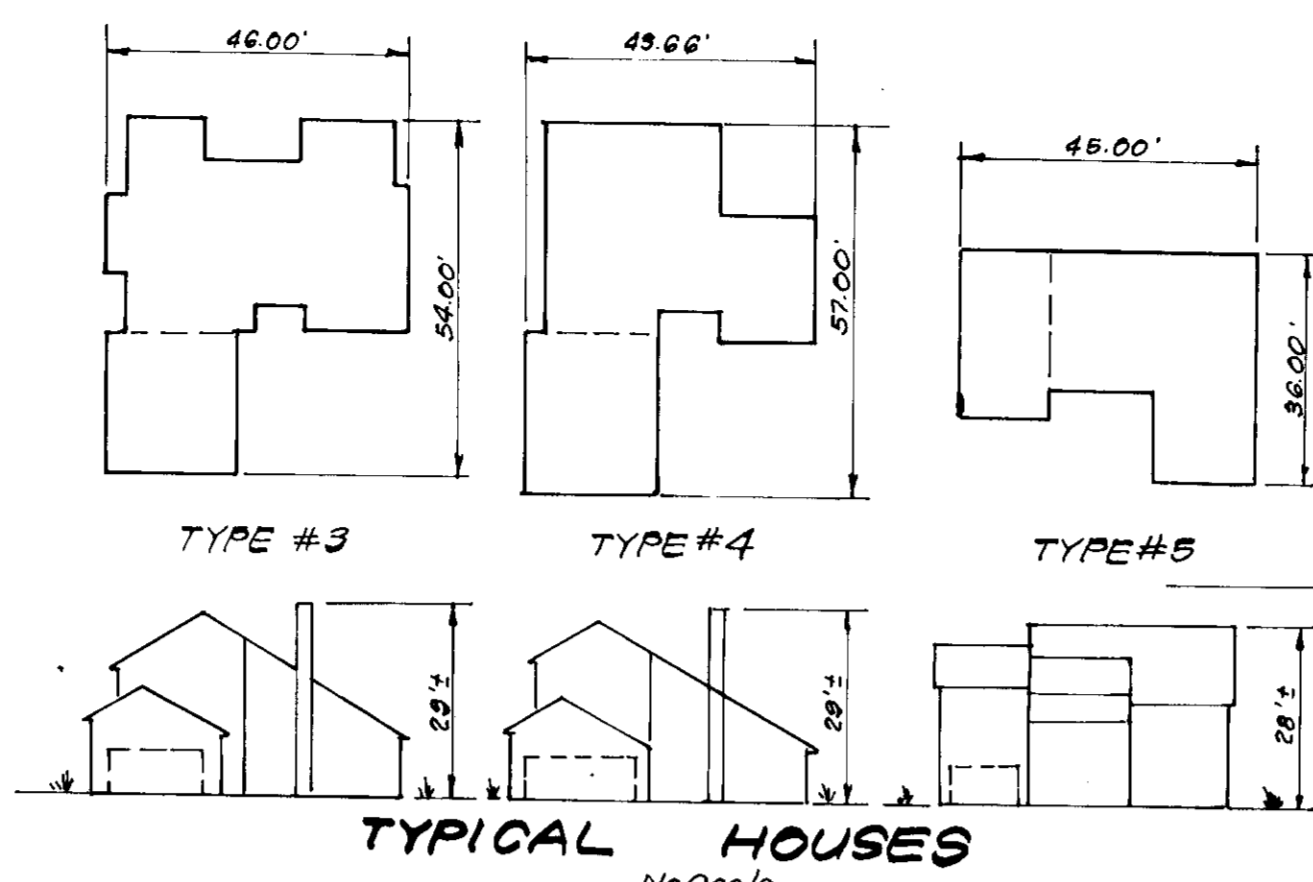


GENERAL NOTES:

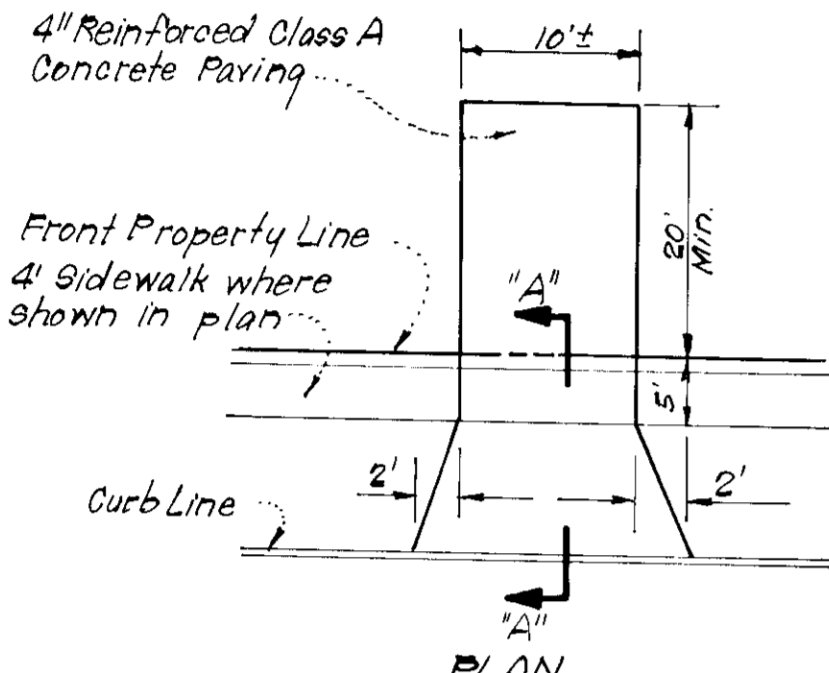
- The Land included in this plan is zoned New Town (ZFMD).
- The Lots shown on this plan are covered by Final Development Plan Phase 129A Part I, Plat No 3054A 162-116, Feb 8, 1979.
- All coordinates are based on traverse controls for Columbia established by Maps Inc., in 1968 by Purdom & Jeschke in 1968 which controls were tied to Maryland Bureau of Control Survey monuments and to U.S. Coast & Geodetic Survey monuments in the Columbia area.
- The area covered in this submission is located on Tax Map #42.
- The total area included on this plan is 4.554 Acres.
- All roadways are public & existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.

