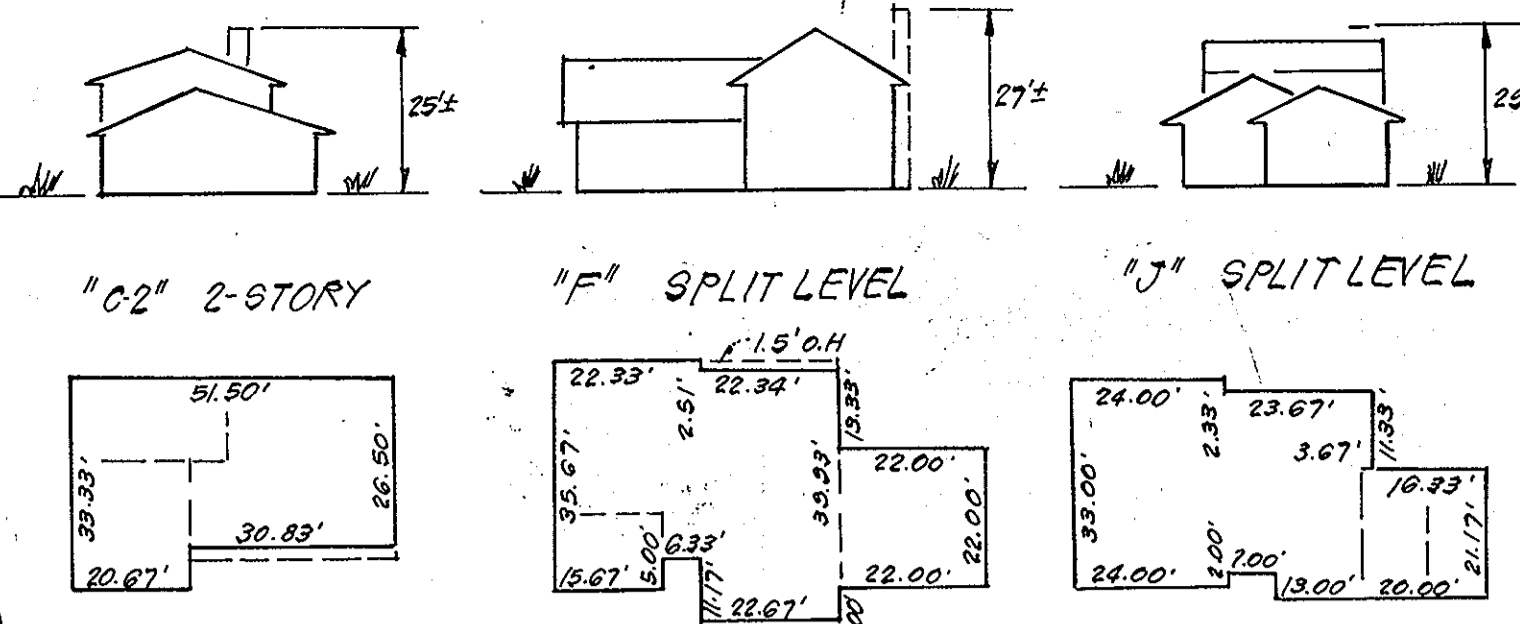


- GENERAL NOTES:**
- The Land included in this plan is zoned: R-20.
 - All coordinates are based on traverse control for Columbia established by Maps Inc., in 1968 by Purdum & Jeschke in 1968 which controls were tied to Maryland Bureau of Control Survey monuments to U.S. Coast & Geodetic Survey Monuments in the Columbia area.
 - The area covered in this submission is located on Tax Map #24.
 - The total area included on this plan is 6.332 Acres.
 - All roadways are public and existing.
 - Any damage to county owned rights of way shall be corrected at the developer's expense.

- LEGEND:**
- Contour Interval 2 Ft.
 - Existing Contour ---
 - Proposed Contour ---
 - Spot Elevation +
 - Direction of Drainage ---
 - Exist. Trees to be retained ○
 - Total Number of Lots is 14



