

**DEVELOPER'S CERTIFICATION**

I HEREBY CERTIFY THAT I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN AND THAT ALL CLEARING AND 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.

*Robert Glen Stephens*  
 ROBERT GLEN STEPHENS  
 DATE: 11-28-83

**ENGINEER'S CERTIFICATION**

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

*John L. Schneider*  
 JOHN L. SCHNEIDER  
 DATE: 1/27/84

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE  
 DATE: 1/28/83

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

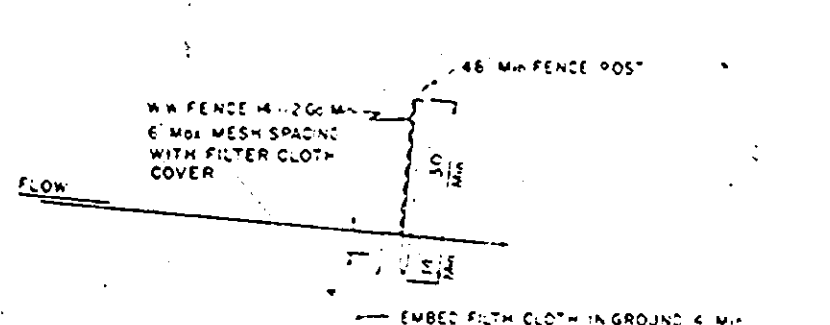
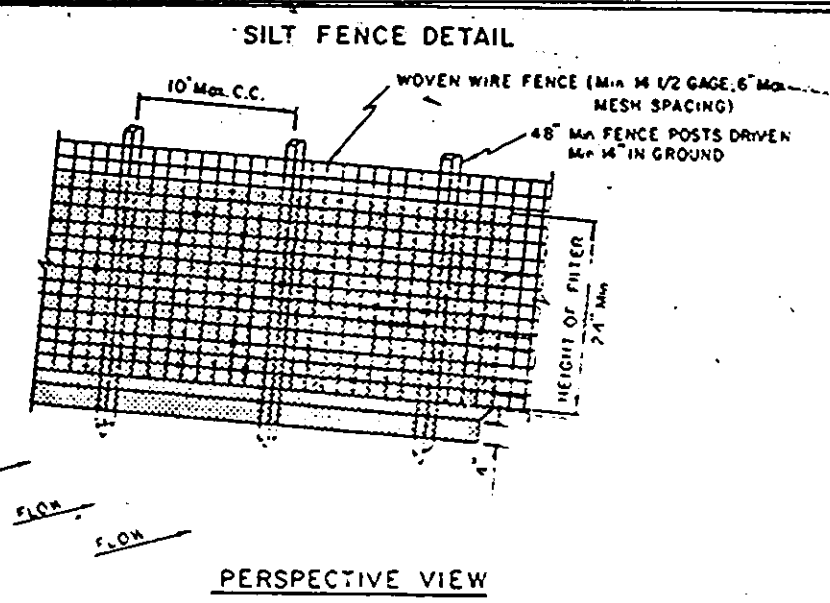
APPROVED:  
*Robert W. Ziehm*  
 HOWARD SOIL CONSERVATION DISTRICT  
 DATE: 8-2-84

**SOIL CONSERVATION NOTES**

- OBTAIN GRADING PERMIT
- THE HO. COUNTY BUREAU OF LICENSE INSPECTIONS AND PERMITS SHALL BE GIVEN 24 HRS. NOTICE PRIOR TO ANY GRADING OPERATION
- ALL SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS UNLESS OTHERWISE NOTED SHALL BE INSTALLED IN ACCORDANCE WITH NOTE #3.
- ALL SLOPES SHALL BE MAX 3:1
- FOLLOWING THE STABILIZATION OF ALL AREAS TO BE JO. REPAIRED SEDIMENT CONTROL MEASURES MAY BE REMOVED AND GRADING 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 THE PURPOSE OF STABILIZATION IN ACCORDANCE WITH NOTE #8.
- SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED
- PERMANENT STABILIZATION  
 APPLY 2000 LBS PER AC OF PULVERIZED LIMESTONE  
 700 LBS PER AC OF 0-20-0 SUPER PHOSPHATE  
 1000 LBS PER AC OF 10-10-10 FERTILIZER  
 SEED 25 LBS PER AC OF KENTUCKY 3 TALL FESCUE & 25 LBS PER AC OF ANNUAL RYE GRASS  
 NOTE: SEED BETWEEN MAR 1 - MAY 1 OR AUG 1 - OCT 1 ONLY.  
 MULCH 2 TONS PER AC OF UNWEATHERED WHEAT STRAW, LIQUID ASPHALT WITH 30 GAL PER AC OF LIQUID ASPHALT.
- EXPOSED AREAS LEFT FOR 45 DAYS SHALL BE STABILIZED WITH VEGETATION OR MULCH. SEE NOTE #1.
- SITE ANALYSIS:  
 A. TOTAL AREA OF SITE 0.783 AC.  
 AREA TO BE DISTURBED 0.783 AC.  
 LOCATION AS SHOWN  
 B. EXIST. SITE CONDITIONS MEADOW/GRASS  
 AREA PRESENTLY DISTURBED NONE  
 AREA TO BE VEGETATED  
 TOTAL CUT  
 TOTAL FILL REQ.  
 C. STORM WATER MANAGEMENT N.A. - (AREA REGION SWM POND)

