

TYPICAL SECTION - PATUXENT WOODS DRIVE

SCALE: 1"=10'
LOCAL STREET - 30 MPH DESIGN SPEED

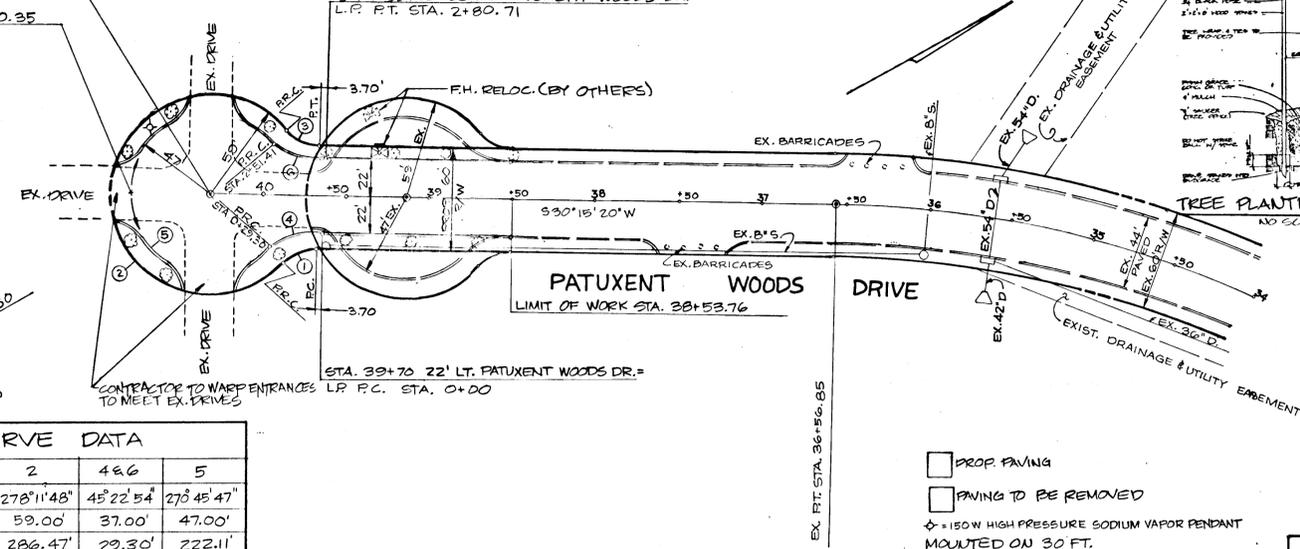
- GENERAL NOTES**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, "STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION."
 2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
 3. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITY, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
 4. CONTRACTOR TO NOTIFY "MISS UTILITY" PHONE (1) 531-0100 AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THIS / THESE DRAWING (S).
 5. INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION.
 6. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME III STANDARDS. 30 M.P.H.
 7. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
 8. ALL COORDINATES BASED ON MARYLAND STATE GRID SYSTEM.
 9. CONTRACTOR TO RESTORE ALL EXISTING PAVING, SIDEWALKS OR LAWNS AFFECTED BY THE CONSTRUCTION SHOWN HEREON TO A CONDITION COMPARED TO THAT EXISTING PRIOR TO CONSTRUCTION.
 10. **STREET TREES:**
THE LOCATION, TYPE AND NUMBER OF TREES SHOWN ON THESE PLANS ARE TENTATIVE AND ARE USED FOR BOND PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF TREES MAY VARY TO ACCOMMODATE FIELD CONDITIONS BUILDER'S LANDSCAPED PROGRAM. BOND RELEASE IS CONTINGENT UPON SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, AS APPROVED BY THE DEPT. OF PLANNING AND ZONING.

C.P. @ STA. 40+22.79
N48°17'3.67"
E84°17'50.30"

HIGH POINT LP STA. 1+40.35
P.G.L. ELEV. 302.31

FIRE HYDRANT RELOCATION PLAN & PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



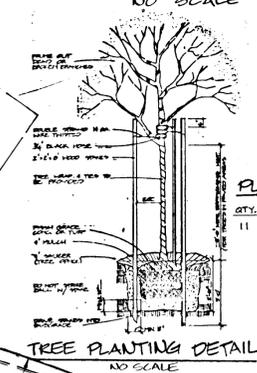
CURVE DATA

CURVE	1&3	2	4&6	5
Δ	49°05'54"	278°11'48"	45°22'54"	270°45'47"
R	25.00'	59.00'	37.00'	47.00'
L	21.42'	286.47'	29.30'	222.11'
T	11.42'	—	15.47'	—
LC	20.77'	—	28.55'	—