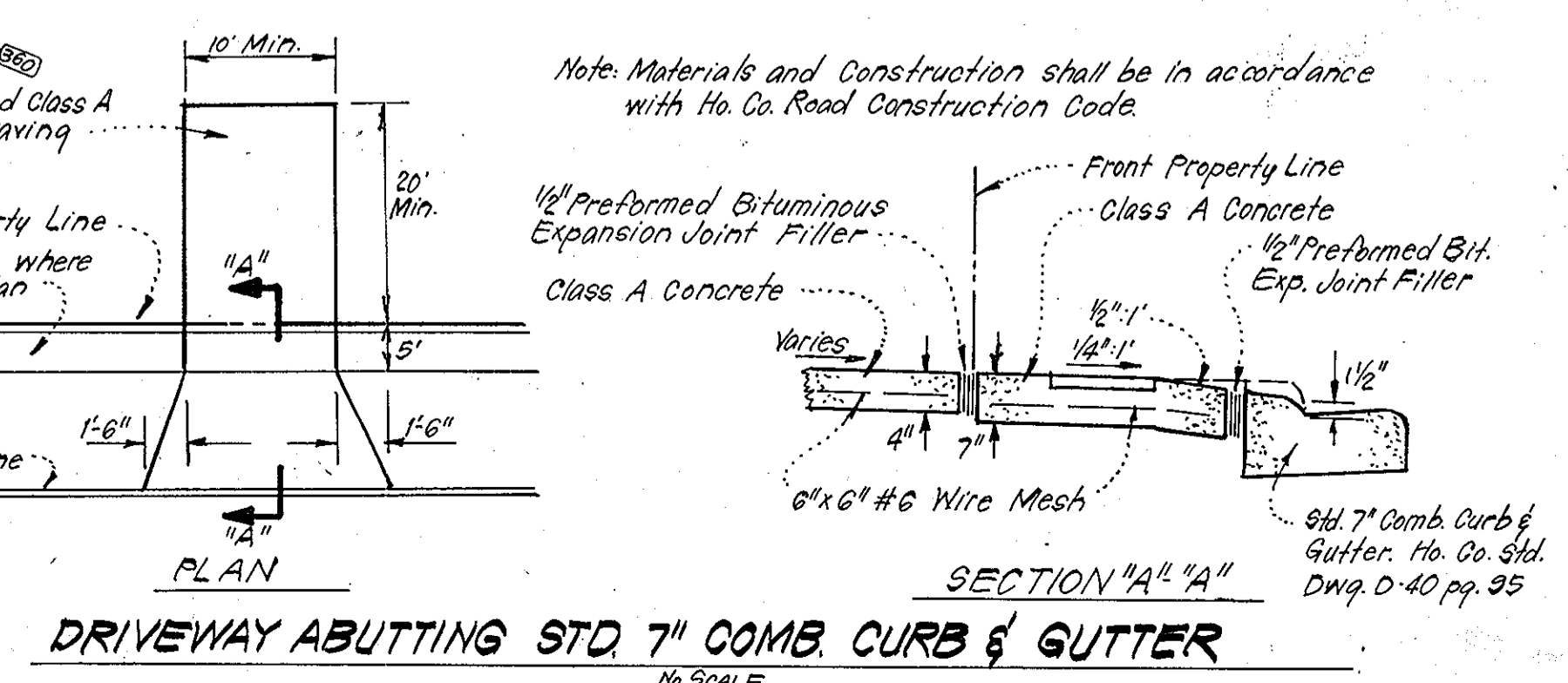
REVISIONS (MODEL CHANGE)
LOT 292 & 293 12-5-83
SHEETS 103 & 203

CARLIN & ASSOCIATES
PROFESSIONAL LAND SURVEYORS
4014 CROYDON LANE, BOWIE, MD.
301-262-7776

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 11-7-80

PLAT REF.: PLATS 4573 & 4574

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400				
DESIGNED	J.M.E.	SITE DEVELOPMENT PLAN LOTS 291 THRU 294 DORSEY HALL SECTION 1 AREA 4 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE	1"=30'
DRAWN	K.I.W.		DRAWING	1043
CHECKED	J.M.E.	JOB NO.	79-097	
DATE	12-2-80	FILE NO.	79-097-X	
FOR: COLUMBIA BUILDERS, INC. 808 American City Bldg. Columbia, Md 21044		DATE	12-2-80	



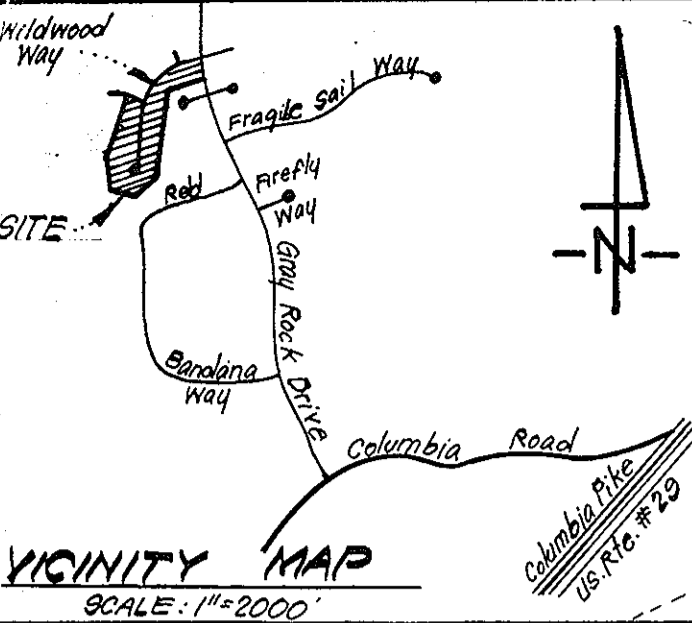
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 12-8-80