**CONSTRUCTION SEQUENCE**

- OBTAIN GRADING PERMIT
- INSTALL SEDIMENT CONTROL MEASURES - PROTECT INLET DURING SITE GRADING
- ROUGH GRADE SITE \* NOTE: ESTIMATED TIME OF CONST. A THRU G, 6 MONTHS
- CONSTRUCT BUILDING
- PAVE SITE
- FINE GRADE & STABILIZE REMAINING SITE
- REMOVE SEDIMENT CONTROL MEASURES
- DO NOT CONSTRUCT IN AREA OF EX. EXCAVATED TRAPS WHEN REMOVING EX. TRAP INSTALL SILT FENCE
- 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 MEASURES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS AND GRADING OR OTHER WORK TO BE PERFORMED ON ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN.
- ALL AREAS SHALL BE PERMANENTLY STABILIZED WHEN SITE DEVELOPMENT WORK IS COMPLETE. ALL 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 SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.



**CONSTRUCTION NOTES**

- WHEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OF STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- SEE STEP BY STEP PROCEDURE ON BACK OF THIS SHEET.

**SECTION**

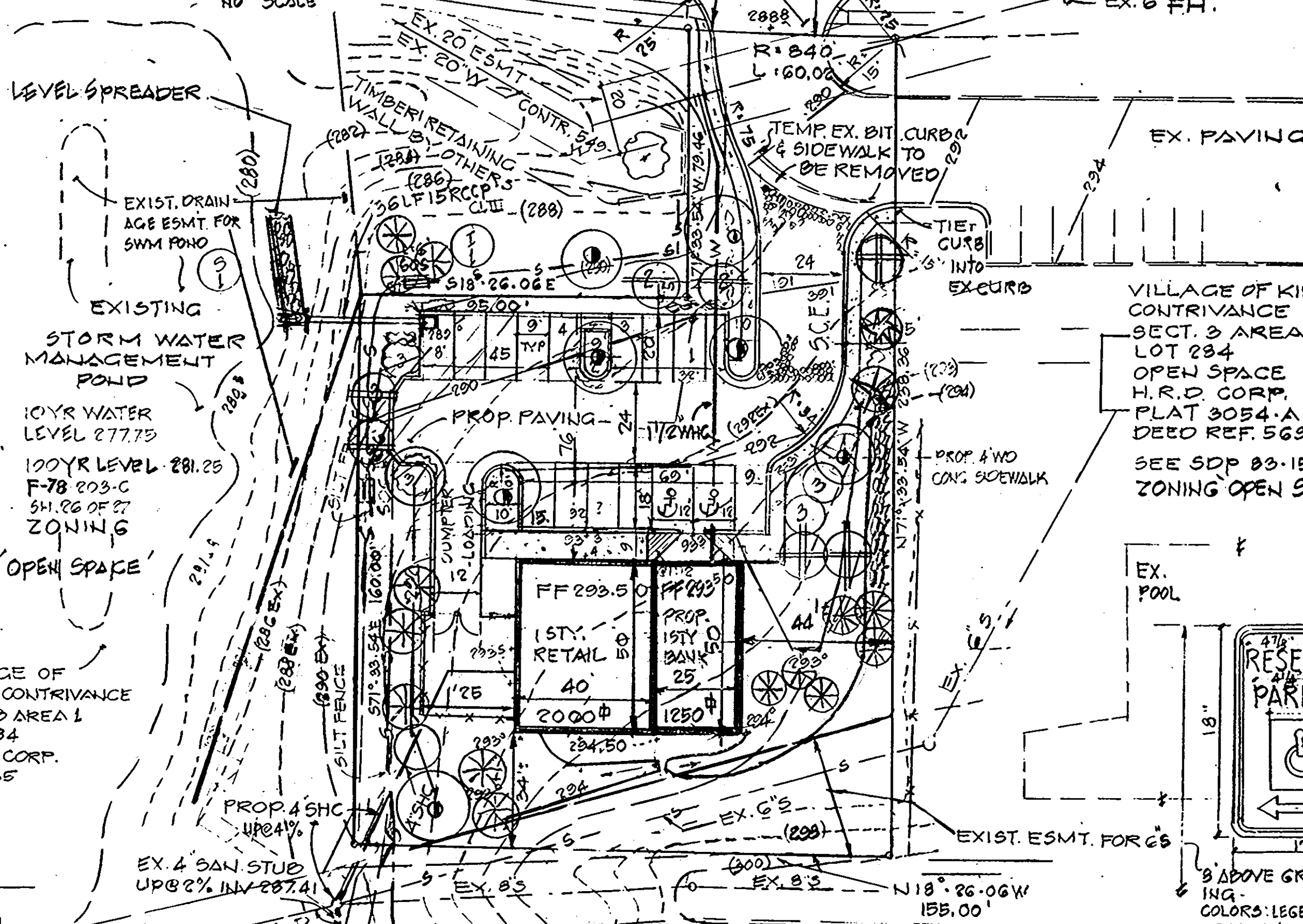
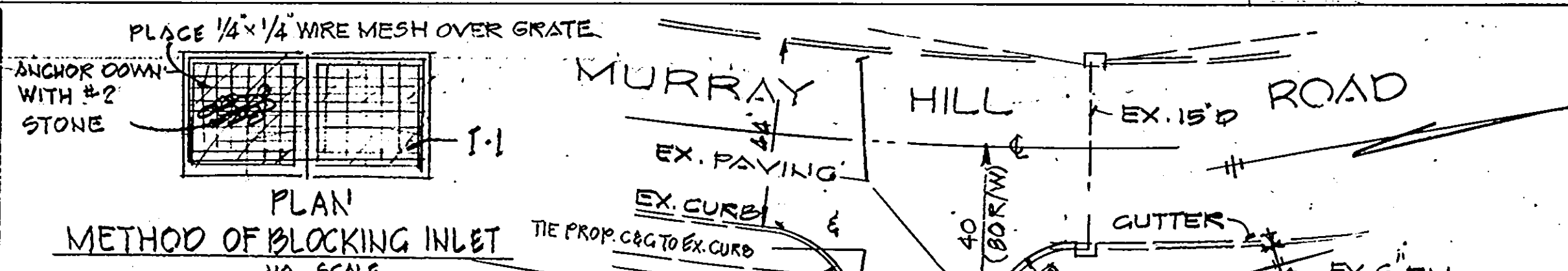
POSTS STEEL, EITHER 2" O.D. TYPE OR 2" HARDWOOD

FENCE WOVEN WIRE 1/2" MESH 6' HIGH

FILTER CLOTH 1/2" FILTER FABRIC 100% POLYESTER OR EQUIV.

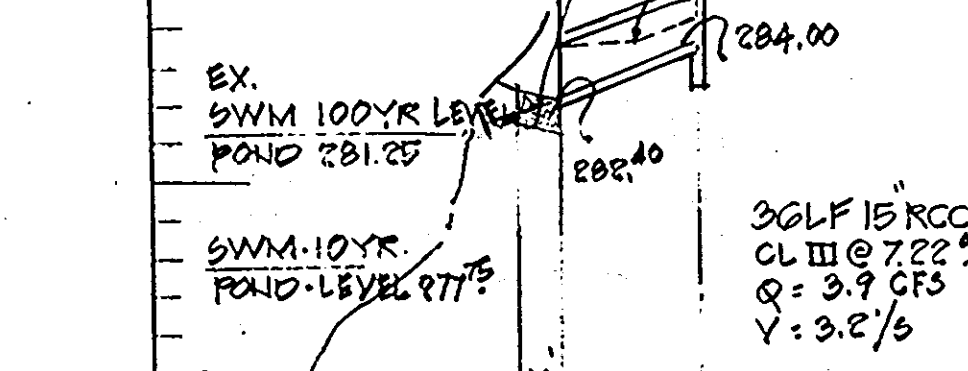
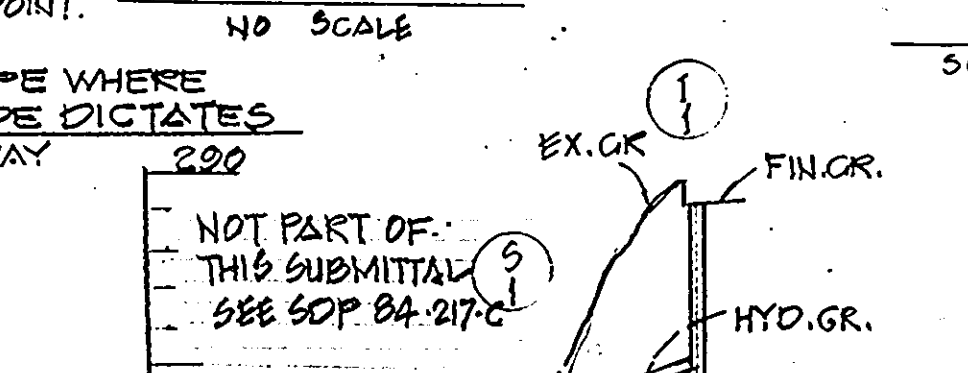
STANDARD SYMBOL: [Symbol] DRAINAGE AREA LESS THAN 1/2 ACRE

