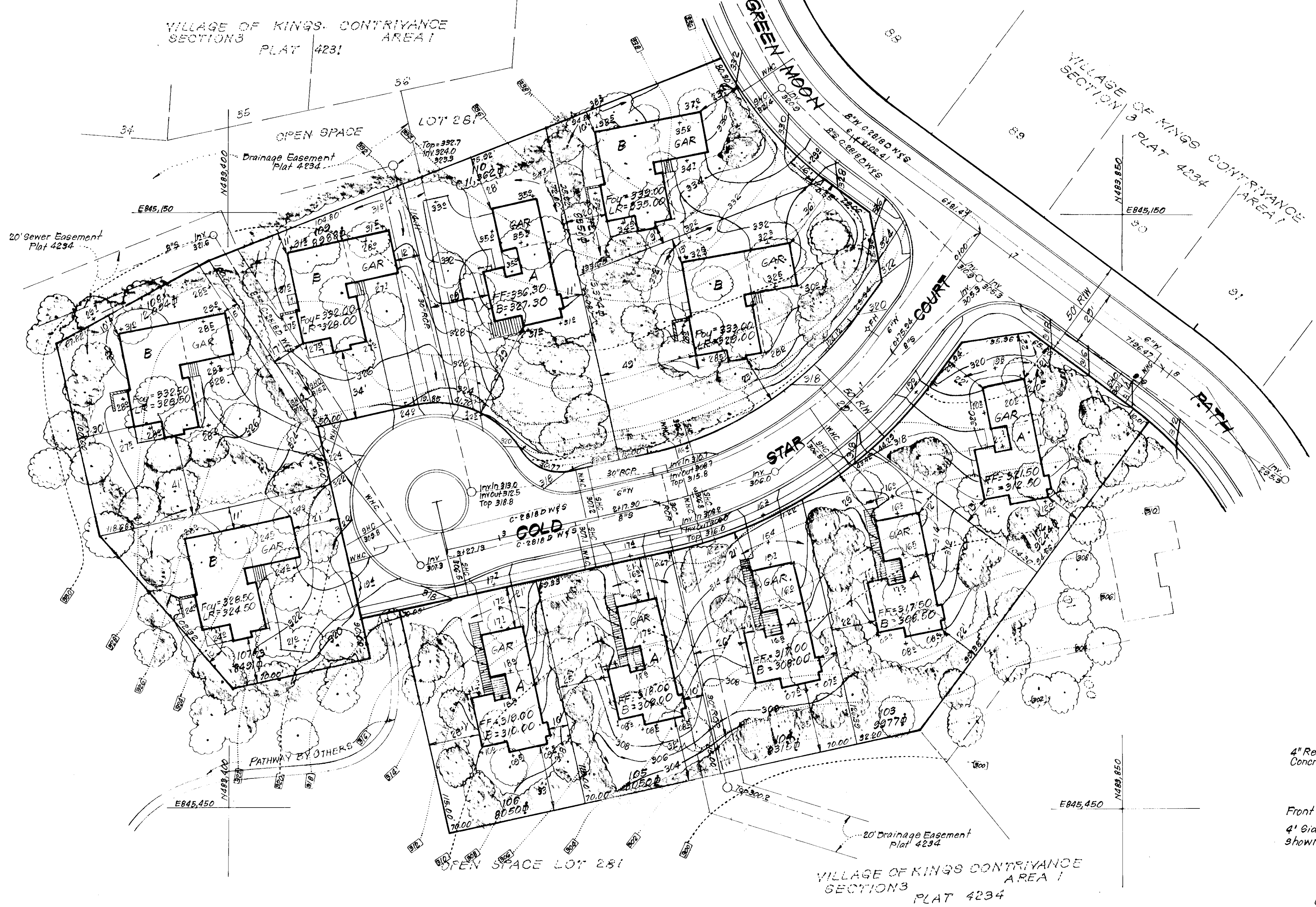


VICINITY MAP
Scale: 1"=2000'



GENERAL NOTES:

1. The Land included in this plan is zoned New Town (S.F.M.D.)
2. The Lots shown on this plan are covered by Final Development Plan Phase 163A Part I, Plat No 3054A, 162-176, Feb 8, 1972.
3. All coordinates are based on traverse controls for Columbia established by Maps Inc., in 1968 by Purdum & 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.
4. The area covered in this submission is located on Tax Map #42.
5. The total area included on this plan is 2.440 Acres.
6. All roadways are public & existing.
7. Any damage to county owned rights of way shall be corrected at the developer's expense.