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 12-9-80

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 12-3-80

DATE 12-2-80

OPEN SPACE LOT 304
DORSEY HALL 1/4
PLAT 4574



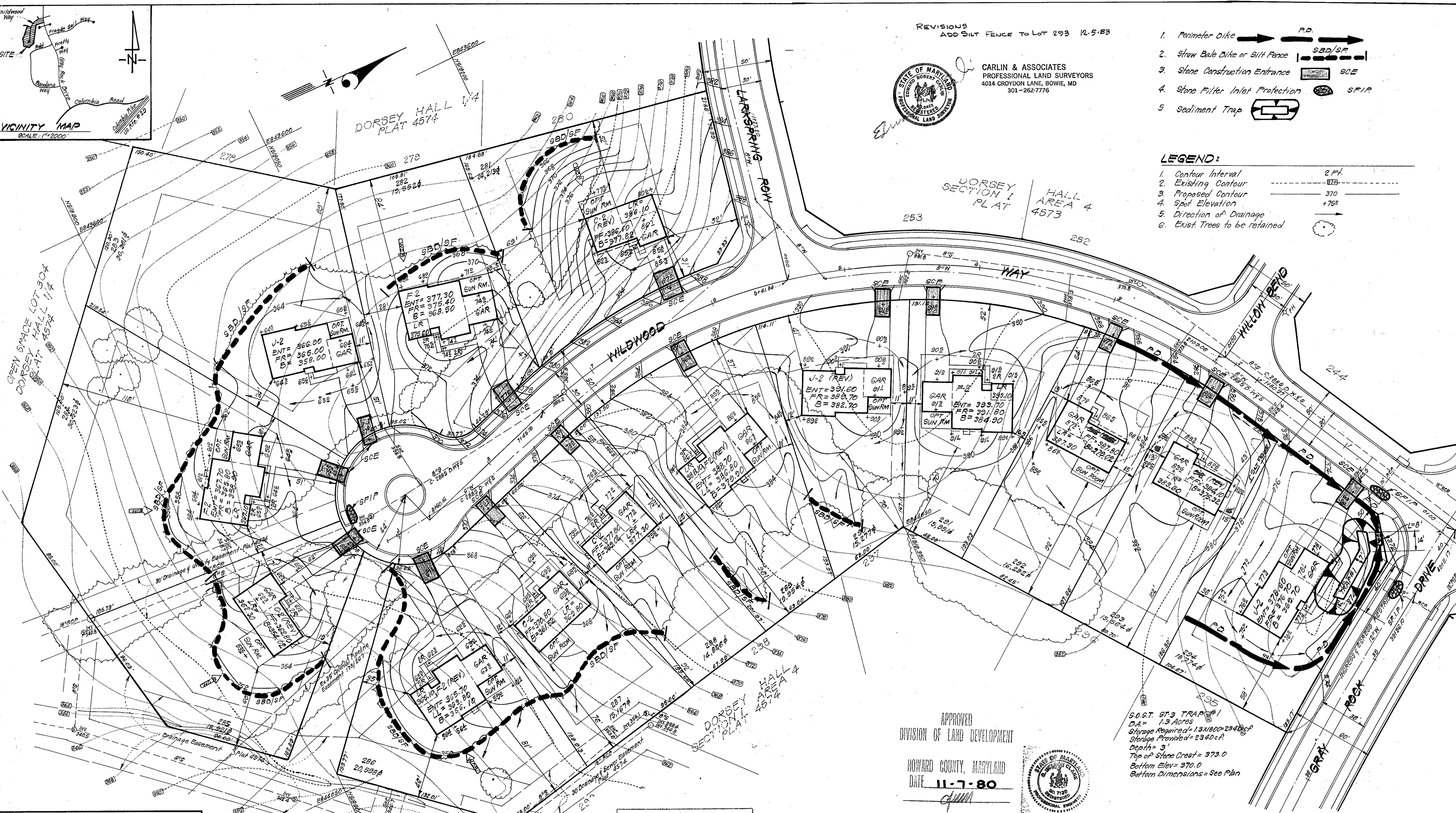
REVISIONS
ADD SILT FENCE TO LOT 293 12-5-83



CARLÍN & ASSOCIATES
PROFESSIONAL LAND SURVEYORS
4014 CROYDON LANE, BOWIE, MD
301-262-7776

1. Perimeter Dike
2. Straw Bale Dike or Silt Fence
3. Stone Construction Entrance
4. Stone Filter Inlet Protection
5. Sediment Trap

- LEGEND:**
1. Contour Interval 2 FT.
 2. Existing Contour
 3. Proposed Contour
 4. Spot Elevation
 5. Direction of Drainage
 6. Exist. Trees to be retained



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 11-7-80



S.O.S.T. ST-3 TRAP #1
DA = 1.3 Acres
Storage Required = 131,800-234,000 cu ft
Storage Provided = 234,000 cu ft
Depth = 3'
Top of Stone Crest = 373.0
Bottom Elev = 370.0
Bottom Dimensions - See Plan

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John Bryan
COUNTY HEALTH OFFICER DATE 12-8-80

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
Donald K. Davis
PLANNING DIRECTOR DATE 12-9-80

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Jim F. Neumay
DIRECTOR DATE 12-3-80

OPEN SPACE LOT 304
DORSEY HALL 1/4
PLAT 4574

Note: Contact Colonial Pipeline before any work is done in the Ex. 35' Easement. Extreme care to be utilized when grading or installing sediment control in this easement.

