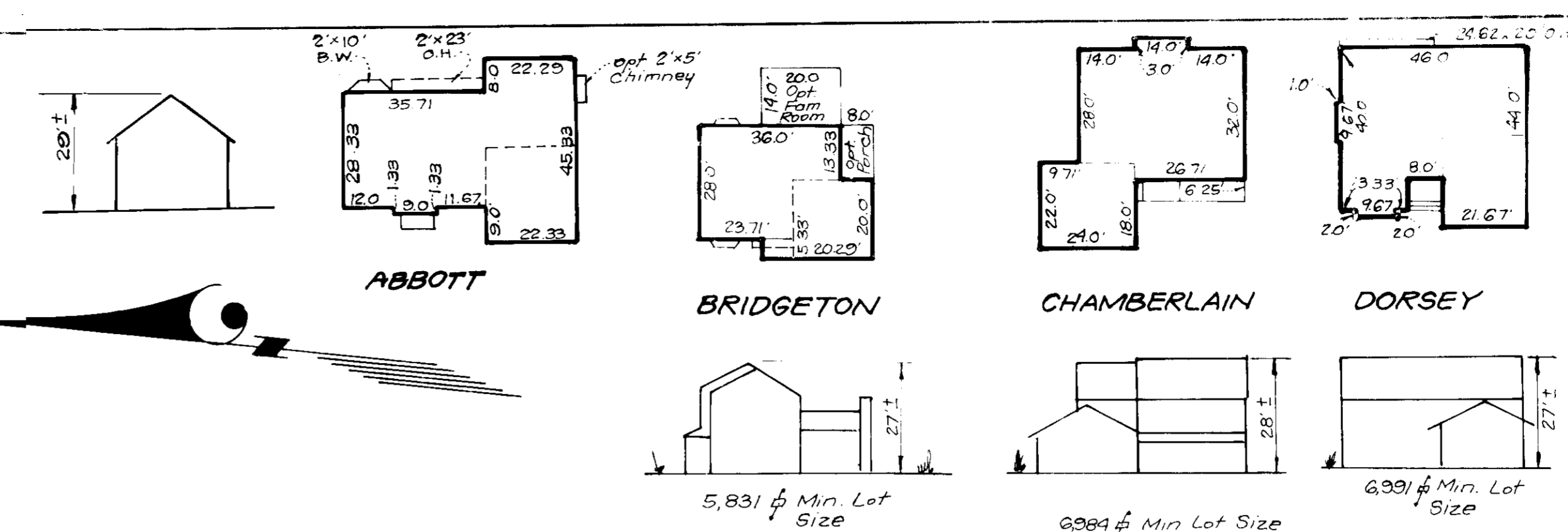


DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

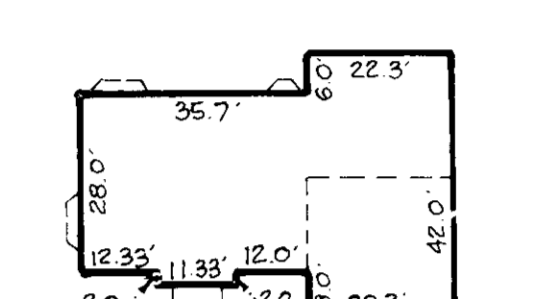


**TYPICAL HOUSES**

Scale 1/8" = 3'-0"  
NOTE: All units have 1" roof eaves front and rear.



