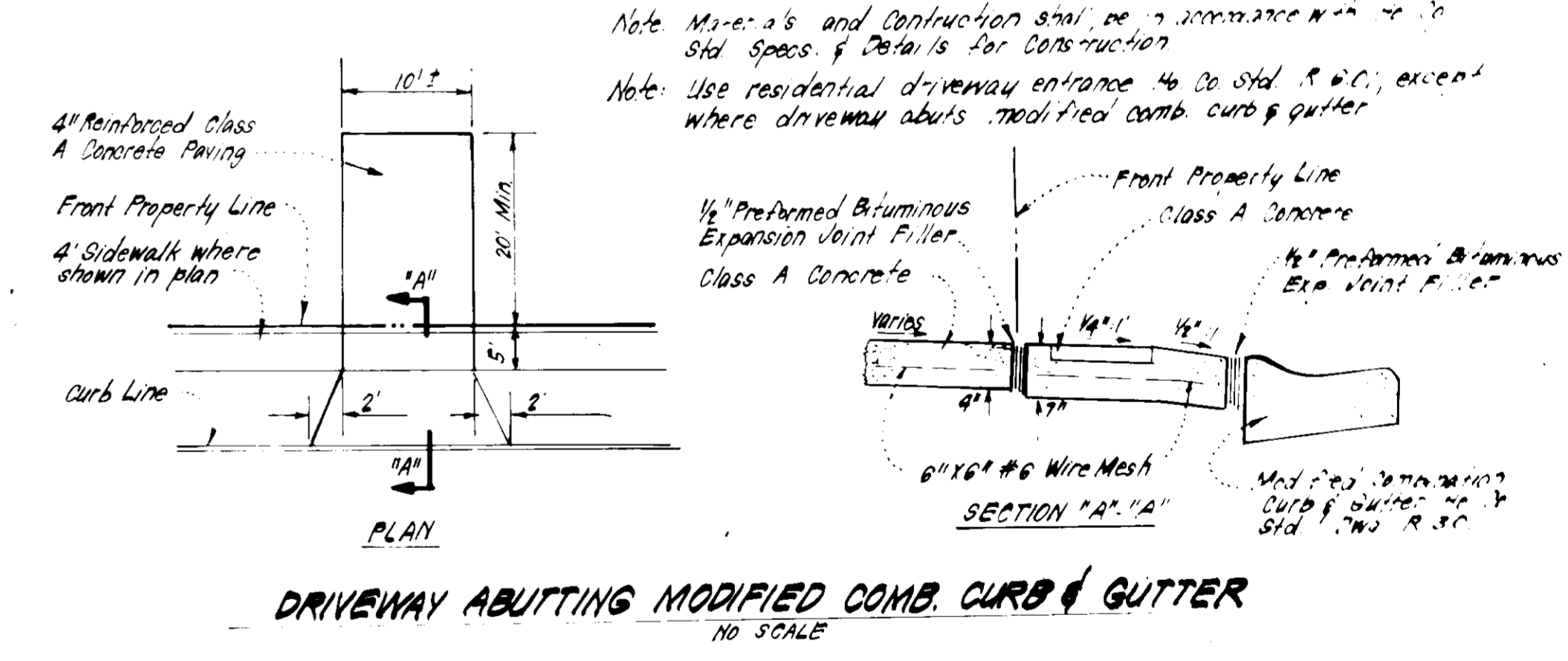
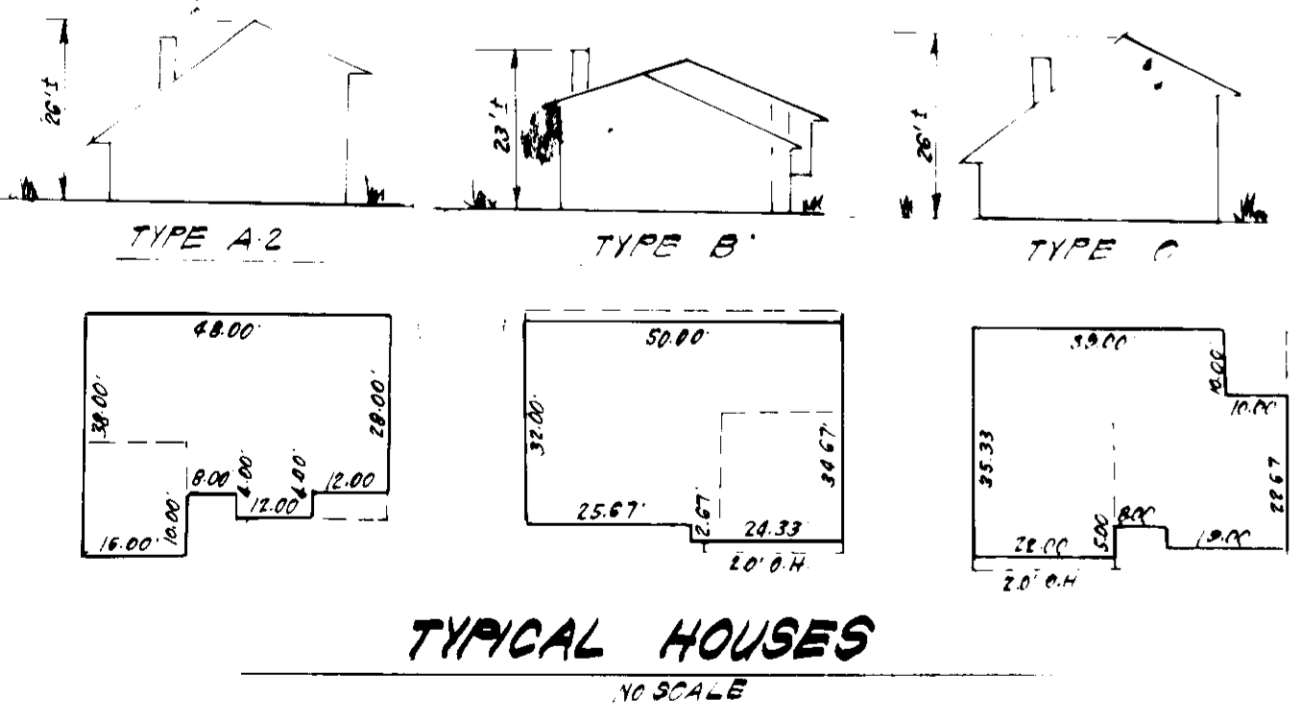


