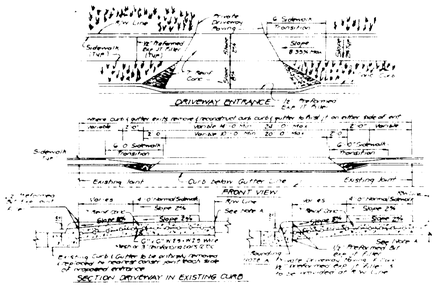
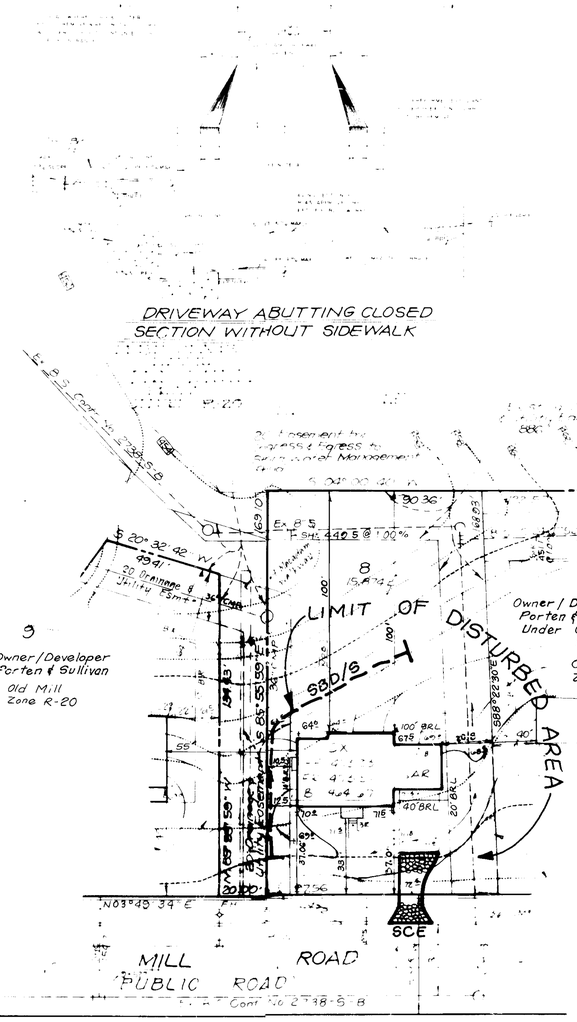
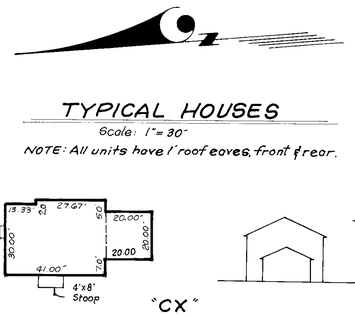
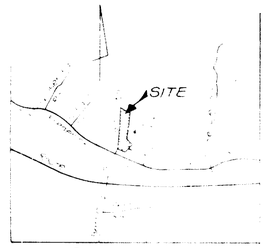


DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB

DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK







VICINITY MAP

LEGEND

Contour Interval
Existing Contour
Proposed Contour
Spot Elevation
Direction of Drainage
Walk Out Basement
Trees to be Saved

Straw Bale Dike / Silt Fence — SBD/S
Stabilized Construction Entrance

GENERAL NOTES

1. Subject property is zoned R-20 per B-2 Rezoning on Zoning Plan.
2. The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County Control Stations 44A004 and 44A002.
3. All roadways are public and existing.
4. Total area included in this submission 15,874 # or 0.364 Ac.
5. Total number of lots 1
6. Any damage to county owned right of way shall be corrected at the developer's expense.
7. Maximum lot coverage is 30%.
8. Reference plans S-87-82, F 88-228 & P-88-16
9. The contractor or developer shall contact the construction Inspection / Survey Division, 24 hours in advance prior to commencement of work at 792-2630.
10. Front Building Restriction Line on Lot 8, has been granted an Administrative Adjustment from 40' to 37' under Case No. AA 89-14. on June 8, 1989.
11. All work shall be done in accordance with Ho. Co. Design Manual Vol. IV Std., Spec. & Details for construction 1989 Amendments.