AMBERLY



6,529.5 sq. ft. Min. Lot Size

**LEGEND**

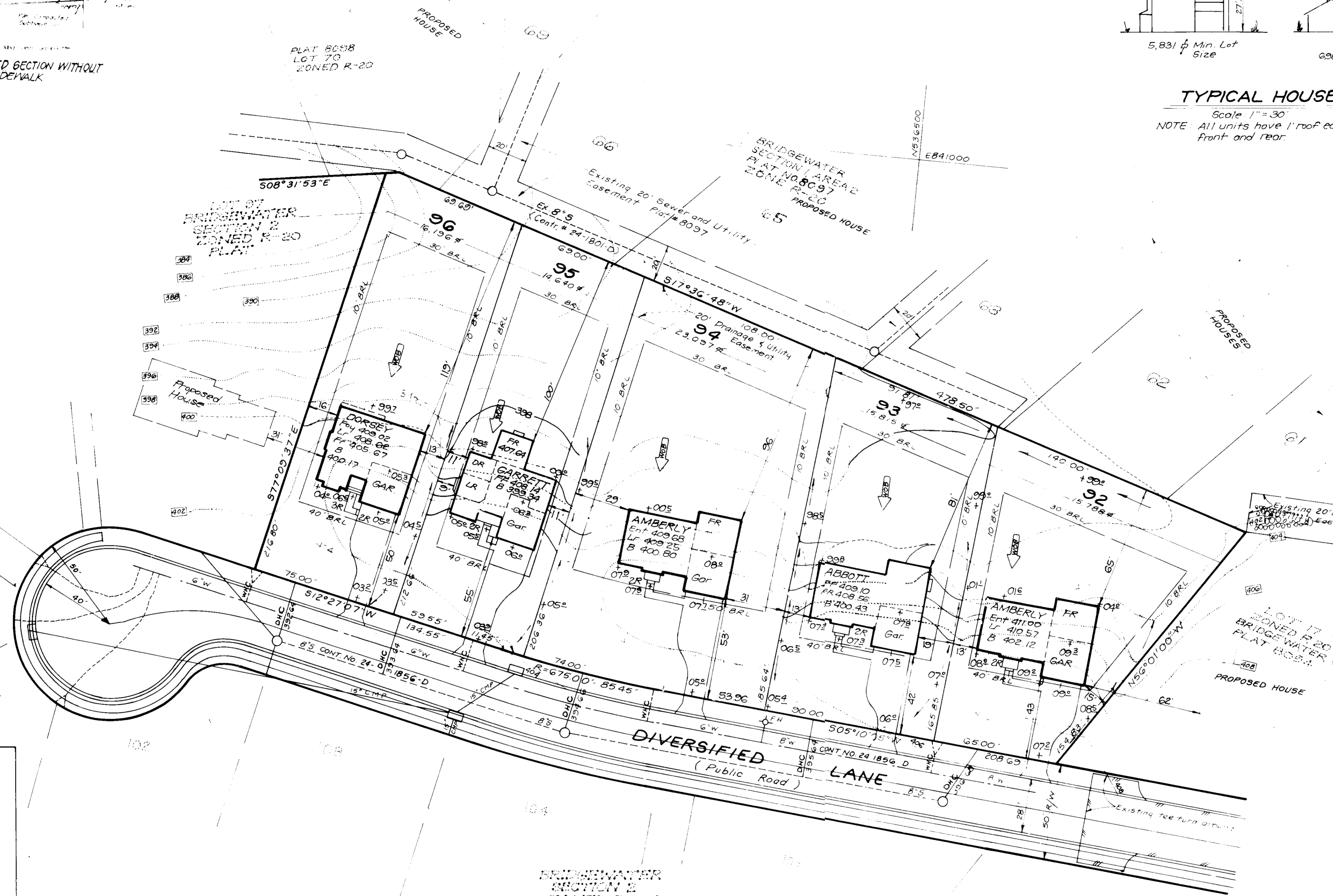
- Contour Interval 2 FT
- Existing Contour 2 FT
- Proposed Contour 2 FT
- Lot Level 1 FT
- Storm Water Drainage 1 FT
- Water Table 1 FT
- Proposed Trees 1 FT

**SPECIAL NOTES**

- Approved Road Construction Plans shall be used for all public utilities.
- Public water & sewer shown for reference only. For more detailed information - see water and sewer plans contract No. 24-185G-D.
- The water & sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site W.H.C. shall be 1" copper and the S.H.C. shall be 4" iron.
- Storm Water Management provided for by F 89-41.

**GENERAL NOTES**

- The Land included in this plan is zoned R-20.
- Coordinates shown are based on the Maryland State Plane coordinate system as projected by Howard County Control Station Nos. 3440002 & 3441004-R.
- All roadways are public and existing .96 Acres.
- Total areas included in this plan: .96 Acres.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total number of lots: 5.
- For flag or pipestem lots, refuse collection, snow removal, and maintenance to be provided to the junction of flag or pipestem and the road R/W and not onto the flag or pipestem driveway.
- Storm Water Management provided by F 89-41.
- Max. Lot Coverage allowed is 30%.
- Reference Nos: 88-27, P88-81, F89-41.
- Topo Taken from F89-41 Street Tree, Grading and Sediment Control Plan prepared by Fisher, Collins and Carter Inc.