- GENERAL NOTES:**
- The land included in this plan is zoned: Newtown S.F.M.D.
 - The lots shown are covered by Final Development Plan Phase 109-A Part II.
 - All coordinates are based on traverse controls for Columbia established by Maps Inc. in 1965, by Perdom and Veschte in 1968, which controls were tied to Maryland Bureau of Control Survey monuments and the U.S. Coast & Geodetic Survey monuments in the Columbia area.
 - The area covered is located on Tax Map #42.
 - The total area of this plan is 1.376 Acres.
 - All roadways are public & existing.
 - Any damage to county owned rights of way shall be corrected at the developer's expense.
 - Total number of lots: 4

- LEGEND:**
- Existing Contour (2 Ft. Interval)
 - Proposed Contour
 - Spot Elevation +30.5
 - Direction of Drainage
 - Existing Woods to be retained



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-20-83
[Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
DATE 6-3-83
[Signature]

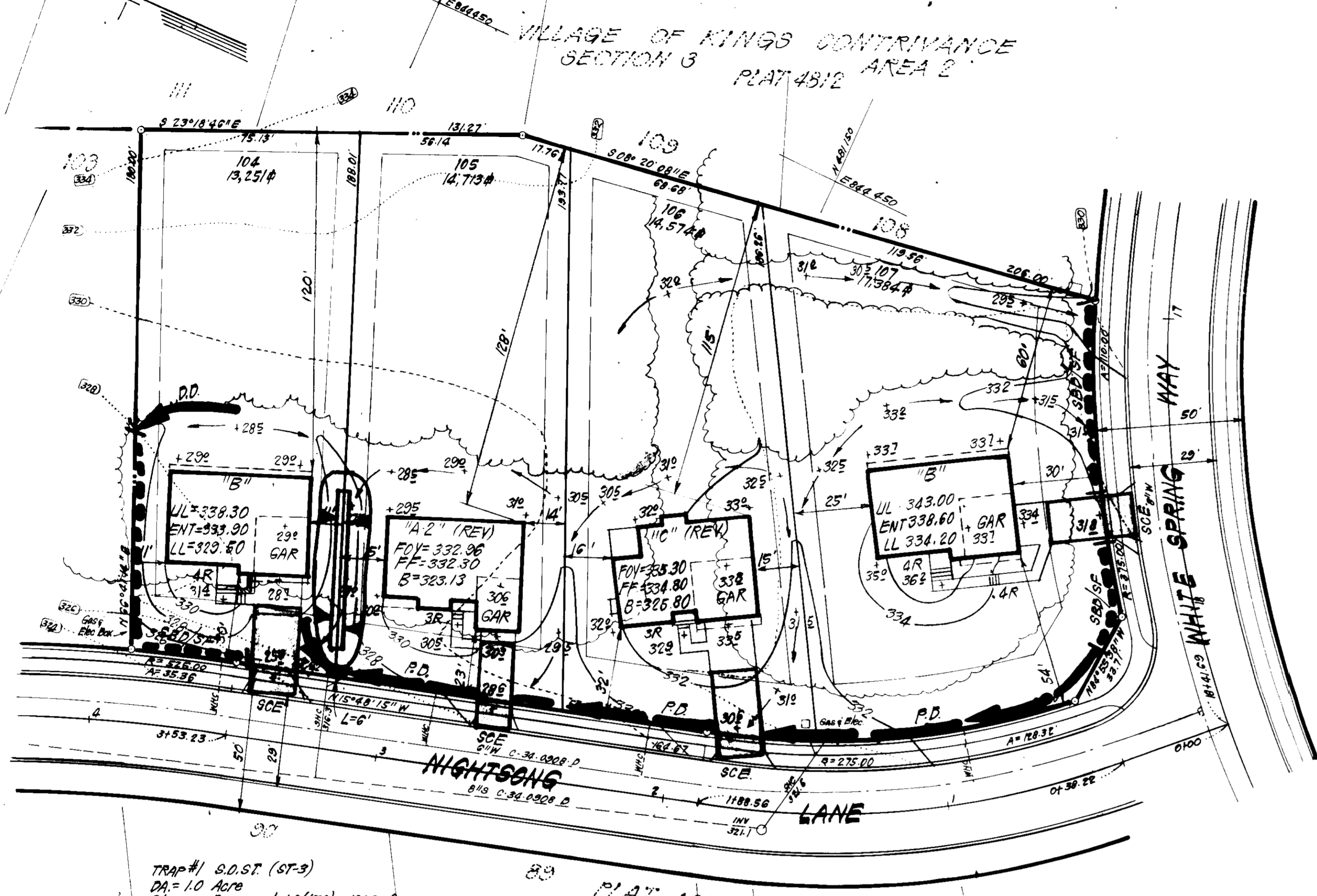
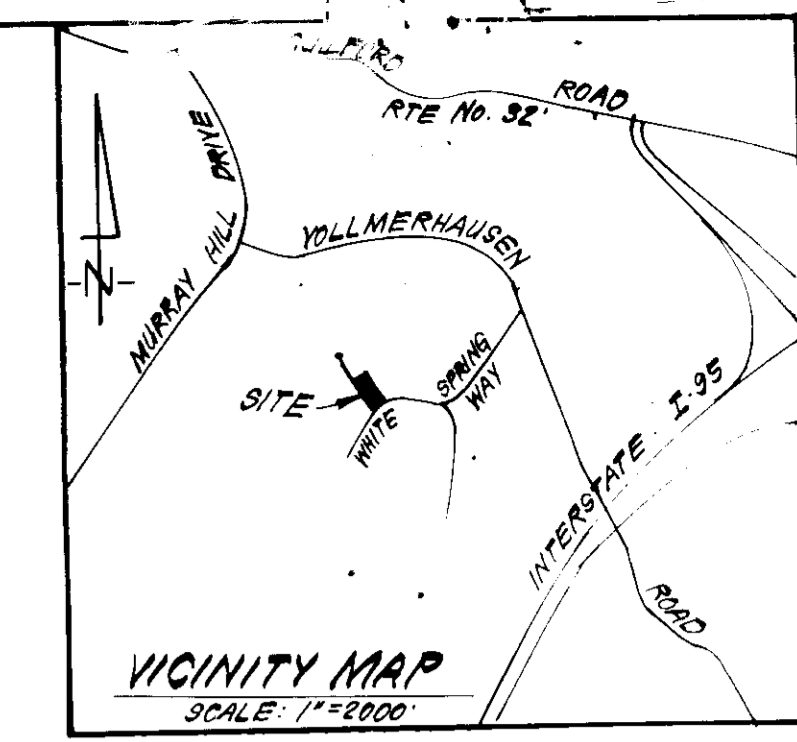
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 6-7-83
[Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 6-2-83
[Signature]

HEF BUREAU OF ENGINEERING
DATE 6-2-83
