

1) SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
 2) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

DEVELOPERS CERTIFICATION

I HEREBY CERTIFY THAT I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN AND THAT ALL CLEARING, GRADING CONSTRUCTION AND OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY 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.

ENGINEERS CERTIFICATION

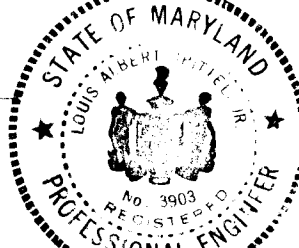
I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR DEVELOPING AREAS. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

REVIEWED FOR SOIL CONSERVATION DISTRICT & M&P TECHNICAL REQUIREMENTS.

James M. Kelly
 U.S. SOIL CONSERVATION SERVICE

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

Stephen J. Spitzer
 SOIL CONSERVATION DISTRICT



NOTE: ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CH. 12, OF THE HO. CO. DESIGN MANUAL, STORM DRAINAGE.

SOIL CONSERVATION NOTES

- OBTAIN GRADING PERMIT
- THE HO. COUNTY BUREAU OF LICENSE INSPECTIONS AND PERMITS SHALL BE GIVEN 48 HRS. NOTICE PRIOR TO ANY GRADING OPERATION
- ALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN UNLESS OTHERWISE NOTED, SHALL BE INSTALLED IN ACCORDANCE WITH NOTE #8. ALL SLOPES SHALL BE MAX. 3:1
- FOLLOWING THE STABILIZATION OF ALL AREAS TO BE UP GRADED SEDIMENT CONTROL MEASURES MAY BE REMOVED AND GRADED TO THE FINAL GRADES SHOWN AND STABILIZED IMMEDIATELY.
- IN THE CASE OF EXCESS MATERIAL, EXCESS SHALL BE STOCKPILED ON SITE WITH A MAX. 3:1 SLOPE IN A AREA CLEARED FOR THIS PURPOSE STABILIZED IN ACCORDANCE WITH NOTE #8.
- SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED.
- PERMANENT STABILIZATION
 APPLY 4000 LBS PER AC. OF DOLOMITIC LIMESTONE
 120 LBS PER AC. OF 0-20-20
 AT TIME OF SEEDING APPLY 400 LBS OF 30-0-0 FERTILIZER & 500 LBS OF 10-20-20 OR EQUIVALENT FERTILIZER PER AC.
 SEED: 100 LBS PER AC. OF KENTUCKY 31 TALL FESCUE & 2 LBS/AC. OF WHEATING
 NOTE: SEED BETWEEN MAR. 1 - MAY 1 OR AUG. 1 - OCT. 1 ONLY.
 MULCH 2 TONS PER AC. OF UNWEATHERED WHEAT STRAW.
 TIE DOWN MULCH WITH 200 GAL. PER AC. OF CUTBACK LIQUID ASPHALT.
- EXPOSED AREAS LEFT FOR 45 DAYS SHALL BE STABILIZED WITH VEGETATION OR MULCH. SEE NOTE #8.
- SITE ANALYSIS
 A. TOTAL AREA OF SITE 0.973 AC.
 B. AREA TO BE DISTURBED 20 AC.
 C. LOCATION AS SHOWN
 D. EXIST. SITE CONDITIONS EX. BLDG & PAVING, OPEN SPACE
 E. AREA PRESENTLY DISTURBED 0.4 AC
 F. AREA TO BE VEGETATED 0.10 AC.
 G. TOTAL CUT 300 C.Y.
 H. TOTAL FILL REQ. 300 C.Y.
 I. STORM WATER MANAGEMENT AS SHOWN



