. ...* 4/24/89  
Approved Date

**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) 9T.V.**  
NO SCALE

**CONSTRUCTION SPECIFICATIONS:**

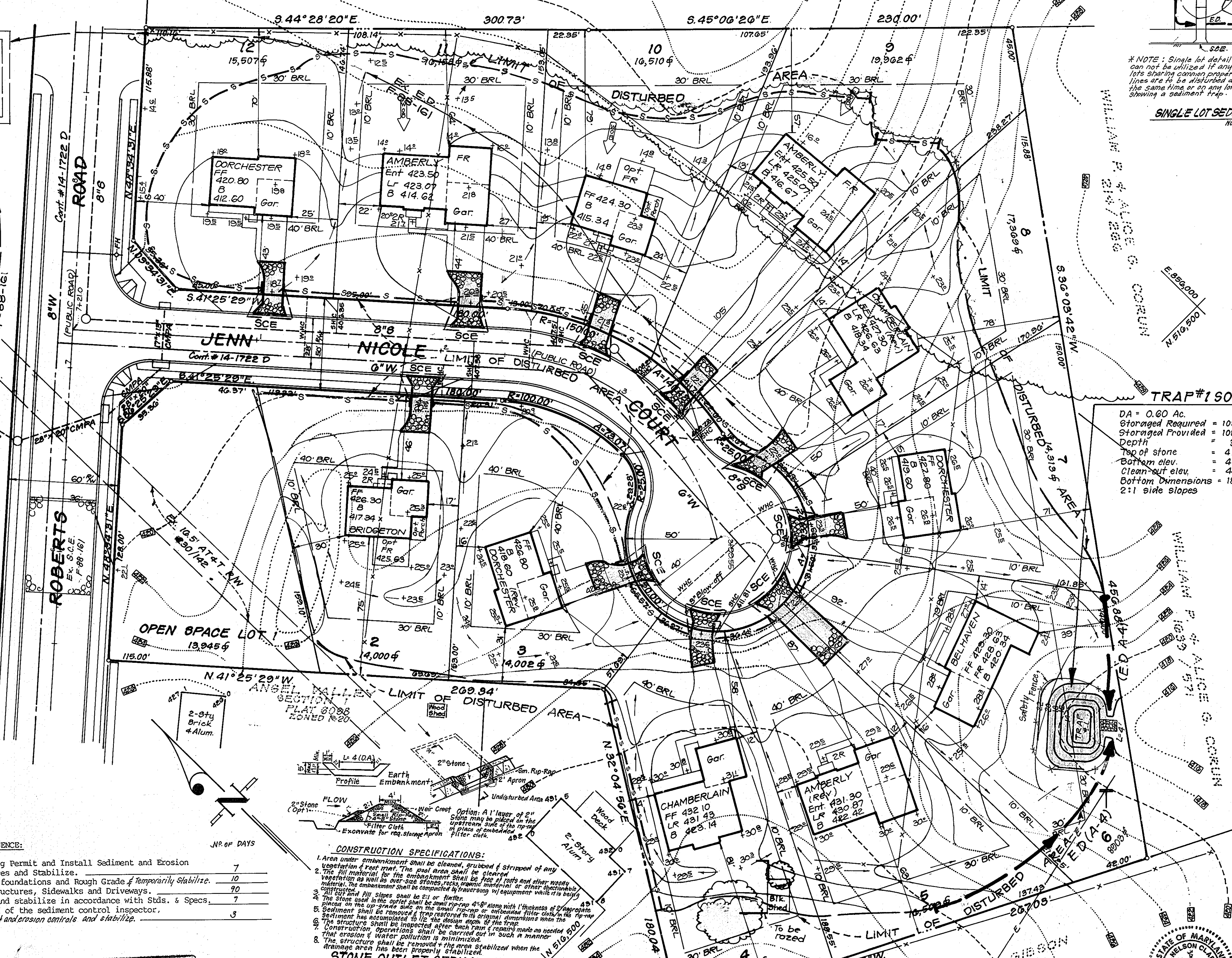
1. Area under embankment shall be cleaned, grubbed & stripped of any vegetation that may be present. The soil area shall be cleared.
2. The fill material for the embankment shall be free of logs and other heavy material. The embankment shall be constructed by using equipment with its body raised.
3. All fill and fill slopes shall be 2:1 or better.
4. The stone outlet shall be placed on a 4" layer of 4" diameter stones.
5. Sediment shall be removed from the trap prior to its original dimensions when the trap is used.
6. The structure shall be inspected after each storm. If necessary, the trap shall be cleaned.
7. Construction operations shall be carried out in such a manner that erosion & water pollution is minimized.
8. The structure shall be removed & the area stabilized when the drainage area has been properly stabilized.