PLAN

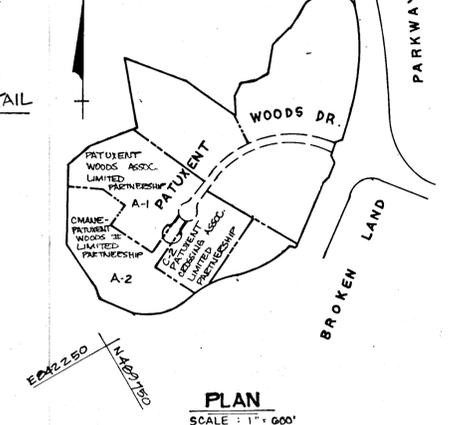
SCALE: 1"=50'

- PROP. PAVING
- PAVING TO BE REMOVED
- ◇ = 150W HIGH PRESSURE SODIUM VAPOR PENDANT MOUNTED ON 30 FT. BRONZE STANDARD.



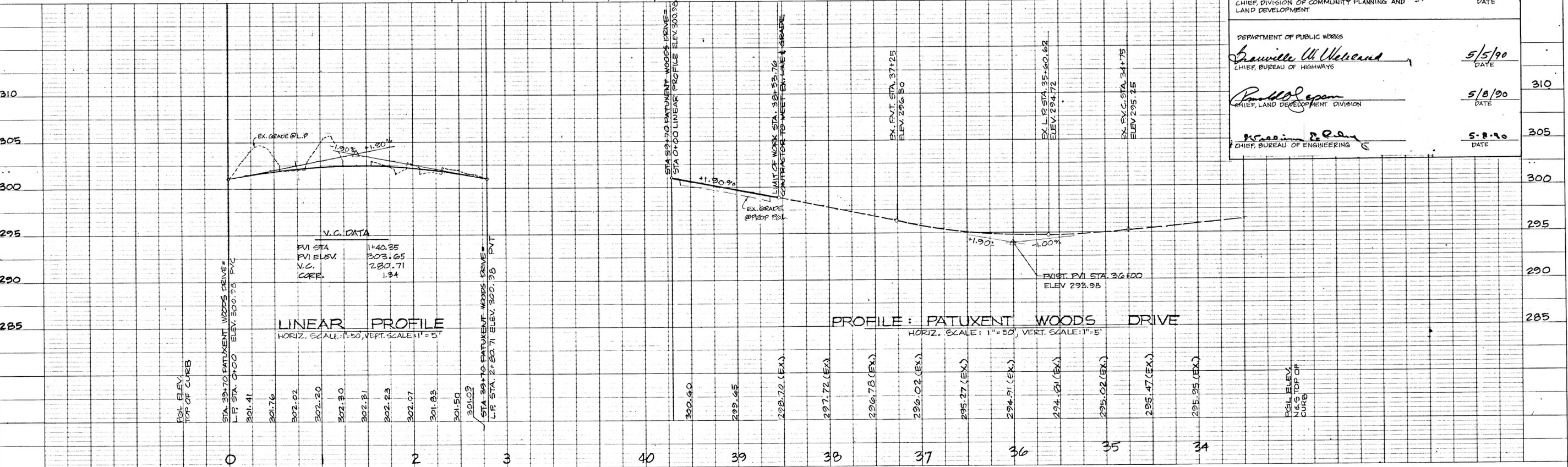
PLANT LIST

QTY.	SPEC. / COMMON NAME	SIZE	REMARKS
11	ACEK CACUMINATA	2-3\"/>	



PLAN

SCALE: 1"=500'



LINEAR PROFILE

HORIZ. SCALE: 1"=50', VERT. SCALE: 1"=5'

PROFILE: PATUXENT WOODS DRIVE

HORIZ. SCALE: 1"=50', VERT. SCALE: 1"=5'

DEPARTMENT OF PLANNING AND ZONING

Wanda S. J. Coughlin 5/1/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

DEPARTMENT OF PUBLIC WORKS

Bruce W. Utterland 5/5/90
CHIEF, BUREAU OF HIGHWAYS

Donald J. Sporn 5/8/90
CHIEF, LAND DEVELOPMENT DIVISION

James P. Reed 5-8-90
CHIEF, BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS _____ DATE _____

CHIEF, BUREAU OF ENGINEERING _____ DATE _____

GEORGE WILLIAM STEPHENS, JR.
AND ASSOCIATES, INC.

CIVIL ENGINEERS & LAND SURVEYORS

658 KENILWORTH DRIVE, SUITE 100
TOWSON, MARYLAND 21204
(301) 825-8120

DES.	MM
DRN.	MM
CHK.	
DATE:	11/89
BY:	NO
REVISION:	
DATE:	

600' SCALE MAP NO.	BLOCK NO.

