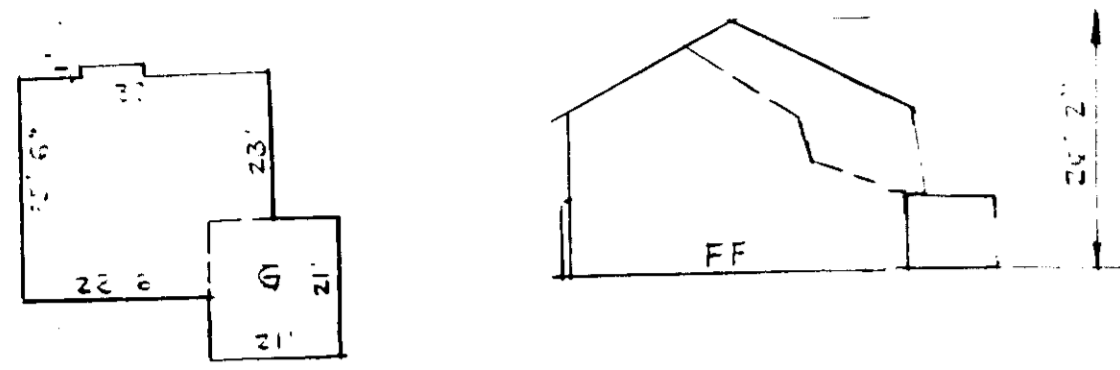
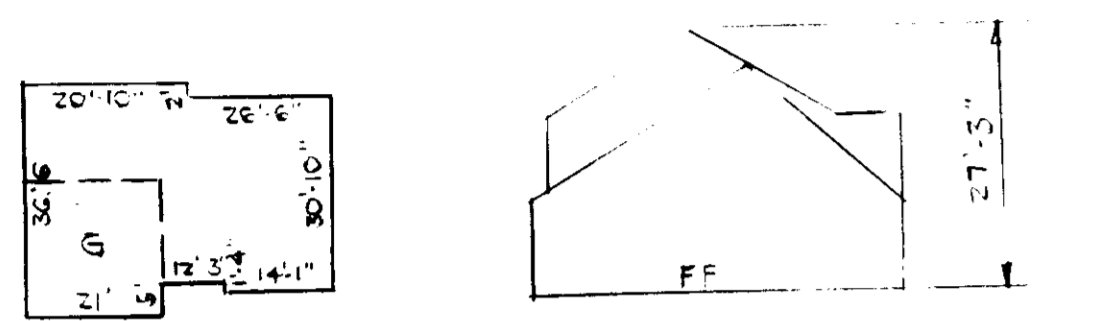


