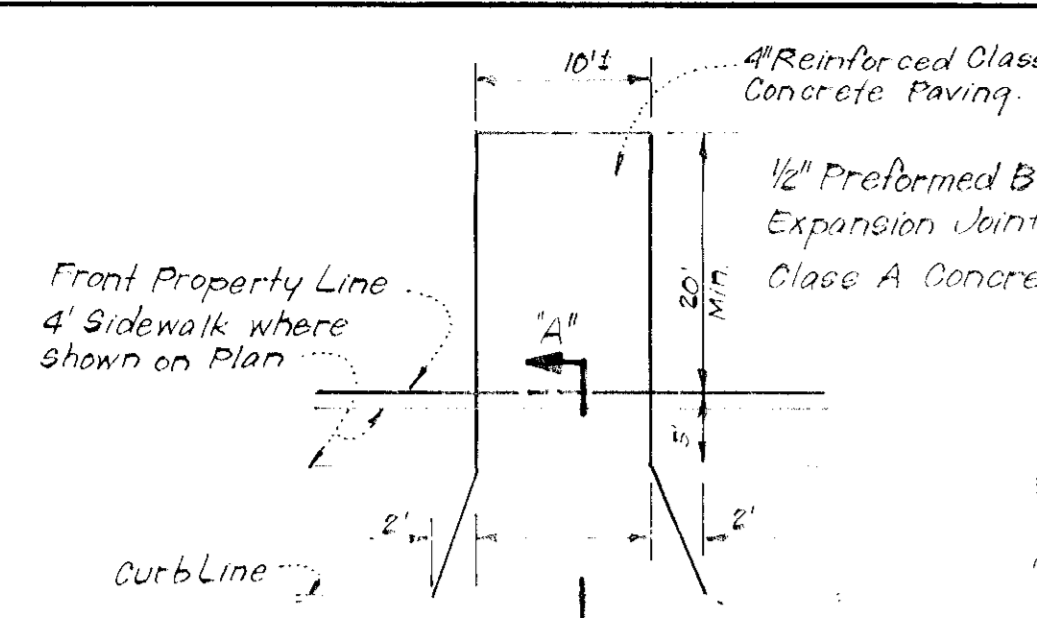
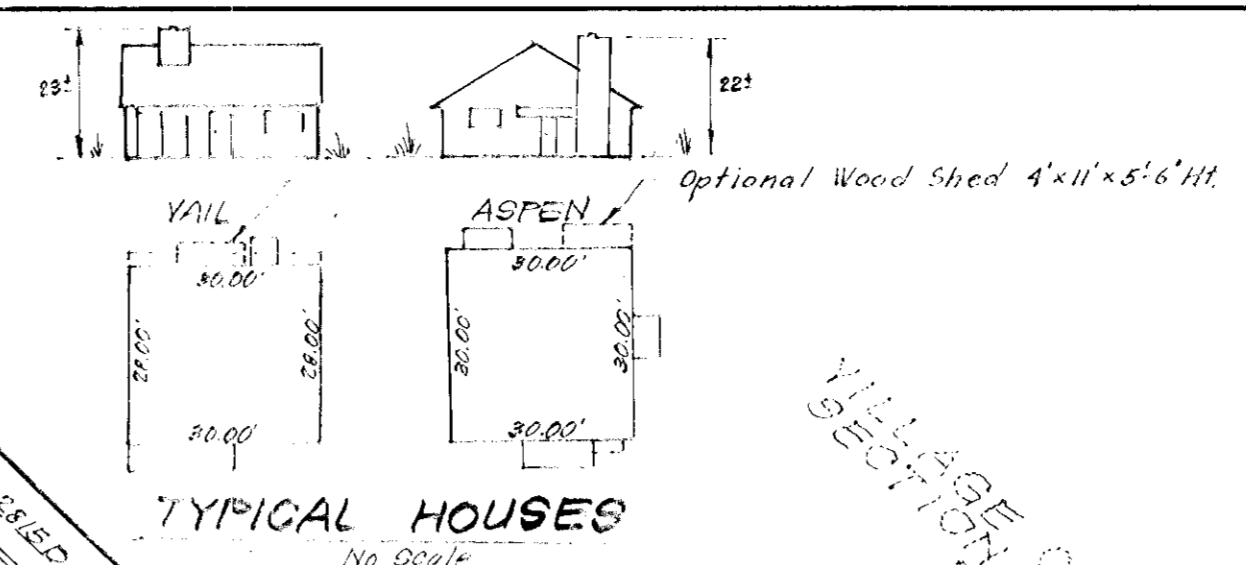


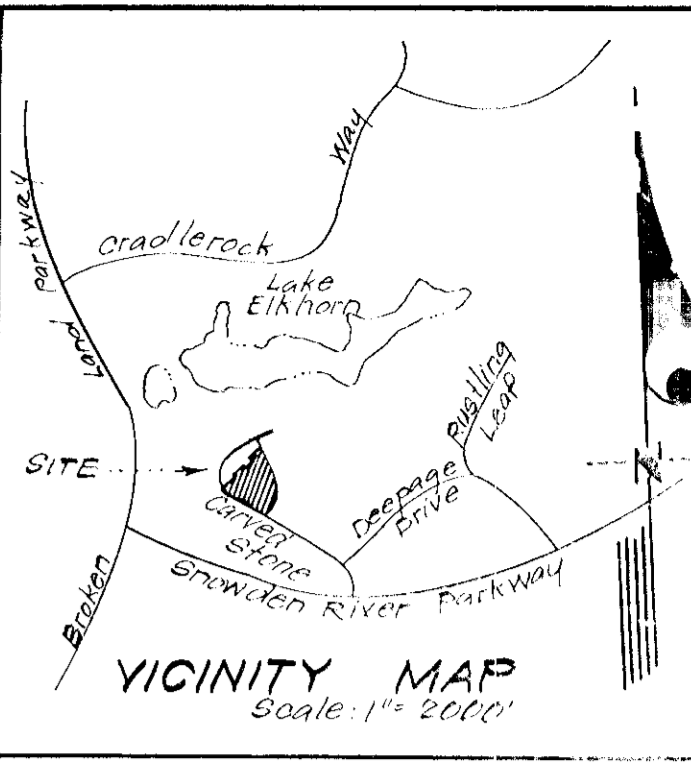
Lot No.	AREA (S.F.)
A-233	4548
A-234	4555
A-235	3969
A-236	3019
A-237	3773
A-238	4282
A-239	2979
A-240	6304
A-241	4232
A-242	4637
A-243	5563
A-244	6842
A-245	5010
A-246	2040
A-247	6391
A-248	4082
A-249	2780
A-250	2780
A-251	3870
A-252	3440
A-253	2795
A-254	4945
A-255	4264
A-256	3486
A-257	4089
A-258	3190
A-259	3300
A-260	3363
A-261	3924
A-262	5745
A-263	6465
A-264	3761
A-265	4067
A-266	4043
A-267	3042
A-268	4468
A-269	4855
A-270	3829
A-271	4854
A-272	3072
A-273	2016
A-274	3440
A-275	2621
A-276	3034
A-277	3702
A-278	4084
A-279	7580
A-280	5364