Reviewed for *Howard* Name S.C.D.
and meets Technical Requirements
James M. Wilson Date 12/1/80
Signature
U.S. Soil Conservation Service

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

William J. Howe
Approved Date 11-21-80

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 are deemed necessary."
B. James Greenfield
Signature of Developer/Builder Date 10-9-80
B. James Greenfield

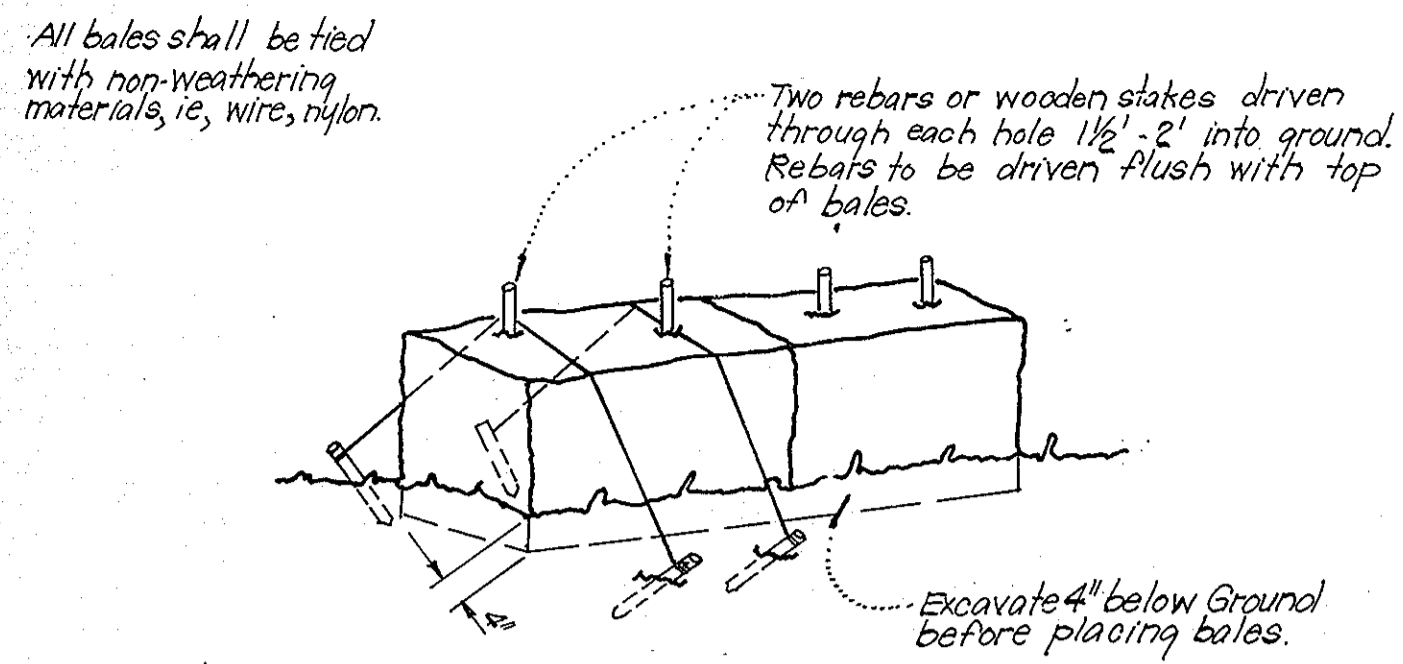
ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
A. Nelson Clark
Signature Date 10-9-80
A. Nelson Clark

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED <i>J.L.S.</i>	SEDIMENT & EROSION CONTROL PLAN LOTS 281 THRU 294 DORSEY HALL SECTION 1 AREA 4 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. 806 AMERICAN CITY BLDG. COLUMBIA, MD 21044 Oct. 9, 1980	SCALE 1" = 30' DRAWING 2 of 3 JOB NO. 79-097 FILE NO. 79-097 SE