[Signature]

PLAT REFERENCE: PLAT 4812

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 583-3400			
DESIGNED	SITE DEVELOPMENT PLAN LOTS 104 THRU 107	SCALE	1"=30'
DRAWN	COLUMBIA	DRAWING	10F 3
CHECKED	VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	80-101
DATE	FOR: ALLAN HOMES, INC. P.O. Box 1055 Columbia MD 21044	FILE NO.	80-101-X
DATE	4-20-83		



TRAP #1 S.D.ST. (ST-3)
 DA = 10 Acre
 Storage Required 10(100) = 1000 of
 Storage Provided = 1800 of
 Depth = 3'
 Top of Stone Crest = 3280
 Bottom Elevation = 3250
 Bottom Dimensions = 54' x 4'

- LEGEND:**
- Existing Contour (2 Ft. Interval)
 - Proposed Contour
 - Spot Elevation + 30.5
 - Direction of Drainage
 - Existing Woods to be retained
 - Perimeter Dike
 - Diversian Dike
 - Straw Bale Dike or Silt Fence
 - Stone Construction Entrance
 - Sediment Trap

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-20-83
 [Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 6-3-83
 COUNTY HEALTH OFFICER DATE
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 6-7-83
 PLANNING DIRECTOR DATE
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 6-2-83
 DIRECTOR DATE
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 6-2-83
 CHIEF BUREAU OF ENGINEERING DATE