COLUMBIAN II



MARYLANDER



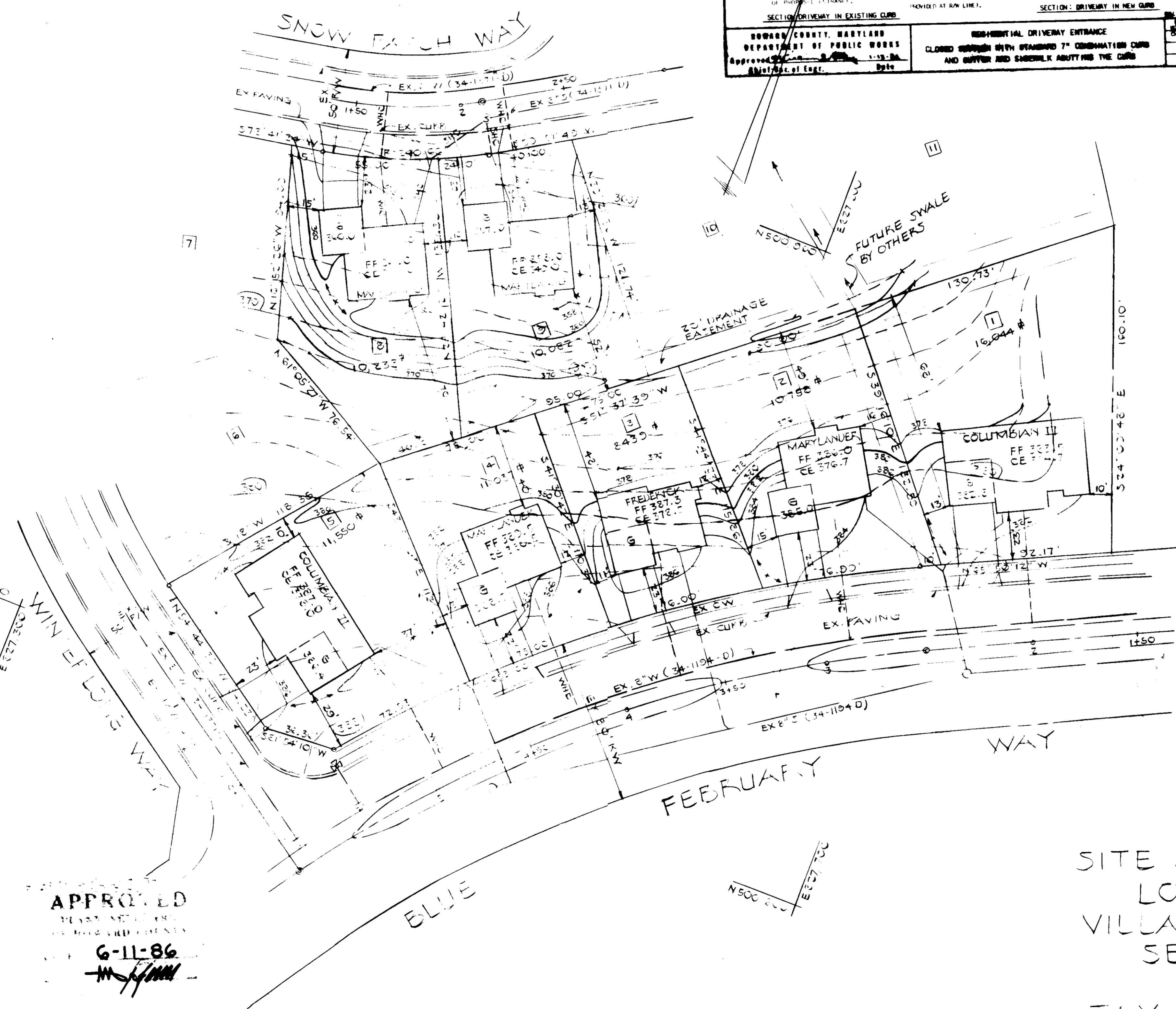
FREDERICK

HOUSE TYPES

ENGINEER'S CERTIFICATE
I 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 Conservation District.

HUDKINS ASSOCIATES INC.
200 EAST JOH A FORD
ROOM 101, SHELL BUILDING
TOWSON, MARYLAND 21284

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
James M. Hahn 6-19-86
U.S. SOIL CONSERVATION SERVICE Date
This Development Plan is approved for erosion and sediment control by the Howard Soil Conservation District.
Robert Zielinski 6-19-86
District Coordinator Date
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas A. Amis 6-27-86
PLANNING DIRECTOR Date
John W. Muschman 6-27-86
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. Date
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James Byrne 6-26-86
COUNTY HEALTH OFFICER Date
APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS & PUBLIC ROADS. HOWARD COUNTY DEPT. OF PUBLIC WORKS.
Wolfgang F. Nummy 6-24-86
DIRECTOR Date
William S. ... 6-24-86
CHIEF BUREAU OF ENGINEERING Date



APPROVED
6-11-86
[Signature]

DEVELOPER'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the Project. I also authorize periodic onsite inspection by The Howard Conservation District of their authorized Agents as are deemed necessary."
[Signature] 6/18/86
DEVELOPER