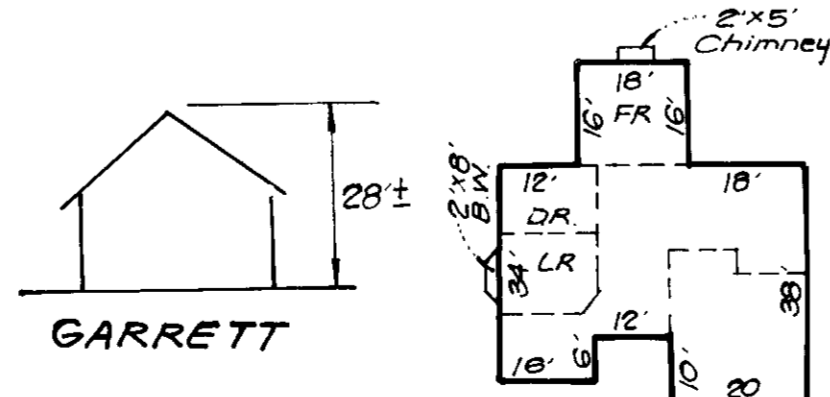
**ADDRESS CHART**

LOT NO.	STREET ADDRESS
92	92-96
93	93-96
94	94-96
95	95-96
96	96-96

OWNER/DEVELOPER:	BRIDGEWATER	2	92-96
DAVIS PROPERTY PARTNERSHIP	8561-8562	B	R-20
17	2nd	6021	
8307 MAIN STREET	ELLCOTT CITY, MD 21043	HC3	5758200

CLARK • FINEFROCK & SACKETT, INC.  
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED	VHL	SITE DEVELOPMENT PLAN	1/30
DRAWN	BAR	LOTS 92-96	
CHECKED	JME	<b>BRIDGEWATER</b>	1 OF 2
DATE	Nov 1988	SECTION 2	
		2nd ELECTION DISTRICT	88-152
		HOWARD COUNTY, MARYLAND	
		DIVERSIFIED HOMES LIMITED	
		804 Dorsey Run Road # A	
		Columbia, Md 20794	



GARRETT

NO.	REVISIONS	DATE
2	Rev. hse. & grad. Lot 95, Add hse. typical	2-22-95
1	Rev. hse. & grad. Lot 93, Add hse. typical	10-27-94



