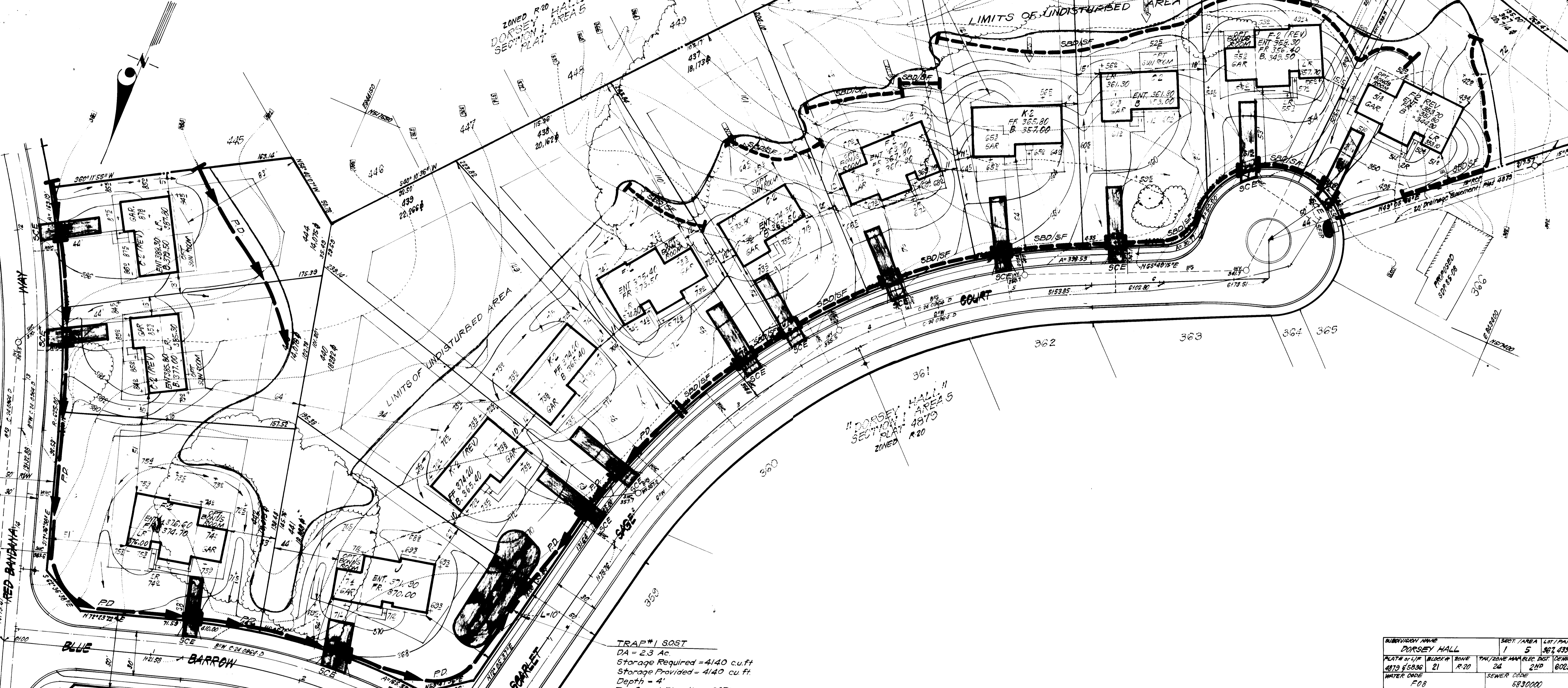


LEGEND:

- 1 Contour Interval 2 ft
- 2 Existing Contour
- 3 Proposed Contour
- 4 Spot Elevation
- 5 Direction of Drainage
- 6 Existing Trees to be Retained
- 7 Walk-Out Basement
- 8 Perimeter Dike P.D.
- 9 Straw Bale Dike/Silt Fence SBD/SF
- 10 Interceptor Swale I.S.
- 11 Stone Construction Entrance S.C.E.
- 12 Stone Filter Inlet Protection S.F.I.P.

VICINITY MAP
SCALE: 1"=1000'



TRAP #1 SOST
DA = 2.3 Ac
Storage Required = 4140 cu.ft
Storage Provided = 4140 cu.ft
Depth = 4'
Top Crest Elevation = 367'
Bottom Elevation = 363'
Bottom Dimensions = 7' x 6'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
James B. ... 9-17-84
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
James ... 9-19-84
DATE

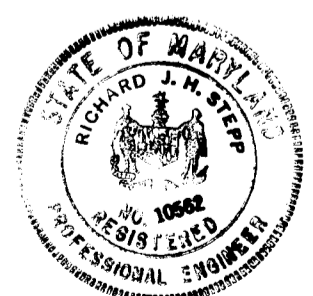
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... F. ... 9-11-84
DATE

DIRECTOR
... 9-11-84
DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 8-27-84
...