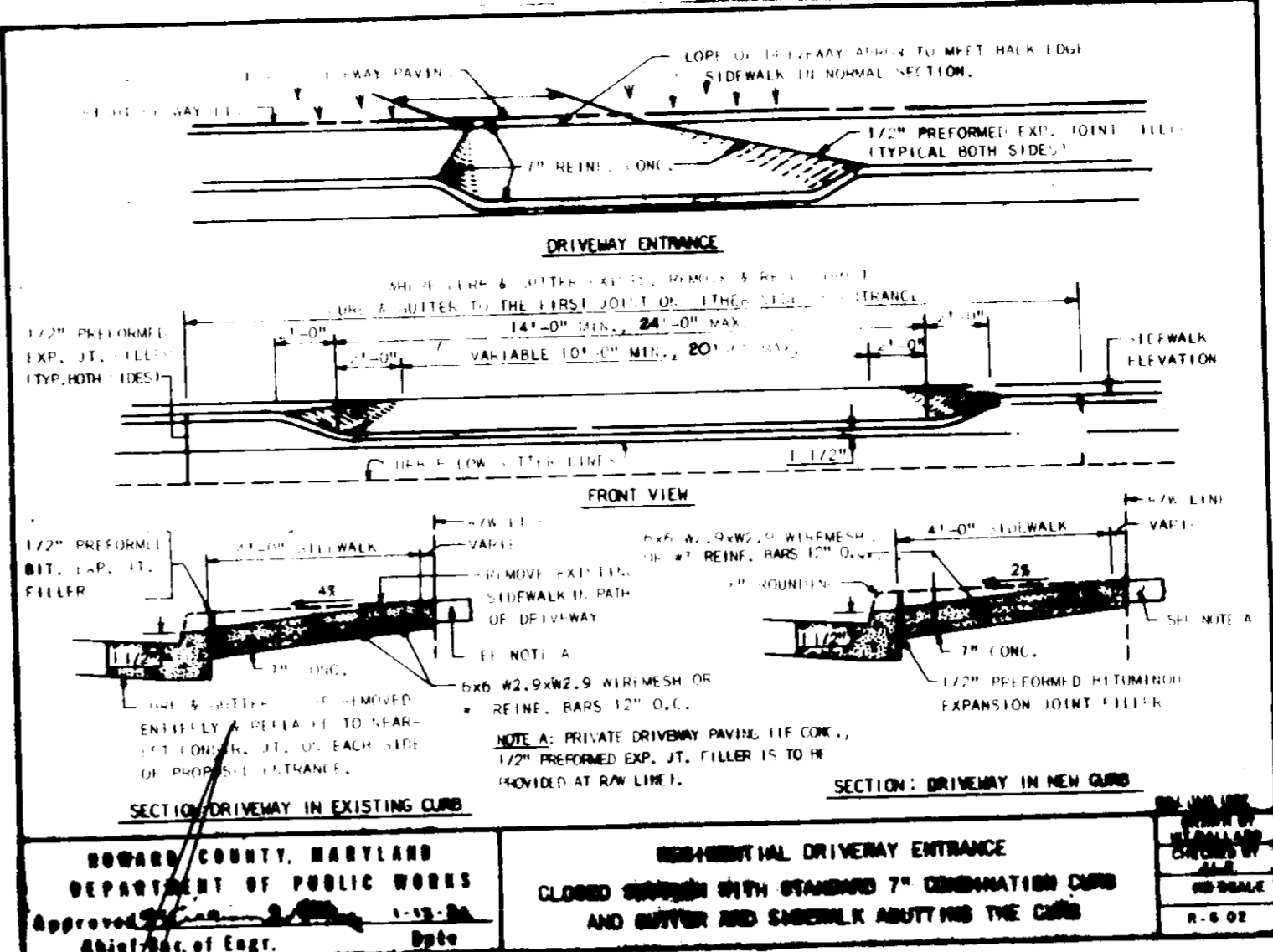
OWNER & DEVELOPER
CONSOLIDATED HOME BUILDING CORP.
SUITE 116 GORMAN PLAZA BLDG.
2350 RTE 102 COLUMBIA, MD 21045
935-0065