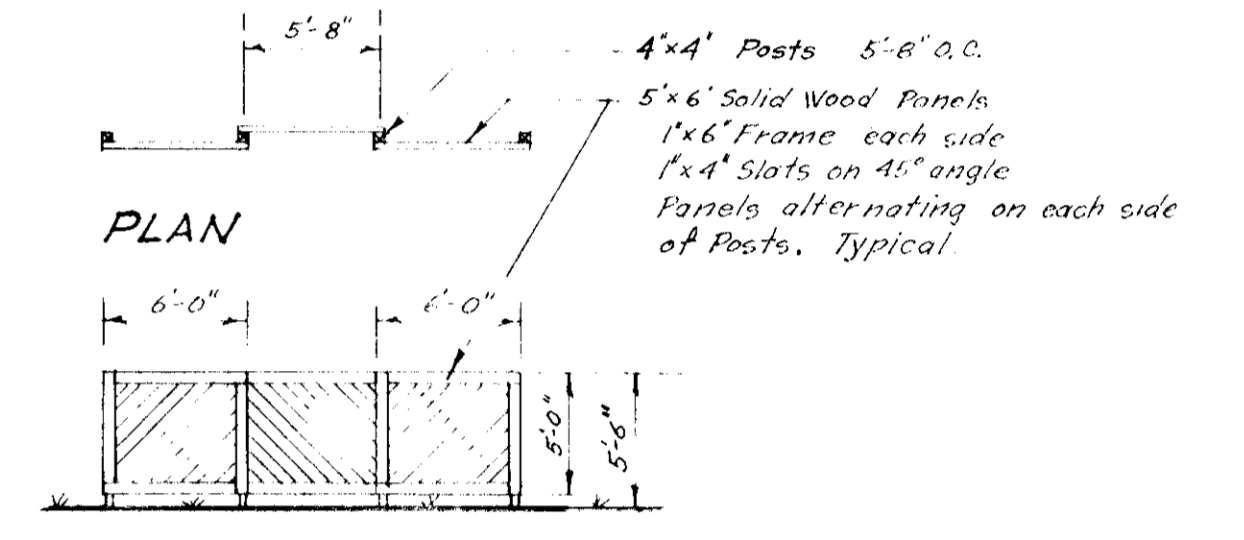
SECTION "A-A"



- LEGEND:**
1. Contour Interval 2 Ft.
 2. Existing Contour 340
 3. Proposed Contour 340
 4. Spot Elevation 440'
 5. Direction of Drainage
 6. Existing Storm Drain
 7. Existing Sewer Line
 8. Existing Water Line
 9. Retaining Wall (not exceeding 3' ht.)
 10. Proposed Fence - Solid, 5 1/2' Ht.

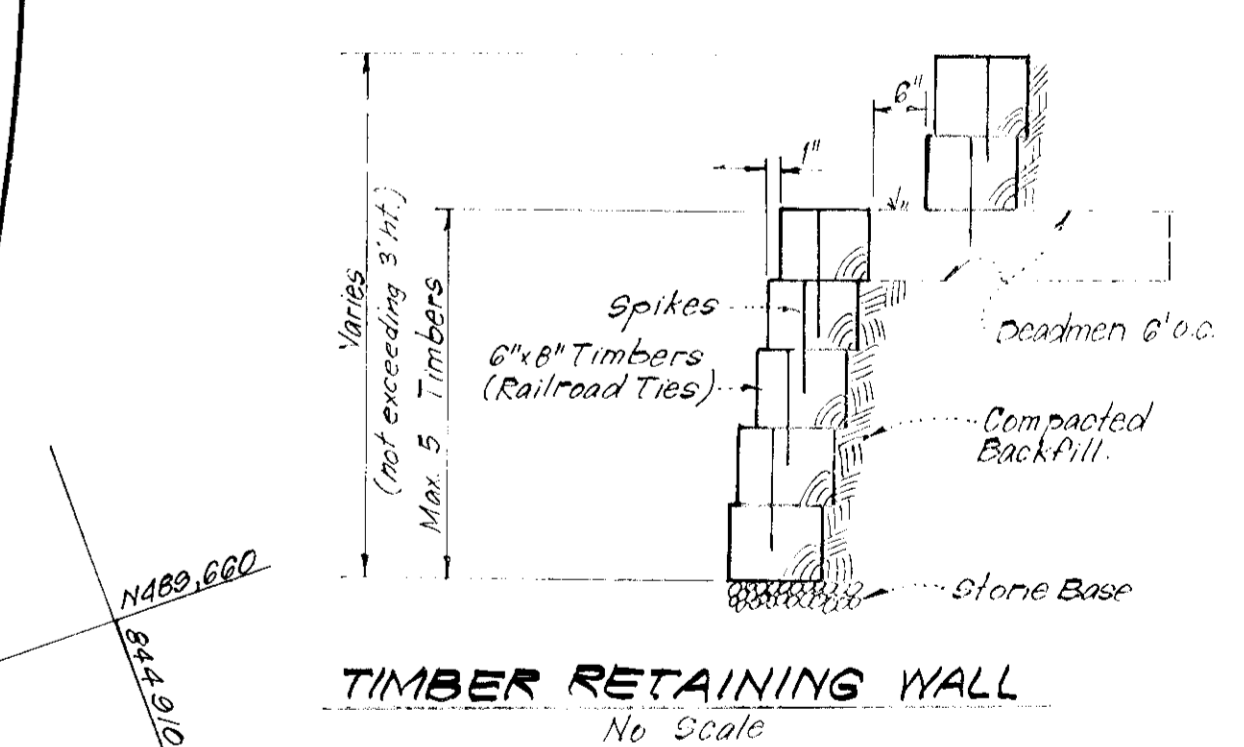


- GENERAL NOTES:**
1. The Land included in this plan is zoned New Town (Attached)
 2. The Lots shown in this plan are covered by Final Development Plan Phase 118 Part 1-A.
 3. All coordinates are based on traverse controls for Columbia established by Maps, Inc., in 1965 by Purdom & Associates in 1968 which controls were tied to Maryland Bureau of Control Survey monuments and to U.S. Coast and Geodetic Survey monuments in the Columbia area.
 4. The area covered in this submission is located on Tax Map No. 42.
 5. The total area included in this plan is 460 Acres.
 6. All roadways are public & existing.
 7. Any damage to county owned rights of way or paving shall be corrected at developers expense.
 8. No. of Units Shown: 48
 9. No. of Parking Spaces Provided: 96 (2/unit)