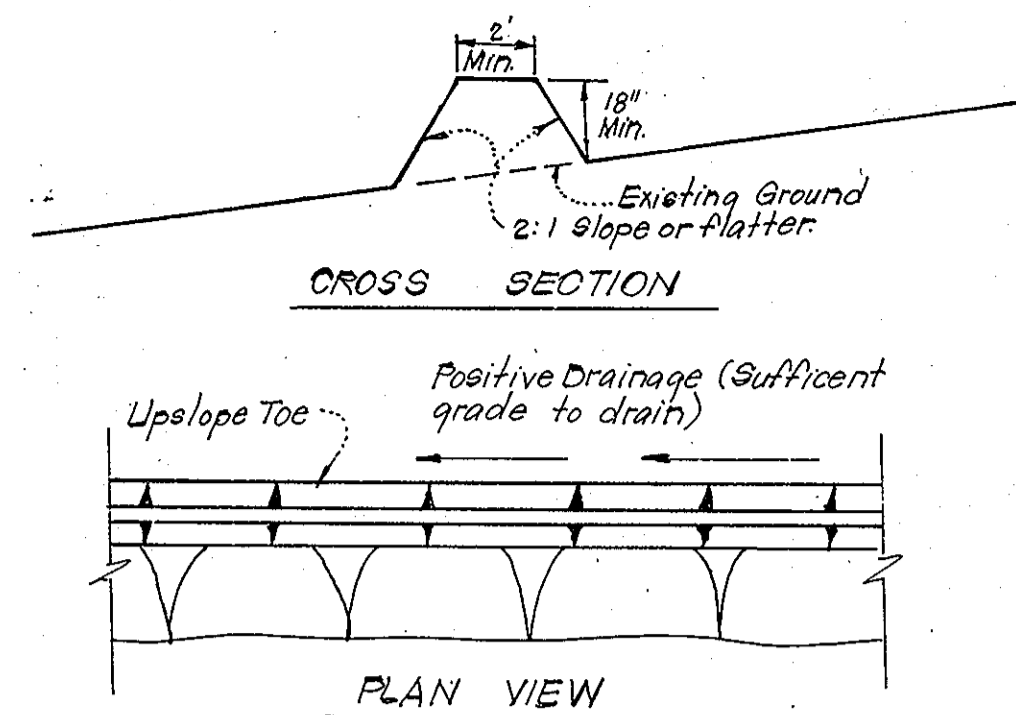
GENERAL NOTES

- 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 s.f.
- Notify the Bureau of Inspections and Permits at least 24 hrs 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.
- All grading shall be treated in accordance with the following Specifications:
 - Seed- certified 85% germination applied at the rate of 3/lbs/1000 s.f. Mixture - 40% Kentucky Blue, 20% Denset Fescue, 20% Kentucky 31 and 20% annual rye.
 - Fertilizer - 10-10-10 applied at a rate of 25 lbs/1000 s.f. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 90 lbs/1000 s.f.
 - Mulch - Weed free grain straw applied at a rate of 70-80 lbs/1000 s.f. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.
 - All Sod used shall be Maryland State Certified.
- 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 developers 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.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- 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.
- Total Amount of Straw Bales or Silt Fence shown = 1075 LF
- SITE ANALYSIS:

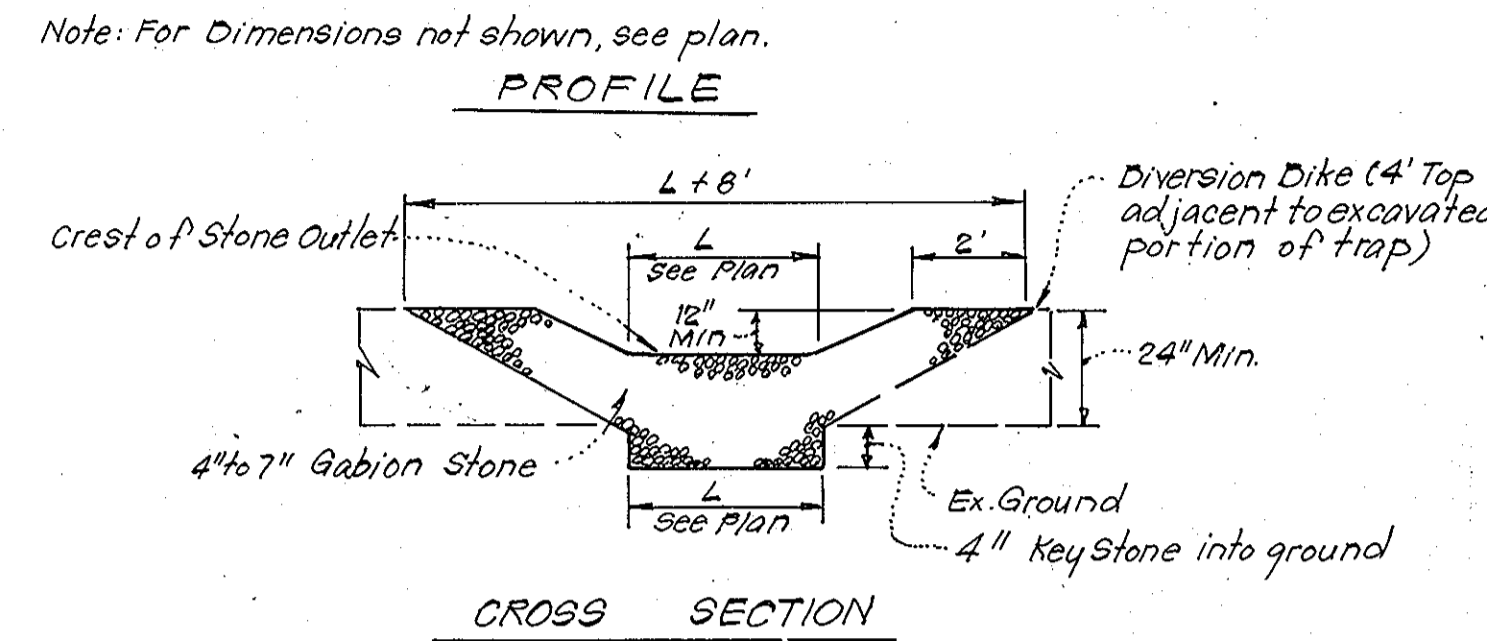
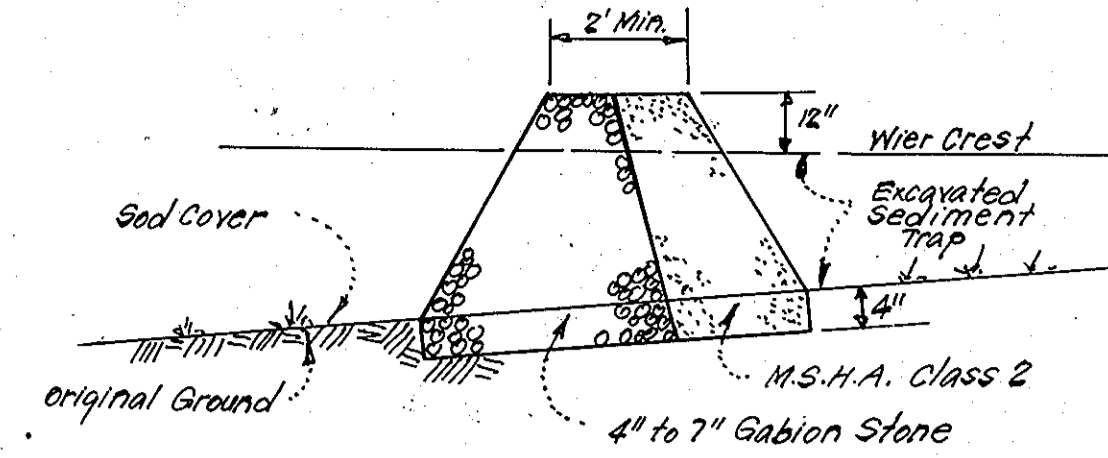
A. Total Area:	6.332	Acres
B. Area to be Roofed:	0.578	Acres
C. Area to be Paved:	0.262	Acres
D. Area to be Seeded:	3.074	Acres
E. Area Undisturbed:	2.418	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
- 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.



TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale

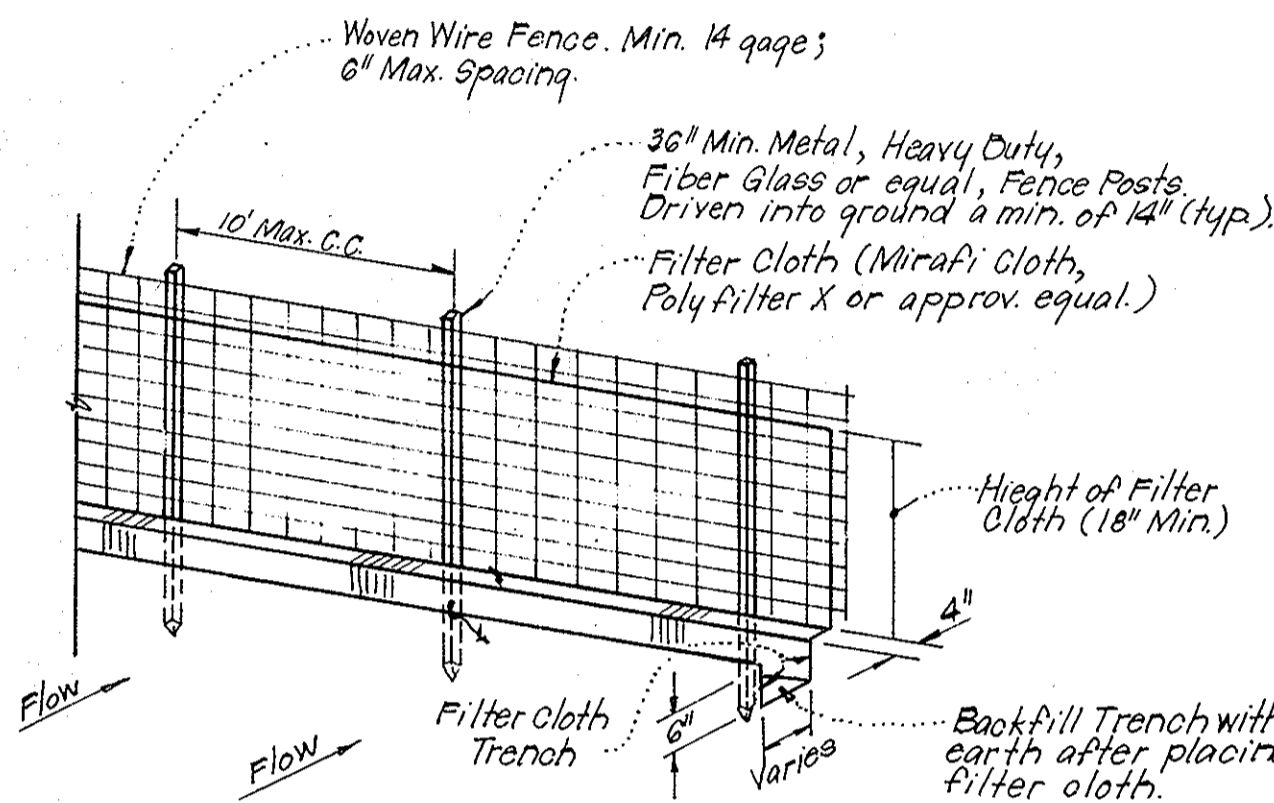


TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



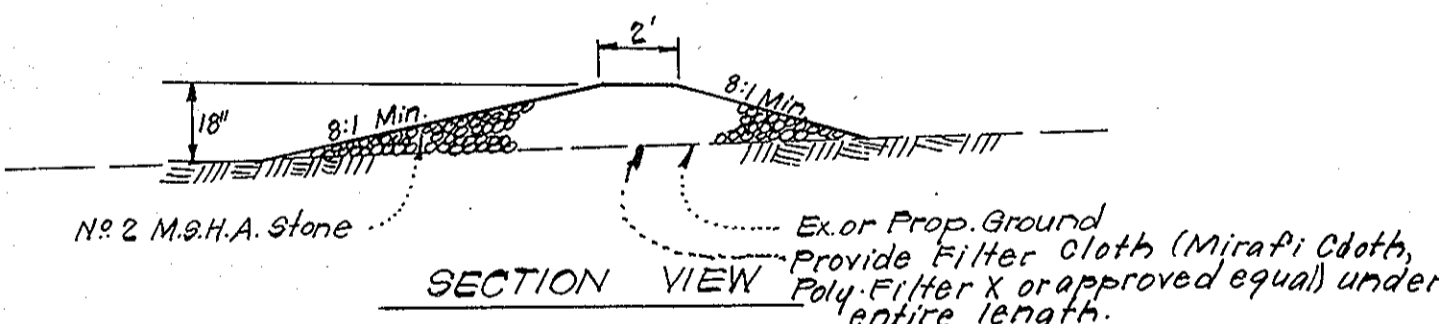
- Notes:
- Sediment Trap to be cleaned out when sediment reaches a level of 1 ft. below crest of stone outlet.
 - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 - Stone Outlet to be constructed through diversion dike adjacent to excavated portion of sediment trap.

DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
No Scale

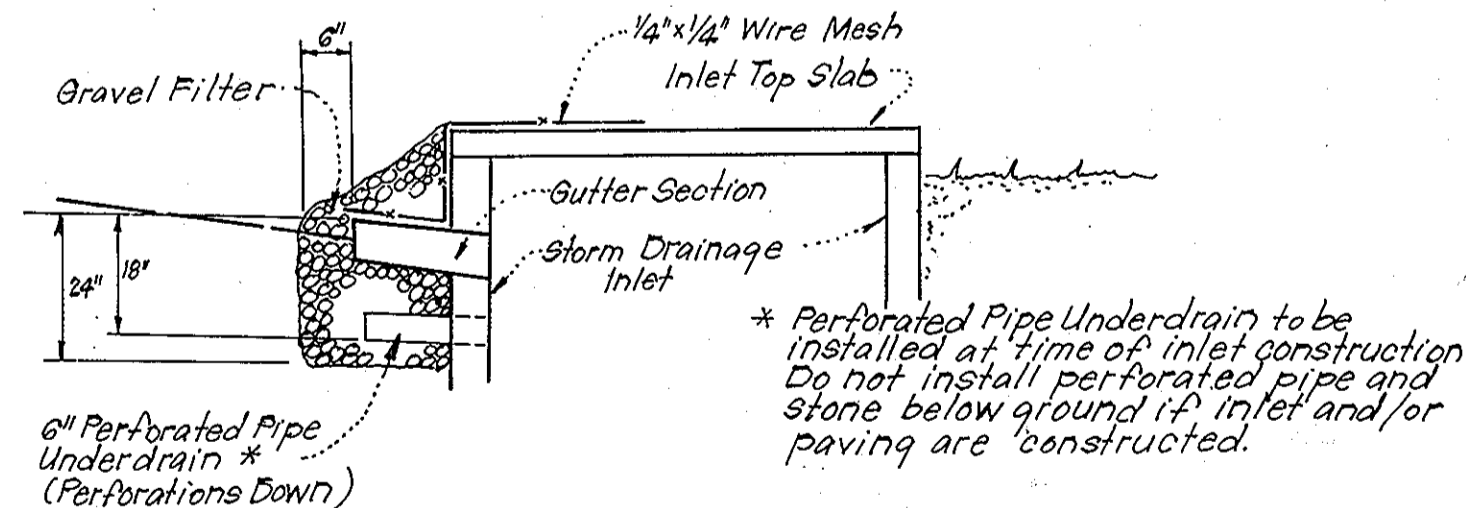
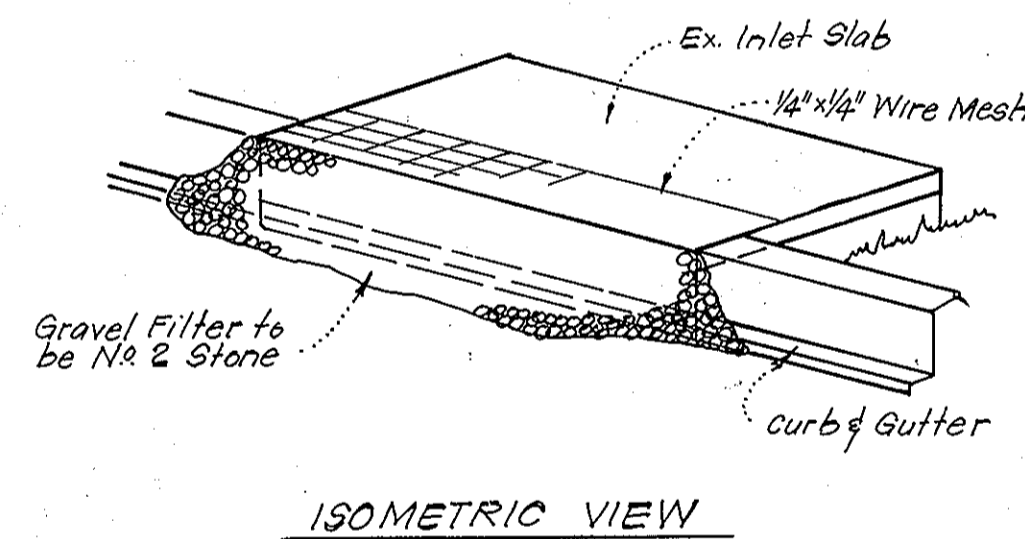