Reviewed for... HOWARD S.C.D.
Name
and meets Technical Requirements
... 9-1-84
Signature Date
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.
Stephen L. ... 9/7/84
Approved DATE



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 Conserva-
tion District.
DATE 11/8/84
Richard J. Stepp
SIGNATURE RICHARD J. STEPP

DEVELOPER'S CERTIFICATE
"We certify that all development and construction will be done
in accordance with 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 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 deemed necessary."
B. James Greenfield
Signature of Developer/Builder
DATE 7-18-84
DATA

SUBDIVISION NAME DORSEY HALL	SECT./AREA 1 5	LOT/PARCEL 367, 433-444
PLAT/LOT/BLK/BLK#/ZONE 4879 6836 21 R-20	PAY/ZONE MAP/ELEC. DIST. 24 2ND	DESIGN TR. 6023.01
WATER CODE F08	SEWER CODE 583000	

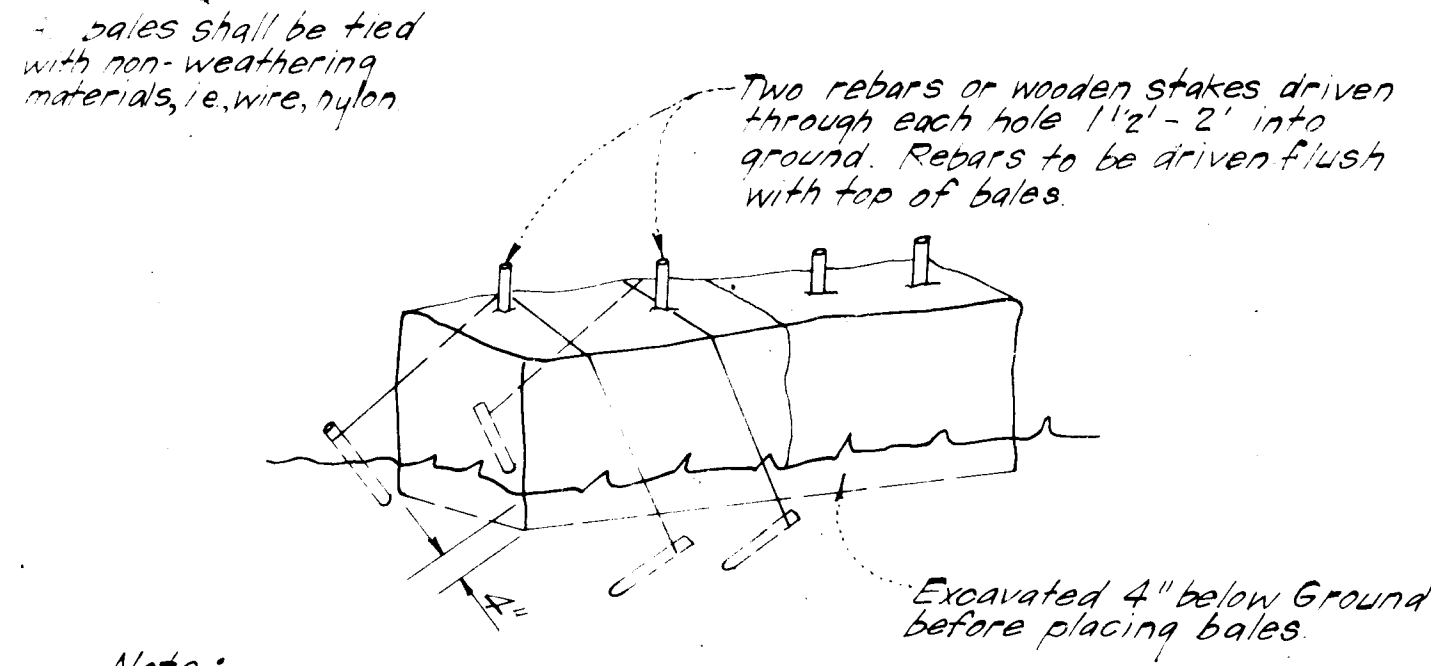
CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED J.P.A. J.M.E.	SEDIMENT & EROSION CONTROL PLAN LOTS 367, 433 THRU 444 DORSEY HALL SECTION 1 AREA 5 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND PAR: COLUMBIA BUILDERS INC. 3 Lakefront North Suite 200 Columbia Md. 21046	SCALE 1"=30'
DRAWN V.H.L. R.W.		DRAWING 2 of 3
CHECKED J.M.E.		JOB NO. 83-100
DATE 7-12-84		FILE NO. 83-100-SE