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

DATE: 6-14-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

DATE: 6/14/89

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

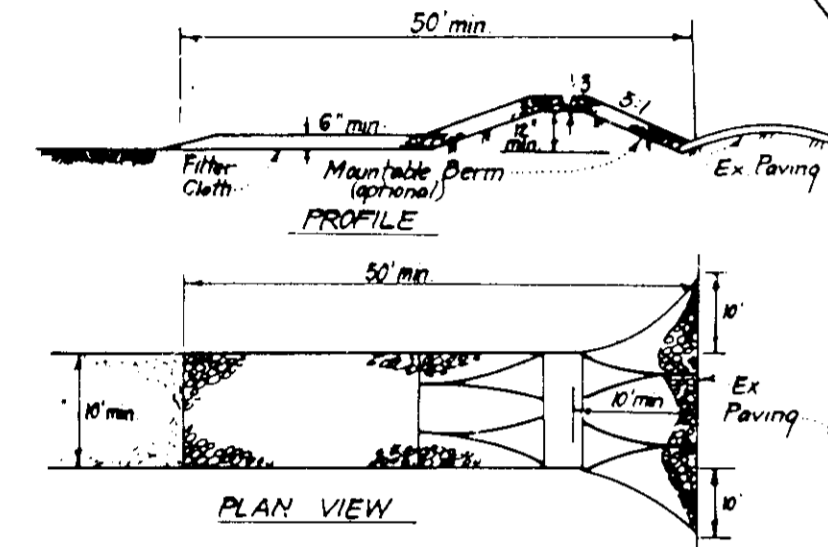
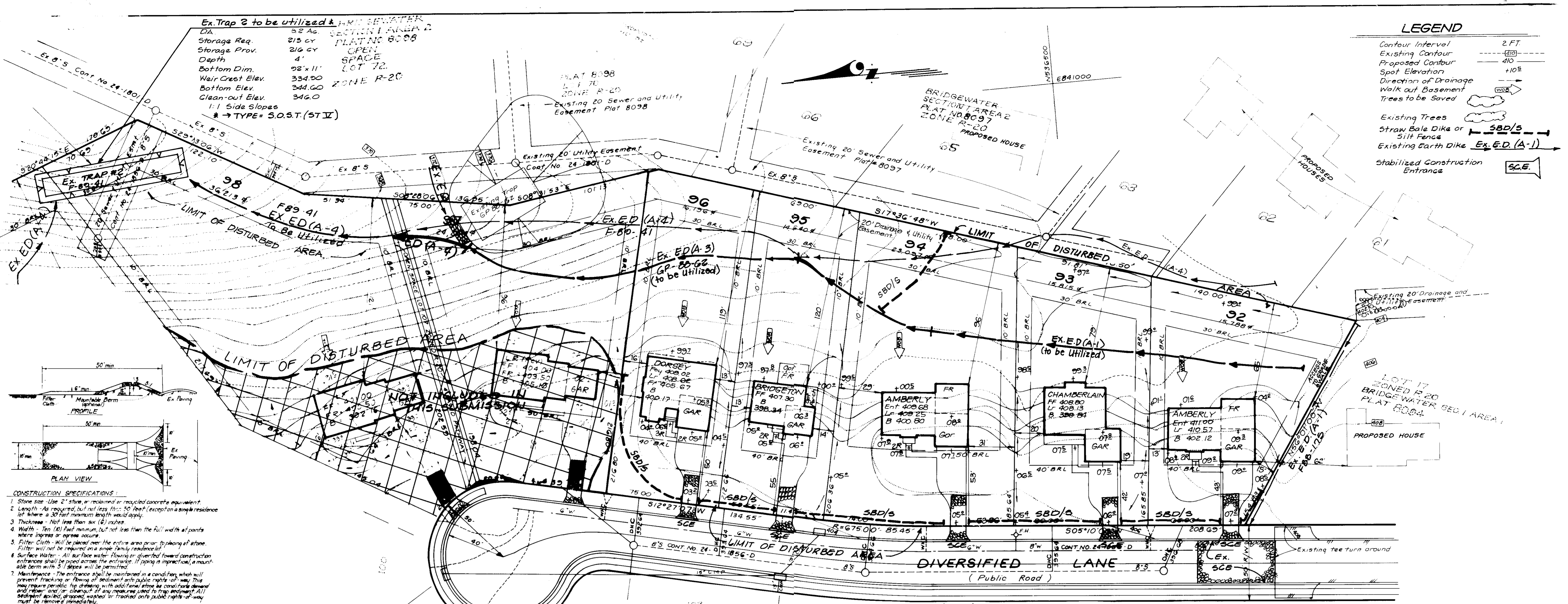
DATE: 6/22/89

1-5-89

Ex. Trap 3 to be utilized  
 DA 52 AC  
 Storage Req. 213 CY  
 Storage Prov. 216 CY  
 Depth 4'  
 Bottom Dim. 02x11'  
 Wair Crest Elev. 334.00  
 Bottom Elev. 344.60  
 Clean-out Elev. 346.0  
 1:1 Side Slopes  
 TYPE = S.O.S.T. (ST II)

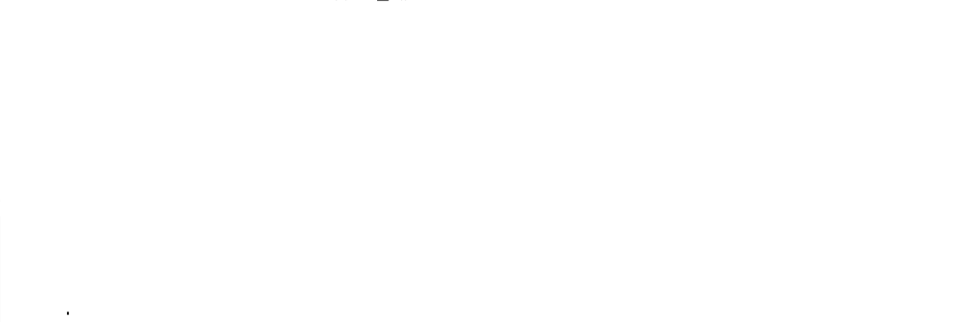
**LEGEND**

- Contour Interval 2 FT
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Walk out Basement
- Trees to be Saved
- Existing Trees
- Straw Bale Dike or Silt Fence
- Existing Earth Dike Ex. E.D. (A-1)
- Stabilized Construction Entrance