Reviewed for Howard Name
 and meets Technical Requirements
 [Signature] Date
 Signature Date
 U.S. Soil Conservation Service
 [Signature] 5-31-83
 Approved Date

ENGINEER'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
 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 inspections by the Howard Soil Conservation District or their
 authorized agents, as are deemed necessary.
 [Signature] 4-25-83
 Signature of Developer/Builder Date
 Allan Washak



PLAT REFERENCE: PLAT 4812

CFS		CLARK • FINEFROCK & SACKETT	
ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400	
DESIGNED	JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 104 THRU 107	SCALE 1"=30'
DRAWN	KIW	COLUMBIA	DRAWING 2 OF 3
CHECKED	JLS	VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 2	JOB NO. 80-101
DATE	4-20-83	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 80-101-52
		FOR: ALLAN HOMES, INC. P.O. Box 1058 Columbia Md 21044	

SDP-83-184

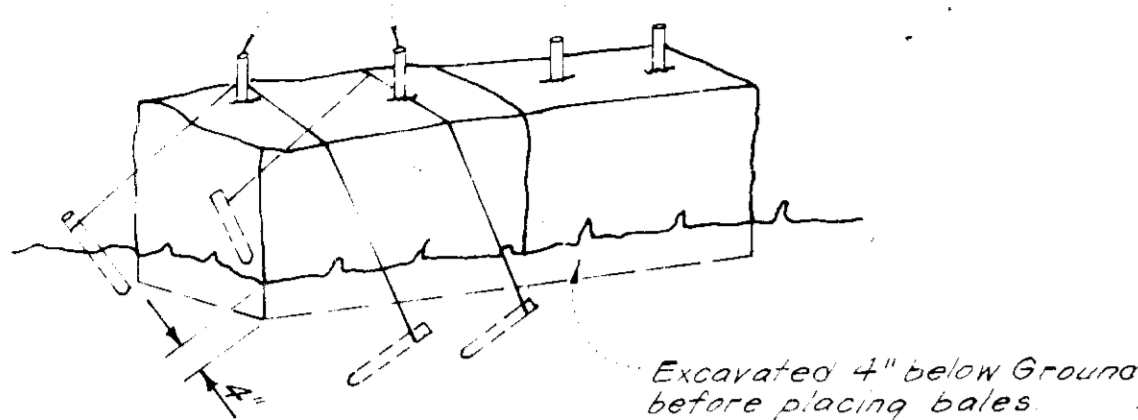
GENERAL NOTES

- 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 applied at a rate of 14 lbs/1000 sf.
- 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 disturbed area to be stabilized in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 lbs/1000 sf. Mixture - 40% Kentucky Blue, 20% chewing fescue, 20% Kentucky 3 and 20% annual rye.
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sf.
 - Mulch - Weed free grain straw applied at a rate of 70-90 lbs/1000 sf. Mulch shall be secured to the ground by any approved method; asphalt tacks, chemical broom 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.
- 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 from this site.
- All pipes to be blocked at the end of each day. See detail this sheet (Not Required)
- Total Amount of Straw Bales or Silt Fence shown = 220 LF
- SITE ANALYSIS:

A. Total Area	1.376	Acres
B. Area to be Roofed	0.156	Acres
C. Area to be Paved	0.055	Acres
D. Area to be Seeded	0.539	Acres
E. Area Undisturbed	0.626	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike
 - Excavate for Foundations and Rough Grade
 - Erect Structures, Driveways and Sidewalks
 - Final Grade and Stabilize in accordance with note #6
- If houses are to be constructed on an "As-Soil" basis at proposed Single Lot Sediment Control as shown on this sheet, shall be implemented.

Rebars shall be tied with #10 weathering wire as shown above.

Two rebar or wooden stakes driven through each hole 1/2" - 2" into ground. Rebars to be driven flush with top of bales.