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MD. SILT FENCE STANDARD DRAWING SF-11



**STRUCTURE SCHEDULE**

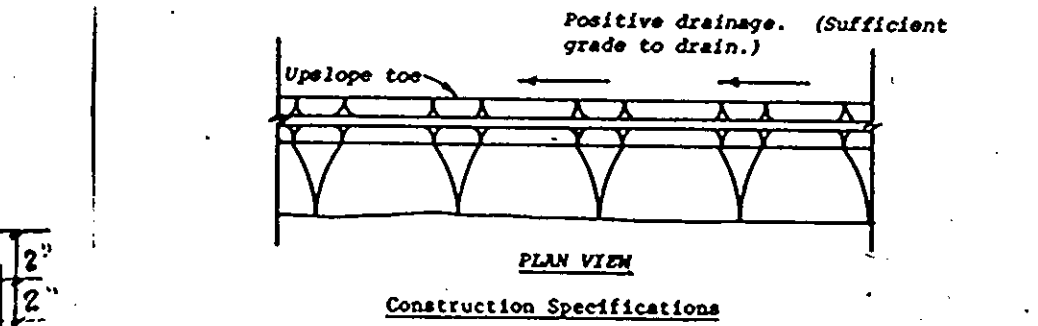
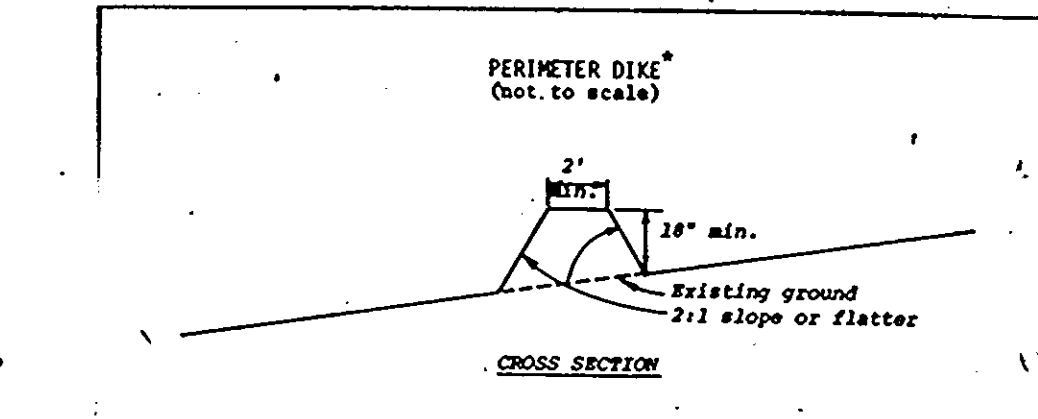
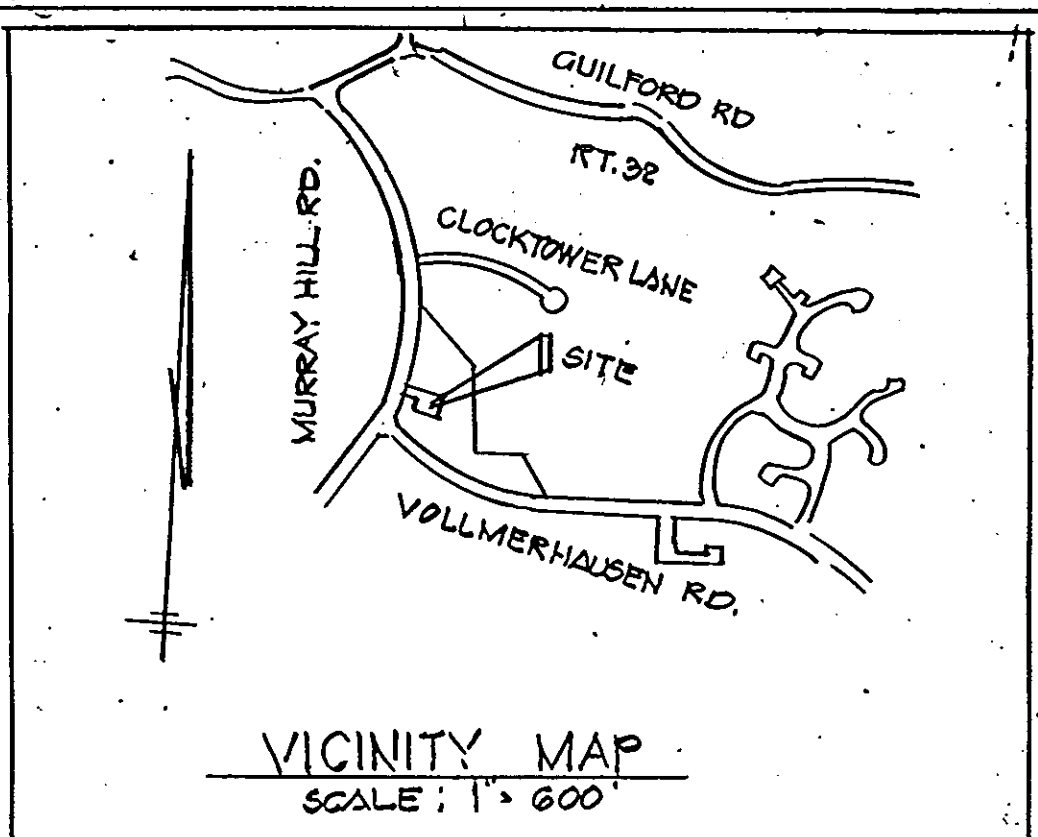
NO.	TYPE	HO. CO. DETAIL
1-1	D.L.B.'S' GRATE INLET	S.D. 4-22
5-1	TYPE C GENDWALL	S.D. 5-21