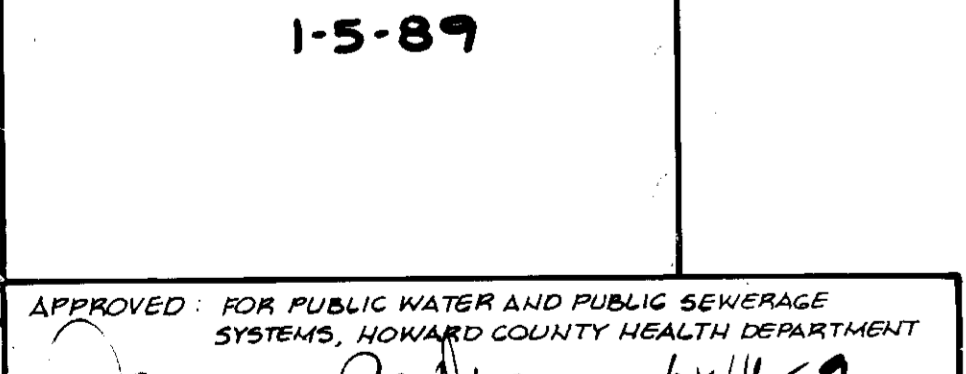
- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone or equivalent or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a simple residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than six (6) inches.
  - Width - Top (1) foot minimum, but not less than the full width at points where ingress or egress occurs.
  - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a simple family residence lot.
  - Surface Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a suitable berm with 5:1 slopes will be permitted.
  - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment with public rights of way. This may require periodic top dressing, with additional stone as conditions demand and repair and/or cleaning of any measures used to trap sediment. All sediment required, dragged, washed or tracked onto public rights of way must be removed immediately.
  - Warning - Wheels shall be cleaned to remove sediment prior to entrance onto public rights of way. When necessary, a requirement of stone on an area stabilized with stone and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**



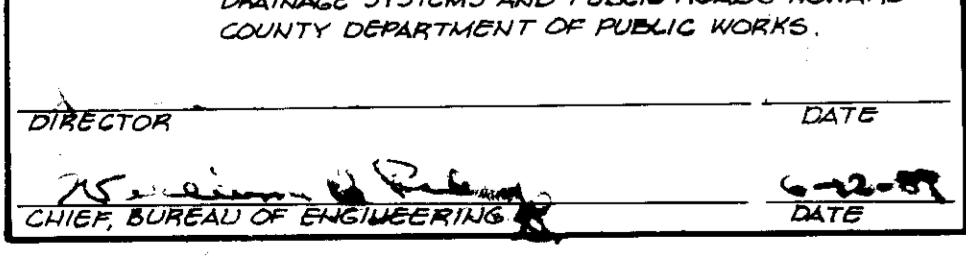
- ANCHORING DETAIL:**
- Bales shall be placed at the Top of a Slope or on the contour and in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
  - Bales shall be securely anchored in place by either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

**STRAIN BALE DIKE DETAIL (SBD)**



- CONSTRUCTION SPECIFICATIONS:**
- When wire fence to be fastened securely to fence posts with wire ties or staples.
  - Filter Cloth to be fastened securely to woven wire fence with ties spaced every 4' or 4m and mid section.
  - When 2 sections of 2' mesh cloth section each other, they shall be overlapped by 6" and stapled.
  - Maintenance shall be performed as needed and material removed when it has served its purpose.