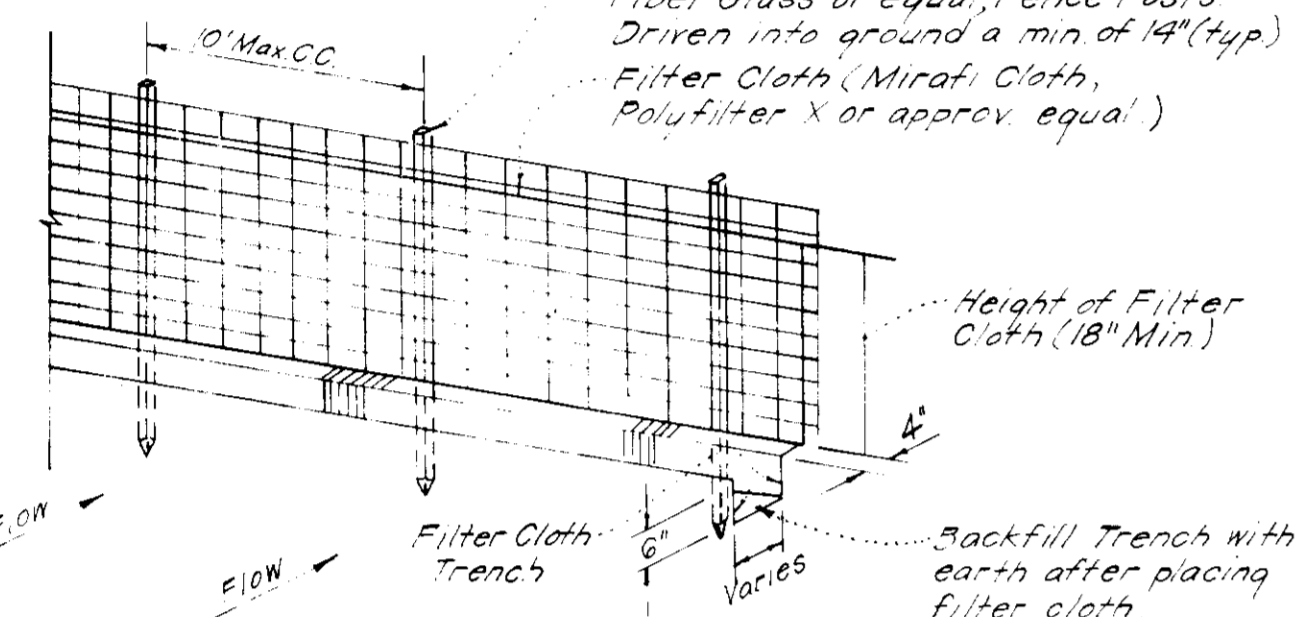


Note: In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above)

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

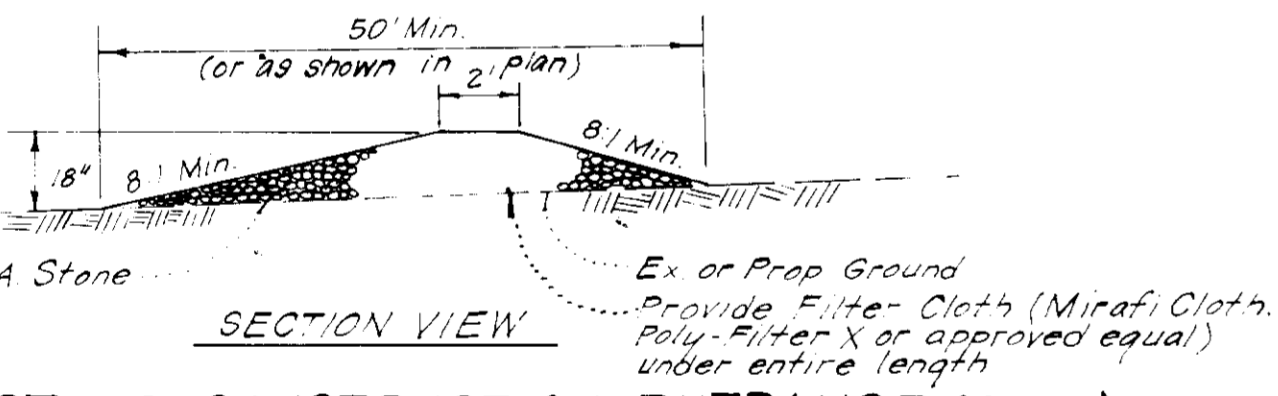
Woven wire fence - Min. 4 gage; 6" Max spacing

3/8" Min. Metal, Heavy Duty Fiber-Glass or equal Fence Posts Driven into ground a min of 14" (typ). Filter Cloth (Mirafix Cloth, Polyfilter X or approved equal)

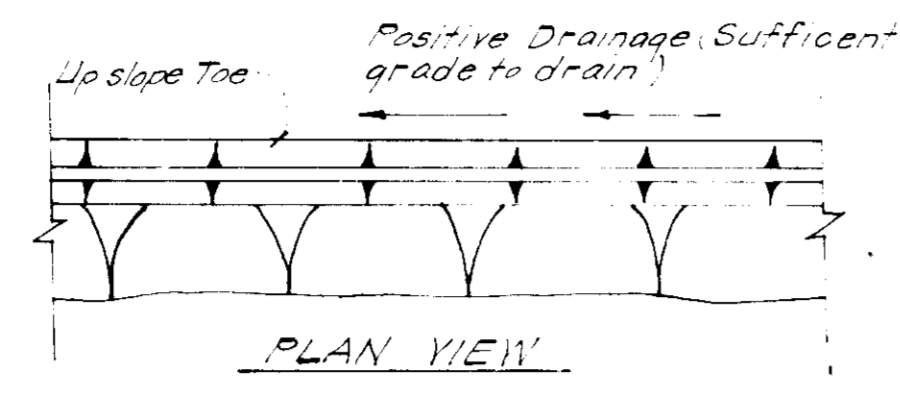
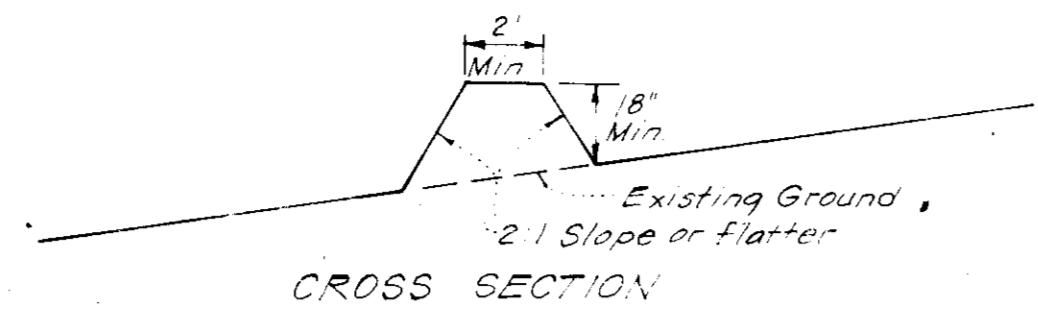