SITE DEVELOPMENT PLAN
LOTS 1, 2, 3, 4, 5, 8 & 9
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA II
PLAT NO. 6481
TAX MAP 35 PARCEL
ELECT. DIST. 5 HOWARD CO., MD.
SCALE: 1" = 30' APRIL 18, 1986
SHEET 1 OF 2

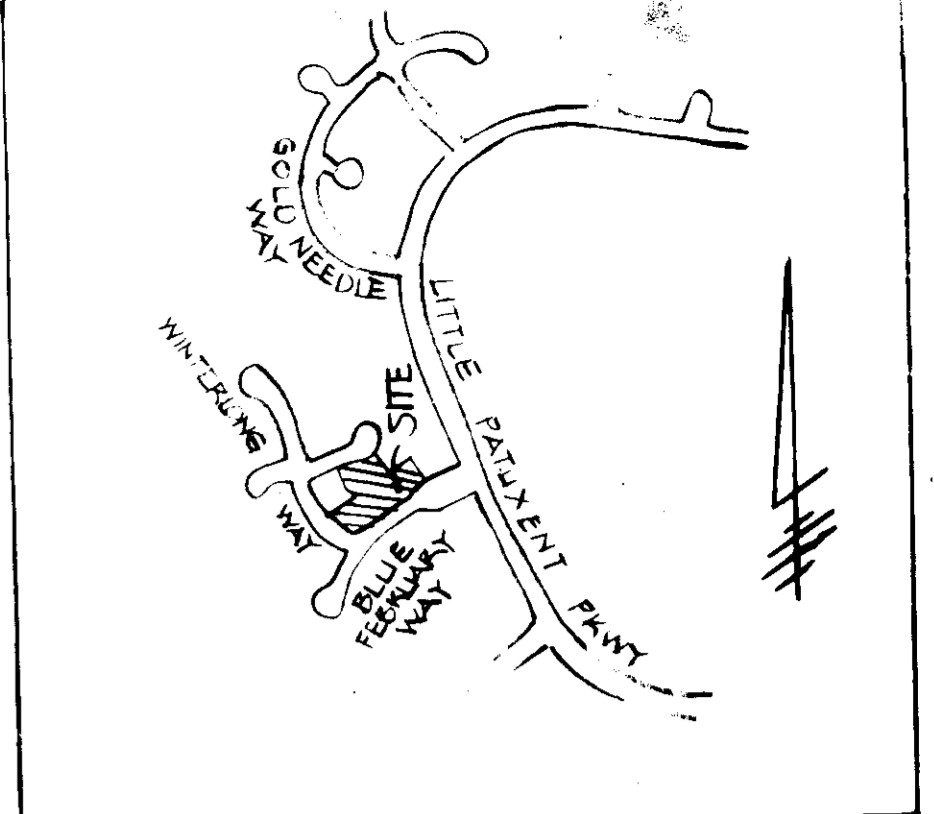
ADDRESS CHART

LOT NO	ADDRESS
1	11204 BLUE FEBRUARY WAY
2	11808 " "
3	11812 " "
4	11216 " "
5	11800 WINTERLONG WAY
8	11802 SNOW PATCH WAY
9	11810 SNOW PATCH WAY

V.H.P. 3/11 1-5 8 0
Block 10 35 5
T-15, E-27 6700000, 6660000



HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: [Signature] 6-15-86
Date



LOCATION PLAN
SCALE 1" = 800'

- NOTES
- EX. ZONING - NEW TOWN FDP PHASE 18/A, PART III
 - TOTAL AREA OF SUBMISSION = 1.79 AC. ±
 - TOTAL NO OF LOTS = 7
 - SITE IS NOT AFFECTED BY A 100 YEAR FLOOD PLAN

NOTE: LOTS 1, 3, 4, 5, & 8 HAVE NO SEWER SERVICE TO BASEMENT

A minimum of 10 days 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 accordance with the 1983 NANTLAND 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 permanent sediment control structures, ditches, perimeter slopes and all slopes greater than 3:1. 30 days for all other disturbed or graded areas on the project site.