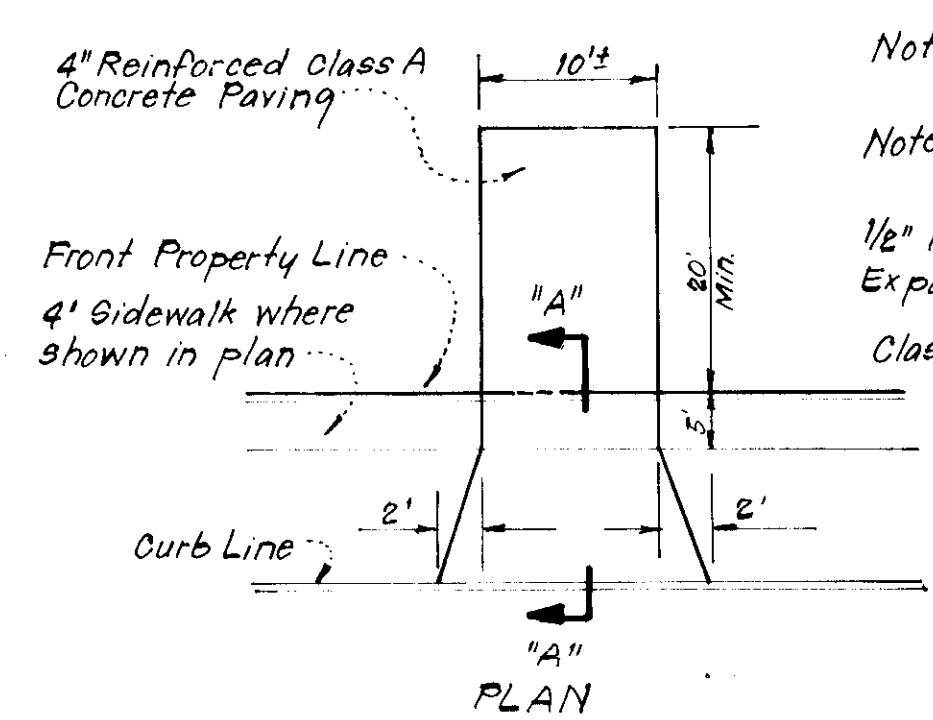
LEGEND:

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation + 10'
5. Direction of Drainage
6. Exist. Trees to be retained
7. Retaining Wall

Note: Generability of Basements on Lots 103-106 to be verified in field prior to construction.

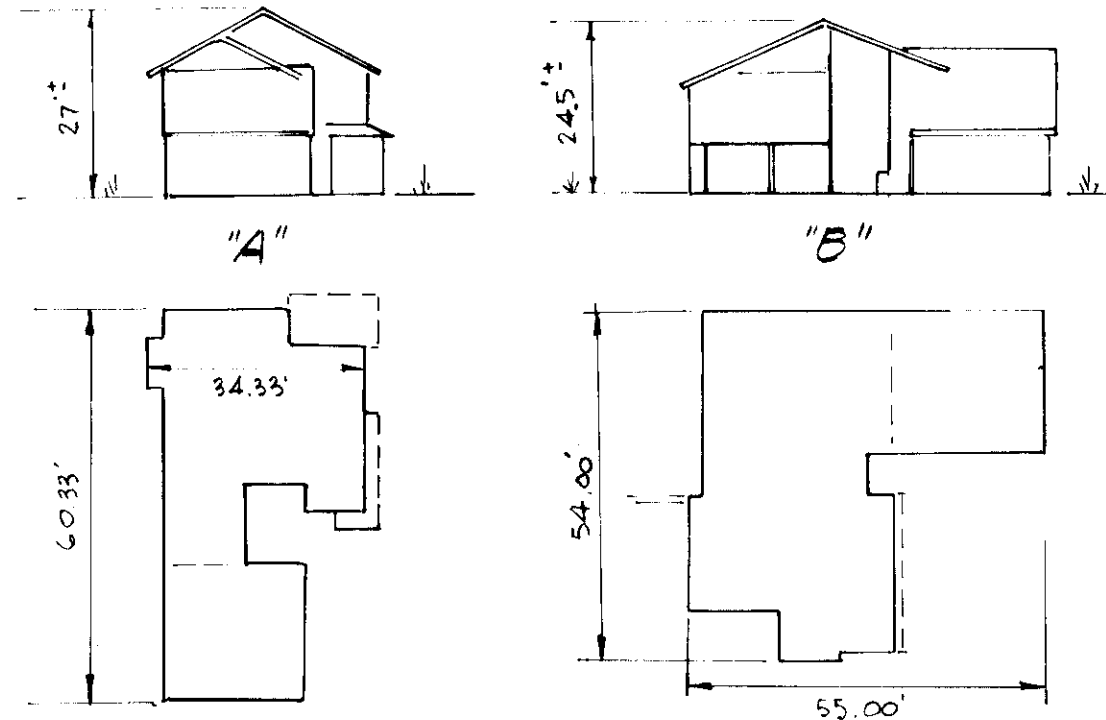
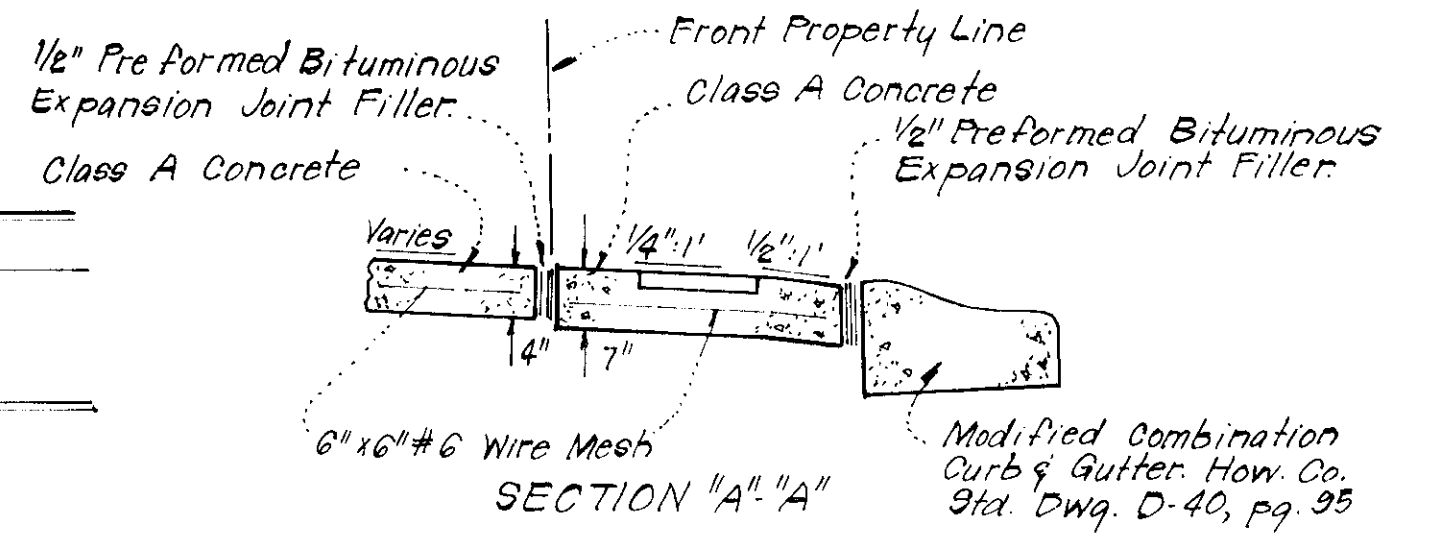
APPROVED
DIVISION OF LAND DEVELOPMENT