Notes: 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties. 2. Filter Cloth to be fastened securely to Woven Wire by use of wire ties spaced every 24" x 24"

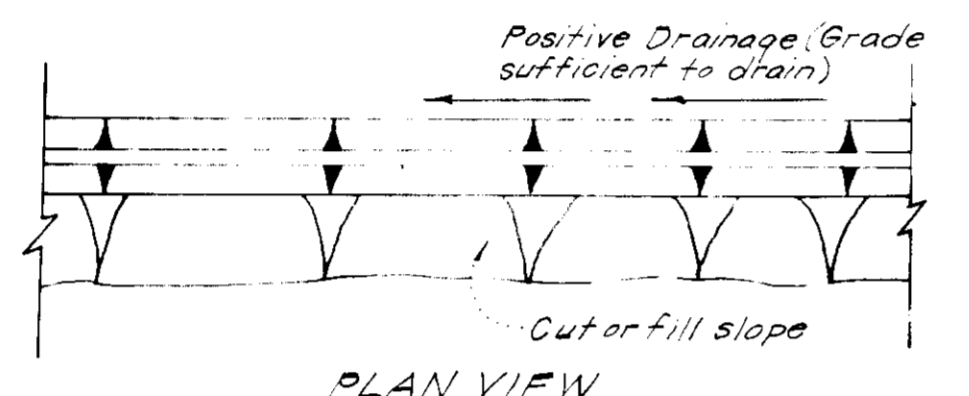
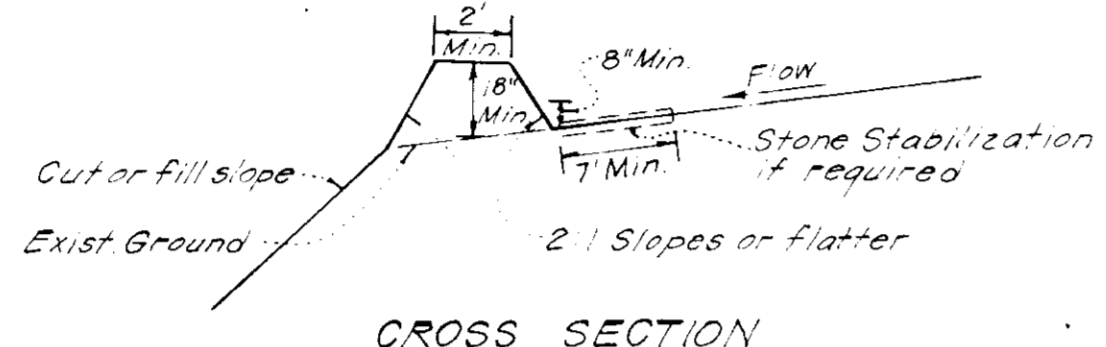
SILT FENCE DETAIL (SF)
No SCALE