LEGEND:

- Contour Interval 2 Ft.
- Existing Contour 3/16
- Proposed Contour 3/10
- Spot Elevation +10E
- Direction of Drainage
- Exist Trees to be retained
- Retaining Wall
- Walk-out Basement



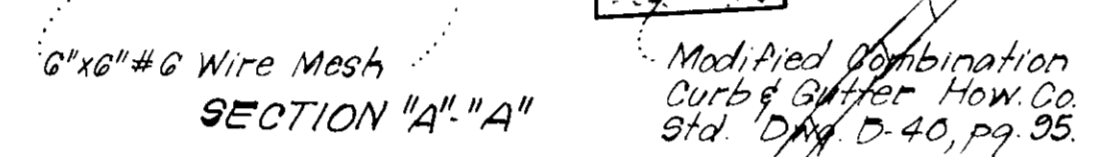
TYPICAL HOUSES
No Scale



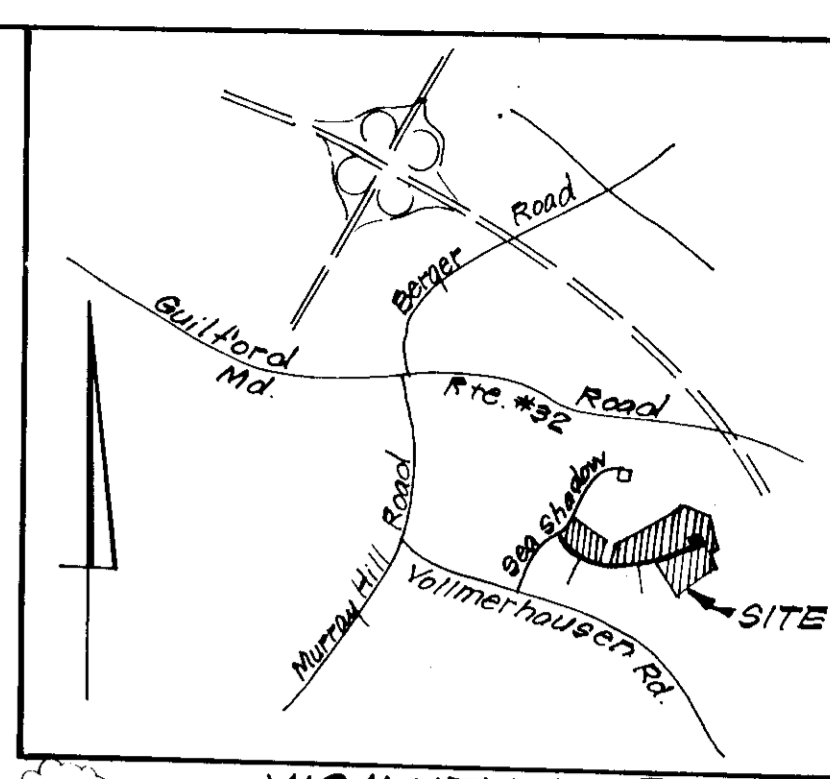
DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
No Scale

Note: Use Residential Driveway Entrance. How Co Std Dwg D-34 Pg. 89 except where driveway abuts Modified Comb. Curb & Gutter.
Note: Materials and Construction shall be in accordance with Ho. Co. Road Constr. Code.

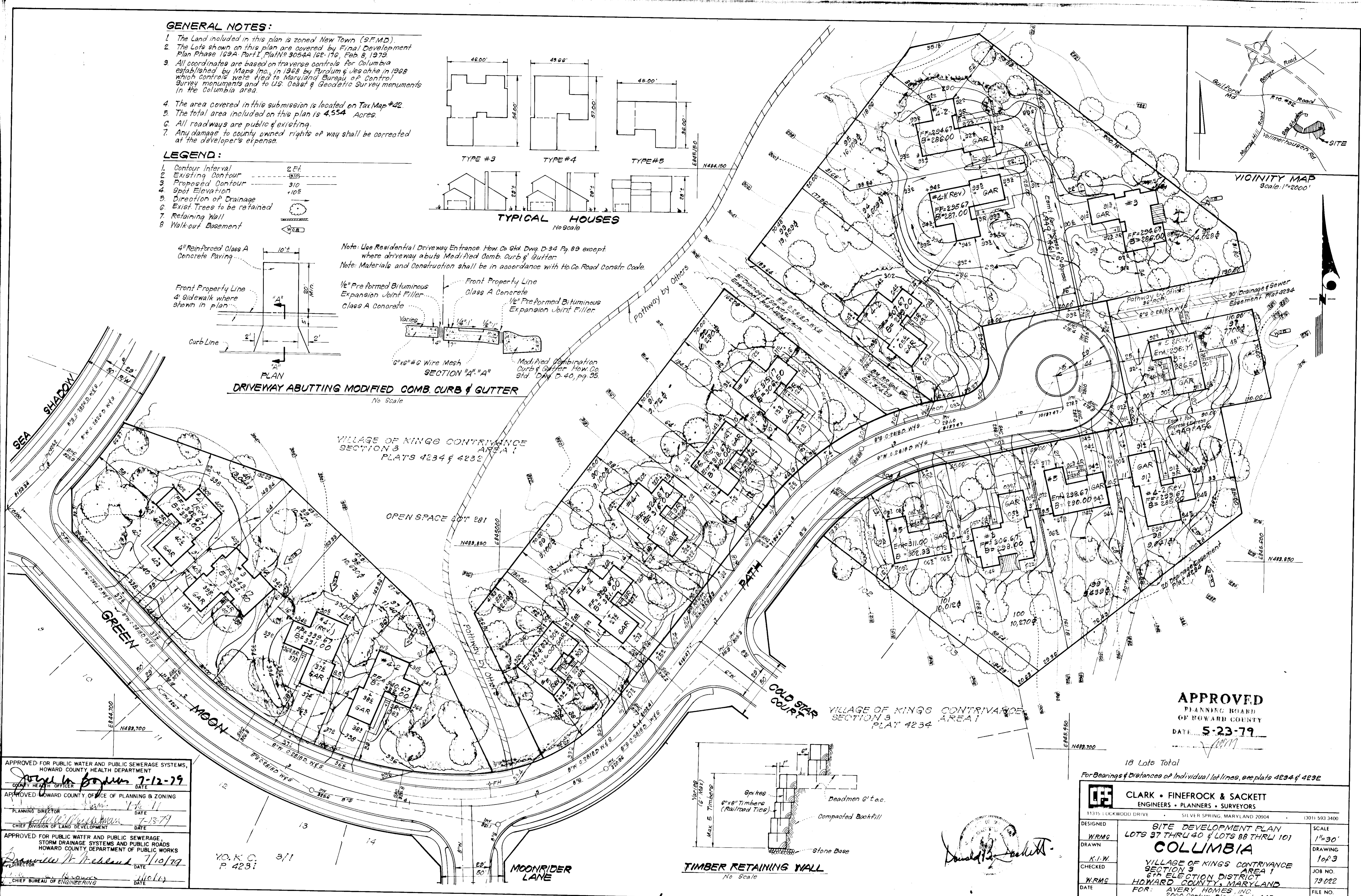
1/2" Pre formed Bituminous Expansion Joint Filler
Class A Concrete
1/4" Pre formed Bituminous Expansion Joint Filler
Class A Concrete