9-18-79

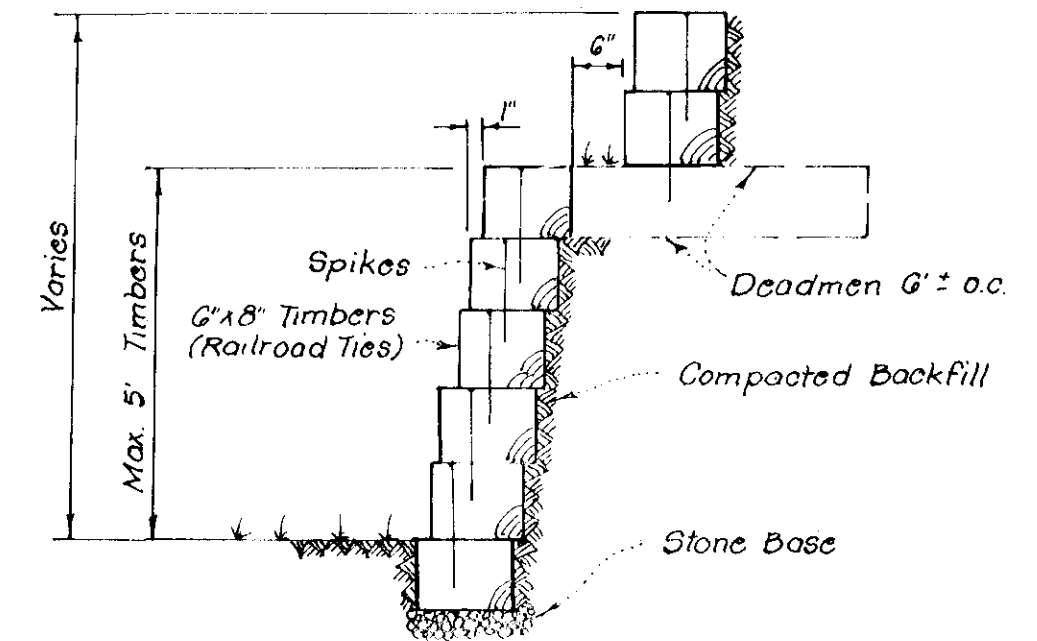


DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
No Scale

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.