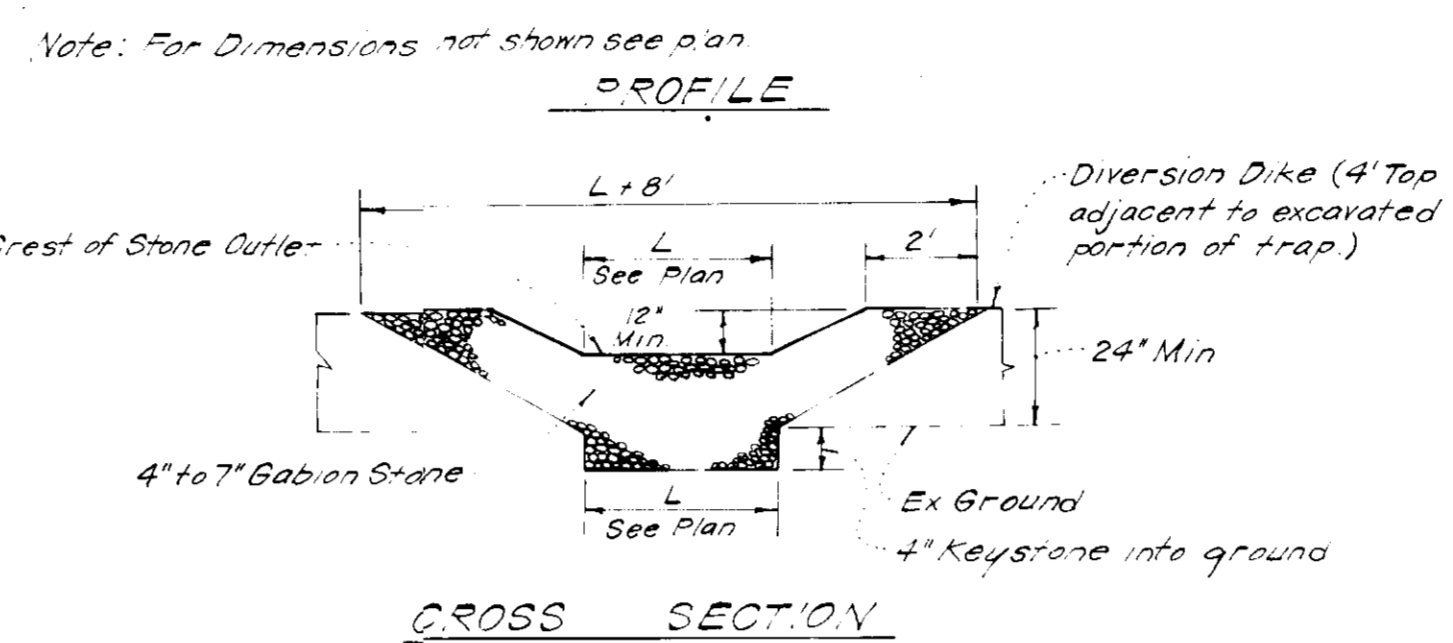
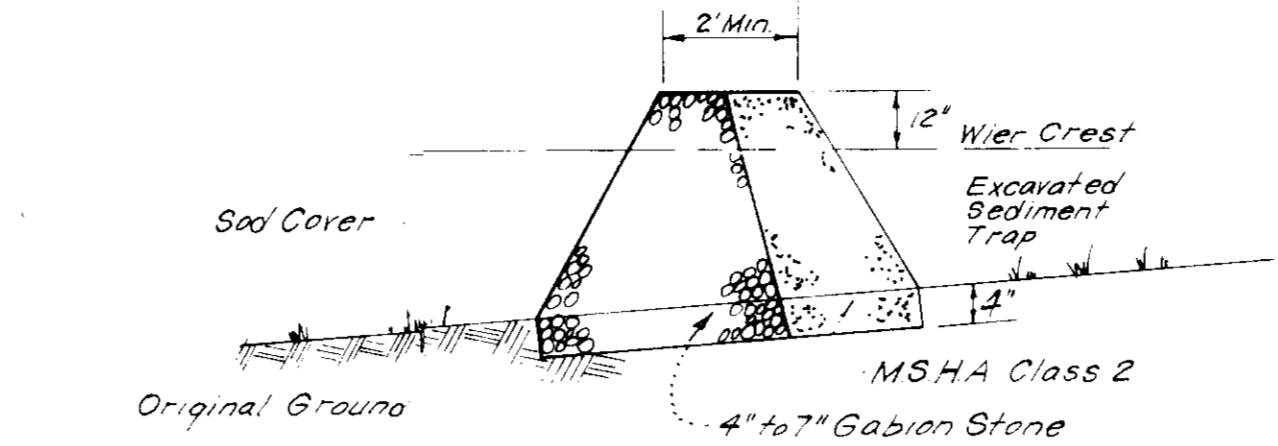
STONE CONSTRUCTION ENTRANCE (S.C.E.)
No SCALE