4) All sediment traps/basins shown must be fenced and warning signs are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

5) Site Analysis:
 Total Area of Site: 1.79 Acres
 Area Disturbed: 1.79 Acres
 Area to be reseeded or paved: 0.37 Acres
 Area to be vegetatively stabilized: 1.39 Acres
 Total Cut: 2500 Cu. Yds.
 Total Fill: 2500 Cu. Yds.
 Office waste/borrow area location: TO BE DETERMINED

6) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

7) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.

8) 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.

SEEDING PREPARATION: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Use one of the following:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (62 lbs./1000 square ft.) and 800 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 urea form fertilizer (9 lbs./1000 sq. ft.)
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (62 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 40 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 40 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) Disc and. Option (3) Seed with 40 lbs. fescue Kentucky 31 tall fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 15 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 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 3:1 or higher, use 348 gallons per acre (18 gal./1000 sq. ft.) for anchorage.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES:

Seeding Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

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 Nov. 15, seed with 24 lbs. 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 seed.

Mulching: Apply 15 to 2 tons per acre (70-90 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, 3:1 or higher, use 348 gal. per acre (18 gal./1000 sq. ft.) for anchorage.

- SEQUENCE OF CONSTRUCTION**
1. Obtain building permit
 2. Notify Howard County Dept. of Permits and Licenses
 3. Install sediment control devices
 4. Obtain approval from sediment control inspector
 5. Grade site & stabilize with mulch in accordance with standards and specs
 6. Begin building construction
 7. Stabilize in-void areas per permanent seeding procedures
 8. Remove sediment control features after obtaining approval and stabilize those areas

ENGINEER'S CERTIFICATE

I 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 Conservation District.