TYPICAL HOUSES
No Scale

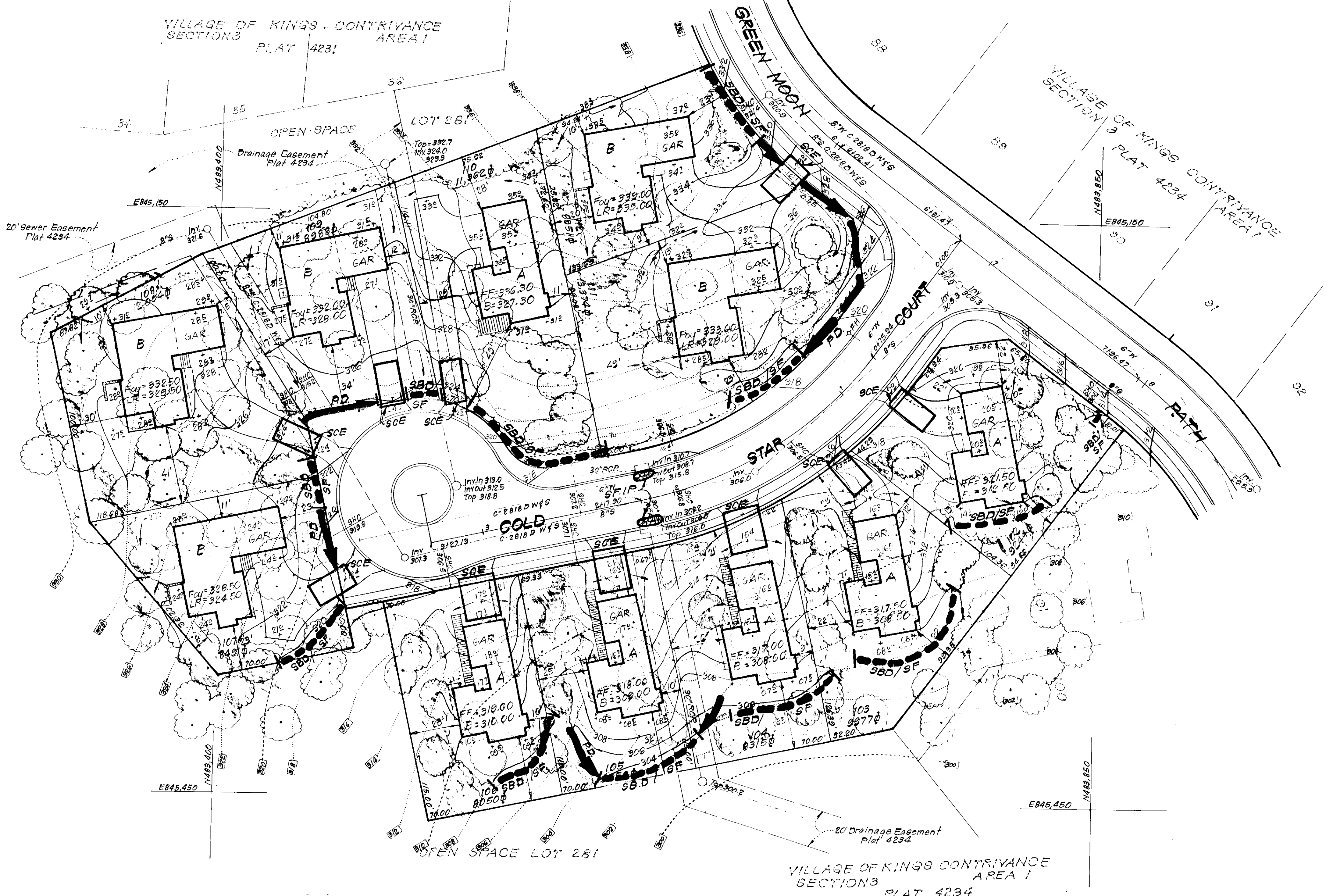
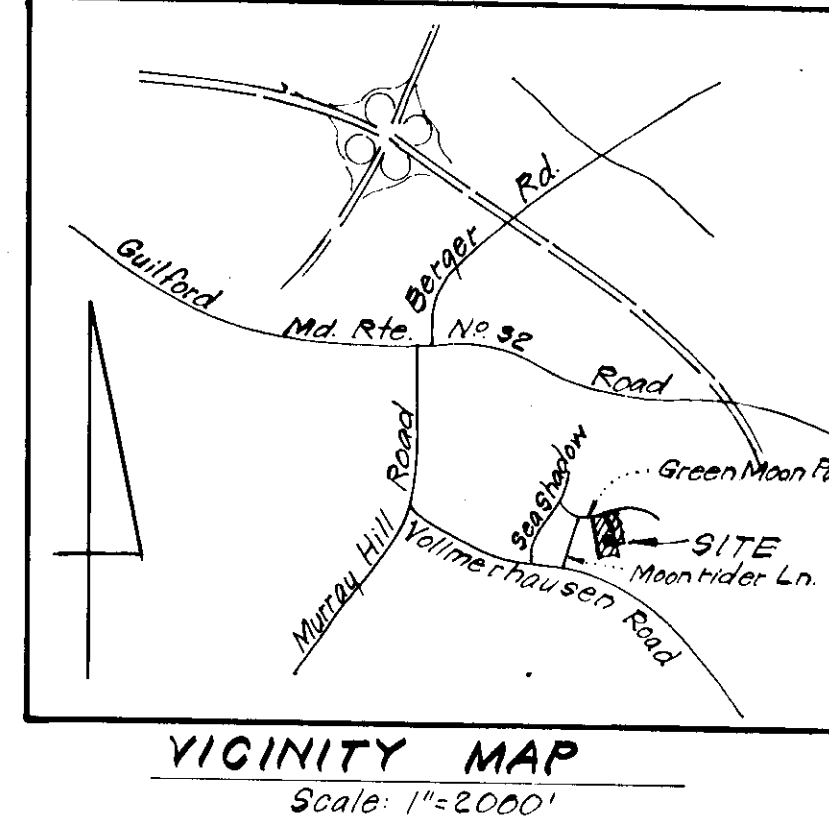


TIMBER RETAINING WALL
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE 10-10-79
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING	DATE 10-16-79
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE 10-16-79
DIRECTOR	DATE 10-16-79

Donald B. Sackett

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		SCALE 1"=30'
DESIGNED W.R.M.S.	SITE DEVELOPMENT PLAN LOTS 102 THRU 112 COLUMBIA	DRAWING 1043
DRAWN K.I.M.		JOB NO. 79-037
CHECKED W.R.M.S.	VILLAGE OF KINGS CONTRIVANCE SECTION 3 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 79-037-X
DATE Aug. 1979	FOR: ROBERT T. FOLEY, CO. 8401 Connecticut Ave Chevy Chase, Md 20015	