PERIMETER DIKE (P.D.)
No SCALE

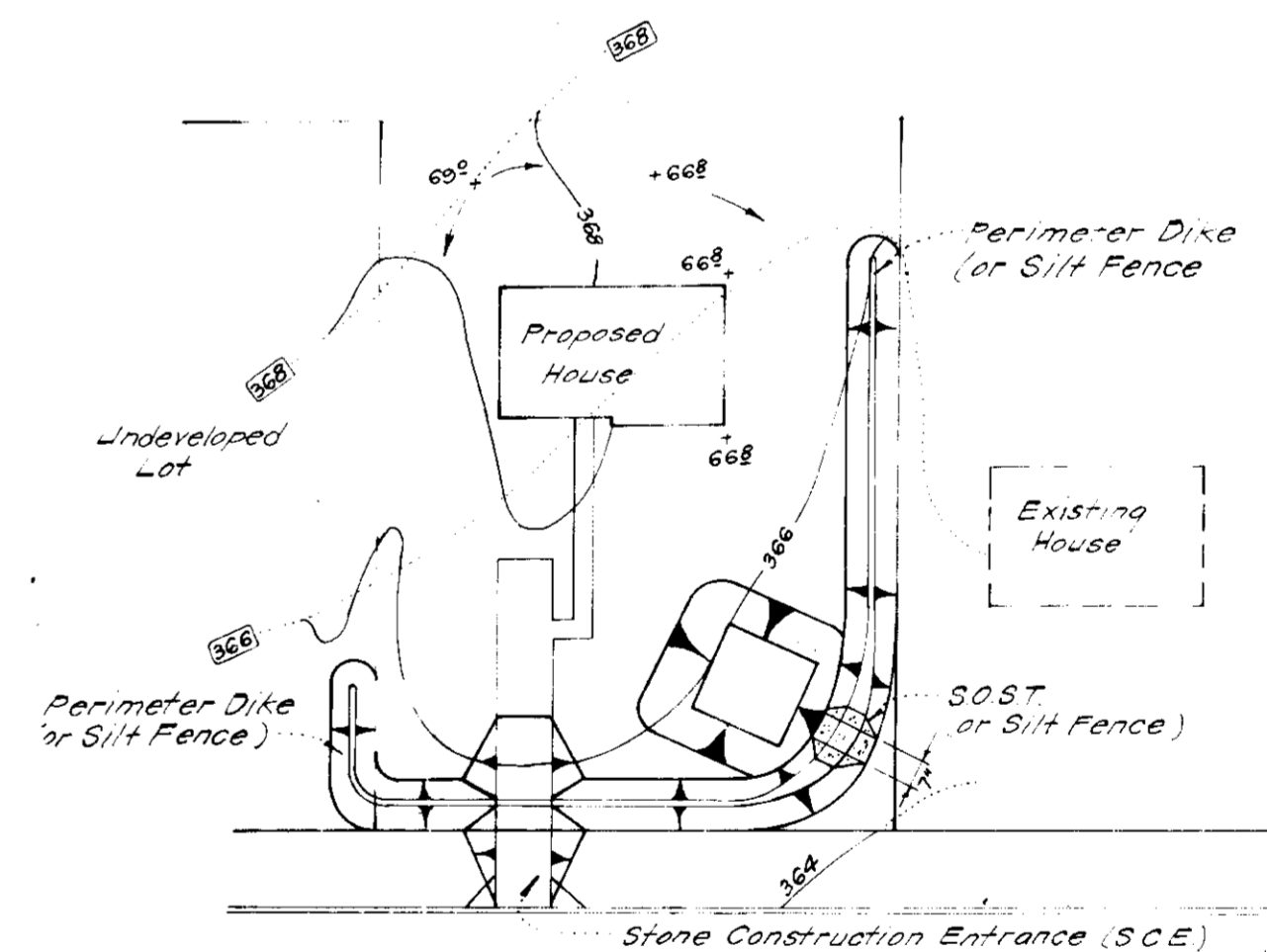


DIVERSION DIKE (D.D.)
No SCALE



Notes: 1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet. 2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan. 3. Stone Outlet to be constructed through diversion dike adjacent to excavated.

DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP
No SCALE



S.O.S.T.#			
Lot Size	1/4 Ac	1/2 Ac	1 Ac
Perch	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 Sky ST-3 on 2007 Erosion Control sheet shown
** Can be adjusted in field but bottom area must be as large or greater

SINGLE LOT SEDIMENT CONTROL PLAN
No SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-20-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Director: *[Signature]* DATE: 6-3-83
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Director: *[Signature]* DATE: 6-7-83
 Director: *[Signature]* DATE: 6-6-83
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: *[Signature]* DATE: 6-2-83
 Chief Engineer: *[Signature]* DATE: 6-2-83

Reviewed for HOWARD S.C.D.
 Name: *[Signature]* Date: 5-21-83
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: *[Signature]* DATE: 5-31-83

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan for the control of erosion and sediment on the site and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature of Developer/Builder: *[Signature]* DATE: 4-25-83
 Allan Washak



ENGINEER'S CERTIFICATE
 Signature of Engineer: *[Signature]* DATE: 4-25-83
 G. Neilson Clark

CLARK • FINEPROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LORRAINE DRIVE
 DESIGNED: VLS DATE: 4-20-83
 DRAWN: R.I.W.
 CHECKED: VLS
 DATE: 4-20-83
 PROJECT: SEDIMENT & EROSION CONTROL PLAN LOTS 104 THRU 107
 COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 2
 6TH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 P.O. Box 1058
 Columbia Md 21044
 SCALE: As Shown
 SHEET: 3 OF 3
 JOB NO: 80-101
 DRAWING NO: 80-101 SE