SPECIAL NOTES

1. Approved Road Construction Plans shall be used for public utilities.
2. Public water and sewer shown for reference only. For more detailed information see Water & Sewer Contract 24-1752 D and 6-PA-1-S.R.
3. The water and sewer house connections shall be shown on a Developer's Agreement shall be in accordance with Howard County Plumbing Code. The on-site water and sewerline shall be shown on the plumbing plan.
4. Stormwater Management provided for per F 88-228.

Existing drainage easements shall be shown on Grading Plan by Land Planning & Development, Inc.

MINIMUM 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. (992-2337)
2. All excavation 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: 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	0.364	Acres
Area disturbed	0.18	Acres
Area to be roofed or paved	0.064	Acres
Area to be vegetatively stabilized	0.116	Acres
Total Cut	____	Cu. yds
Total Fill	____	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 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 grade inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. If houses are to be constructed on a "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 dike / silt fence equals 120 L.F.

PERMANENT SEEDING NOTES

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

Seedbed 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 square 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 (.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 1½ 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 218 gal/ton 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.

Maintenance - 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.

Seedbed 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)

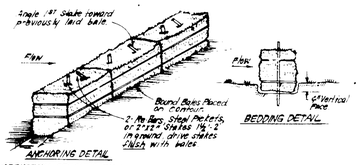
Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bushel per acre of annual rye (1.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1½ lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect 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 1½ 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 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 feet 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.

CONSTRUCTION SEQUENCE:

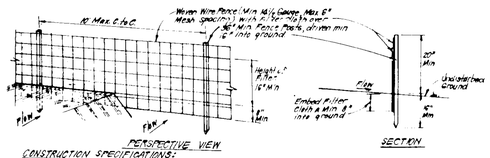
	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for foundations and Rough Grade & Temporarily Stabilize	7
C. Construct Structures, Sidewalks and Driveways.	60
D. Final Grade and scabilize in accordance with Stds. & Specs.	30
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	7



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 4" and placed so the bind rips are horizontal
3. Bales shall be securely anchored in place by either 2 stakes or re bars driven thru the bale. The (2) 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)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 8½" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.

POSTS: Steel either T or U Type or 2" x 2" Hardwood.
FENCE: Woven Wire, 14½ Gauge, 6" Max. Mesh Opening.
FILTER CLOTH: Filter X, Mirafi 100X, Stabinka T100N or Approv. equal.
PREFABRICATED UNIT: Geofab, Enviofence, or Approv. equal

SILT FENCE DETAIL (S)
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

BUILDING RESTRICTION LINES
Front 40' Min. unless noted
Rear 30 Min
Side 10 Min

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 — Date 6-9-89

6-9-89

Reviewed for HOWARD SCD and meets Technical Requirements
Signature — Date 7/27/89
U.S. Soil Conservation Service

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

Approved — Date

6-12-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 8/1/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DIRECTOR — DATE 8/21/89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 8/21/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 7/28/89
CHIEF BUREAU OF ENGINEERING — DATE 7-28-89

7-6-89

ADDRESS CHART	
LOT Nº	STREET ADDRESS
8	9975 OLD MILL ROAD

OLD MILL				8	
8288	8	R 20		2ND	6021
H03		5758200			

CLARK • FINEFROCK & SACKETT INC
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTER AVE. • COLUMBIA, MD 21044 • (301) 596-0660 • FAX (301) 621-2146

DESIGNED JLS	SITE DEVELOPMENT & SEDIMENT AND EROSION CONTROL PLAN LOT 8
DRAWN BAK	OLD MILL
CHECKED JLS	2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE June 1989	Porten Sullivan Corp. 7501 Wisconsin Ave. Suite 1200 Bethesda, Maryland 20814

88-071

SDP-89-265