TYPICAL FENCE DETAIL

Signature: Donald B. Sackett
Date: 8-29-79



Note: Revision to Approved S.D.P. 79-129 c
Note: For Bearings and Distances of Individual Lots, See Plat 4383

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 10-3-79

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 10-3-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 10-3-79

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

13315 LOCKWOOD DRIVE, SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED BY: W.H.T.
DRAWN BY: K.L.W.
CHECKED BY: W.H.T.
DATE: Mar, 1979

SITE DEVELOPMENT PLAN
LOTS A-233 THRU A-280
COLUMBIA
VILLAGE OF OWEN BROWN
SECTION 2 AREA 1
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: THE RYLAND GROUP INC. (Col. Div.)
Suite 200 V.O.M. OFFICE Bldg.
Columbia, Maryland, 21044

SCALE: 1" = 30'
DRAWING: 1 of 3
JOB NO.: 79-008
FILE NO.: 79-008-X
S.D.P. 80-13 c

Lot No.	Area (S.F.)
A-233	4528
A-234	6155
A-235	3963
A-236	3019
A-237	3773
A-238	4282
A-239	2979
A-240	6364
A-241	4232
A-242	4037
A-243	5583
A-244	6242
A-245	5010
A-246	2940
A-247	6391
A-248	4082
A-249	2790
A-250	2730
A-251	3870
A-252	3440
A-253	2795
A-254	4355
A-255	4264
A-256	3486
A-257	4099
A-258	3130
A-259	3300
A-260	3383
A-261	3324
A-262	5745
A-263	6485
A-264	3761
A-265	4087
A-266	4043
A-267	3042
A-268	4468
A-269	4655
A-270	3829
A-271	4854
A-272	3472
A-273	2016
A-274	3441
A-275	2021
A-276	3294
A-277	3702
A-278	4092
A-279	7580
A-280	6304

Reviewed for... S.C.D.
Name
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.

William J. Rene
Approved
Date 4/25/79

DEVELOPER'S CERTIFICATE

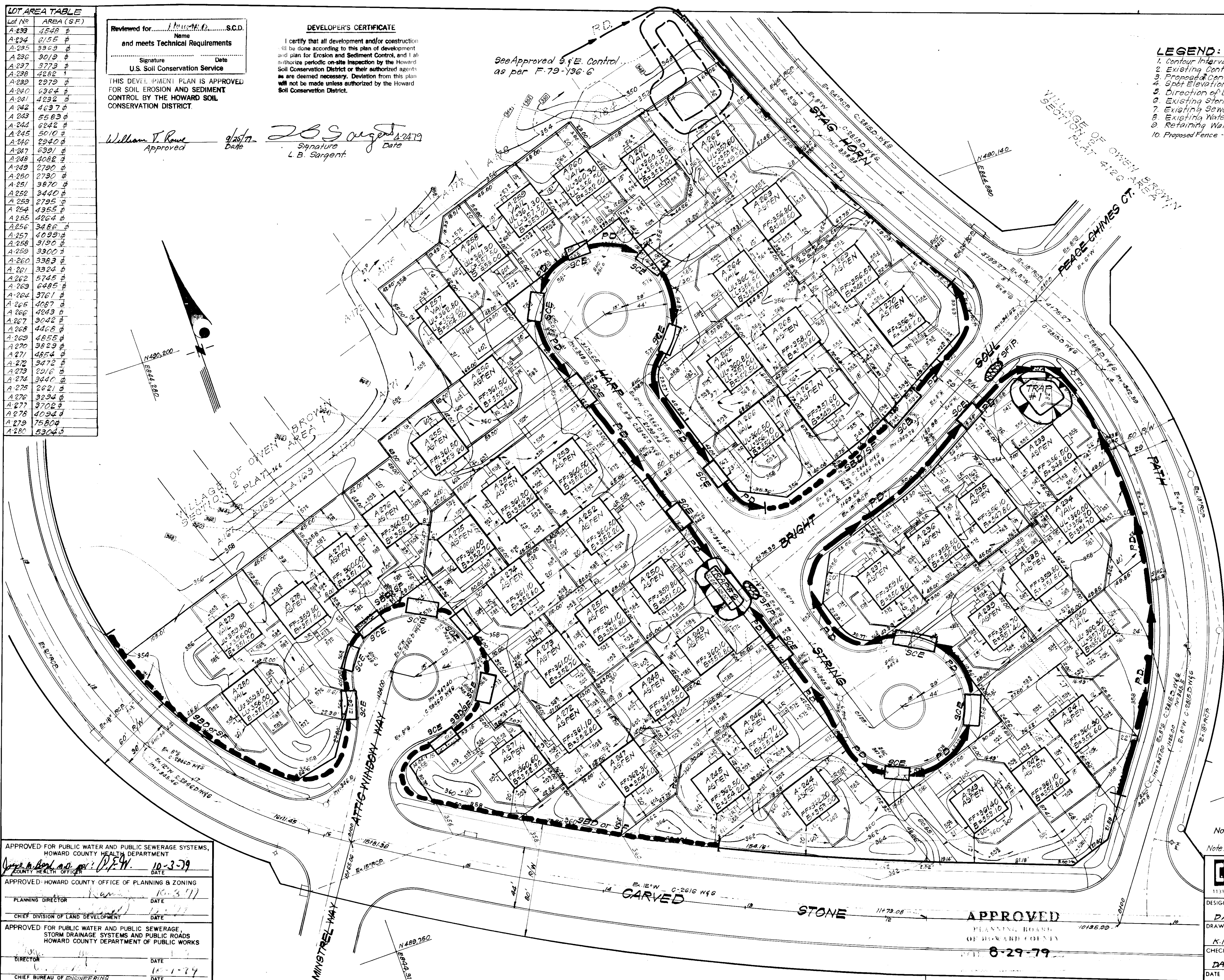
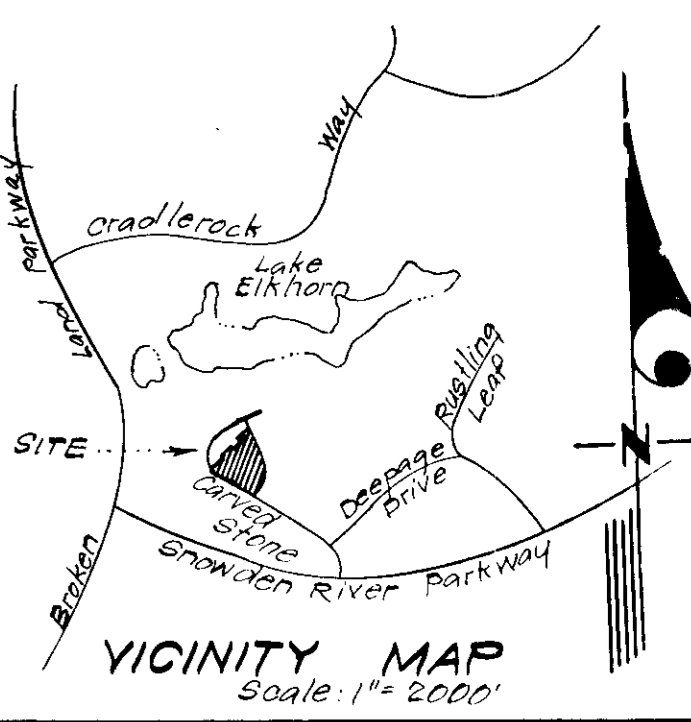
I certify that all development and/or construction
will be done according to this plan of development
and plan for Erosion and Sediment Control, and I will
authorize periodic on-site inspection by the Howard
Soil Conservation District or their authorized agents
as are deemed necessary. Deviation from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