SECTION "A" "A"
No Scale



VICINITY MAP
Scale: 1"=200'



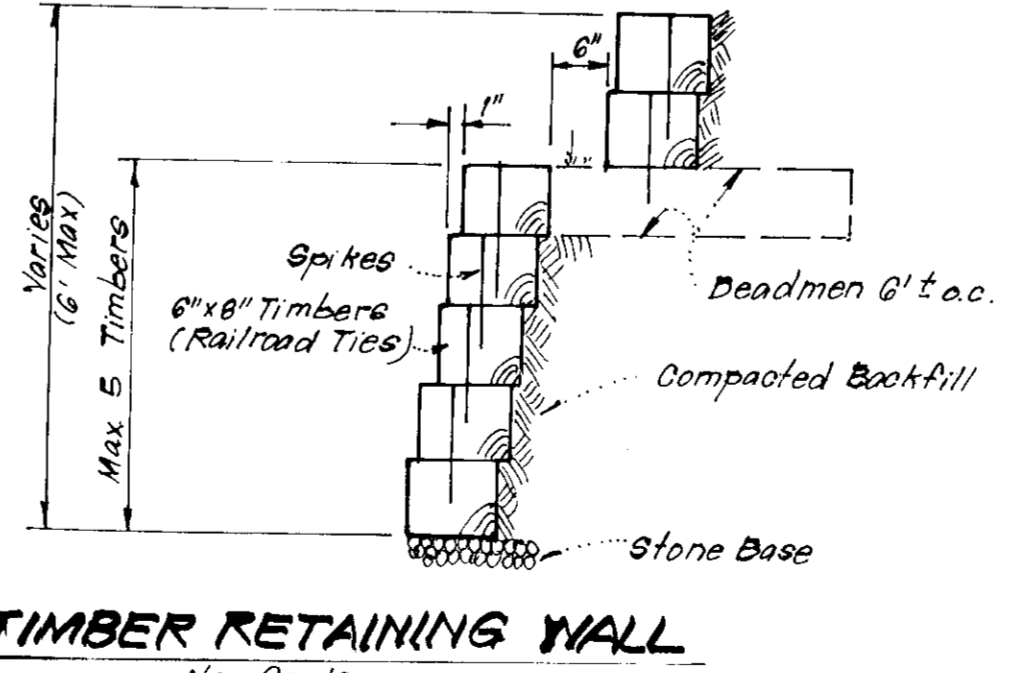
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 5-23-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James M. Popkin 7-12-79
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE 7-11-79
CHIEF DIVISION OF LAND DEVELOPMENT DATE 7-13-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William H. H. H. H. 7/10/79
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE 7/10/79



TIMBER RETAINING WALL
No Scale

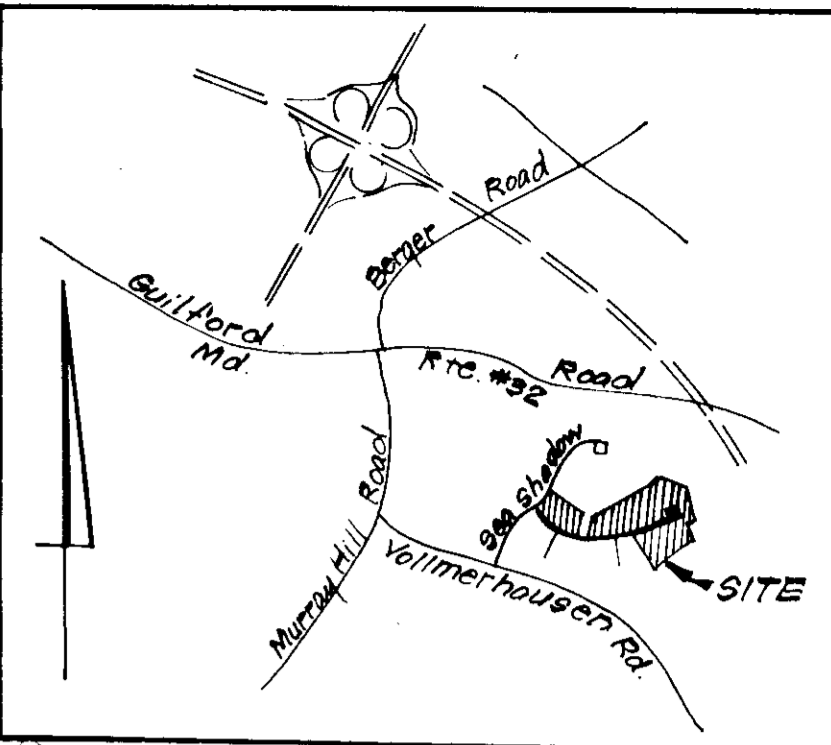
18 Lots Total
For Bearings & Distances of Individual lot lines, see plats 4234 & 4232