**PLANTING SCHEDULE**

SYMBOL	NAME	NO.	SPACING	CALIBER
(1)	SCOTCH PINE (PINUS SYLVESTRIS)	7	5'-9"	2" - 2 1/2" - 6" HT.
(2)	BRADFORD PEAR (PYRUS QUILLERIANA)	4	10'	2 1/2" - 8" HT.
(3)	YOSHINO CHERRY (PRUNUS YODOSHINENSIS)	2	15'	2" - 2 1/2" - 8" HT.
(4)	JAPANESE YEW (TAXUS CUSPIDATA)	2	3'	2" - 2 1/2" - 8" HT.
(5)	CRABAPPLE (MALUS)	6	15'	2" - 2 1/2" - 8" HT.
(6)	TILIA COROSTA - LITTLE LEAF LINDEN	10	10'	2 1/2" - 3" CAL - 12" - 14" HT.
(7)	RED PINE - PINUS RESINOSA	5	10'	2" - 2 1/2" - 6" HT.

NOTE: ALL MATERIALS & CONSTRUCTION METHODS SHALL BE ACCORDING TO THE LATEST HOWARD COUNTY DETAILS AND SPECIFICATIONS.

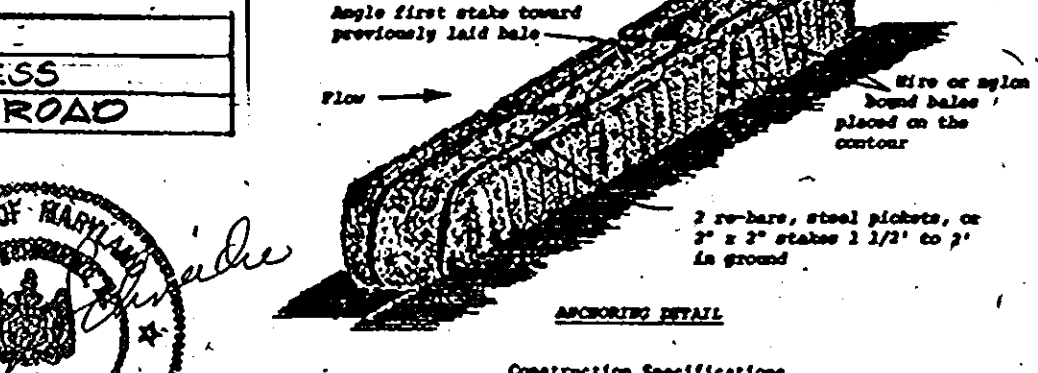


- Construction Specifications**
- All dikes shall be machine compacted.
  - All perimeter dikes shall have positive drainage to an outlet. A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure. B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
  - Stabilization, when required, shall be done in accordance with Standard and Specifications for Graded Waterway. The minimum area to be stabilized shall be the channel flow area.
  - Periodic inspection and required maintenance shall be provided.
- \* Drainage area less than 5 acres

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md. PERIMETER DIKE Standard Drawing PD-1

**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
F-1	7035 MURRAY HILL ROAD



- Construction Specifications**
- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a minimum of 4".
  - Bales shall be securely anchored in place by stakes or rebar driven through the bales. The first stake in each bale shall be angled toward previously laid bales to force bales together.
  - Stappling shall be from end to end and shall be made promptly as needed.
  - Bales shall be removed when they have entered their usefulness as an act to block or reduce storm flow or drainage.
- \* Drainage area less than 1/2 acre.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md. STRAW BALE DIKE Standard Drawing SD-1