L.B. Sargent
Signature Date 4/24/79

See Approved S&E Control
as per F-79-196-C

LEGEND:

1. Contour Interval 2' F.T.
2. Existing Contour 340
3. Proposed Contour 340
4. Spot Elevation +40.5
5. Direction of Drainage
6. Existing Storm Drain
7. Existing Sewer Line
8. Existing Water Line
9. Retaining Wall (not exceeding 3' ht.)
10. Proposed Fence - Solid, 5' Ht.



TRAP #1 (S.O.S.T. Pg. 20.07 Dwg. ST-3)
DA = 1,042
Volume Required 1800 c.f.
Volume Available 1850 c.f.
Bottom Elev. 350.5
Top of Crest Elev. 354.0
Bottom Dimensions: 22' x 25' x 2.5' Deep

TRAP #2 (S.I.S.T. Pg. 20.08 Dwg. ST-4)
DA = 1,114
Volume Required 1800 c.f.
Volume Available 2040 c.f.
Bottom Elev. 352.5
Bottom Dimensions: 33' x 11' x 3' deep

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
Signature Date 7-27-78

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



Note: Revision to Approved S.D.P. 75-125-C
Note: For Bearings and Distances of Individual Lots, See Plat 4353

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER DATE 10-3-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE 10-3-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR DATE 10-1-79

CHIEF BUREAU OF ENGINEERING DATE

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

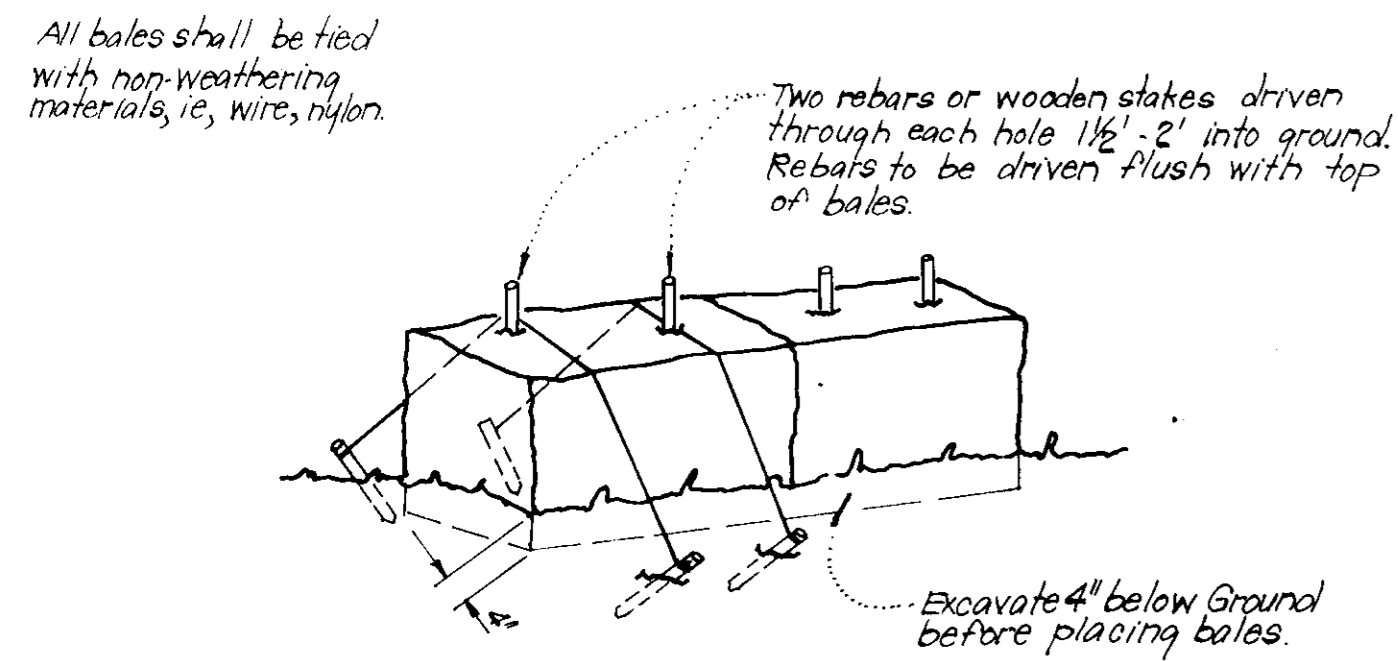
DESIGNED BY DAB
DRAWN BY K.I.W.
CHECKED BY DAB
DATE APR 1979

SEDIMENT & EROSION CONTROL PLAN
LOTS A-233 THRU A-280
COLUMBIA
VILLAGE OF OWEN BROWN
SECTION 2 AREA 1
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: THE RYLAND GROUP INC. (Col. Div.)
Suite 200, Y.O.M. Office Bldg.,
Columbia, Maryland, 21044
SDP 80-13c