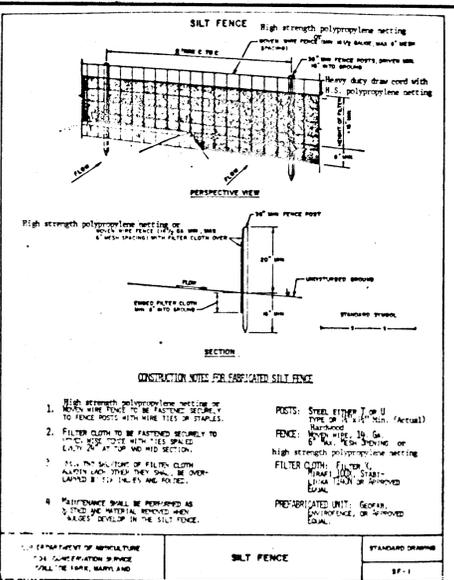
PATUXENT WOODS DRIVE
FROM STA. 38+50 SOUTHWESTERLY TO A CUL-DE-SAC

VILLAGE OF OWEN BROWN
SECTION 6 AREA 1
WP-90-14

HOWARD COUNTY, MD
6TH ELECTION DISTRICT
JANUARY 23, 1990

SCALE AS SHOWN

SHEET 1 OF 2



- SEDIMENT CONTROL NOTES**
- 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)
 - 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 redistribution, permanent or temporary stabilization shall be completed within: a) 1 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.
 - 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.
 - 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 seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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	26 Acres
Area Disturbed	21.25 Acres
Area to be roofed or paved	2.5 Acres
Area to be vegetatively stabilized	2.25 Acres
Total Cut	425 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 controls must be provided, if deemed necessary by the Howard County DPV sediment control Inspector.
 - 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.

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, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

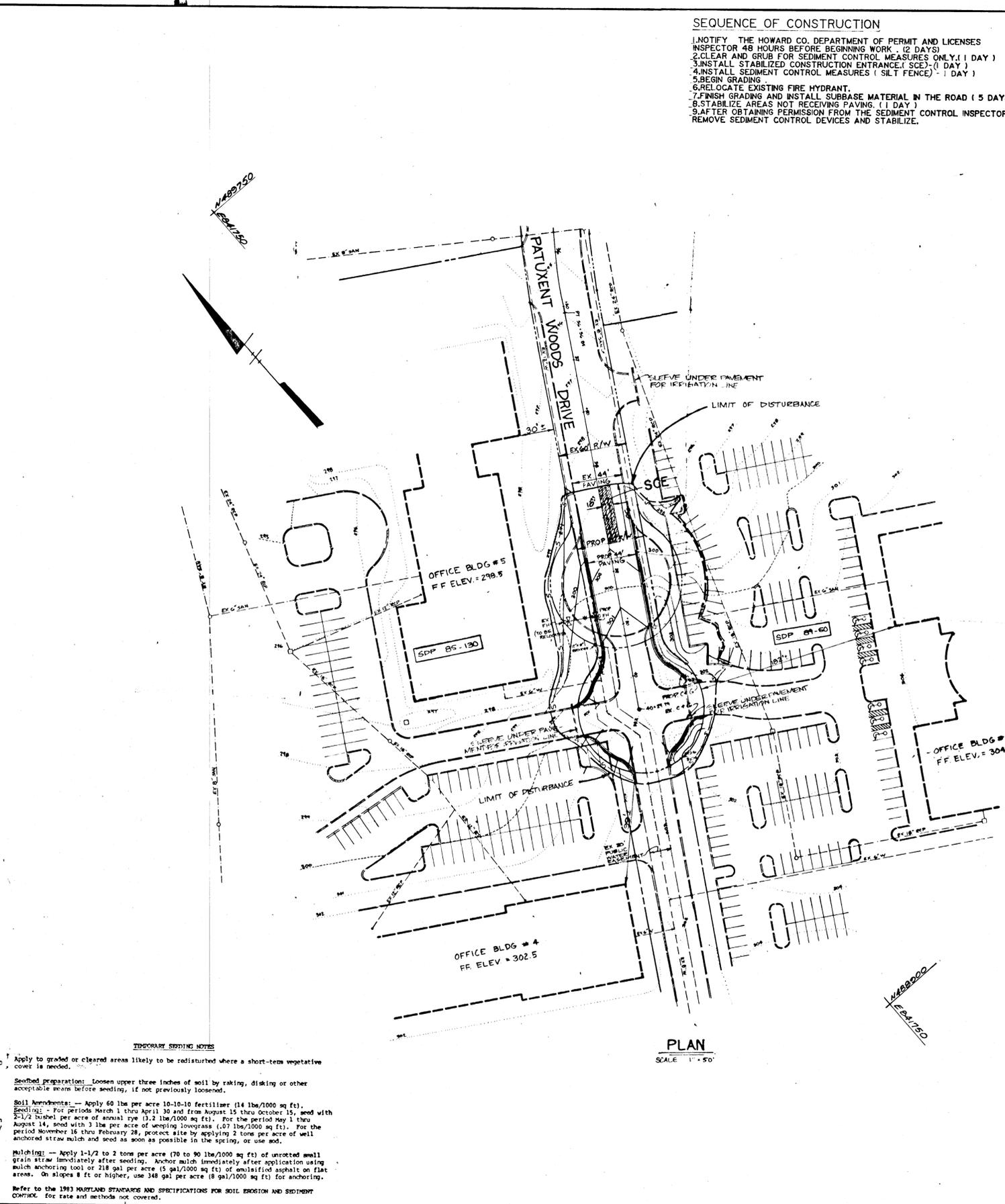
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft).
- Acceptable - 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 disk 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 (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 seeding lowgrass. 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 1-1/2 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 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.