**GENERAL NOTES**

- SITE LOCATION: VILLAGE OF KINGS CONTRIVANCE SECT. 3 AREA 1, PARCEL F COLUMBIA, MD.
- TOTAL AREA OF SITE 0.783 AC. OR 31,929.48 SF.
- TOTAL AREA THIS SUBMISSION: 0.783 AC.
- DEVELOPER/CONTRACT BUYER: MURRAY HILL ASSOC. C/O 5471 WINDBORNE CT. COLUMBIA, MD. 21044
- DEED REF. 569-335
- TAX MAP 42 ZONING MAP 42
- ZONING CLASSIFICATION: NEW TOWN
- PUBLIC WATER & SEWER: WHITE HANDICAPPED SIGN
- SITE USE: 2000 SF RETAIL
- SITE DENSITY CALCULATIONS

	SQ. FT.	PERCENT USE
A. BUILDING COVERAGE	3250	10%
B. PAVING	10,315	32
C. PARKING LOT PAVING	6,515	20%
D. PARKING LOT LANDSCAPE	744	12%
E. SITE LANDSCAPING	4,000	13%
F. PARKING ANALYSIS	1,365 (space)	50

- PARKING SPACES REQUIRED:  
 (1) RETAIL: 2000 SF RETAIL FOR BANK - 13 SPACES  
 (2) OFFICE USE: 2 SPACES REQ. : 2 SPACES
- 13 PARKING SPACES ARE REQUIRED TOTAL 13 SPACES SHOWN.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES.
- ALL ON-SITE LIGHTING TO BE DIRECTED DOWN AND TOWARDS SITE.
- EXIST. GRADE FINISHED GRADE
- TOPO BASED ON SURVEY FEB. 15, 1984
- F.D.P. 169-A-III PART 1 COMMERCIAL
59. FT. OFFICE USE IN THE PROP BANK ADDITION: 650 SF.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS.

*Shirley F. Nemy*  
 DIRECTOR  
 DATE: 8-6-84

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

*Joseph Boyer*  
 COUNTY HEALTH OFFICER  
 DATE: 8-8-84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Archie Small*  
 PLANNING DIRECTOR  
 DATE: 8-9-84

*Louis J. Dimeo*  
 ACTING CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE: 8-9-84

**SITE DEVELOPMENT PLAN**  
 VILLAGE OF KINGS CONTRIVANCE  
 SECTION 3 AREA 1  
 ADDITION TO PARCEL F SDP 84-217-C

6TH DISTRICT SCALE: 1" = 30'  
 HO. CO. MD. DEC.

ENGINEERS:  
 LAND DEVELOPMENT CONSULTANTS  
 37 MT. GREEN CIRCLE  
 BALTO. MD. 21207  
 265-6543

DEVELOPER:  
 MURRAY HILL ASSOC.  
 5471 WINDBORNE CT.  
 COLUMBIA MD 21044  
 992-9535

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 7-25-84  
*MS/ED*