- LEGEND:**
- 1. Contour Interval 2 Ft.
 - 2. Existing Contour 310
 - 3. Proposed Contour 310
 - 4. Spot Elevation +105
 - 5. Direction of Drainage
 - 6. Exist. Trees to be retained
 - 7. Perimeter Dike P.D.
 - 8. Straw Bale Dike or Silt Fence S.B.D./S.F.
 - 9. Stone Filter Inlet Protection S.F.I.P.
 - 10. Stone Construction Entrance SCE

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 9-18-79
 JMM

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: James M. Koval, R.D. J.C. 15-10-79
 PLANNING DIRECTOR: [Signature] 10-16-79
 CHIEF DIVISION OF LAND DEVELOPMENT: [Signature] 10-16-79
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] 10-8-79
 CHIEF BUREAU OF ENGINEERING: [Signature]

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
 of James M. Koval 9/28/79
 Signature Date
 U.S. Soil Conservation Service

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

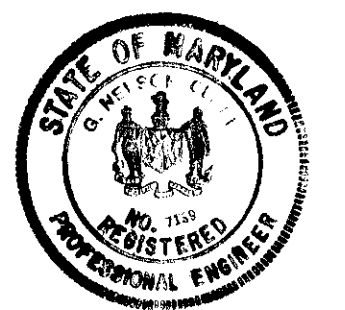
William T. Rowe 9/28/79
 Approval Date

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction
 has been done according to this plan of development,
 and that the plan for Erosion and Sediment Control, and all
 other measures for periodic on-site inspection by the Howard
 Soil Conservation District or their authorized agent,
 as are deemed necessary. Deviation from this plan
 will not be made unless authorized by the Howard
 Soil Conservation District.

Dan O'Donoghue 8-27-79
 Dan O'Donoghue 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.

G. Nelson Clark 8-10-79
 G. Nelson Clark Date



Note: For Bearings & Distances not shown see Plat 4234

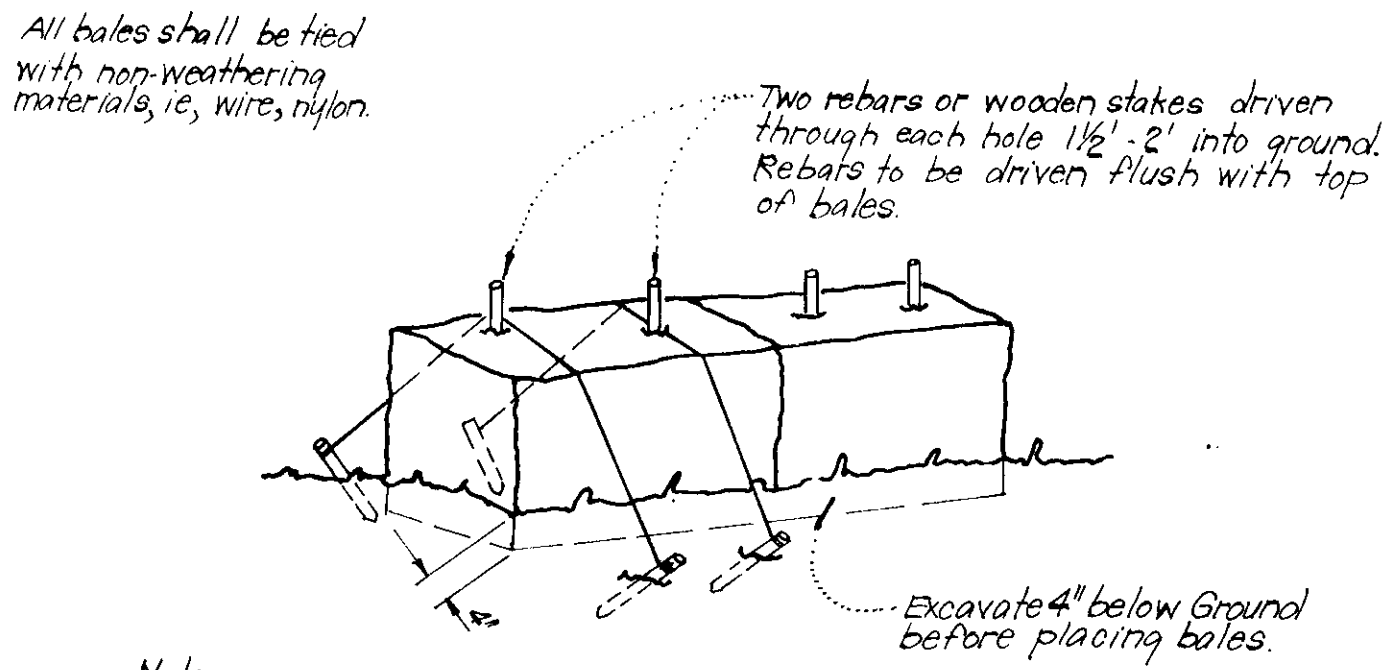
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED	J.L.S.	SCALE 1"=30'
DRAWN	K.I.M.	DRAWING 2 of 3
CHECKED	W.R.M.S.	JOB NO. 79-037
DATE	Aug. 1979	FILE NO. 79-0375E
SEDIMENT & EROSION CONTROL PLAN LOTS 102 THRU 112 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 GALE ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ROBERT T. FOLEY, CO. 8401 CONNECTICUT AVE Chevy Chase, Md 20015		