**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 inspections by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

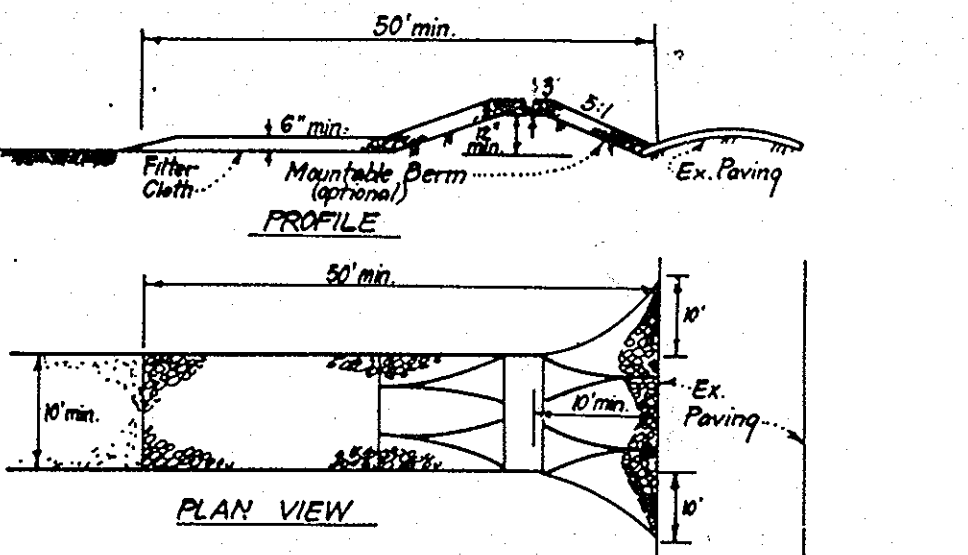
*D. ...* 2/8/89  
Signature of Developer/Builder Date

HOWARD COUNTY  
SANITARIUM COMPANY  
536 / 600  
ZONED R-40



**NOTE:** Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

NO.	DATE	DESCRIPTION
1	1/11/89	PRELIMINARY
2	2/1/89	REVISED
3	2/1/89	REVISED
4	2/1/89	REVISED
5	2/1/89	REVISED
6	2/1/89	REVISED
7	2/1/89	REVISED
8	2/1/89	REVISED
9	2/1/89	REVISED
10	2/1/89	REVISED
11	2/1/89	REVISED
12	2/1/89	REVISED



- CONSTRUCTION SPECIFICATIONS:**
1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
  2. Length - As required, but not less than 50' length (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 of points where inlets or pipes occur.
  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 shall be trapped at the entrance. If piping is impractical, a mound about 6" high with 5" diameter 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 the use of additional stone or concrete to repair and/or clean-up of any measures used to trap sediment. All sediment applied, 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 rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE

**PERMANENT SEEDING NOTES**

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

**Soil Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

**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 (1.4 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 (0.05 lbs/1000 sq ft) of creeping lovegrass. During the period of October 15 thru February 28, protect site with 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 C-12ac 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 redistributed where a short-term vegetative cover is needed.

**Soil Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

**Soil Amendments:** 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 29 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of creeping lovegrass (0.07 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 gallons 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 rate and methods not covered.

**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* 2-1-89  
G. Nelson Clark Date

**OWNER / DEVELOPER**  
DIVERSIFIED LANDS LIMITED PARTNERSHIP  
70 Mr. T. Kevin Carney, Vice President  
Diversified Management Corporation  
10015 Old Columbia Road  
Columbia, MD 21046

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 • BALTO • (301) 621-8100 • WASH

DESIGNED	SCALE
KIWM	1" = 30'
DRAWN	DRAWING
BAL	2 of 2
CHECKED	JOB NO.
KIWM	88-171
DATE	FILE NO.
JAN. 1989	88-171Se

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 1 THRU 12  
**ANGELA VALLEY**  
SECTION TWO  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: DIVERSIFIED HOMES CORP.  
8015 Dorsey Run Road #A  
Columbia, Maryland 21094

**SDP-89-163**