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED WRMG	SITE DEVELOPMENT PLAN LOTS 37 THRU 40 & LOTS 88 THRU 101 COLUMBIA	SCALE 1"=30'
DRAWN K.L.W.		DRAWING 10P3
CHECKED WRMG	VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: AVERY HOMES, INC. 2000 Century Plaza, Suite 445 Columbia, Md. 21044	JOB NO. 79022
DATE Apr, 1979		FILE NO. 79022-X

LEGEND:

1. Contour Interval 2 FT
2. Existing Contour - - - - -
3. Proposed Contour - - - - -
4. Spot Elevation 10'S
5. Direction of Drainage
6. Exist Trees to be retained
7. Retaining Wall
8. Walk-out Basement
9. Perimeter Dike
10. Straw Bale Dike/Silt Fence
11. Stone Filter Inlet Protection S.F.I.P.
12. Stone Construction Entrance S.C.E.
13. Sediment Trap



VILLAGE OF KINGS CONTRIVANCE
SECTION 3
AREA 1
PLATS 4234 & 4232

VILLAGE OF KINGS CONTRIVANCE
SECTION 3
AREA 1
PLAT 4234

Sediment Trap #1 (S.O.S.T.)
DA = 0.702
Vol. Req'd: 1266 c.f.
Vol. Provided: 1600 c.f.
Bottom Elev: 274.0
Crest Elev: 277.0
Bottom Dimensions:
36' x 16' x 2' deep.

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic site inspection by the Howard Soil Conservation District or their authorized agents as the deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

W.M. Rowe
Signature
5/2/79
Date

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 5-23-79

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.

G. Nelson Clark
Signature
4-30-79
Date

Reviewed for **HOWARD** S.C.D.
and meets Technical Requirements
Signature: *William F. Rowe*
Date: 6-29-79
U.S. Soil Conservation Service

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

William F. Rowe
Approved
6-29-79
Date



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature]
DATE: 7-12-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature]
DATE: 7-16-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature]
DATE: 7-16-79

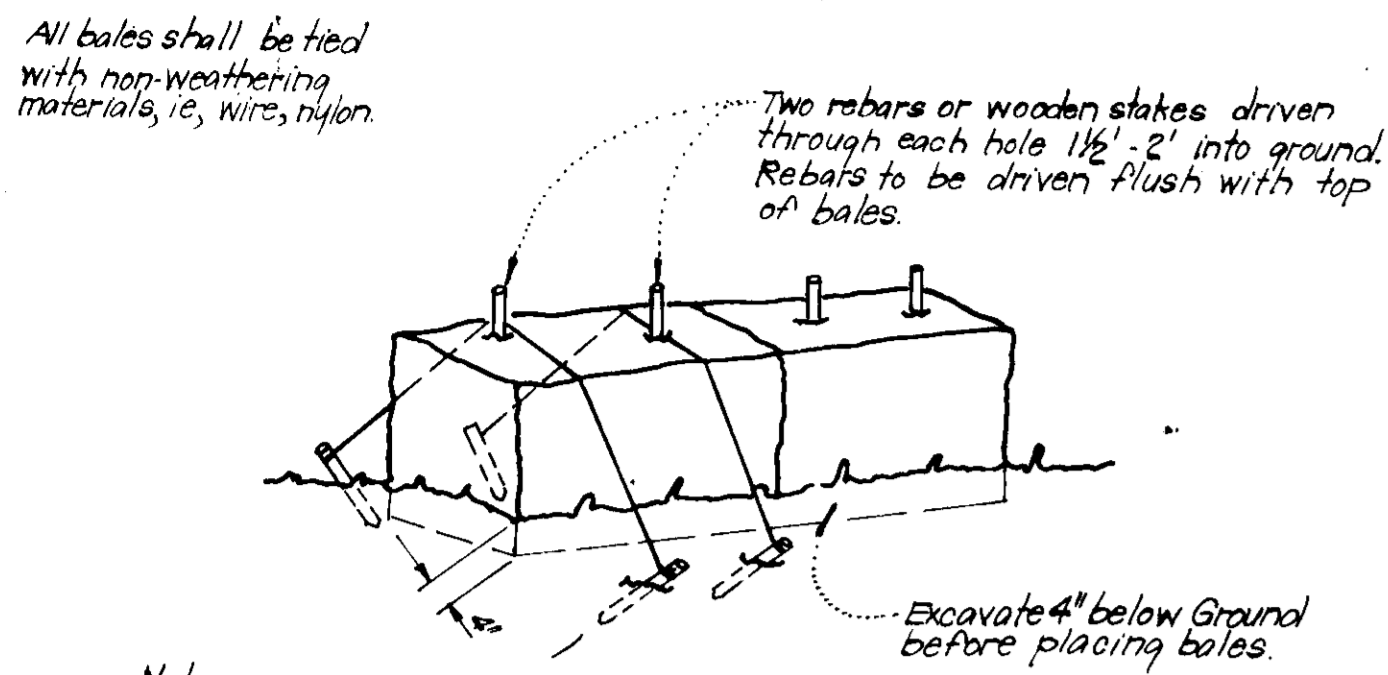
[Signature]
DATE: 11-6-79

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11145 LUKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED <i>R.J.S.</i>	SEDIMENT & EROSION CONTROL PLAN LOTS 37 THRU 40 & LOTS 88 THRU 101 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: AVERY HOMES, INC. 2000 Century Plaza, Suite 445 Columbia, Md. 21044 Apr., 1979	SCALE 1"=30'
DRAWN <i>K.I.W.</i>		DRAWING 2 of 3
CHECKED <i>R.J.S.</i>		JOB NO. 79-022
DATE		FILE NO. 79-0225E
Apr., 1979		