SPP-80-29c

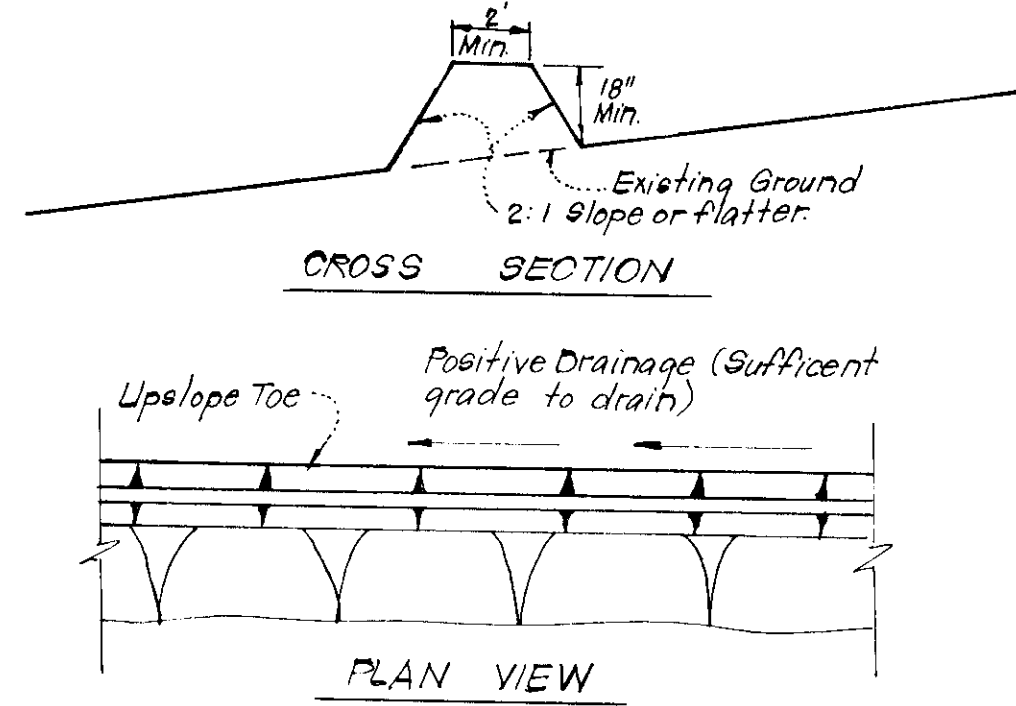
GENERAL NOTES

- 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% Chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 - 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.
 - 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.
 - 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 = 540 LF
- SITE ANALYSIS:

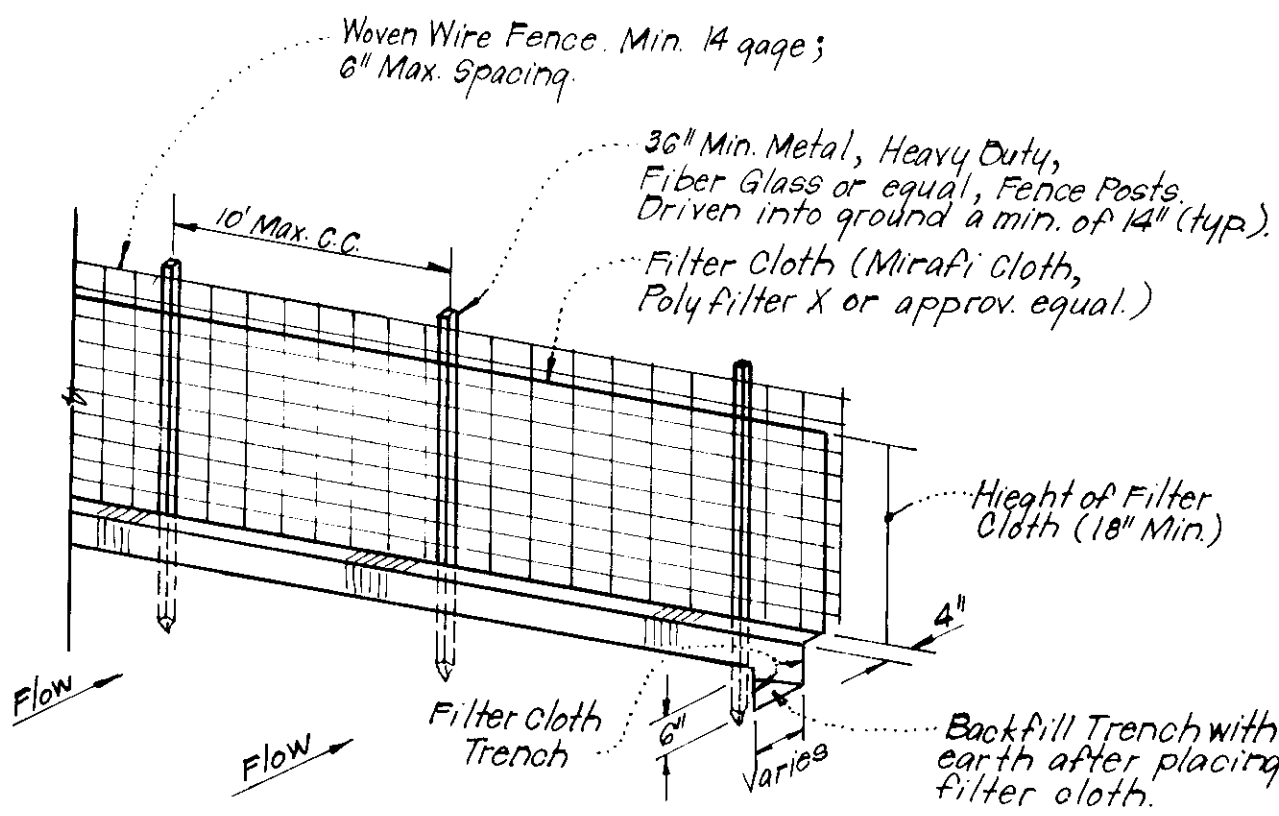
A. Total Area	2.440	Acres
B. Area to be Roofed	0.415	Acres
C. Area to be Paved	0.232	Acres
D. Area to be Seeded	1.182	Acres
E. Area Undisturbed	0.631	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Drive ways 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.