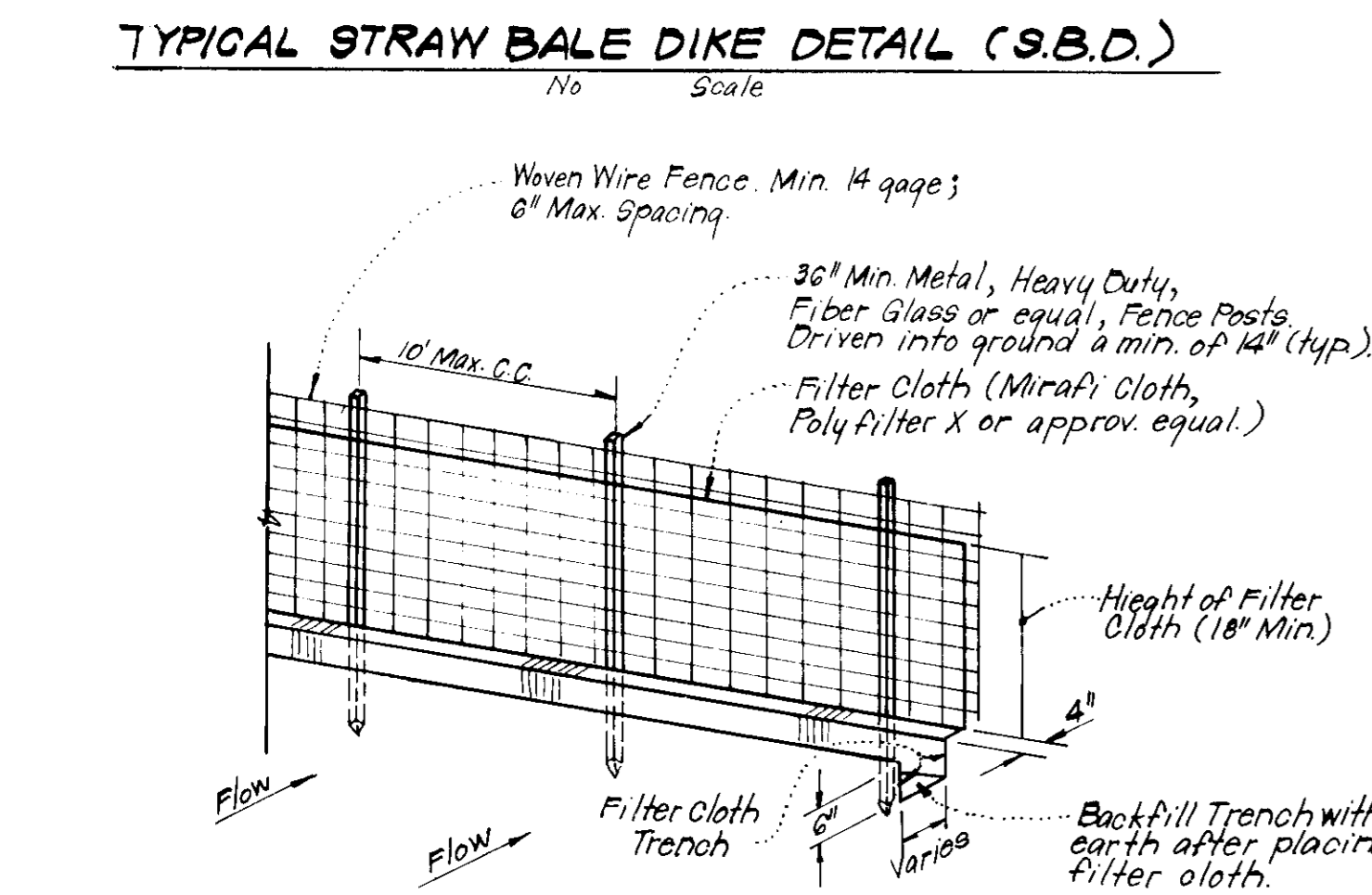
SCALE 1" = 30'
DRAWING 2 of 3
JOB NO. 79-008
FILE NO. 79-008 SE

GENERAL NOTES

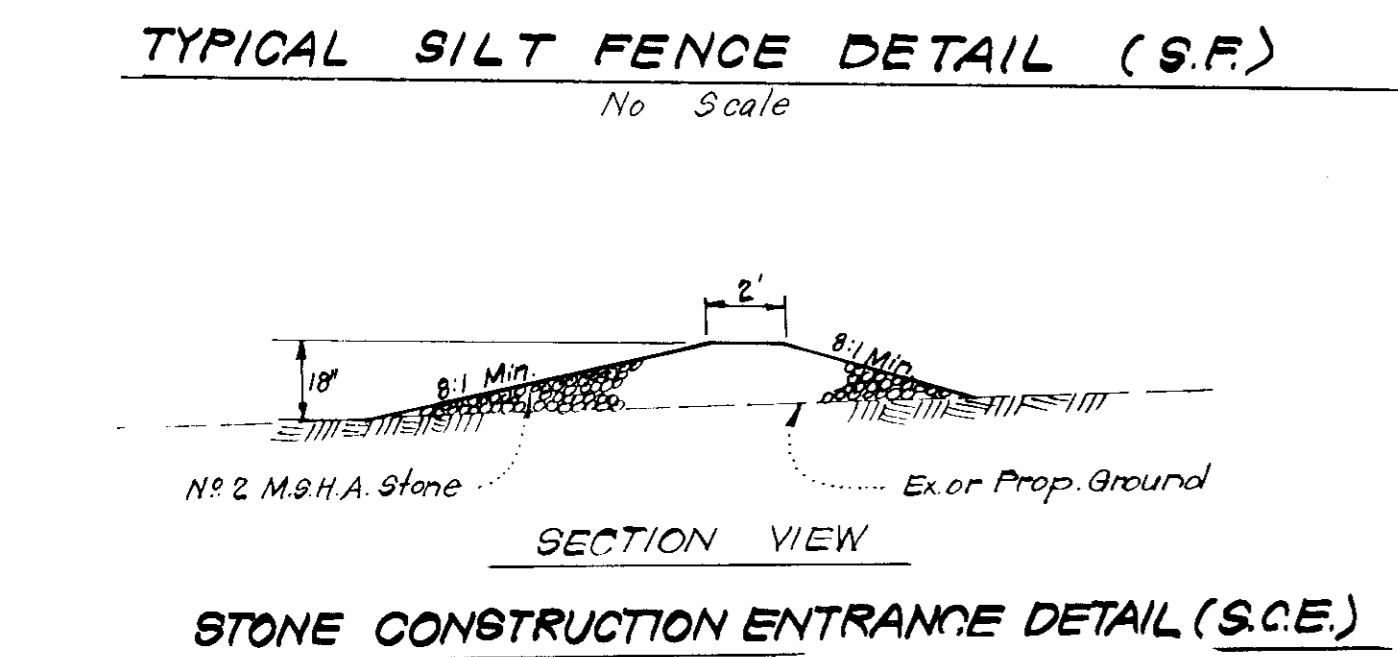
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 sq ft.
- 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 3 lbs/1000 sq ft. 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 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 46 lbs/1000 sq ft.
 C. Mulch - Weed free grain straw applied at a rate of 46 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method ie; asphalt tacks, chemical binder, etc.
 D. 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 = 580 LF
- SITE ANALYSIS:
 A. Total Area: 4.6 Acres
 B. Area to be Roofed: 1.0 Acres
 C. Area to be Paved: 0.6 Acres
 D. Area to be Seeded: 3.0 Acres
 E. Area Undisturbed: 0 Acres
- CONSTRUCTION SEQUENCE:
 A. Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 B. Excavate for Foundations and Rough Grade.
 C. Erect Structures, Driveways 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.