**SILT FENCE DETAIL (S)**



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC AIDS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC AIDS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

**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. *See previously prepared.*
- 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. Narrow 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. Narrow 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 (.09 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 28, protect site by: 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 (30 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.
- 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.
- Soil Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. *See previously prepared.*
- 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 1 thru November 15, seed with 25 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 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 (30 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.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

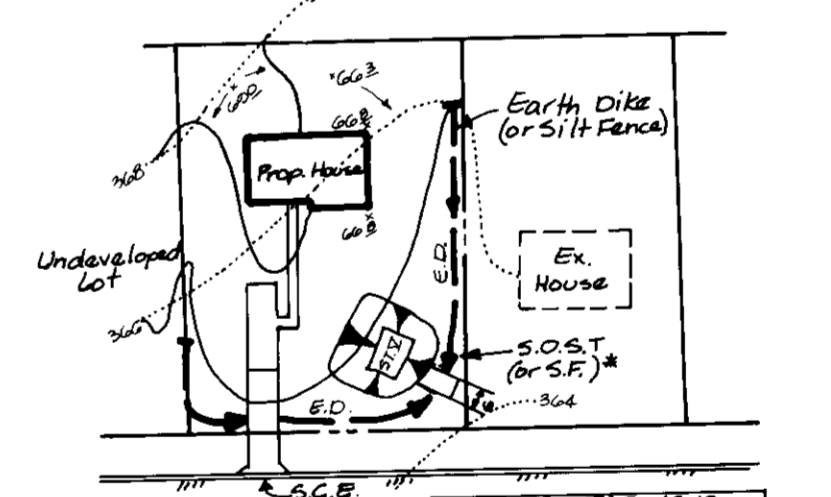
**CONSTRUCTION SEQUENCE:**

- |   | # of days |
|---|-----------|
| A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.                | 7         |
| B. Excavate for Foundations and Rough Grade & Temporarily Stabilize.                                    | 30        |
| C. Construct Structures, Sidewalks and Driveways.   | 120       |
| D. Final Grade and stabilize in accordance with Specs. & Specs.   | 14        |
| E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize. | 7         |

**SEEDING SCHEDULE**

- 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. (092-2337)
- 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.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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. 51). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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.
- Site Analysis:  
 Total Area of Site: 106 Acres  
 Area Disturbed: 130 Acres  
 Area to be roofed or paved: 0.27 Acres  
 Area to be vegetatively stabilized: 0.22 Acres  
 Total Gr.: 130 cu. yds.  
 Total Fill: 286 cu. yds.  
 Offsite waste/borrow area location: N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DWS sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be required 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.
- If basins are to be constructed on a "fast-silt" basis, at random, single lot Sediment Control as shown below shall be implemented. N/A
- Single lot Sediment Control shall be installed at the end of each day (see detail below).
- The total amount of straw bale dikes, silt fence repairs 480 L.F.

**BRIDGEWATER SECTION 2 ZONED R-20 PLAT**



**SINGLE LOT SEDIMENT CONTROL PLAN**  
 No scale

**OWNER/DEVELOPER:**  
 DAVIS PROPERTY PARTNERSHIP  
 % LAND DESIGN & DEVELOPMENT, INC.  
 8307 MAIN STREET  
 ELLICOTT CITY, MD 21043

Reviewed for HOWARD COUNTY S.C.D. Name: J. M. ... Date: 5/23/89  
 Signature: J. M. ...  
 U.S. Soil Conservation Service

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

Signature: Stephen L. ... Date: 5-23-89  
 APPROVED

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I hereby certify that all development and construction will be done according to the plan of development and 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.

Signature: D. ... Date: 12/88

**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: G. Nelson Clark Date: 12-88

**AUTHORIZATION NOTE**

Porten Sullivan hereby authorizes Diversified Homes Ltd. to utilize Existing Trap No. 3 from F-80-41 for sediment control for this project.

Signature: Porten Sullivan Date: 12/12/88

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7900 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: K.I.W.  
 DRAWN: P.R.R.  
 CHECKED: K.I.W.  
 DATE: Dec. 1988

**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 92-98  
**BRIDGEWATER SECTION 2**  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: DIVERSIFIED HOMES LTD.  
 8105 DORSEY RUN ROAD #A  
 COLUMBIA, MARYLAND 20704

SCALE: 1"=30'  
 DRAWING: 2 of 2  
 JOB NO: 88-152  
 FILE NO: 00-1525E

SDP-89-117