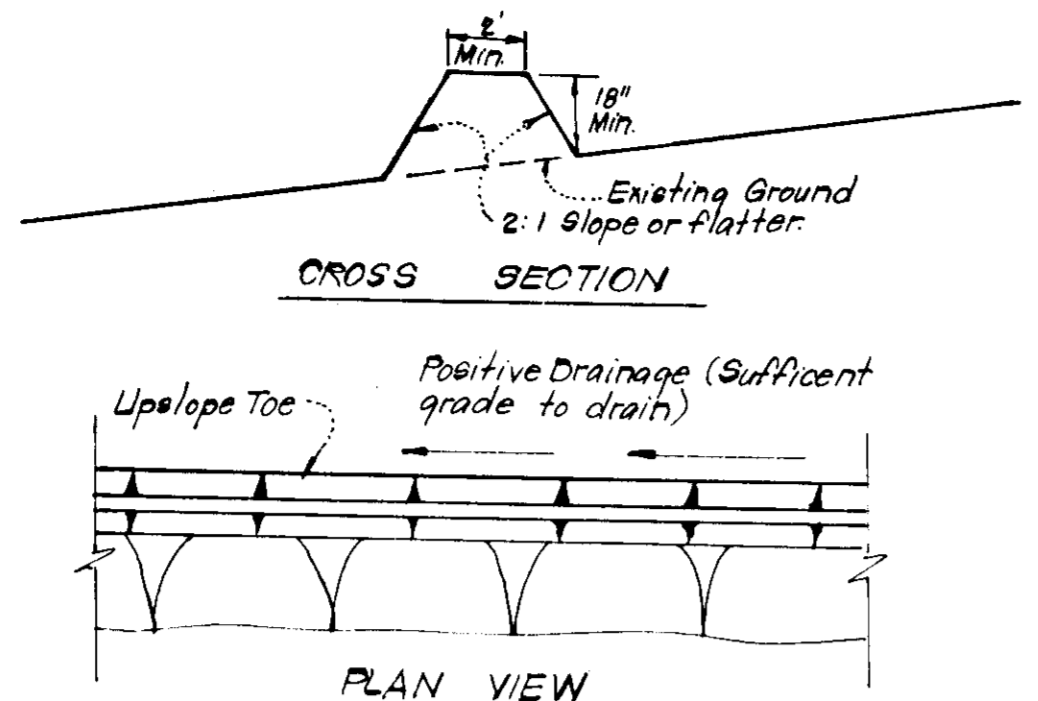
SDP-79-135c

GENERAL NOTES

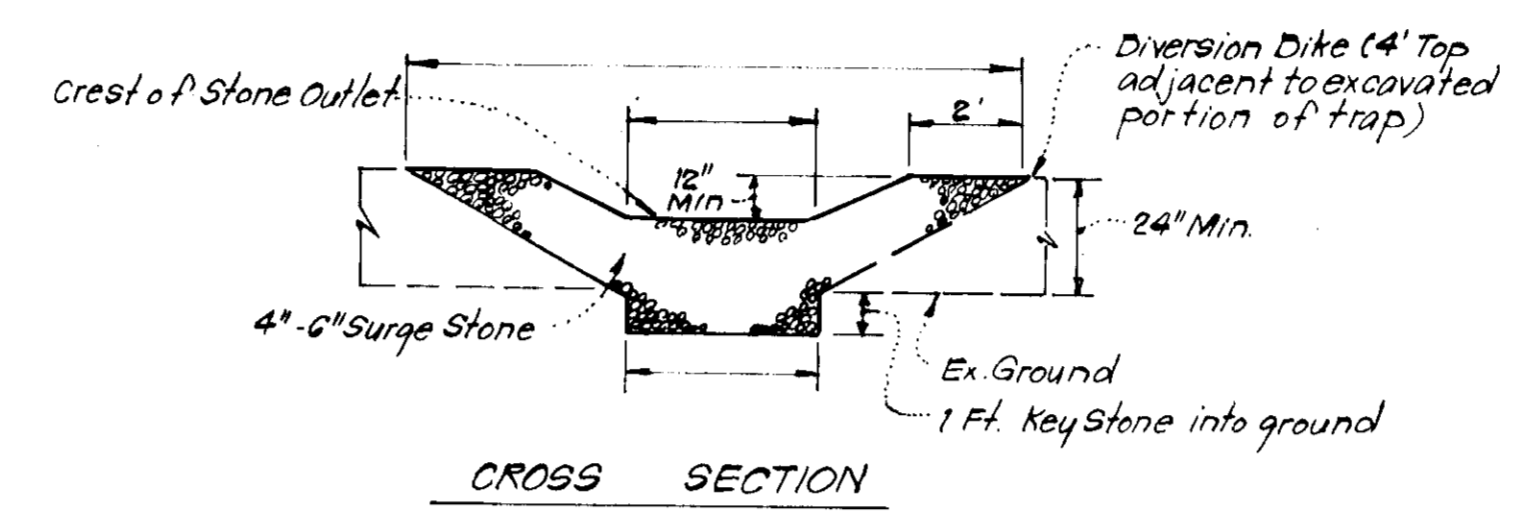
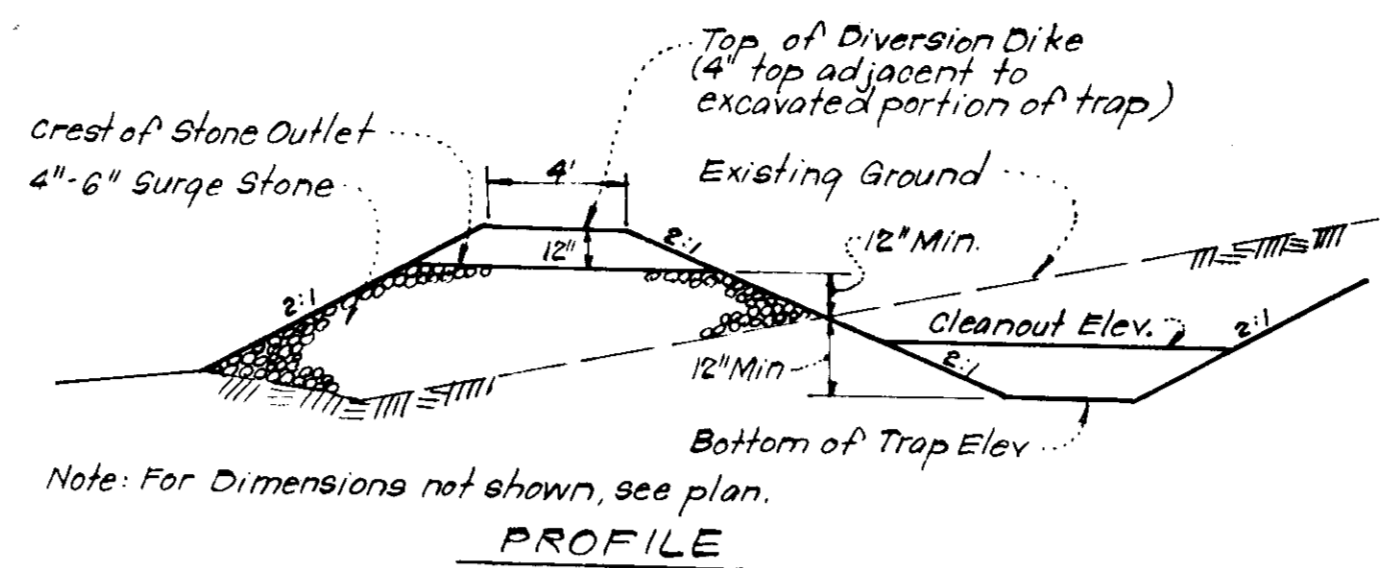
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization 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:
 A. Seed - certified 85% germination applied at the rate of 9 lbs/1000 s.f. Mixture - 40% Kentucky Blue, 20% Chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 B. Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 s.f. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 46 lbs/1000 s.f.
 C. Mulch - weed free grain straw applied at a rate of 46 lbs/1000 s.f. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.
 D. All Seed 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 = 770 LF
- SITE ANALYSIS:**
 A. Total Area: 4.55 Acres
 B. Area to be Roofed: 0.62 Acres
 C. Area to be Paved: 0.20 Acres
 D. Area to be Seeded: 1.95 Acres
 E. Area Undisturbed: 1.82 Acres
- CONSTRUCTION SEQUENCE:**
 A. Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 B. Excavate for Foundations and Rough Grade.
 C. Erect Structures, Drive ways and Sidewalks.
 D. 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