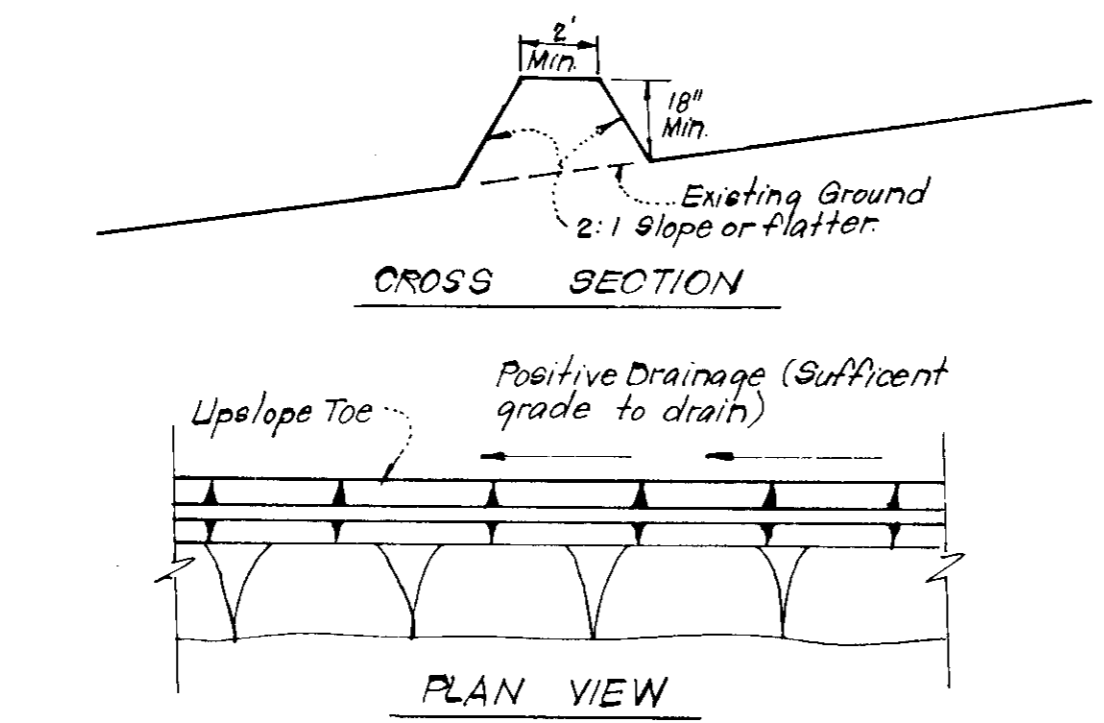
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



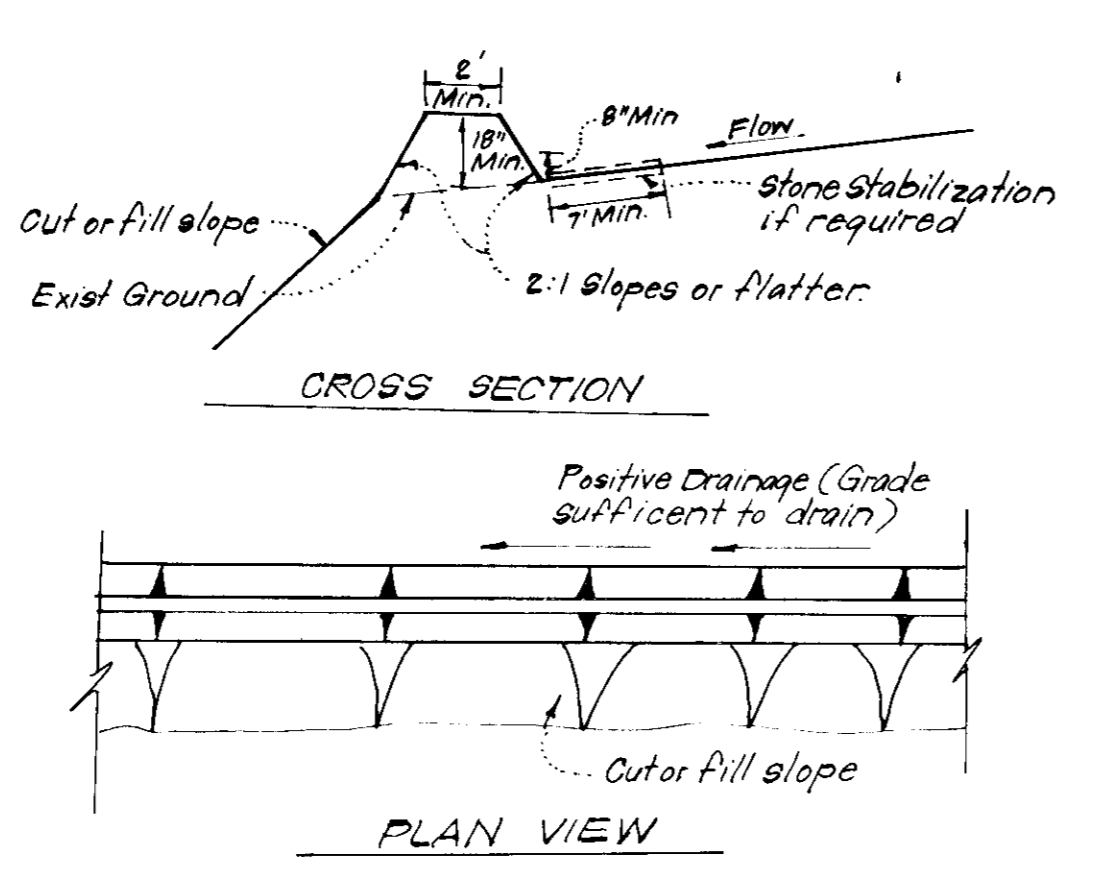
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