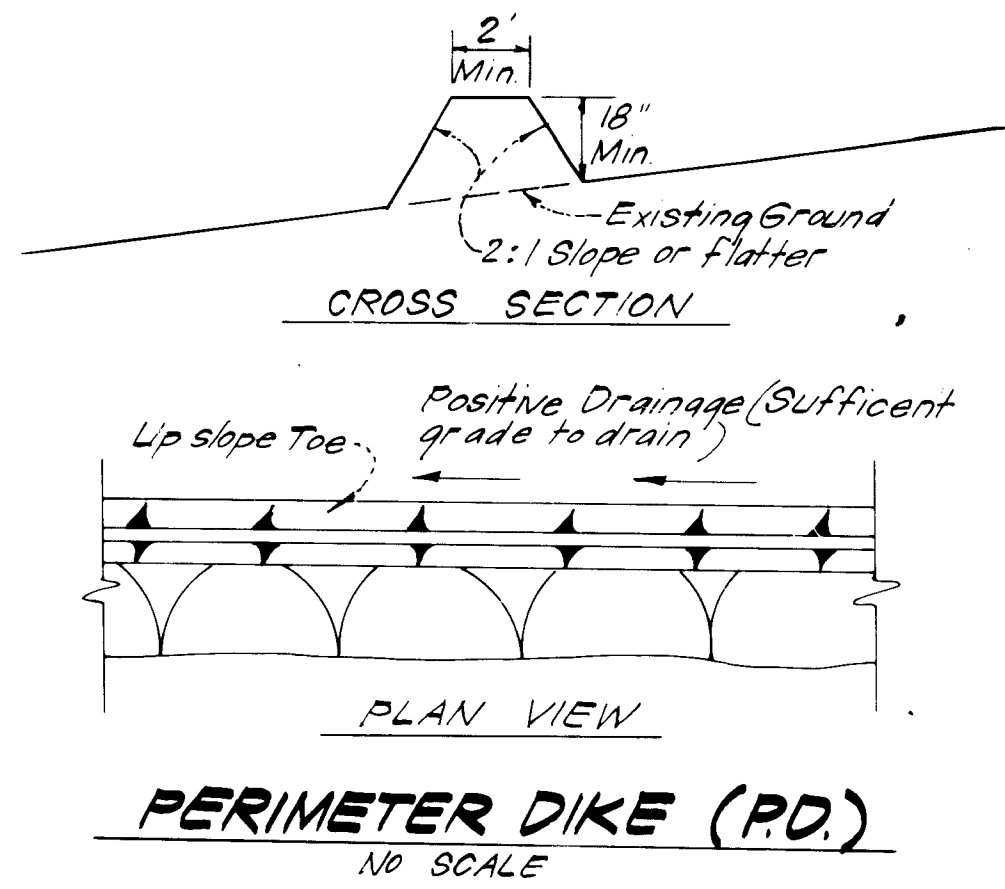
GENERAL NOTES

- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 sf.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
- Stabilization of Disturbed ground to be done as soon after construction as possible.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within:
 - Seven (7) calendar days for all perimeter sediment control structures, dikes, swales, ditches, perimeter slopes and all slopes greater than 3:1.
 - Fourteen (14) days for all other disturbed or graded areas on the project site.
 - See pages 5101-5108 of 1983 Maryland Standards and Specifications for Erosion and Sediment Control for permanent seeding.
 - See pages 5001-5005 of 1983 Maryland Standards and Specifications for Erosion and Sediment Control for temporary seeding.
- All structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On Site Inspection and Maintenance of all Sediment Control Measures including clean out of Sediment Traps and Dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
- All pipes to be blocked at the end of each day. See detail this sheet N/A
- Total Amount of Straw Bales or Silt Fence shown = 1,080 LF.
- SITE ANALYSIS:

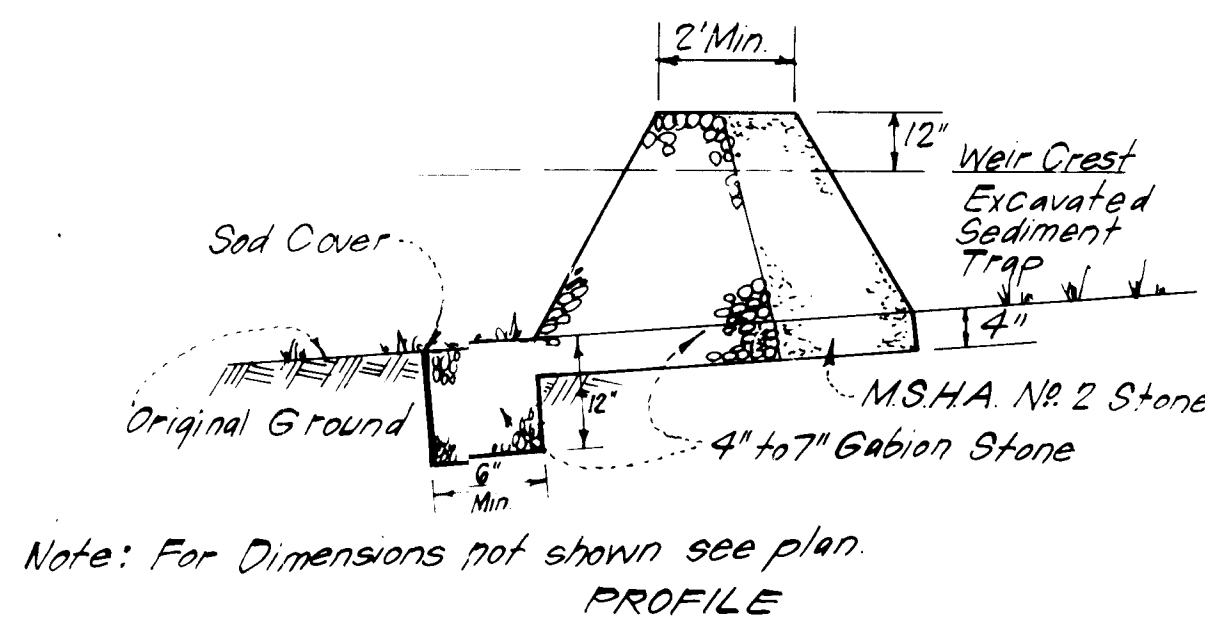
A. Total Area:	5.802	Acres
B. Area to be Roofed:	0.619	Acres
C. Area to be Paved:	0.286	Acres
D. Area to be Seeded:	2.682	Acres
E. Area Undisturbed:	2.215	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices.
 - Excavate for Foundations and Rough Grade.
 - Construct Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
- If houses are to be constructed on an "As-Sold" basis at random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.



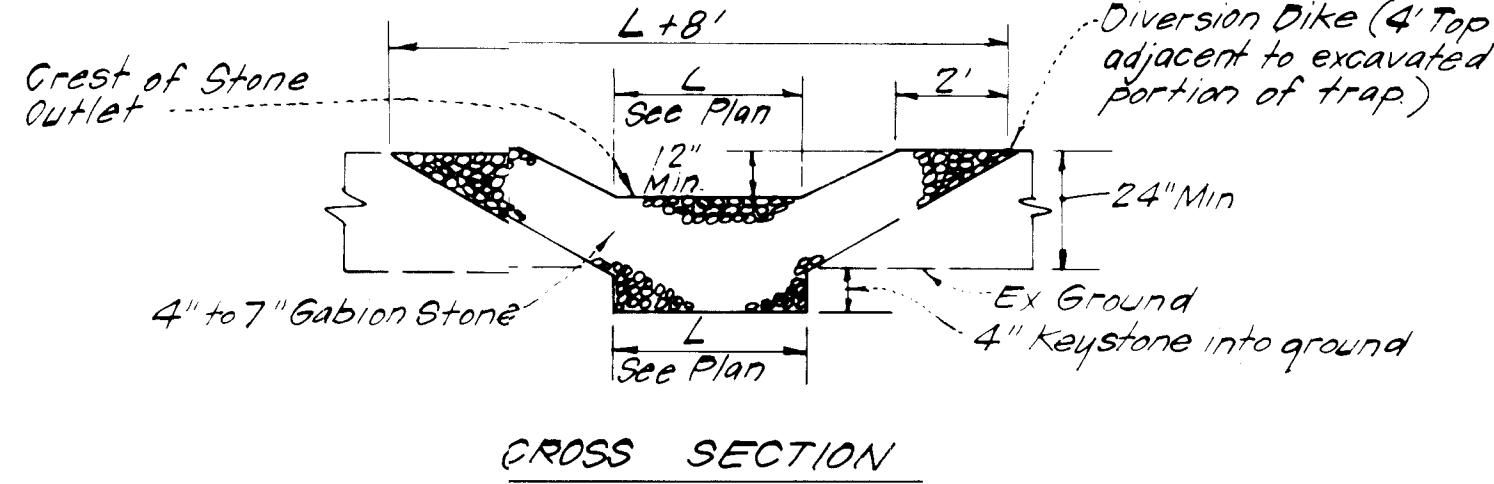
STRAW BALE DIKE DETAIL (S.B.D.)
NO SCALE