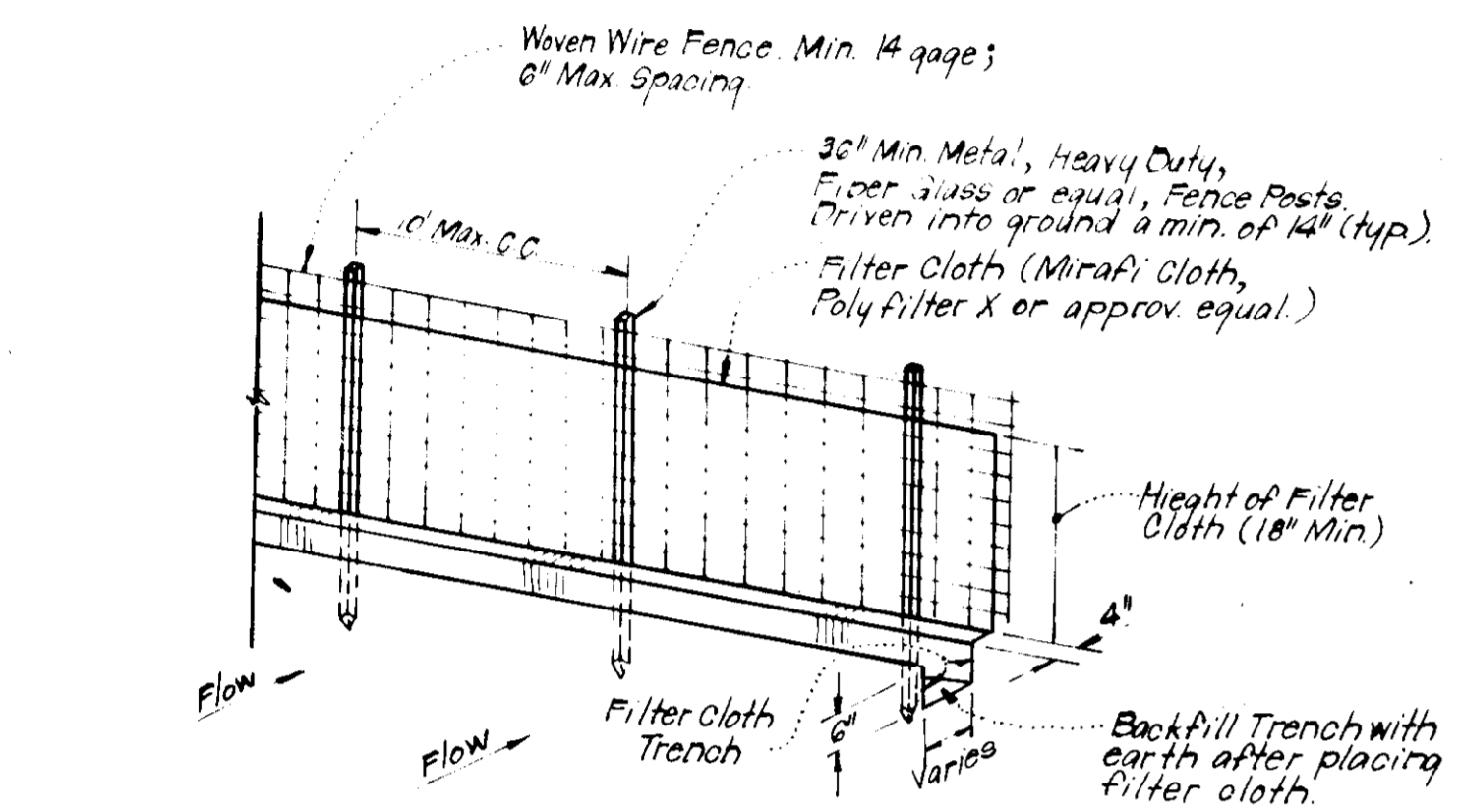


TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



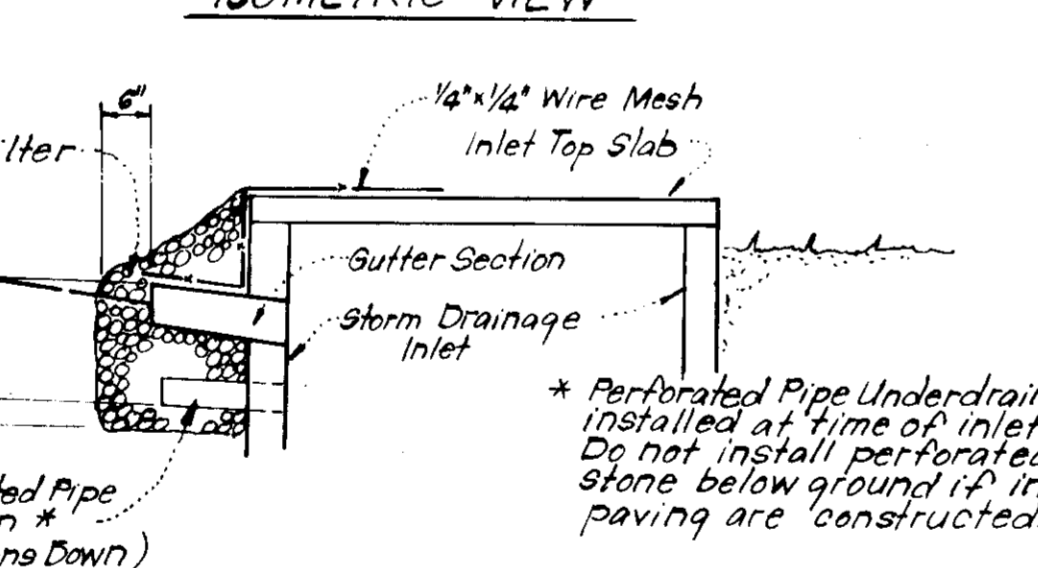
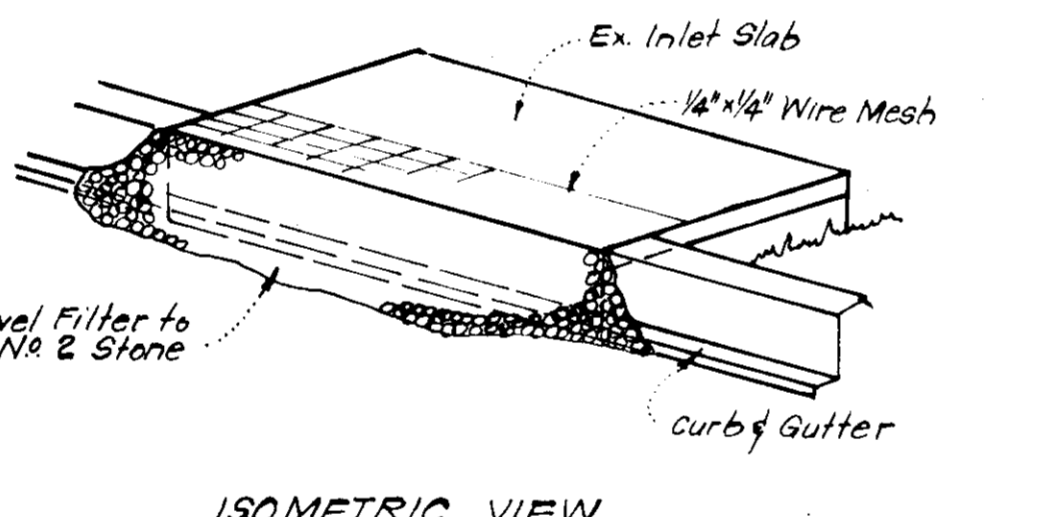
- Notes:**
- Sediment Trap to be cleaned out when sediment reaches a level of 1 ft below crest of stone outlet.
 - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 - Stone Outlet to be constructed through diversion dike adjacent to excavated portion of sediment trap.