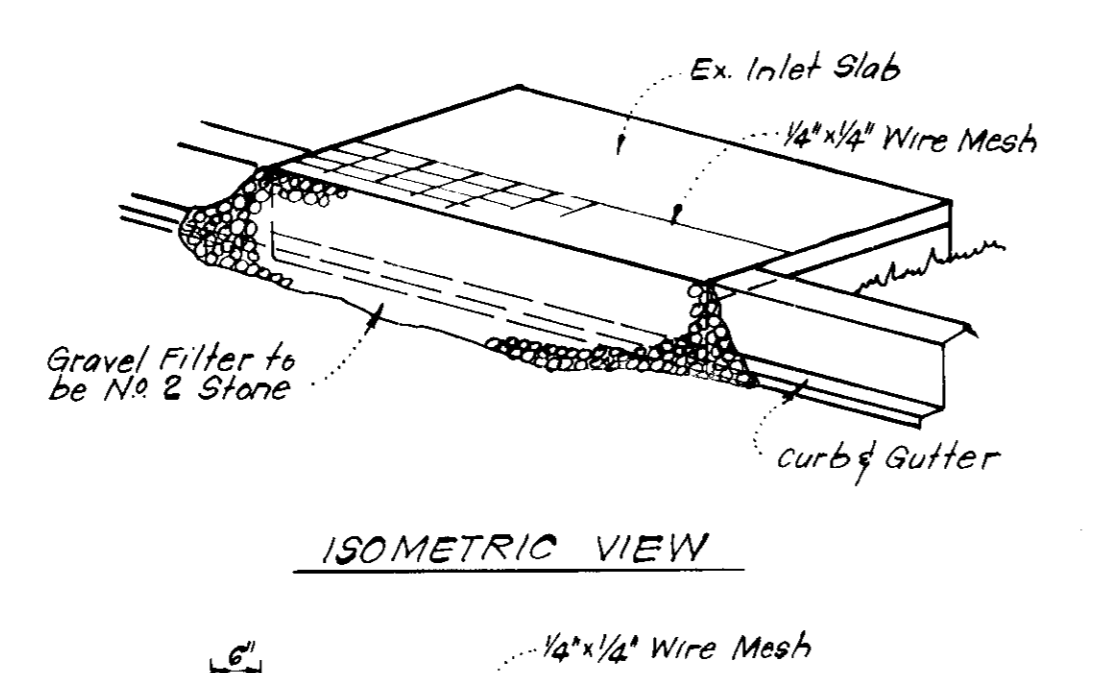
STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)
No Scale



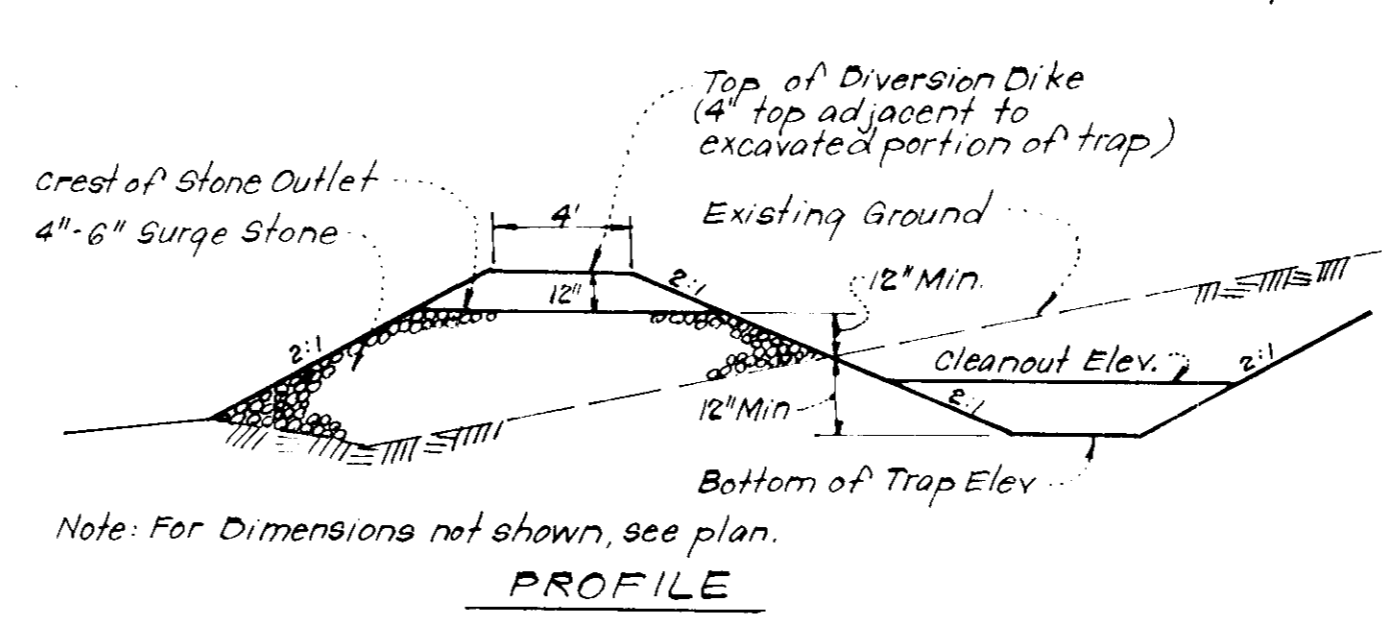
TYPICAL PERIMETER DIKE DETAIL (PD)
No Scale