CONSTRUCTION SEQUENCE - ESTIMATED TIME OF COMPLETION

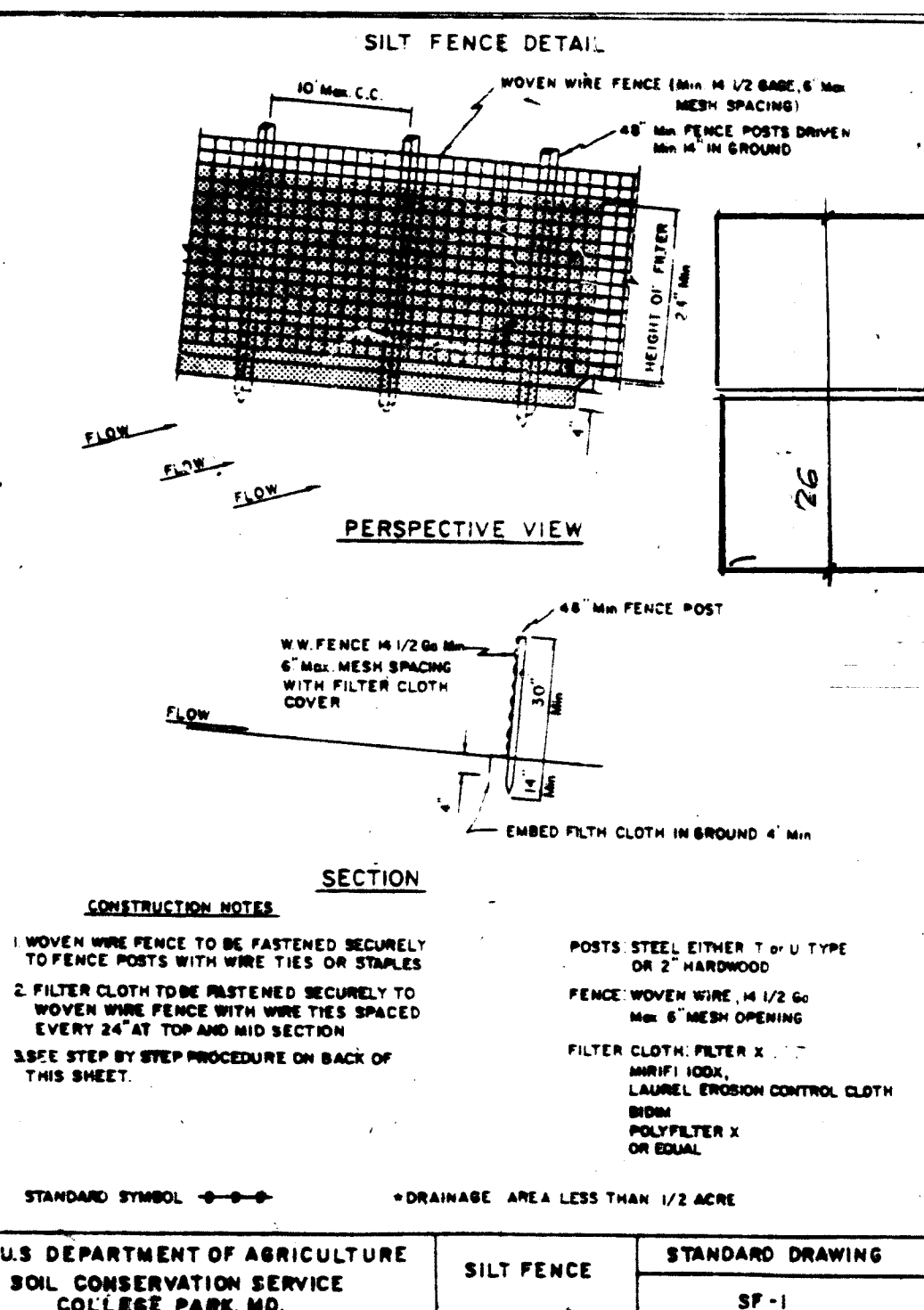
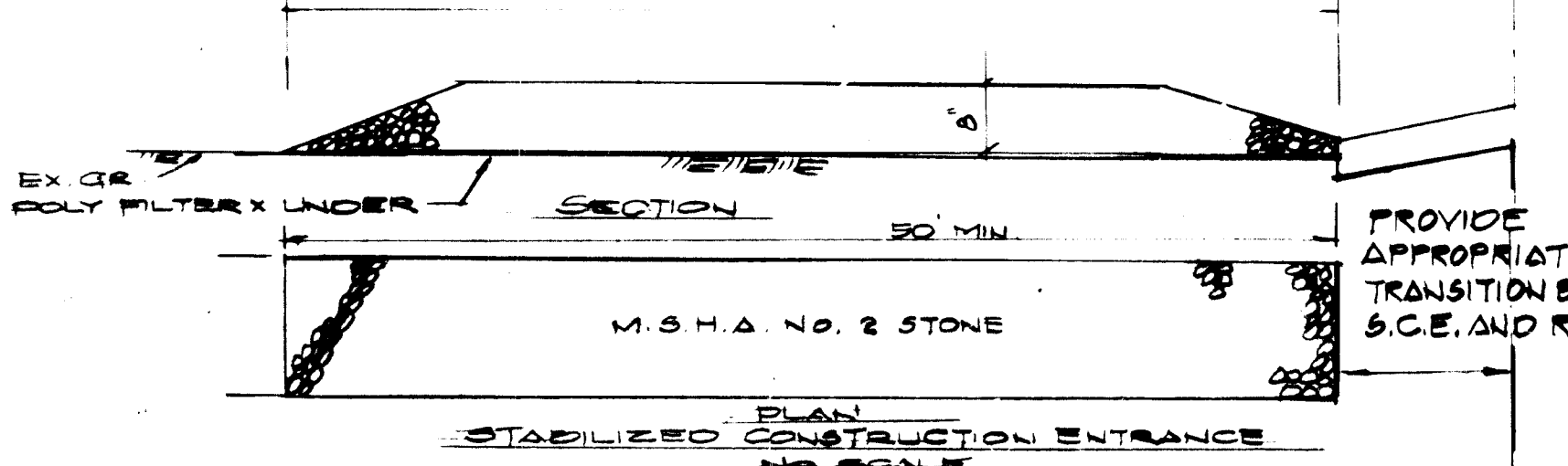
- OBTAIN GRADING PERMIT 6 MONTHS
- INSTALL SEDIMENT CONTROL MEASURES
- SWIM BASIN TO BE USED AS SEDIMENT TRAP
- MAKE SEDIMENT TRAP IN 1/2" BLAST FT. HIGHER THAN SWIM BASIN DURING GRADING OPERATION.
- CONSTRUCT BLDG. ADDITION
- INSTALL PAVING
- FINE GRADE & STABILIZE SITE AFTER INSPECTION, REMOVE SEDIMENT CONTR. MEASURES

12. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED EASEMENTS, RIGHTS AND OR RIGHTS OF WAYS PURSUANT TO THE DISCHARGE FROM THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ON TO OR ACROSS, AND GRADING OR OTHER WORK TO BE PERFORMED ON ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN.

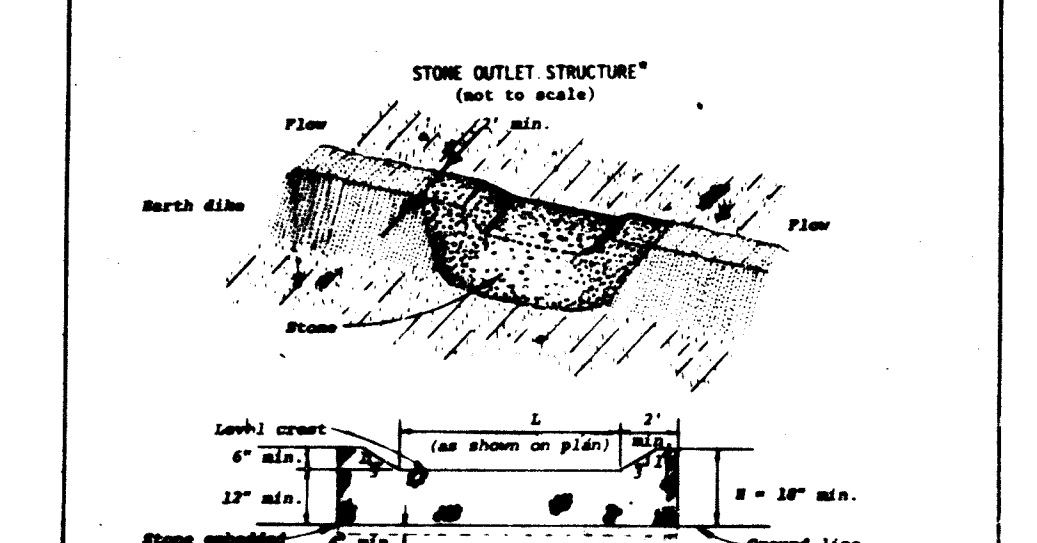
13. ALL AREAS SHALL BE PERMANENTLY STABILIZED WHEN SITE DEVELOPMENT WORK GRADING AND OR OTHER RELATED CONSTRUCTION RELATED ACTIVITIES, CEASE TO BE CONTINUOUS OR ON GOING FOR PERIODS EXCEEDING 45 DAYS. THESE DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS. THE IN PLACE SEDIMENT CONTROL MEASURES WILL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.

PROPOSED LANDSCAPE SCHEDULE

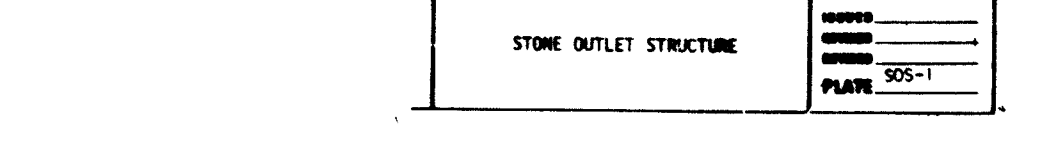
INDICATED PROPOSED WHITE PINE (PINUS STROBUS) SPACE AT 15 %
X STAGGERED, CALIBER: 2 1/2", HEIGHT @ PLANTING: 6 FEET MIN



CONSTRUCTION NOTES:
 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OF STABLE
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES SPACED EVERY 24" AT TOP AND MID SECTION
 3. LAKE STEP BY STEP PROCEDURE ON BACK OF THIS SHEET.



CONSTRUCTION SPECIFICATIONS:
 1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet ASTM Size No. 2 or ASTM designation #5 1/2 or 2 1/2.
 2. The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
 3. The stone outlet structure shall be embedded into the soil a minimum of four inches.
 4. The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
 5. The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation along the stone, washout, construction traffic damage, etc.



TYP. ON-SITE PAVING SECT.
 NO SCALE
 ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE ACCORDING TO HO. CO. DESIGN MANUAL VOL. IV - STD. SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. SEE STD DETAIL R-E.01 P. 2

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 Director: [Signature] 11-9-84
 Chief, Bureau of Engineering: [Signature] 11-8-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: [Signature] 11/13/84