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

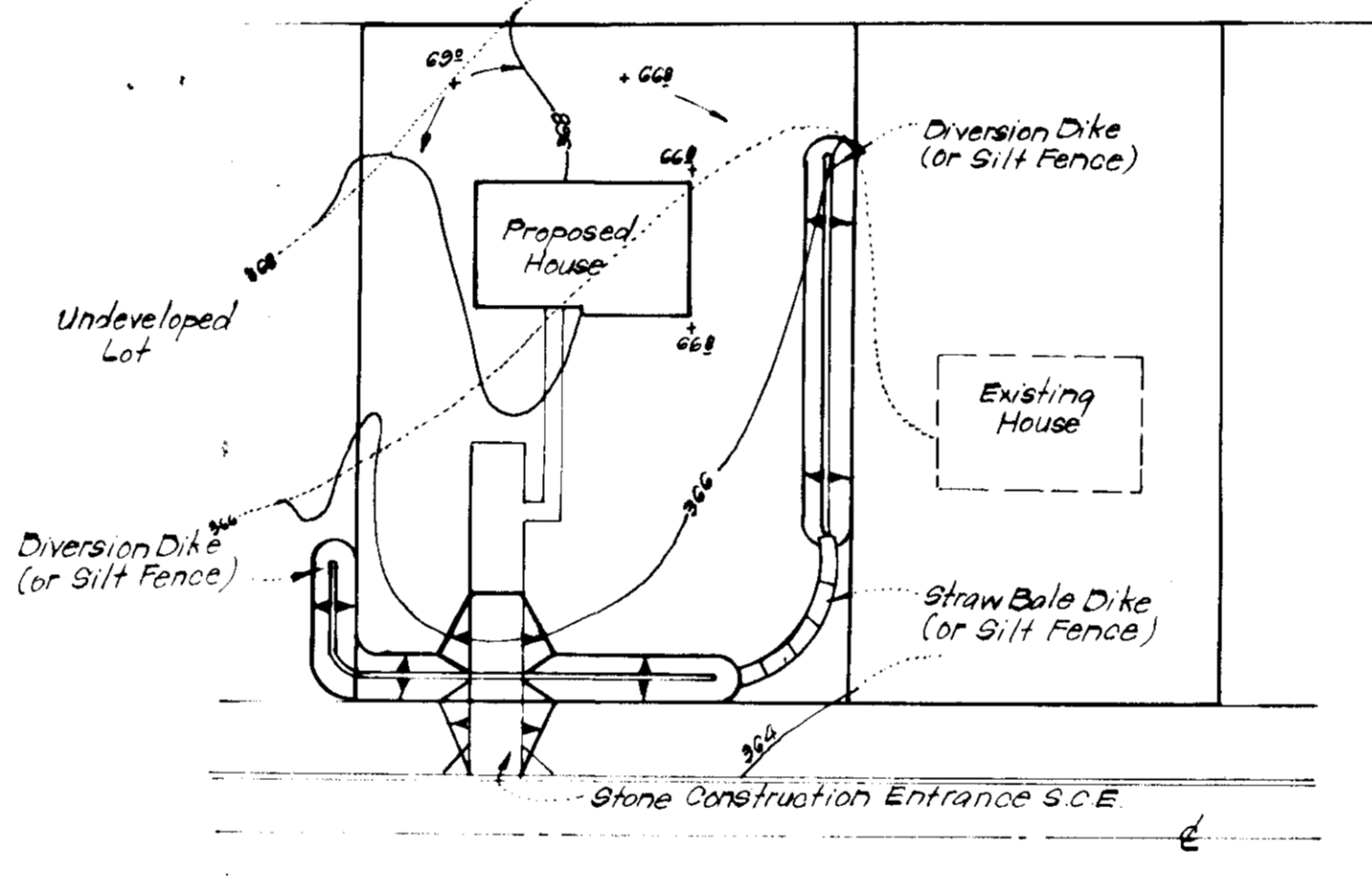


- Notes:**
- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 - Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24 inches.

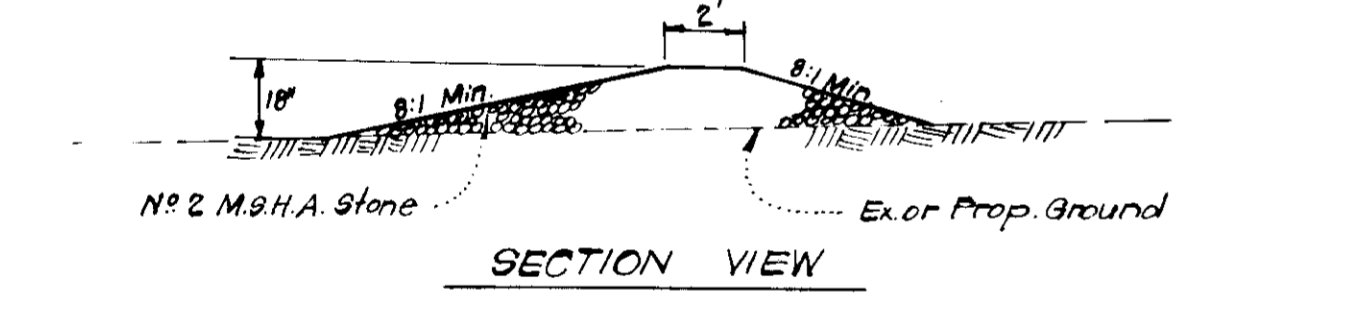
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



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

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 5-23-79
[Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 7-12-79
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 7-16-79
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 7-13-79
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 7/10/79
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 11/01/79
DATE

Reviewed for **HOWARD** S.C.D.
and meets Technical Requirements
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 CERTIFICATE
I certify that all development and/or construction
will be done according to this plan of development
and plan for Erosion and Sediment Control, and I also
authorize periodic on site inspection by the Howard
Soil Conservation District or their authorized agents
as are deemed necessary. Deviation from this plan
will not be made unless authorized by the Howard
Soil Conservation District.

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.



[Signature] 6-29-79
Approved Date

[Signature] 5/2/79
Signature Date

[Signature] 7-30-79
Signature Date

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11135 LEE WOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED R.S.	SCALE As Shown
DRAWN K.I.W.	DRAWING 30F3
CHECKED R.S.	JOB NO. 79-022
DATE Apr. 1979	FILE NO. 79-022SE
FOR: AVERY HOMES INC. 2000 Century Plaza, Suite 445 Columbia, Maryland 21044 SDP-79-135	