PERIMETER DIKE (P.D.)
NO SCALE

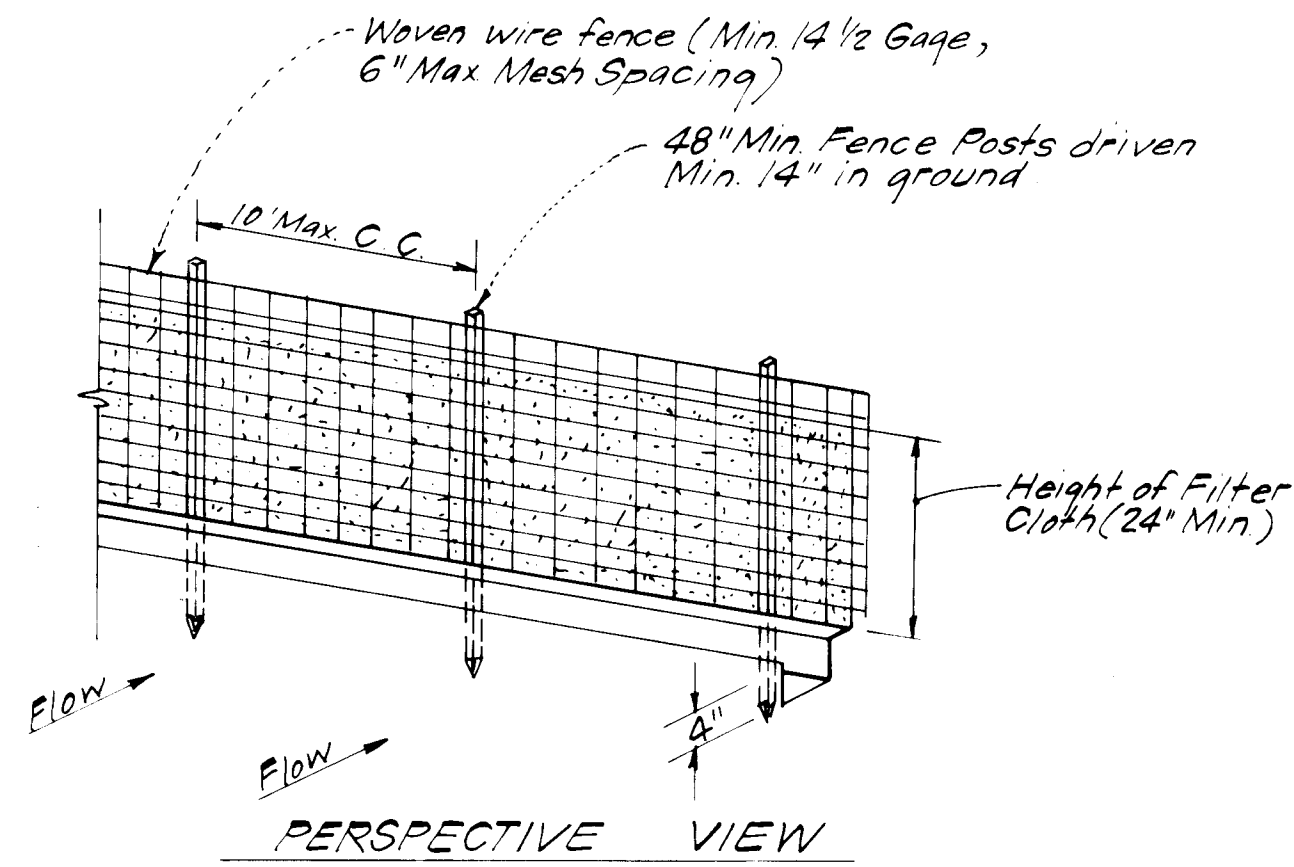


Note: For Dimensions not shown see plan

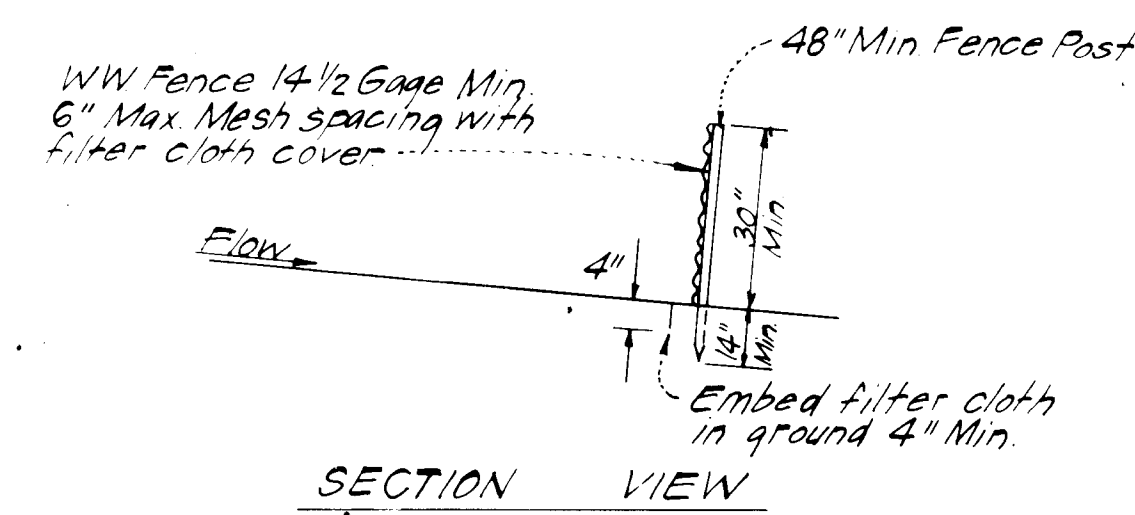


- Notes:
- Sediment Trap to be cleaned out when sediment reaches a level of 1 foot below crest of stone outlet.
 - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 - Stone Outlet to be constructed through diversion dike adjacent to excavated trap.

DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP (S.O.S.T.)
NO SCALE



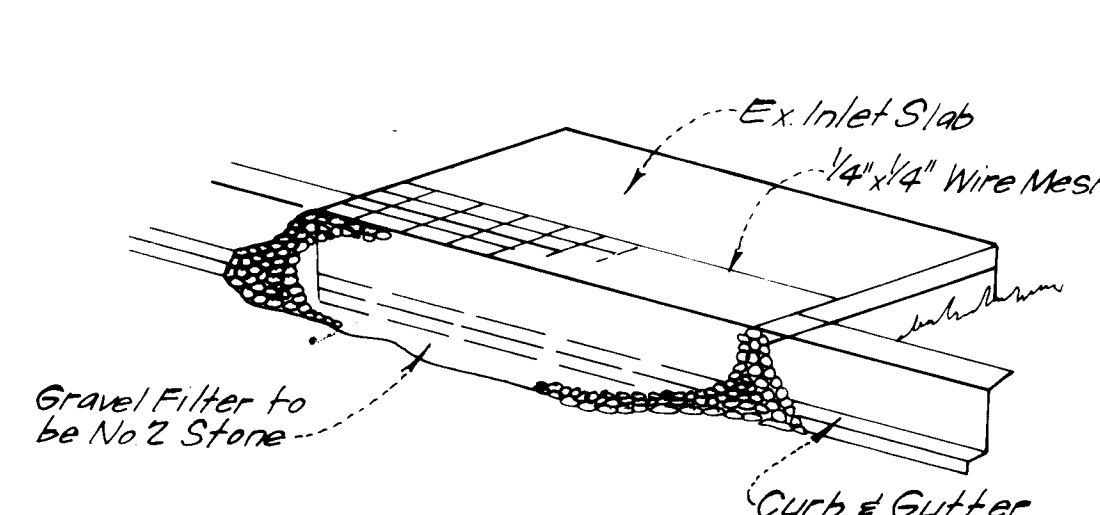
PERSPECTIVE VIEW



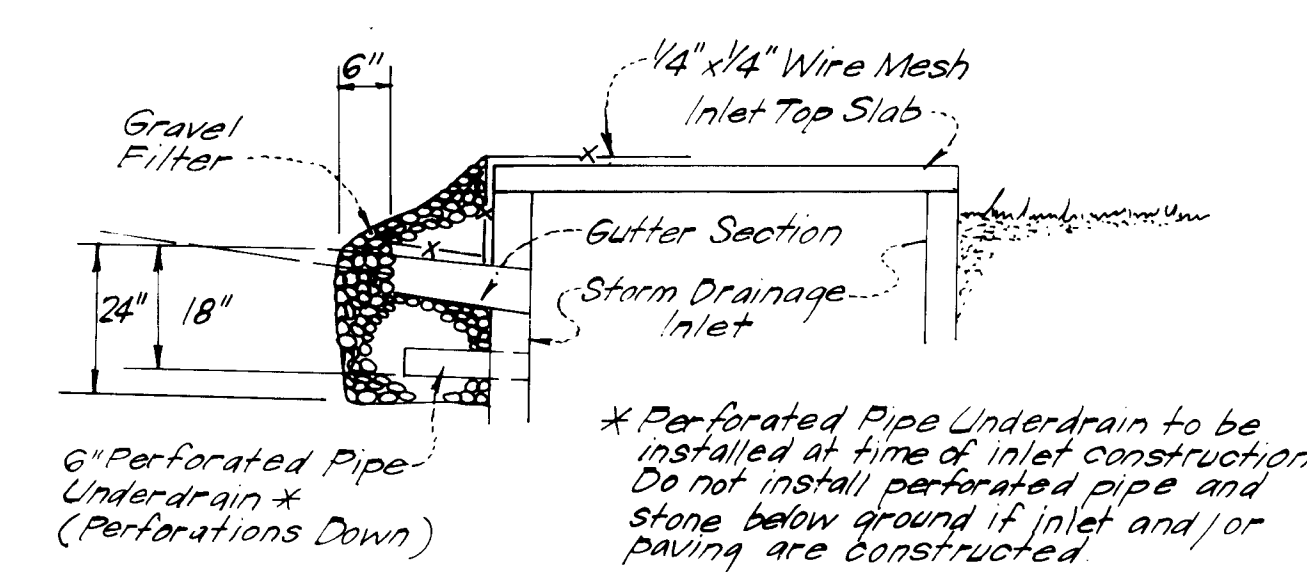
SECTION VIEW

- CONSTRUCTION NOTES:
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with wire ties spaced every 24" at top and mid-section.
- POSTS: Steel, either T or U type or 2" Hardwood.
 FENCE: Woven wire, 1 1/2 Ga., Max 6" Mesh Opening.
 FILTER CLOTH: Filter X, Mirafi 100X, Laurel Erosion Control Cloth, Bidim, PolyFilter X or equal.