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 658 KENILWORTH DRIVE, SUITE 10C
 TOWSON, MARYLAND 21204
 (301) 825-8120



ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

ENGINEER: *Yashvanta Chandra*
 REG. NO. 8730 DATE: 2/1/90

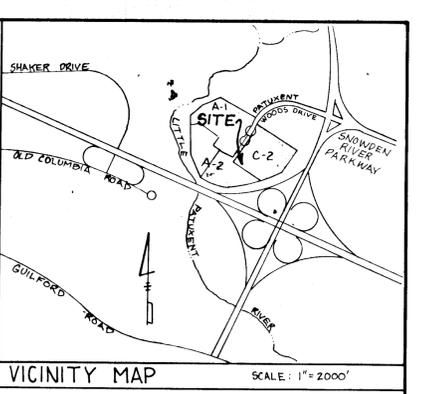
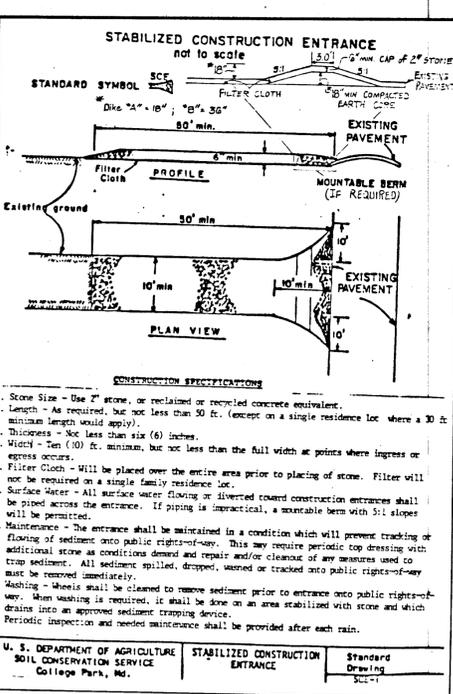
OWNER / DEVELOPER

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: *Donald G. Taylor* DATE: 1/25/90
 NAME: DONALD G. TAYLOR TITLE: G.W.S. PARTNER

- SEQUENCE OF CONSTRUCTION**
- NOTIFY THE HOWARD CO. DEPARTMENT OF PERMIT AND LICENSES INSPECTOR 48 HOURS BEFORE BEGINNING WORK. (2 DAYS)
 - CLEAR AND GRUB FOR SEDIMENT CONTROL MEASURES ONLY. (1 DAY)
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE (SCE). (1 DAY)
 - INSTALL SEDIMENT CONTROL MEASURES (SILT FENCE). (1 DAY)
 - BEGIN GRADING.
 - RELOCATE EXISTING FIRE HYDRANT.
 - FINISH GRADING AND INSTALL SUBBASE MATERIAL IN THE ROAD (5 DAYS)
 - STABILIZE AREAS NOT RECEIVING PAVING. (1 DAY)
 - AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE.



U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing Sheet
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THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.

APPROVED HOWARD SOIL CONSERVATION DISTRICT
John W. ... DATE: 4/24/90

PLAN NUMBER: _____ DATE: 4/30/90

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
John M. ... DATE: 4-30-90

U.S. SOIL CONSERVATION SERVICE DATE: _____

APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE: _____

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Mark ... DATE: 5/1/90
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER, PUBLIC SEWAGE, STORM DRAINAGE SYSTEM, AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Robert ... DATE: 5/8/90
 CHIEF BUREAU OF ENGINEERING

Lawrence W. ... DATE: 5/5/90
 CHIEF, BUREAU OF HIGHWAYS

Paul ... DATE: 5/8/90
 CHIEF, LAND DEVELOPMENT DIVISION

FINAL GRADING PLAN & SEDIMENT AND EROSION CONTROL PLAN
PATUXENT WOODS DRIVE

VILLAGE OF OWEN BROWN SECTION 6 AREA I

HOWARD COUNTY, MD
 6TH ELECTION DISTRICT
 JANUARY 23, 1990
 WP-90-14
 SHEET 2 OF 2