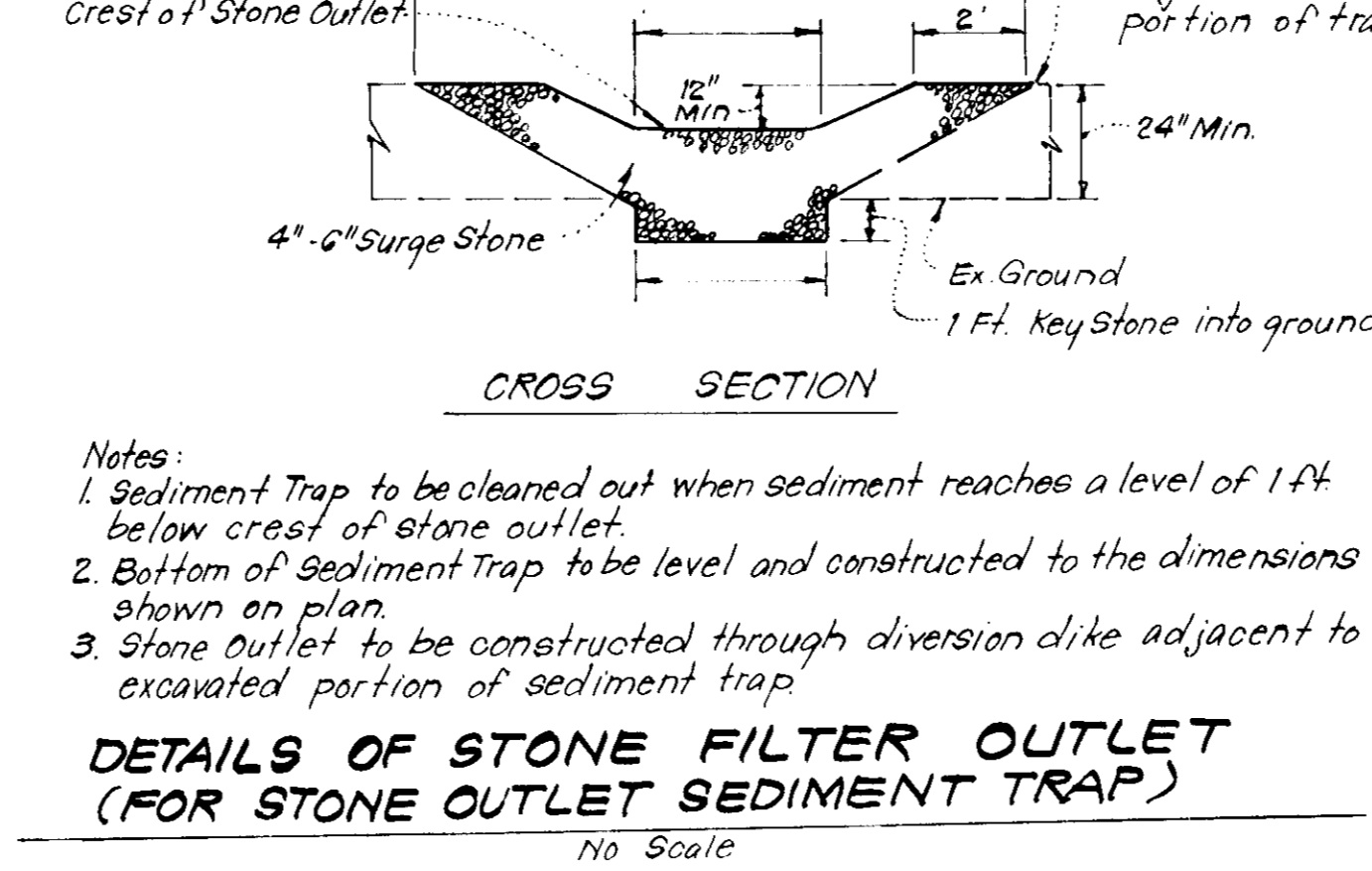
TYPICAL DIVERSION DIKE DETAIL (D.D.)
No Scale



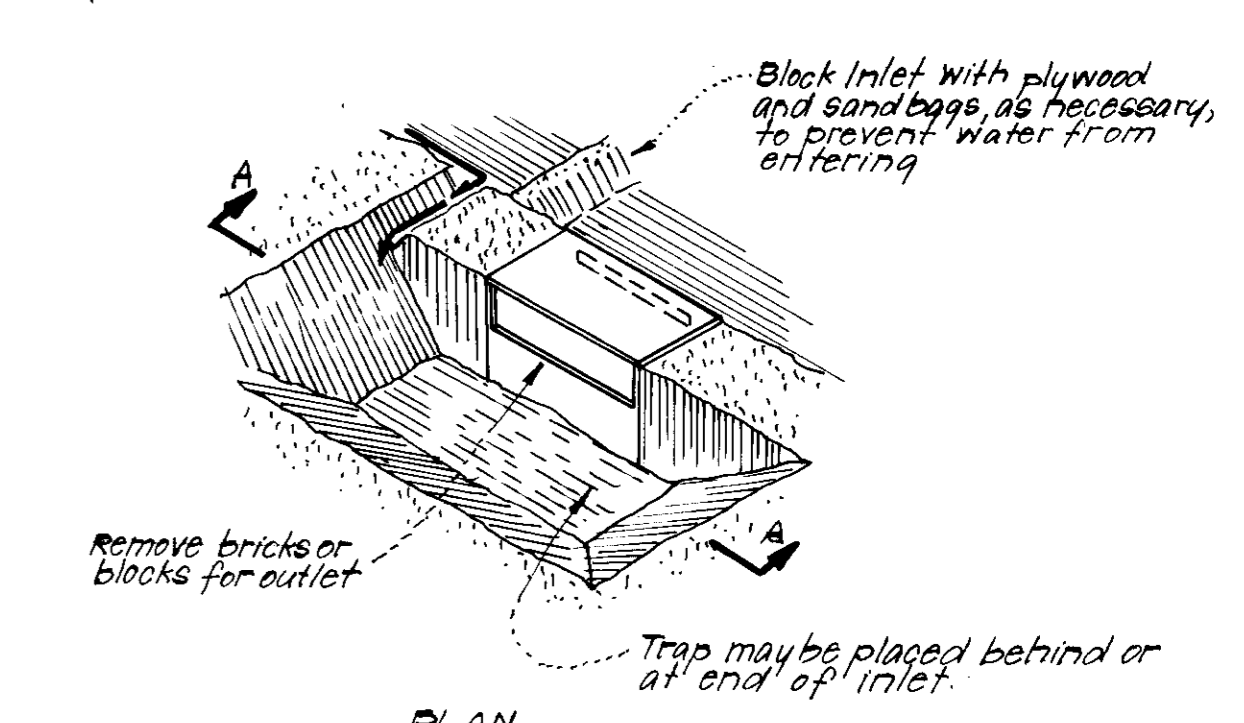
STONE FILTER INLET PROTECTION (S.F.I.P.)
No Scale



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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN



STORM INLET SEDIMENT TRAP (S.I.S.T., ST-4) (Pg. 20.08)
No Scale
Note: Revision to Approved S.D.P. 80-13c

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

County Health Officer: *[Signature]* DATE: 10-3-79

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR: *[Signature]* DATE: 10-3-79

CHIEF DIVISION OF LAND DEVELOPMENT

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

DIRECTOR: *[Signature]* DATE: 11-1-79

CHIEF BUREAU OF ENGINEERING

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

Signature: *[Signature]* Date: *[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.

Signature: *[Signature]* Date: 4-25-79
L.B. Sargent

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.

Signature: *[Signature]* Date: 4-23-79
G. Nelson Clark

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 8-29-79



CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED: D.A.B. SCALE: As Shown
DRAWN: K.I.W. DRAWING: 3013
CHECKED: D.A.B. JOB NO.:
DATE: Apr, 1979 FOR: The Ryland Group (Col Div.)
Suite 200 V.O.M. Office Bldg.
Columbia, Maryland 21044 FILE NO.: 78-0085E

S.D.P. 80-13c