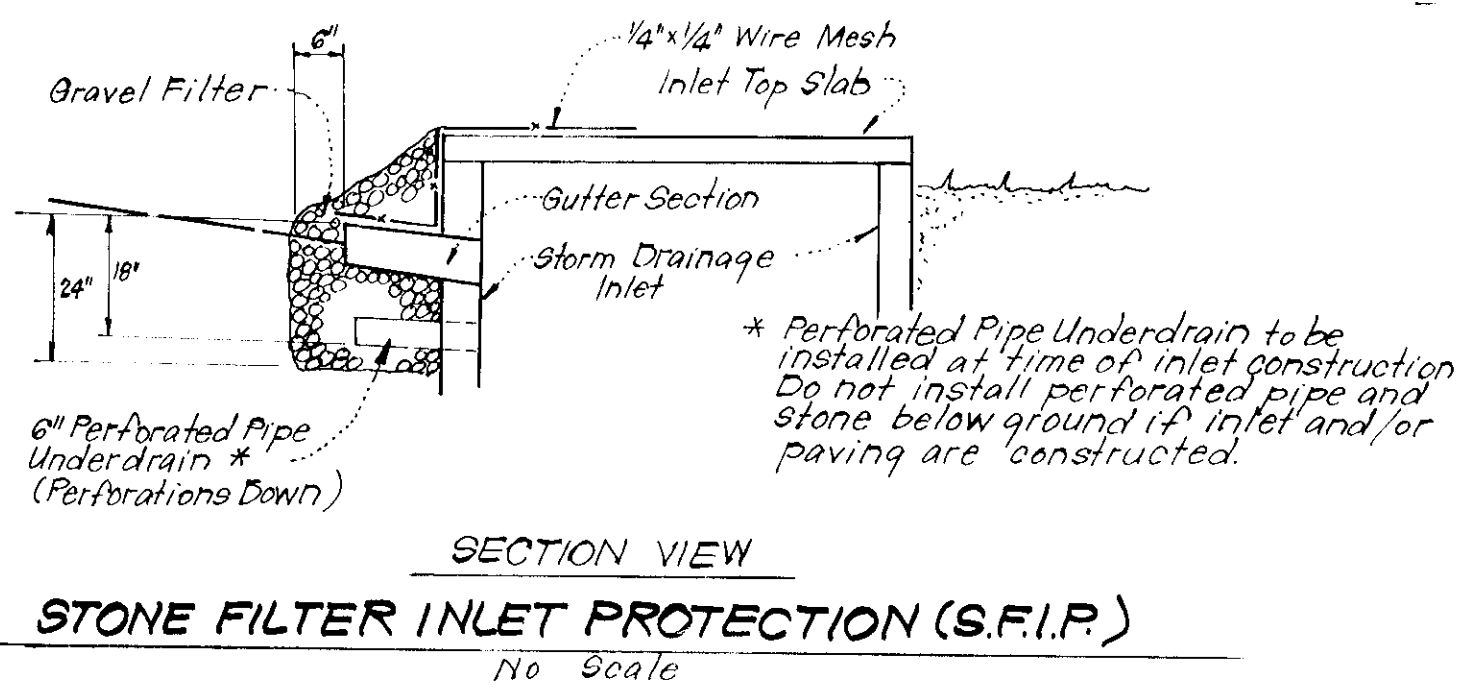
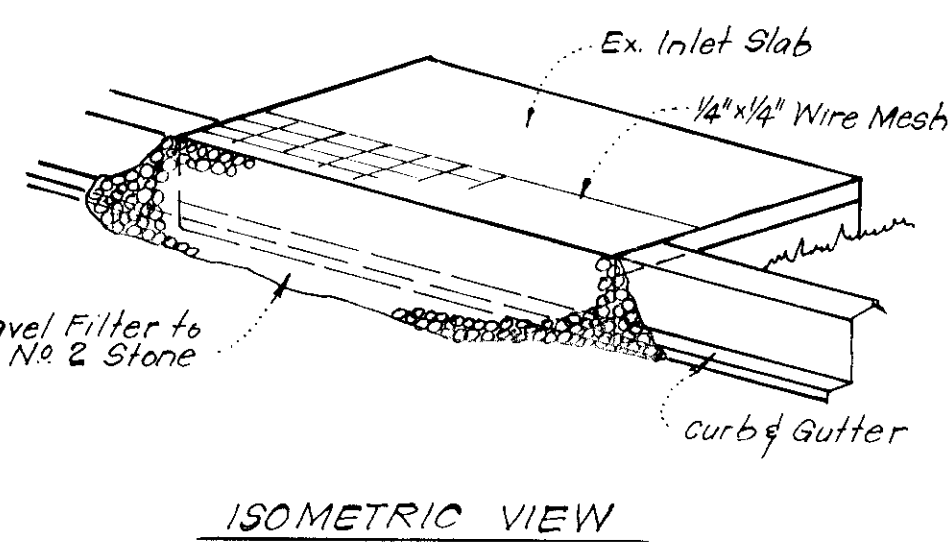
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