HUDKINS ASSOCIATES, INC.
 200 EAST JOPPA ROAD
 ROOM 101, SHELL BUILDING
 TOMSON, MARYLAND 21204

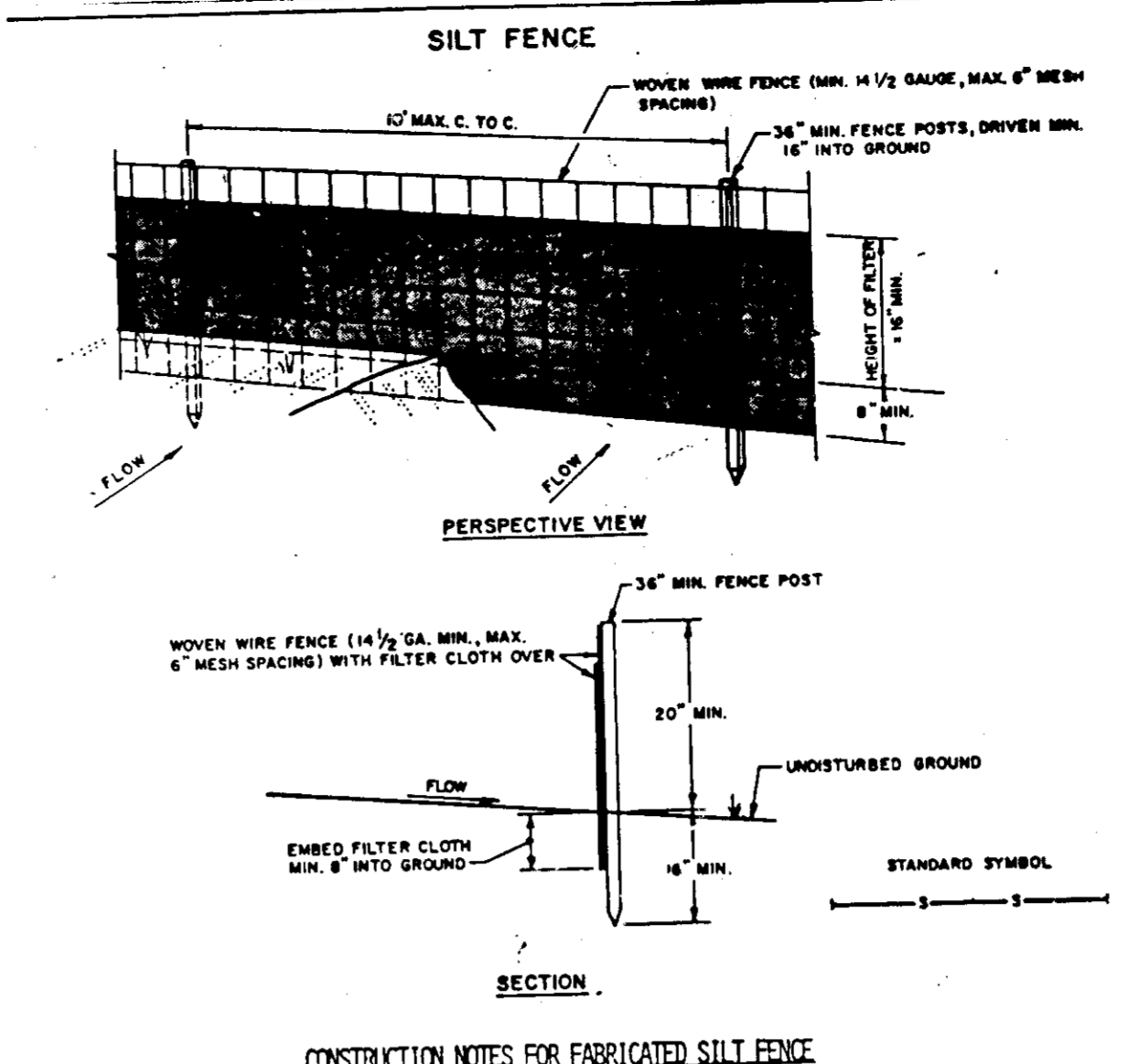
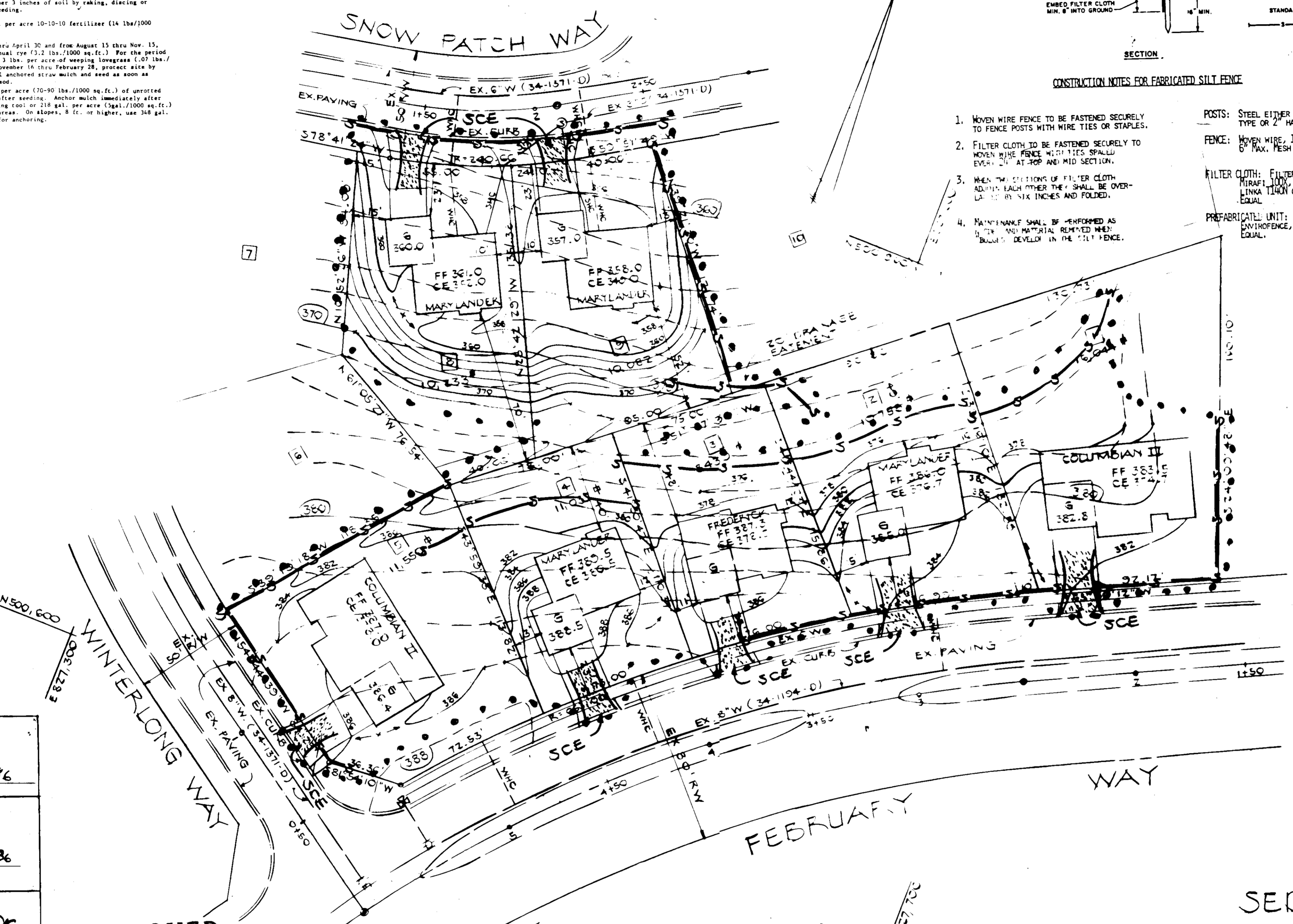
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND STATE TECHNICAL REQUIREMENTS.	
<i>James McHale</i>	6-19-86
S. SOIL CONSERVATION SERVICE	Date
This Development Plan is approved for erosion and sediment control by The Howard Soil Conservation District.	
<i>Robert W. Ziehm</i>	6-19-86
District Coordinator	Date
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>Donald L. Harris</i>	6-27-86
PLANNING DIRECTOR	Date
<i>John M. Muehler</i>	6-27-86
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN.	Date
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>Joseph E. Lucas</i>	6-26-86
HEALTH OFFICER	Date
APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS & PUBLIC ROADS. HOWARD COUNTY DEPT. OF PUBLIC WORKS.	
<i>Joseph E. Lucas</i>	6-24-86
DIRECTOR	Date
<i>William E. R. Jones</i>	6-24-86
CHIEF BUREAU OF ENGINEERING	Date