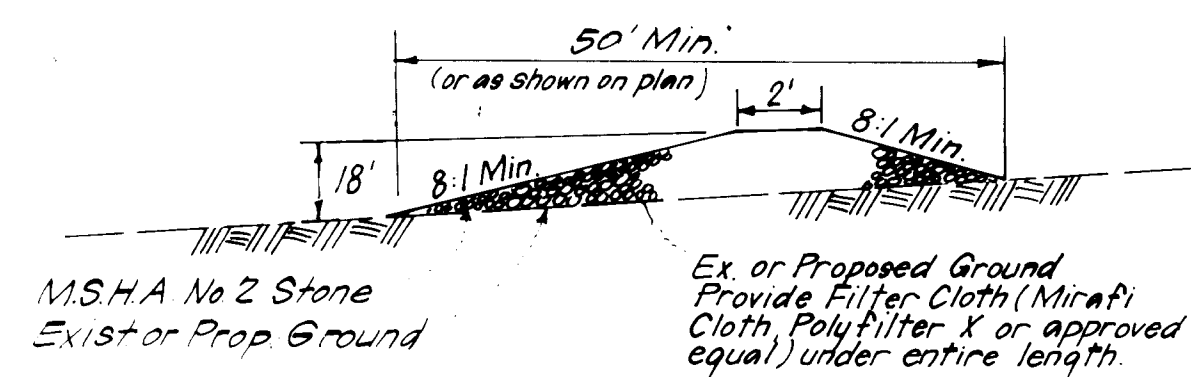
SILT FENCE DETAIL (S.F.)
NO SCALE



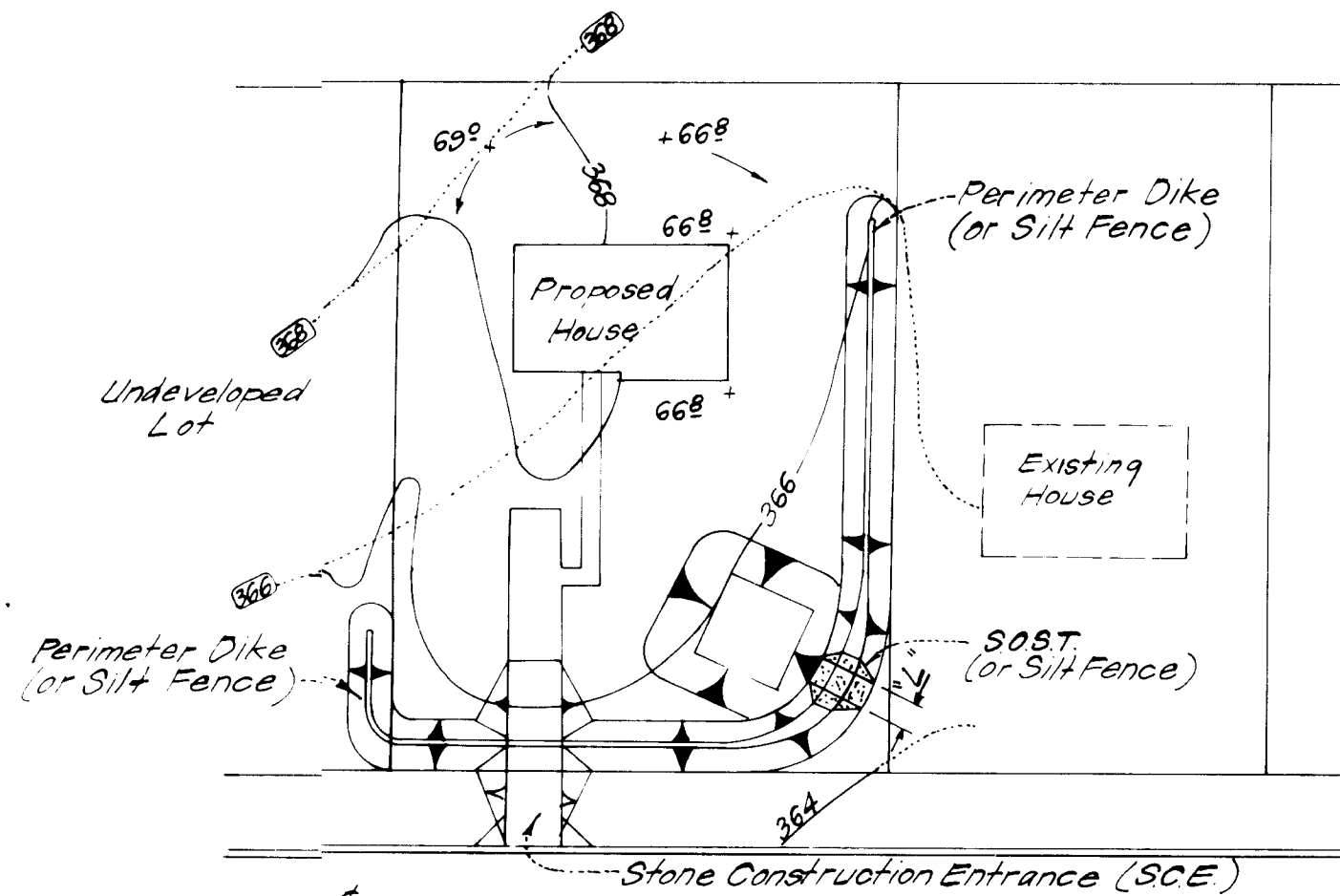
ISOMETRIC VIEW



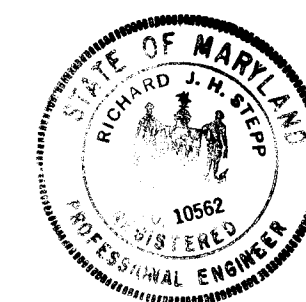
SECTION VIEW
STONE FILTER INLET PROTECTION (S.F.I.P.)
NO SCALE



SECTION VIEW
STONE CONSTRUCTION ENTRANCE (S.C.E.)
NO SCALE



SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE



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.

7-13-84 DATE
Richard J.H. Stepp
Signature of Designer/Builder

DEVELOPER'S/BUILDER'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 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 not deemed necessary."

B. James Greenfield
Signature of Developer/Builder
7-18-84 Date

S.O.S.T. *			
Lot Size	1/4 Ac.	1/2 Ac.	1 Ac.
L	2'	3'	6'
Depth	2'	2'	2'
Bot Length**	11'	26'	26'
Bot Width**	11'	11'	26'
Bot Area	121 sq	286 sq	676 sq

* See Std. ST-3, pg. 20-07 for detail not shown.
 ** Can be adjusted in field, but bottom area must be as given or greater.

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED J.P.A.	SEDIMENT & EROSION CONTROL PLAN LOTS 367, 433 THRU 444	SCALE As Shown
DRAWN V.H.L.	DORSEY HALL SECTION 1 AREA 5 2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 3 of 3
CHECKED J.P.A.	FOR: COLUMBIA BUILDERS, INC. 3 Lakefront North Suite 200 Columbia MD 21044	JOB NO. 83-100
DATE 7-17-84		FILE NO. 83-100SE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: *James Byrd* DATE: 9-17-84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: *John W. Heskman* DATE: 7-19-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: *F. Neuman* DATE: 9-11-84

CHIEF BUREAU OF ENGINEERING: *W. J. Stepp* DATE: 9-11-84

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 8-27-84
M. J. Fum

Reviewed for: HOWARD S.C.D.
 Name: Howard
 and meets Technical Requirements
 Signature: *John J. Fum* Date: 9-7-84
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: *Stephen L. Fum* DATE: 9/1/84