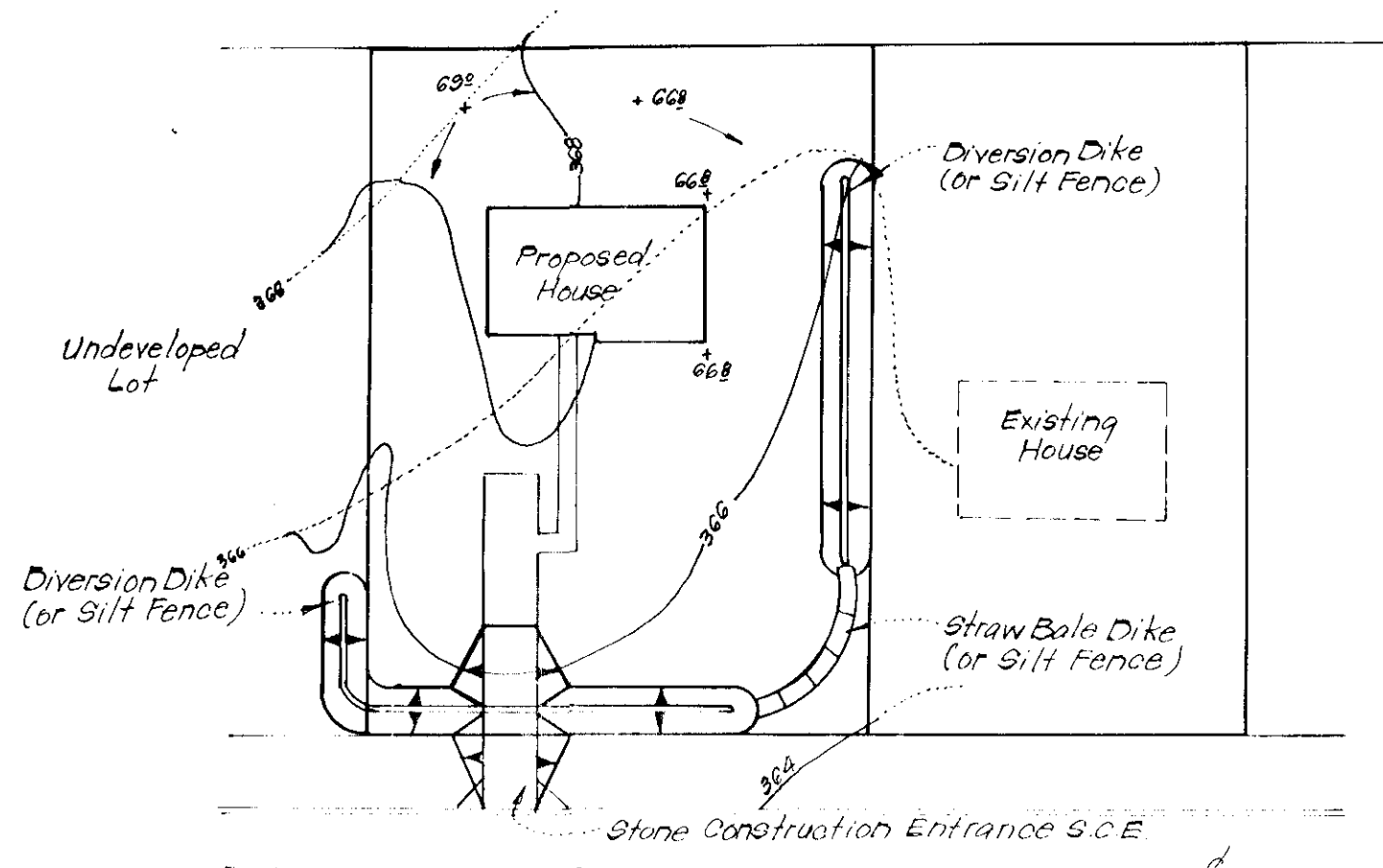
TYPICAL PERIMETER DIKE DETAIL (PD)
No Scale



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

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 9-18-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 10-10-79
COUNTY HEALTH OFFICER

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

PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT DATE

DIRECTOR DATE

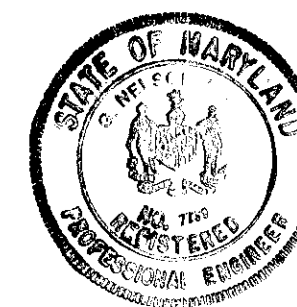
CHIEF BUREAU OF ENGINEERING DATE

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
James M. Nelson 9/28/79
Signature Date
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS REFERRED
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 the 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. Erosion 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.



William T. Rame 9/28/79
Approved Date

Dan O'Donoghue 8-9-79
Signature Date
Dan O'Donoghue

G. Nelson Clark 8-13-79
Signature Date
G. Nelson Clark

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 1105 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	W.R.M.C.	SCALE
DRAWN	K.I.W.	As Shown
CHECKED	J.L.S.	3 of 3
DATE	Aug, 1979	JOB NO.
		79-037
		FILE NO.
		79-037SE

SDP-80-29c