- Notes:
- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 - Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

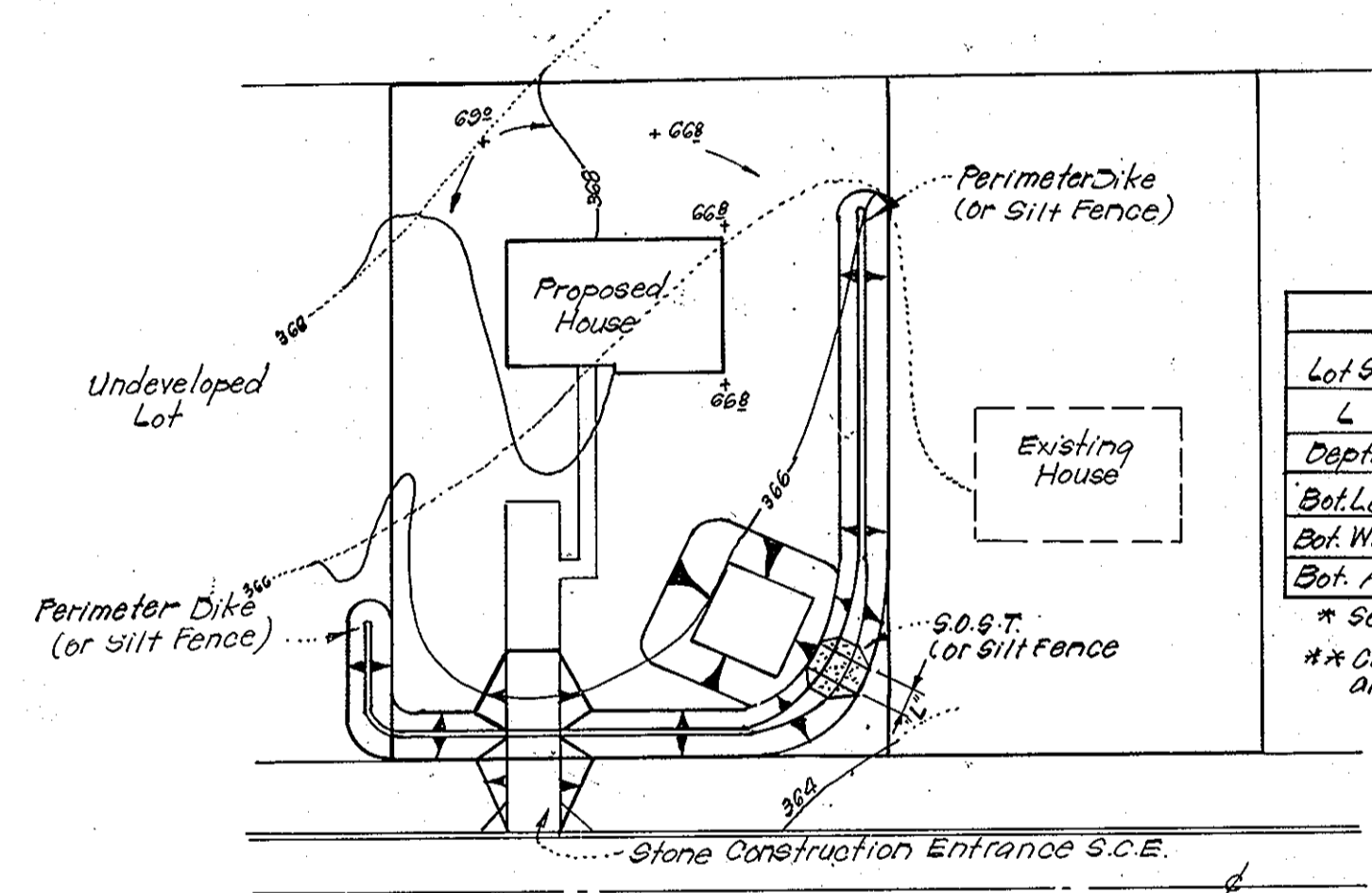
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)
No Scale



STONE FILTER INLET PROTECTION (S.F.I.P.)
No Scale



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale

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

James M. Nelson 12-8-80
HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

James M. Nelson 12-9-80
PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William F. Neuman 12-3-80
DIRECTOR DATE

William F. Neuman 12-2-80
CHIEF BUREAU OF ENGINEERING DATE

Reviewed for... *Howard*... S.C.D.
Name
and meets Technical Requirements

James M. Nelson 11/21/80
Signature Date

U.S. Soil Conservation Service

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

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 are deemed necessary."

B. James Greenfield 10-9-80
Signature Date

B. James Greenfield
Name

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.

S. Nelson Clark 10-9-80
Signature Date

S. Nelson Clark
Name



APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 11-7-80
JMM

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS 281 THRU 294	SCALE	As Shown
DRAWN	DORSEY HALL	DRAWING	3 of 3
CHECKED	SECTION 1 - AREA 4	JOB NO.	79-097
DATE	2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO.	79-097-9E

FOR: **COLUMBIA BUILDERS, INC.**
605 American City Bldg.
Columbia, Md. 21044

Oct. 9, 1980

S.D.P. 81-65 **SDP-81-65**