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 6-11-86
M. J. P. M.

DEVELOPER'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by The Howard Conservation District of their authorized Agents as are deemed necessary."

Consolidated Home Building Corp.
 6/18/86

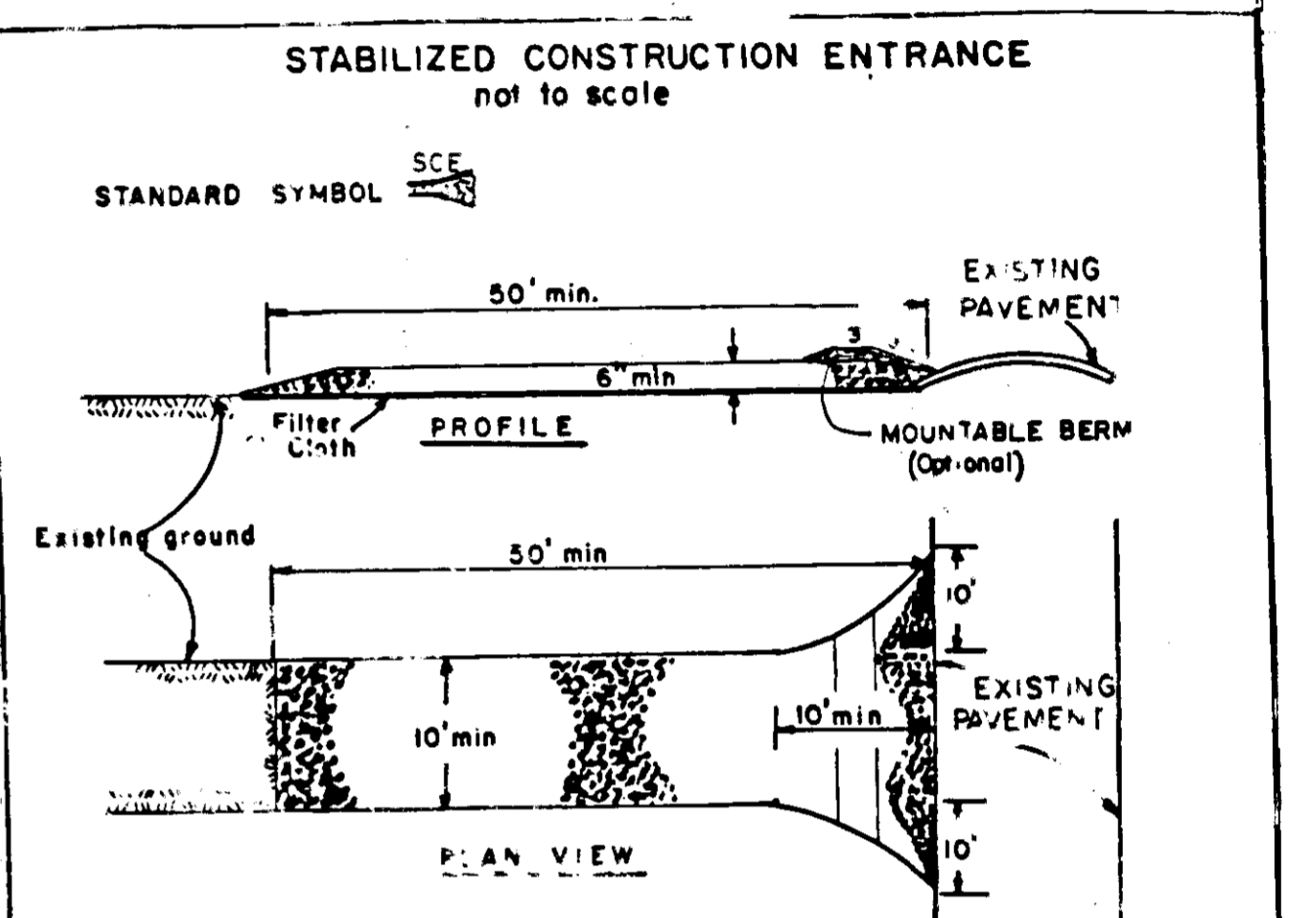


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES SPACED EVERY 24\"/>
- POSTS: STEEL EITHER T OR U TYPE OR 2\"/>

FENCE: WOVEN WIRE, 1/2\"/>

FILTER CLOTH: FILTER X, MIRAFLO, STABILINK, TYPON OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOPAB, CANTONFENCE, OR APPROVED EQUAL.



- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2\"/>
 - 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 6\"/>
 - 4. Width - Top (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - 5. Filter Cloth - Will be provided 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 mountable berm with 5:1 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 as conditions demand and repair and/or cleaning of any devices 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 rain.
- U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 College Park, Md.
- STABILIZED CONSTRUCTION ENTRANCE
 Standard Drawing
 SCE-1

NOTE ALL EXCESS CUT OR BORROW MATERIAL SHALL BE TAKEN TO OR BORROWED FROM A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.

SEDIMENT CONTROL PLAN
 LOTS 1, 2, 3, 4, 5, 8 & 9
 VILLAGE OF HICKORY RIDGE
 SECTION 3 AREA II
 PLAT NO. 6481
 TAX MAP 35 PARCEL
 ELECT. DIST. 5 HOWARD CO., MD.
 SCALE: 1" = 30' APRIL 18, 1986
 SHEET 2 OF 2

OWNER & DEVELOPER
 CONSOLIDATED HOME BUILDING
 CORP.
 SUITE 110 GORMAN PLAZA BLDG.
 8330 RTE. 108 COLUMBIA, MD 21045
 305-0065